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Cover Page

Order ID : P4460

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
P4460-02	WB-303-TOP
P4460-03	WB-303-BOT
P4460-04	WB-303-BOT
P4460-05	TB-10182024
P4460-06	WB-303-SW

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: 10/29/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, Trivalent Chromium, VOC-TCLVOA-10 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 df The samples were analyzed on instrument BNA_M 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 3510.

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 {P4460-03MS} with File ID: BF140006.D recoveries met the requirements for all compounds except for 4,6-Dinitro-2-methylphenol[148%], 4-Chloroaniline[34%] and Hexachlorocyclopentadiene[164%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {P4460-03MSD} with File ID: BF140007.D recoveries met the acceptable requirements except for 4,6-Dinitro-2-methylphenol[157%], 4-Chloroaniline[36%], Di-n-octyl phthalate[138%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[179%], Atrazine[133%], Dibenz(a,h)anthracene[138%], Indeno(1,2,3-cd)pyrene[138%], these compounds did not

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meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.

The RPD for {P4460-03MSD} with File ID: BF140007.D met criteria except for Benzo(g,h,i)perylene[38%], Dibenz(a,h)anthracene[37%] and Indeno(1,2,3-cd)pyrene [37%], these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference, no corrective action is required.

The Blank Spike for {PB164286BS} with File ID: BF139963.D met requirements for all samples except for 4-Chloroaniline[65%], Hexachlorocyclopentadiene[161%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike for {PB164369BS} with File ID: BM048237.D met requirements for all samples except for 3-Nitroaniline[60%], 4-Chloroaniline[40%], these compounds did not meet the NJDKQP criteria but met the in-house criteria. While Hexachlorocyclopentadiene [210%], this compound did not meet the NJDKQP criteria and in-house criteria, but associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB164369BSD} with File ID: BM048233.D met requirements for all samples except for 3,3-Dichlorobenzidine[69%], 3-Nitroaniline [58%], 4-Chloroaniline[41%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[210%], this compound did not meet the NJDKQP criteria and in-house criteria, but associate samples have no positive hit for these compounds therefore no corrective action was taken .

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF101824.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression

The Continuous Calibration File ID BF139952.D met the requirements except for 2,4-Dinitrophenol 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 BF140001.D met the requirements except for 2,4-Dinitrophenol 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 BF140050.D met the requirements except for 2,4-Dinitrophenol 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.

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E. Additional Comments:
The Sample WB-303-TOP, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.
Sample # WB-303-SW, was received with limited volume.
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_____

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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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4460**

	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	✓

QA Review Signature: **MAYUR DESAI** **Date:** **10/29/2024**

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/21/24	10/26/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/21/24	10/26/24	
P4460-06	**WB-303-SW**	**Water**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/23/24	10/25/24	

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Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WB-303-TOP**								
P4460-02	WB-303-TOP	SOIL	Fluoranthene		210.000	J	160	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Pyrene		290.000	J	160	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzo(a)anthracene		190.000	J	160	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Chrysene		160.000	J	150	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzo(a)pyrene		180.000	J	180	330	ug/Kg
			Total Svoc :		**1,030.00**				
P4460-02	WB-303-TOP	SOIL	Hop-22(29)-en-3.beta.-ol	*	330.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	n-Hexadecanoic acid	*	380.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	.alpha.-Amyrone	*	760.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	1-Pentadecanethiol	*	140.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	2H-Cyclopropa[a]naphthalen-2-or	*	140.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	unknown12.021	*	270.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	unknown17.286	*	180.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Butane, 2-methoxy-2-methyl-	*	4,000.000	JB	0	0	ug/Kg
			Total Tics :		**6,770.00**				
			Total Concentration:		**7,800.00**				
Client ID :	**WB-303-BOT**								
P4460-03	WB-303-BOT	SOIL	Naphthalene		210.000		100	210	ug/Kg
			Total Svoc :		**210.00**				
P4460-03	WB-303-BOT	SOIL	Nonadecane	*	1,000.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Nonane, 2,6-dimethyl-	*	920.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Pentadecane, 2,6,10-trimethyl-	*	350.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Tetradecane, 3-methyl-	*	330.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Tetratetracontane	*	470.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Tridecane	*	1,200.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Undecane	*	440.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Undecane, 2,6-dimethyl-	*	370.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	1-Docosene	*	530.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	3-Ethyl-2,6,10-trimethylundecane	*	1,900.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Benzene, 2-ethenyl-1,4-dimethyl-	*	360.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Butane, 2-methoxy-2-methyl-	*	3,800.000	JB	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Decane, 3,8-dimethyl-	*	590.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Decane, 5-ethyl-5-methyl-	*	680.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Dodecane, 2,6,11-trimethyl-	*	490.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4460-03	WB-303-BOT	SOIL	Heptacosane	*	710.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Heptadecane	*	2,700.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Hexadecane	*	3,900.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Hexadecane, 7-methyl-	*	500.000	J	0	0	ug/Kg
			Total Tics :		**21,550.00**				
			Total Concentration:		**21,760.00**				
Client ID :	**WB-303-SW**								
P4460-06	WB-303-SW	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.500	A	0	0	ug/L
P4460-06	WB-303-SW	WATER	Benzophenone	*	3.400	J	0	0	ug/L
			Total Tics :		**6.90**				
			Total Concentration:		**6.90**				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4460-02	WB-303-TOP	2-Fluorophenol	150	84.0	56		30 (18)	130 (112)
		Phenol-d6	150	82.9	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.6	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	55.1	55		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	82.2	55		30 (10)	130 (116)
		Terphenyl-d14	100	54.1	54		30 (10)	130 (105)
P4460-03	WB-303-BOT	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	101	101		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.6	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	143	95		30 (10)	130 (116)
		Terphenyl-d14	100	101	101		30 (10)	130 (105)
P4460-03MS	WB-303-BOTMS	2-Fluorophenol	150	119	79		30 (18)	130 (112)
		Phenol-d6	150	119	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	92.8	93		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.6	91		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	140	94		30 (10)	130 (116)
		Terphenyl-d14	100	77.7	78		30 (10)	130 (105)
P4460-03MSD	WB-303-BOTMSD	2-Fluorophenol	150	113	75		30 (18)	130 (112)
		Phenol-d6	150	140	93		30 (15)	130 (107)
		Nitrobenzene-d5	100	101	101		30 (18)	130 (107)
		2-Fluorobiphenyl	100	98.3	98		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	149	100		30 (10)	130 (116)
		Terphenyl-d14	100	81.9	82		30 (10)	130 (105)
PB164286BL	PB164286BL	2-Fluorophenol	150	134	90		30 (18)	130 (112)
		Phenol-d6	150	131	87		30 (15)	130 (107)
		Nitrobenzene-d5	100	99.4	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	94.7	95		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	156	104		30 (10)	130 (116)
		Terphenyl-d14	100	98.4	98		30 (10)	130 (105)
PB164286BS	PB164286BS	2-Fluorophenol	150	123	82		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.8	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.5	87		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	147	98		30 (10)	130 (116)
		Terphenyl-d14	100	95.7	96		30 (10)	130 (105)

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Surrogate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4460-06	WB-303-SW	2-Fluorophenol	75	42.1	56		15 (10)	110 (139)
		Phenol-d6	75	36.5	49		15 (10)	110 (134)
		Nitrobenzene-d5	50	42.7	85		30 (49)	130 (133)
		2-Fluorobiphenyl	50	40.3	81		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	67.4	90		15 (44)	110 (137)
		Terphenyl-d14	50	45.8	92		30 (48)	130 (125)
PB164369BL	PB164369BL	2-Fluorophenol	150	151	101		15 (10)	110 (139)
		Phenol-d6	150	138	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	92.1	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.8	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	88		15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
PB164369BS	PB164369BS	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	131	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.5	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.0	99		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	103	103		30 (48)	130 (125)
PB164369BSD	PB164369BSD	2-Fluorophenol	150	146	97		15 (10)	110 (139)
		Phenol-d6	150	135	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.5	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	110	110		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4460-03MS		**Client Sample ID: WB-303-BOTMS**						**DataFile: BF140006.D**			
Benzaldehyde	2100	0	600	ug/Kg	29				20 (10)	160 (86)	
Phenol	2100	0	1900	ug/Kg	90				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2100	0	1900	ug/Kg	90				70 (54)	130 (125)	
2-Chlorophenol	2100	0	2000	ug/Kg	95				70 (79)	130 (107)	
2-Methylphenol	2100	0	1900	ug/Kg	90				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2100	0	1800	ug/Kg	86				70 (65)	130 (110)	
Acetophenone	2100	0	2000	ug/Kg	95				70 (75)	130 (111)	
3+4-Methylphenols	2100	0	1900	ug/Kg	90				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2100	0	1900	ug/Kg	90				70 (59)	130 (119)	
Hexachloroethane	2100	0	2100	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	2100	0	1900	ug/Kg	90				70 (70)	130 (119)	
Isophorone	2100	0	2000	ug/Kg	95				70 (76)	130 (122)	
2-Nitrophenol	2100	0	2400	ug/Kg	114				70 (54)	130 (145)	
2,4-Dimethylphenol	2100	0	2200	ug/Kg	105				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2100	0	1900	ug/Kg	90				70 (68)	130 (112)	
2,4-Dichlorophenol	2100	0	2000	ug/Kg	95				70 (72)	130 (118)	
Naphthalene	2100	210	2100	ug/Kg	90				70 (72)	130 (110)	
4-Chloroaniline	2100	0	720	ug/Kg	34	*			70 (10)	130 (91)	
Hexachlorobutadiene	2100	0	2000	ug/Kg	95				70 (66)	130 (114)	
Caprolactam	2100	0	2700	ug/Kg	129				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2100	0	1900	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2100	0	2000	ug/Kg	95				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4200	0	6900	ug/Kg	164	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	2100	0	2100	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2100	0	2000	ug/Kg	95				70 (72)	130 (117)	
1,1-Biphenyl	2100	0	2000	ug/Kg	95				70 (75)	130 (113)	
2-Chloronaphthalene	2100	0	1900	ug/Kg	90				70 (67)	130 (118)	
2-Nitroaniline	2100	0	2200	ug/Kg	105				70 (69)	130 (127)	
Dimethylphthalate	2100	0	2000	ug/Kg	95				70 (70)	130 (113)	
Acenaphthylene	2100	0	2100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	2100	0	2100	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	2100	0	1500	ug/Kg	71				70 (30)	130 (99)	
Acenaphthene	2100	0	2300	ug/Kg	110				70 (70)	130 (121)	
2,4-Dinitrophenol	4200	0	5200	ug/Kg	124				20 (10)	160 (155)	
4-Nitrophenol	4200	0	4100	ug/Kg	98				20 (45)	160 (133)	
Dibenzofuran	2100	0	2000	ug/Kg	95				70 (72)	130 (110)	
2,4-Dinitrotoluene	2100	0	2300	ug/Kg	110				70 (55)	130 (128)	
Diethylphthalate	2100	0	2000	ug/Kg	95				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2100	0	2000	ug/Kg	95				70 (71)	130 (108)	
Fluorene	2100	0	2000	ug/Kg	95				70 (68)	130 (116)	
4-Nitroaniline	2100	0	2000	ug/Kg	95				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2100	0	3100	ug/Kg	148	*			70 (10)	130 (160)	
N-Nitrosodiphenylamine	2100	0	2200	ug/Kg	105				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2100	0	2200	ug/Kg	105				70 (65)	130 (121)	
Hexachlorobenzene	2100	0	2100	ug/Kg	100				70 (67)	130 (118)	
Atrazine	2100	0	2600	ug/Kg	124				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4200	0	4100	ug/Kg	98				20 (47)	160 (128)	
Phenanthrene	2100	0	2000	ug/Kg	95				70 (52)	130 (128)	
Anthracene	2100	0	2100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	2100	0	1900	ug/Kg	90				70 (59)	130 (119)	
Di-n-butylphthalate	2100	0	2100	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	2100	0	1700	ug/Kg	81				70 (44)	130 (125)	
Pyrene	2100	0	1700	ug/Kg	81				70 (26)	130 (142)	
Butylbenzylphthalate	2100	0	2100	ug/Kg	100				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2100	0	1600	ug/Kg	76				70 (33)	130 (116)	
Benzo(a)anthracene	2100	0	2100	ug/Kg	100				70 (71)	130 (114)	
Chrysene	2100	0	2000	ug/Kg	95				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2100	0	2500	ug/Kg	119				70 (42)	130 (169)	
Di-n-octyl phthalate	2100	0	2600	ug/Kg	124				70 (23)	130 (175)	
Benzo(b)fluoranthene	2100	0	2000	ug/Kg	95				70 (67)	130 (121)	
Benzo(k)fluoranthene	2100	0	1800	ug/Kg	86				70 (57)	130 (134)	
Benzo(a)pyrene	2100	0	2200	ug/Kg	105				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2100	0	2000	ug/Kg	95				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2100	0	2000	ug/Kg	95				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2100	0	2000	ug/Kg	95				70 (69)	130 (124)	
1,4-Dioxane	2100	0	1700	ug/Kg	81				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2100	0	2100	ug/Kg	100				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4460-03MSD		**Client Sample ID: WB-303-BOTMSD**						**DataFile: BF140007.D**			
Benzaldehyde	2100	0	720	ug/Kg	34		16		20 (10)	160 (86)	30 (20)
Phenol	2100	0	2300	ug/Kg	110		20		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2100	0	2300	ug/Kg	110		20		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2100	0	2400	ug/Kg	114		18		70 (79)	130 (107)	30 (20)
2-Methylphenol	2100	0	1700	ug/Kg	81		11		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2100	0	1600	ug/Kg	76		12		70 (65)	130 (110)	30 (20)
Acetophenone	2100	0	2200	ug/Kg	105		10		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2100	0	1600	ug/Kg	76		17		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2100	0	1600	ug/Kg	76		17		70 (59)	130 (119)	30 (20)
Hexachloroethane	2100	0	2000	ug/Kg	95		5		20 (65)	160 (117)	30 (20)
Nitrobenzene	2100	0	2100	ug/Kg	100		11		70 (70)	130 (119)	30 (20)
Isophorone	2100	0	2200	ug/Kg	105		10		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2100	0	2600	ug/Kg	124		8		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2100	0	2400	ug/Kg	114		8		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2100	0	2000	ug/Kg	95		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2100	0	2200	ug/Kg	105		10		70 (72)	130 (118)	30 (20)
Naphthalene	2100	210	2200	ug/Kg	95		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2100	0	760	ug/Kg	36	*	6		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2100	0	2200	ug/Kg	105		10		70 (66)	130 (114)	30 (20)
Caprolactam	2100	0	2800	ug/Kg	133		3		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2100	0	2100	ug/Kg	100		11		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2100	0	2100	ug/Kg	100		5		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4200	0	7500	ug/Kg	179	*	9		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2100	0	2200	ug/Kg	105		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2100	0	2100	ug/Kg	100		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2100	0	2100	ug/Kg	100		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2100	0	2100	ug/Kg	100		11		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2100	0	2400	ug/Kg	114		8		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2100	0	2100	ug/Kg	100		5		70 (70)	130 (113)	30 (20)
Acenaphthylene	2100	0	2300	ug/Kg	110		10		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2100	0	2200	ug/Kg	105		5		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2100	0	1500	ug/Kg	71		0		70 (30)	130 (99)	30 (20)
Acenaphthene	2100	0	2400	ug/Kg	114		4		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4200	0	5500	ug/Kg	131		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4200	0	4400	ug/Kg	105		7		20 (45)	160 (133)	30 (20)
Dibenzofuran	2100	0	2200	ug/Kg	105		10		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2100	0	2400	ug/Kg	114		4		70 (55)	130 (128)	30 (20)
Diethylphthalate	2100	0	2200	ug/Kg	105		10		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2100	0	2200	ug/Kg	105		10		70 (71)	130 (108)	30 (20)
Fluorene	2100	0	2100	ug/Kg	100		5		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2100	0	2100	ug/Kg	100		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2100	0	3300	ug/Kg	157	*	6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2100	0	2300	ug/Kg	110		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2100	0	2300	ug/Kg	110		5		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2100	0	2300	ug/Kg	110		10		70 (67)	130 (118)	30 (20)
Atrazine	2100	0	2800	ug/Kg	133	*	7		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	4200	0	4400	ug/Kg	105		7		20 (47)	160 (128)	30 (20)
Phenanthrene	2100	0	2200	ug/Kg	105		10		70 (52)	130 (128)	30 (20)
Anthracene	2100	0	2300	ug/Kg	110		10		70 (62)	130 (124)	30 (20)
Carbazole	2100	0	2100	ug/Kg	100		11		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2100	0	2300	ug/Kg	110		10		70 (69)	130 (118)	30 (20)
Fluoranthene	2100	0	1900	ug/Kg	90		11		70 (44)	130 (125)	30 (20)
Pyrene	2100	0	1800	ug/Kg	86		6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2100	0	2300	ug/Kg	110		10		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2100	0	1700	ug/Kg	81		6		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2100	0	2200	ug/Kg	105		5		70 (71)	130 (114)	30 (20)
Chrysene	2100	0	2100	ug/Kg	100		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2100	0	2700	ug/Kg	129		8		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2100	0	2900	ug/Kg	138	*	11		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2100	0	2100	ug/Kg	100		5		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2100	0	1900	ug/Kg	90		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2100	0	2300	ug/Kg	110		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2100	0	2900	ug/Kg	138	*	37	*	70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2100	0	2900	ug/Kg	138	*	37	*	70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2100	0	2500	ug/Kg	119		38	*	70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2100	0	2200	ug/Kg	105		10		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2100	0	1600	ug/Kg	76		6		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2100	0	2300	ug/Kg	110		10		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF139963.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164286BS	Benzaldehyde	1700	450	ug/Kg	26				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1700	ug/Kg	100				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	1100	ug/Kg	65		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5300	ug/Kg	161		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1400	ug/Kg	82				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF139963.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164286BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3000	ug/Kg	91				20 (67)	160 (105)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048233.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BSD	Benzaldehyde	50	14.2	ug/L	28	4			20 (10)	160 (162)	20 (20)
	Phenol	50	49.6	ug/L	99	4			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	48.8	ug/L	98	1			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	50.0	ug/L	100	3			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	48.8	ug/L	98	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	49.4	ug/L	99	0			70 (65)	130 (100)	20 (20)
	Acetophenone	50	47.9	ug/L	96	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.4	ug/L	95	5			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	44.8	ug/L	90	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	46.1	ug/L	92	2			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	46.8	ug/L	94	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.3	ug/L	95	1			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	50.6	ug/L	101	3			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	60.9	ug/L	122	2			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	48.6	ug/L	97	1			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	50.0	ug/L	100	2			70 (66)	130 (115)	20 (20)
	Naphthalene	50	46.7	ug/L	93	1			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	20.7	ug/L	41	4	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	46.5	ug/L	93	2			70 (69)	130 (101)	20 (20)
	Caprolactam	50	41.5	ug/L	83	5			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	45.9	ug/L	92	4			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	46.5	ug/L	93	1			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	210	ug/L	210	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	51.8	ug/L	104	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	49.7	ug/L	99	1			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	49.3	ug/L	99	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	48.5	ug/L	97	2			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	50.2	ug/L	100	1			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	47.4	ug/L	95	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	51.7	ug/L	103	1			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.0	ug/L	92	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	29.2	ug/L	58	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	48.8	ug/L	98	2			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	96.2	ug/L	96	3			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	96.1	ug/L	96	1			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	47.5	ug/L	95	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	46.6	ug/L	93	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	46.1	ug/L	92	2			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	46.7	ug/L	93	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	45.8	ug/L	92	3			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	45.4	ug/L	91	1			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	52.3	ug/L	105	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	52.9	ug/L	106	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	50.7	ug/L	101	1			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048233.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BSD	Hexachlorobenzene	50	49.4	ug/L	99	0			70 (73)	130 (106)	20 (20)
	Atrazine	50	64.2	ug/L	128	1			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	97.2	ug/L	97	1			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	50.2	ug/L	100	1			70 (62)	130 (109)	20 (20)
	Anthracene	50	52.6	ug/L	105	2			70 (65)	130 (110)	20 (20)
	Carbazole	50	47.5	ug/L	95	3			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	48.6	ug/L	97	1			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.3	ug/L	89	5			70 (64)	130 (110)	20 (20)
	Pyrene	50	54.5	ug/L	109	8			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	52.8	ug/L	106	6			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	34.7	ug/L	69	7	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	50.9	ug/L	102	1			70 (62)	130 (107)	20 (20)
	Chrysene	50	50.1	ug/L	100	0			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	51.9	ug/L	104	3			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	49.5	ug/L	99	0			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	51.5	ug/L	103	4			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	52.7	ug/L	105	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	55.5	ug/L	111	1			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	54.1	ug/L	108	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	53.6	ug/L	107	3			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	48.9	ug/L	98	3			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	50.6	ug/L	101	3			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	40.0	ug/L	80	8			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97	0			70 (63)	130 (116)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BS	Benzaldehyde	50	13.7	ug/L	27				20 (10)	160 (162)	
	Phenol	50	47.8	ug/L	96				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	48.2	ug/L	96				70 (62)	130 (103)	
	2-Chlorophenol	50	48.4	ug/L	97				70 (70)	130 (117)	
	2-Methylphenol	50	46.5	ug/L	93				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	49.2	ug/L	98				70 (65)	130 (100)	
	Acetophenone	50	48.5	ug/L	97				70 (60)	130 (104)	
	3+4-Methylphenols	50	45.0	ug/L	90				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	43.9	ug/L	88				70 (57)	130 (107)	
	Hexachloroethane	50	46.9	ug/L	94				20 (76)	160 (118)	
	Nitrobenzene	50	47.7	ug/L	95				70 (58)	130 (106)	
	Isophorone	50	47.0	ug/L	94				70 (61)	130 (102)	
	2-Nitrophenol	50	49.3	ug/L	99				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	59.6	ug/L	119				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	48.0	ug/L	96				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	48.9	ug/L	98				70 (66)	130 (115)	
	Naphthalene	50	47.0	ug/L	94				70 (64)	130 (107)	
	4-Chloroaniline	50	19.8	ug/L	40		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	47.6	ug/L	95				70 (69)	130 (101)	
	Caprolactam	50	39.4	ug/L	79				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.2	ug/L	88				70 (65)	130 (114)	
	2-Methylnaphthalene	50	46.0	ug/L	92				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	210	ug/L	210		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	51.3	ug/L	103				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	49.0	ug/L	98				70 (70)	130 (106)	
	1,1-Biphenyl	50	50.5	ug/L	101				70 (72)	130 (98)	
	2-Chloronaphthalene	50	49.5	ug/L	99				70 (59)	130 (106)	
	2-Nitroaniline	50	49.8	ug/L	100				70 (73)	130 (114)	
	Dimethylphthalate	50	47.2	ug/L	94				70 (64)	130 (103)	
	Acenaphthylene	50	52.3	ug/L	105				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	45.4	ug/L	91				70 (64)	130 (110)	
	3-Nitroaniline	50	29.9	ug/L	60		*		70 (28)	130 (100)	
	Acenaphthene	50	49.6	ug/L	99				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	93.4	ug/L	93				20 (36)	160 (166)	
	4-Nitrophenol	100	94.8	ug/L	95				20 (45)	160 (147)	
	Dibenzofuran	50	48.6	ug/L	97				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	45.7	ug/L	91				70 (60)	130 (115)	
	Diethylphthalate	50	45.3	ug/L	91				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	47.1	ug/L	94				70 (61)	130 (104)	
	Fluorene	50	47.0	ug/L	94				70 (64)	130 (107)	
	4-Nitroaniline	50	44.9	ug/L	90				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	50.1	ug/L	100				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	53.1	ug/L	106				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	51.4	ug/L	103				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BS	Hexachlorobenzene	50	49.6	ug/L	99				70 (73)	130 (106)	
	Atrazine	50	63.7	ug/L	127				70 (76)	130 (120)	
	Pentachlorophenol	100	97.9	ug/L	98				20 (47)	160 (114)	
	Phenanthrene	50	50.8	ug/L	102				70 (62)	130 (109)	
	Anthracene	50	53.8	ug/L	108				70 (65)	130 (110)	
	Carbazole	50	48.9	ug/L	98				70 (62)	130 (106)	
	Di-n-butylphthalate	50	48.2	ug/L	96				70 (64)	130 (106)	
	Fluoranthene	50	46.4	ug/L	93				70 (64)	130 (110)	
	Pyrene	50	50.4	ug/L	101				70 (71)	130 (103)	
	Butylbenzylphthalate	50	49.5	ug/L	99				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	37.3	ug/L	75				70 (43)	130 (108)	
	Benzo(a)anthracene	50	50.3	ug/L	101				70 (62)	130 (107)	
	Chrysene	50	50.0	ug/L	100				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	50.4	ug/L	101				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	49.5	ug/L	99				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	49.4	ug/L	99				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	51.8	ug/L	104				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.0	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	55.7	ug/L	111				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	55.4	ug/L	111				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	50.5	ug/L	101				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	52.0	ug/L	104				70 (72)	130 (101)	
	1,4-Dioxane	50	43.3	ug/L	87				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97				70 (63)	130 (116)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164286BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139962.D Lab Sample ID: PB164286BL

Instrument ID: BNA_F Date Extracted: 10/21/2024

Matrix: (soil/water) SOIL Date Analyzed: 10/23/2024

Level: (low/med) LOW Time Analyzed: 14:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164286BS	PB164286BS	BF139963.D	10/23/2024
WB-303-BOTMS	P4460-03MS	BF140006.D	10/24/2024
WB-303-BOTMSD	P4460-03MSD	BF140007.D	10/24/2024
WB-303-BOT	P4460-03	BF140063.D	10/26/2024
WB-303-TOP	P4460-02	BF140068.D	10/26/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164369BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048212.D Lab Sample ID: PB164369BL

Instrument ID: BNA_M Date Extracted: 10/23/2024

Matrix: (soil/water) Water Date Analyzed: 10/24/2024

Level: (low/med) LOW Time Analyzed: 11:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164369BSD	PB164369BSD	BM048233.D	10/25/2024
PB164369BS	PB164369BS	BM048237.D	10/25/2024
WB-303-SW	P4460-06	BM048238.D	10/25/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
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	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (19.2) 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	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139951.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:52

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	0.6 (1.8) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	38.1
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	5.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.5
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
SSTDCCC040	SSTDCCC040	BF139952.D	10/23/2024	09:20
PB164286BL	PB164286BL	BF139962.D	10/23/2024	14:04
PB164286BS	PB164286BS	BF139963.D	10/23/2024	14:33

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF140000.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
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	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (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
SSTDCCC040	SSTDCCC040	BF140001.D	10/24/2024	15:16
WB-303-BOTMS	P4460-03MS	BF140006.D	10/24/2024	17:45
WB-303-BOTMSD	P4460-03MSD	BF140007.D	10/24/2024	18:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF140049.D DFTPP Injection Date: 10/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	47.5
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	6.5
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 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
SSTDCCC040	SSTDCCC040	BF140050.D	10/26/2024	10:38
WB-303-BOT	P4460-03	BF140063.D	10/26/2024	16:48
WB-303-TOP	P4460-02	BF140068.D	10/26/2024	19:09

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048199.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_M DFTPP Injection Time: 11:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.4
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	6.8
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.8 (19.6) 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	BM048200.D	10/23/2024	12:26
SSTDICC005	SSTDICC005	BM048201.D	10/23/2024	13:05
SSTDICC010	SSTDICC010	BM048202.D	10/23/2024	13:45
SSTDICC020	SSTDICC020	BM048203.D	10/23/2024	14:24
SSTDICCC040	SSTDICCC040	BM048204.D	10/23/2024	15:04
SSTDICC050	SSTDICC050	BM048205.D	10/23/2024	15:43
SSTDICC060	SSTDICC060	BM048206.D	10/23/2024	16:23
SSTDICC080	SSTDICC080	BM048207.D	10/23/2024	17:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048210.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_M DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.5
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	6.7
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.2) 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	BM048211.D	10/24/2024	11:11
PB164369BL	PB164369BL	BM048212.D	10/24/2024	11:50

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048227.D DFTPP Injection Date: 10/25/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	34.9
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	6.9
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.3 (19.2) 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	BM048228.D	10/25/2024	08:49
PB164369BSD	PB164369BSD	BM048233.D	10/25/2024	12:58
PB164369BS	PB164369BS	BM048237.D	10/25/2024	15:42
WB-303-SW	P4460-06	BM048238.D	10/25/2024	16:21

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139952.D Time Analyzed: 09:20

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	156634	6.893	590130	8.18	329153	9.93
	UPPER LIMIT	313268	7.393	1180260	8.675	658306	10.428
	LOWER LIMIT	78317	6.393	295065	7.675	164577	9.428
	EPA SAMPLE NO.						
01	PB164286BL	146341	6.89	564292	8.17	320476	9.93
02	PB164286BS	158593	6.89	620873	8.18	350222	9.93

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139952.D Time Analyzed: 09:20

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	576587	11.416	299183	14.057	329130	15.533
	UPPER LIMIT	1153170	11.916	598366	14.557	658260	16.033
	LOWER LIMIT	288294	10.916	149592	13.557	164565	15.033
	EPA SAMPLE NO.						
01	PB164286BL	596529	11.41	356991	14.05	312503	15.53
02	PB164286BS	635882	11.42	319612	14.06	347575	15.53

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	162461	6.892	593909	8.18	325446	9.93
	UPPER LIMIT	324922	7.392	1187820	8.675	650892	10.428
	LOWER LIMIT	81230.5	6.392	296955	7.675	162723	9.428
	EPA SAMPLE NO.						
01	WB-303-BOTMS	132812	6.89	485291	8.18	253613	9.93
02	WB-303-BOTMSD	114465	6.89	337350	8.18	176753	9.93

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	551060	11.416	264546	14.051	308388	15.533
	UPPER LIMIT	1102120	11.916	529092	14.551	616776	16.033
	LOWER LIMIT	275530	10.916	132273	13.551	154194	15.033
	EPA SAMPLE NO.						
01	WB-303-BOTMS	408327	11.42	231840	14.05	316800	15.53
02	WB-303-BOTMSD	285247	11.42	164779	14.05	222740	15.53

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

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	128827	6.892	465620	8.18	252523	9.93
	UPPER LIMIT	257654	7.392	931240	8.675	505046	10.428
	LOWER LIMIT	64413.5	6.392	232810	7.675	126262	9.428
	EPA SAMPLE NO.						
01	WB-303-TOP	142022	6.89	554829	8.17	315069	9.92
02	WB-303-BOT	129197	6.89	476862	8.17	260201	9.93

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

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	452033	11.416	241717	14.051	235878	15.533
	UPPER LIMIT	904066	11.916	483434	14.551	471756	16.033
	LOWER LIMIT	226017	10.916	120859	13.551	117939	15.033
	EPA SAMPLE NO.						
01	WB-303-TOP	502958	11.41	252281	14.05	282696	15.53
02	WB-303-BOT	444743	11.41	217594	14.05	237376	15.53

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BM048211.D Time Analyzed: 11:11

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	180168	7.722	716977	10.51	442164	14.37
	UPPER LIMIT	360336	8.222	1433950	11.01	884328	14.868
	LOWER LIMIT	90084	7.222	358489	10.01	221082	13.868
	EPA SAMPLE NO.						
01	PB164369BL	201808	7.72	755271	10.51	451085	14.37

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BM048211.D Time Analyzed: 11:11

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	865184	17.109	785707	21.339	904102	24.285
	UPPER LIMIT	1730370	17.609	1571410	21.839	1808200	24.785
	LOWER LIMIT	432592	16.609	392854	20.839	452051	23.785
	EPA SAMPLE NO.						
01	PB164369BL	855662	17.11	674681	21.33	711330	24.29

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/25/2024

Lab File ID: BM048228.D Time Analyzed: 08:49

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	198668	7.716	777876	10.51	472094	14.36
	UPPER LIMIT	397336	8.216	1555750	11.01	944188	14.863
	LOWER LIMIT	99334	7.216	388938	10.01	236047	13.863
	EPA SAMPLE NO.						
01	WB-303-SW	214014	7.72	870137	10.51	580161	14.36
02	PB164369BSD	239298	7.72	913341	10.50	513456	14.36
03	PB164369BS	198559	7.72	731104	10.51	398895	14.36

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/25/2024

Lab File ID: BM048228.D Time Analyzed: 08:49

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	925065	17.104	823670	21.333	921417	24.28
	UPPER LIMIT	1850130	17.604	1647340	21.833	1842830	24.78
	LOWER LIMIT	462533	16.604	411835	20.833	460709	23.78
	EPA SAMPLE NO.						
01	WB-303-SW	1247450	17.10	1150080	21.33	1229810	24.28
02	PB164369BSD	916015	17.10	699111	21.33	737917	24.28
03	PB164369BS	712540	17.10	616038	21.33	708876	24.28

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.



SAMPLE DATA

Raw Data: **BF140068.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	350	640	ug/Kg
108-95-2	Phenol	160	U	160	330	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	160	330	ug/Kg
95-57-8	2-Chlorophenol	160	U	160	330	ug/Kg
95-48-7	2-Methylphenol	160	U	160	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	330	ug/Kg
98-86-2	Acetophenone	170	U	170	330	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	640	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	78.2	U	78.2	160	ug/Kg
67-72-1	Hexachloroethane	160	U	160	330	ug/Kg
98-95-3	Nitrobenzene	180	U	180	330	ug/Kg
78-59-1	Isophorone	160	U	160	330	ug/Kg
88-75-5	2-Nitrophenol	180	U	180	330	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	180	330	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	330	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	330	ug/Kg
91-20-3	Naphthalene	160	U	160	330	ug/Kg
106-47-8	4-Chloroaniline	160	UQ	160	330	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	160	330	ug/Kg
105-60-2	Caprolactam	170	U	170	640	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	330	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	160	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	UQ	300	640	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	330	ug/Kg
92-52-4	1,1-Biphenyl	170	U	170	330	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	160	330	ug/Kg
88-74-4	2-Nitroaniline	180	U	180	330	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	330	ug/Kg

Raw Data: **BF140068.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	170	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	160	330	ug/Kg
99-09-2	3-Nitroaniline	170	U	170	330	ug/Kg
83-32-9	Acenaphthene	160	U	160	330	ug/Kg
51-28-5	2,4-Dinitrophenol	470	U	470	640	ug/Kg
100-02-7	4-Nitrophenol	230	U	230	640	ug/Kg
132-64-9	Dibenzofuran	160	U	160	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	330	ug/Kg
84-66-2	Diethylphthalate	160	U	160	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	330	ug/Kg
86-73-7	Fluorene	170	U	170	330	ug/Kg
100-01-6	4-Nitroaniline	210	U	210	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	640	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	160	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	330	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	330	ug/Kg
1912-24-9	Atrazine	180	U	180	330	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	640	ug/Kg
85-01-8	Phenanthrene	160	U	160	330	ug/Kg
120-12-7	Anthracene	160	U	160	330	ug/Kg
86-74-8	Carbazole	160	U	160	330	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	160	330	ug/Kg
206-44-0	Fluoranthene	210	J	160	330	ug/Kg
129-00-0	Pyrene	290	J	160	330	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	190	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	640	ug/Kg
56-55-3	Benzo(a)anthracene	190	J	160	330	ug/Kg
218-01-9	Chrysene	160	J	150	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	180	330	ug/Kg
117-84-0	Di-n-octyl phthalate	210	U	210	640	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	160	330	ug/Kg

Raw Data: **BF140068.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	160	330	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	180	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	160	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	170	330	ug/Kg
123-91-1	1,4-Dioxane	210	U	210	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	330	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.0		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	82.9		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.6		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		30 (20) - 130 (109)	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	54.1		30 (10) - 130 (105)	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142000	6.886			
1146-65-2	Naphthalene-d8	555000	8.169			
15067-26-2	Acenaphthene-d10	315000	9.922			
1517-22-2	Phenanthrene-d10	503000	11.41			
1719-03-5	Chrysene-d12	252000	14.045			
1520-96-3	Perylene-d12	283000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	4000	JB		2.20	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		5.12	ug/Kg
000119-61-9	Benzophenone	270	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J		11.9	ug/Kg
	unknown12.021	270	J		12.0	ug/Kg
025276-70-4	1-Pentadecanethiol	140	J		13.9	ug/Kg
	unknown17.286	180	J		17.3	ug/Kg

Raw Data: **BF140068.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
006831-17-0	2H-Cyclopropa[a]naphthalen-2-one,	140	J		17.9	ug/Kg
000638-96-0	.alpha.-Amyrone	760	J		18.2	ug/Kg
058801-23-3	Hop-22(29)-en-3.beta.-ol	330	J		18.5	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

Sample Results: **BF140068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	142022	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	554829	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	315069	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	502958	20.000	ng		0.00
76) Chrysene-d12	14.045	240	252281	20.000	ng		0.00
86) Perylene-d12	15.527	264	282696	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	761696	83.961	ng		0.00
7) Phenol-d6	6.504	99	974385	82.928	ng		0.00
23) Nitrobenzene-d5	7.445	82	596551	59.591	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	242295	82.216	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1050774	55.118	ng		0.00
79) Terphenyl-d14	12.992	244	837874	54.118	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	52803	2.223	ng		97
75) Fluoranthene	12.621	202	78278	3.259	ng		99
78) Pyrene	12.851	202	97847	4.431	ng		98
81) Benzo(a)anthracene	14.039	228	47020	2.863	ng	#	79
83) Chrysene	14.068	228	36661	2.435	ng	#	92
88) Benzo(b)fluoranthene	15.092	252	34923m	2.028	ng		
90) Benzo(a)pyrene	15.456	252	40332	2.846	ng		94

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

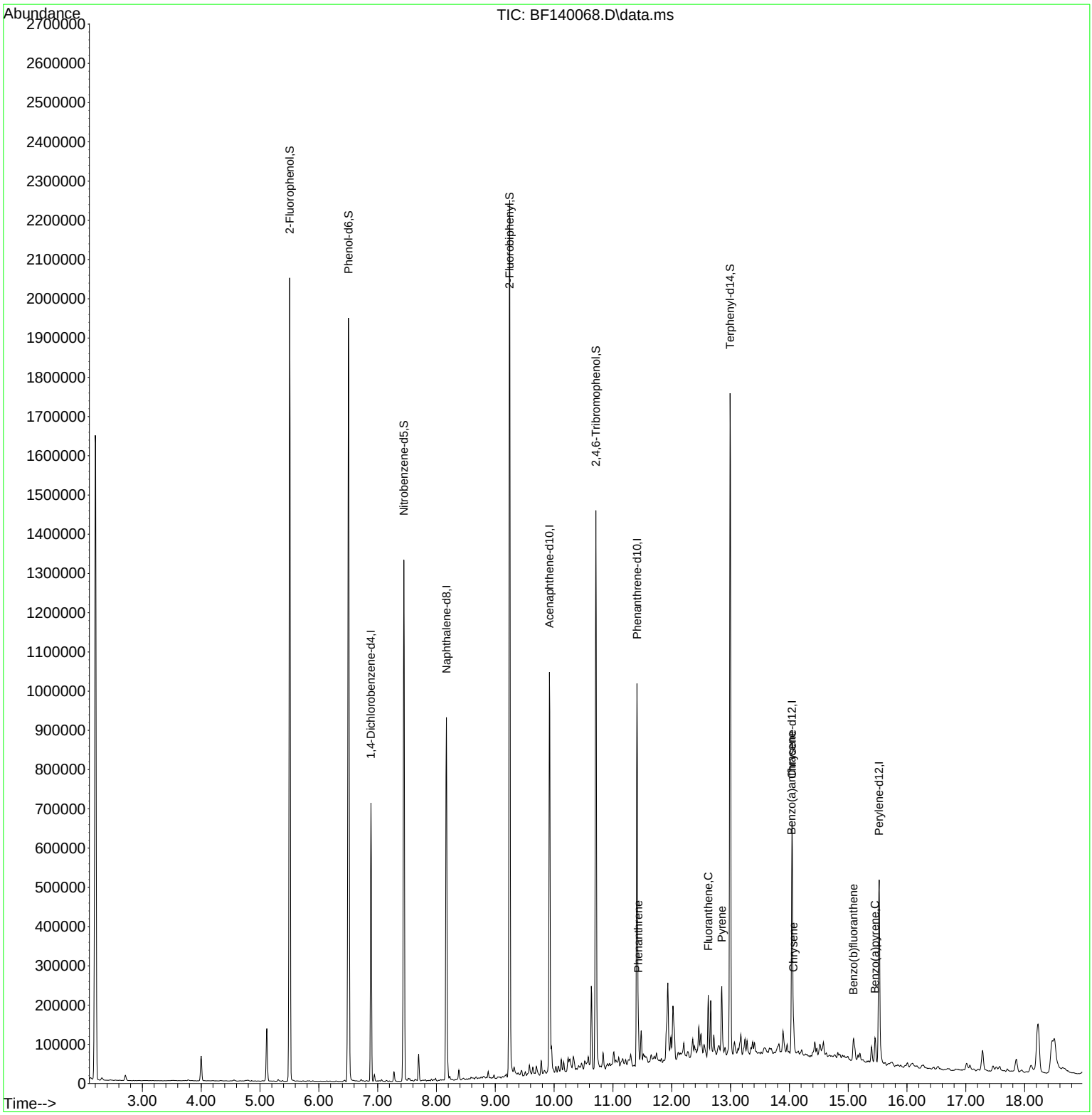
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

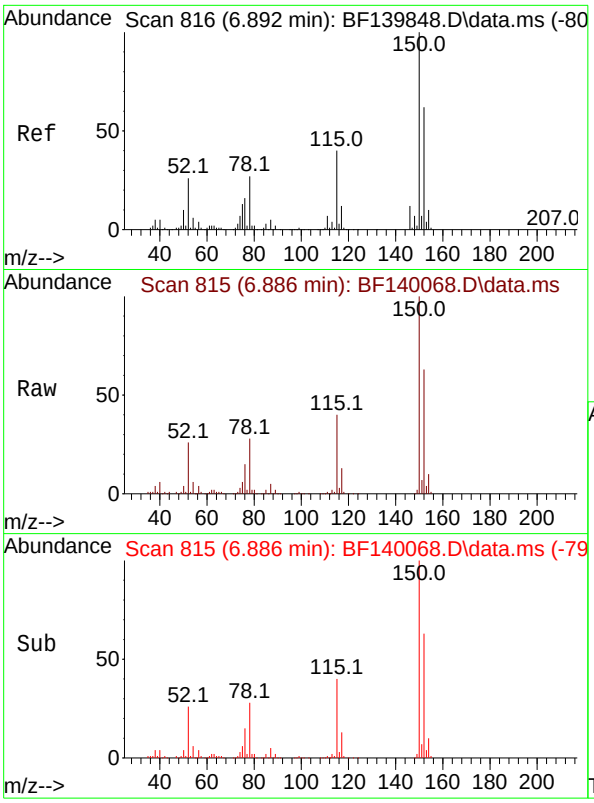
Quant Time: Oct 28 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

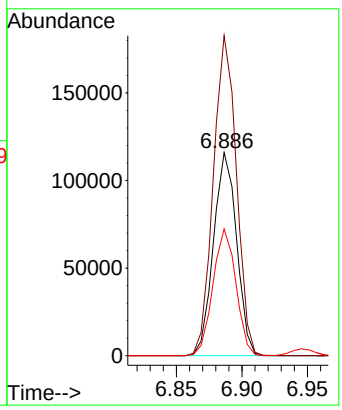
Tgt Ion:152 Resp: 14202

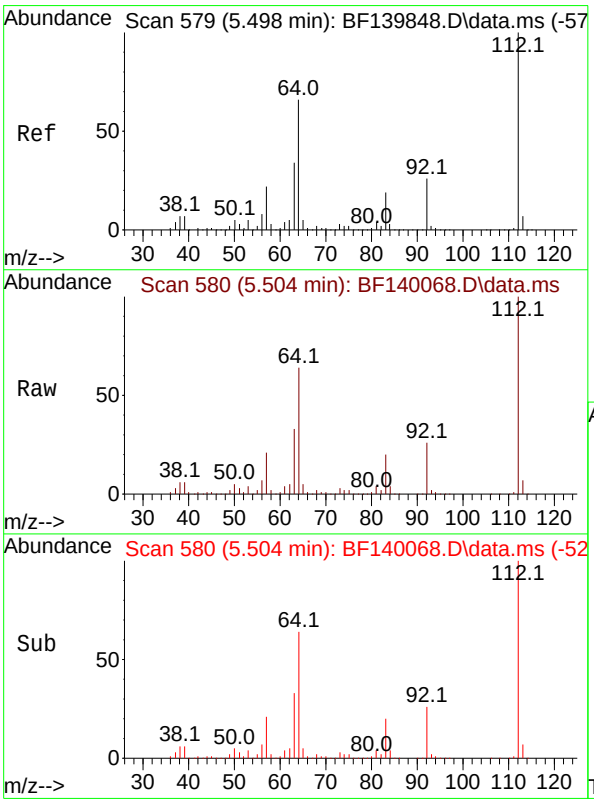
Ion	Ratio	Lower	Upper
152	100		
150	157.6	130.2	195.2
115	62.4	51.4	77.2

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

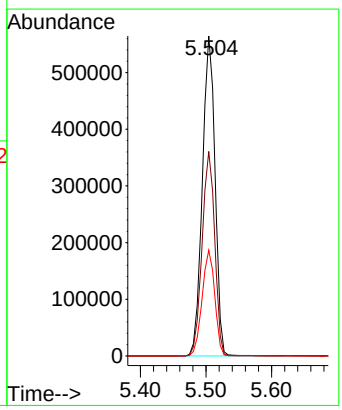


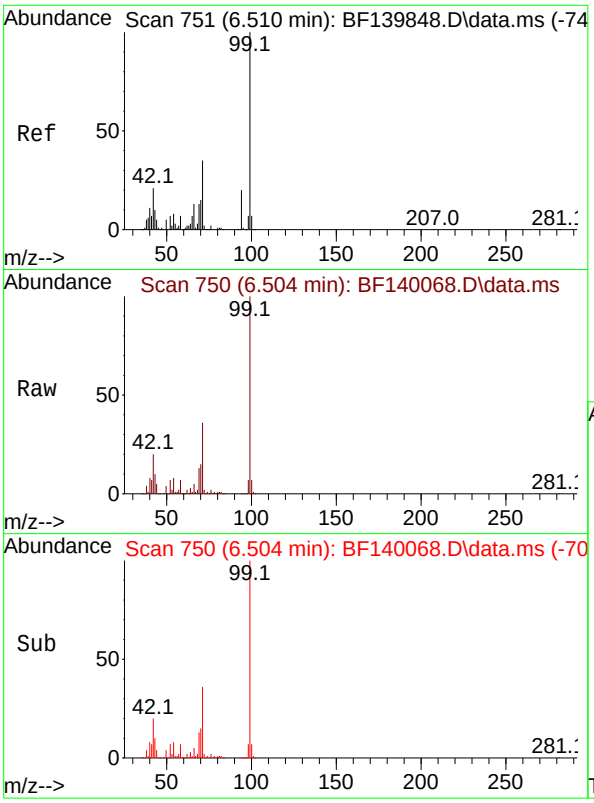


#5
2-Fluorophenol
Concen: 83.961 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:112 Resp: 761696

Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.0	79.6
63	33.1	27.0	40.4

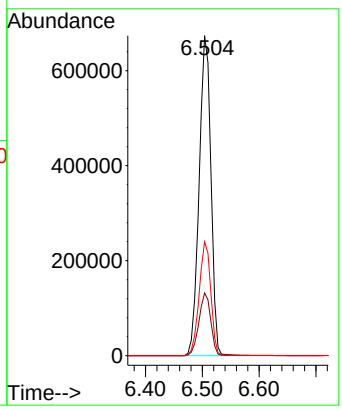




#7
Phenol-d6
Concen: 82.928 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion: 99 Resp: 97438

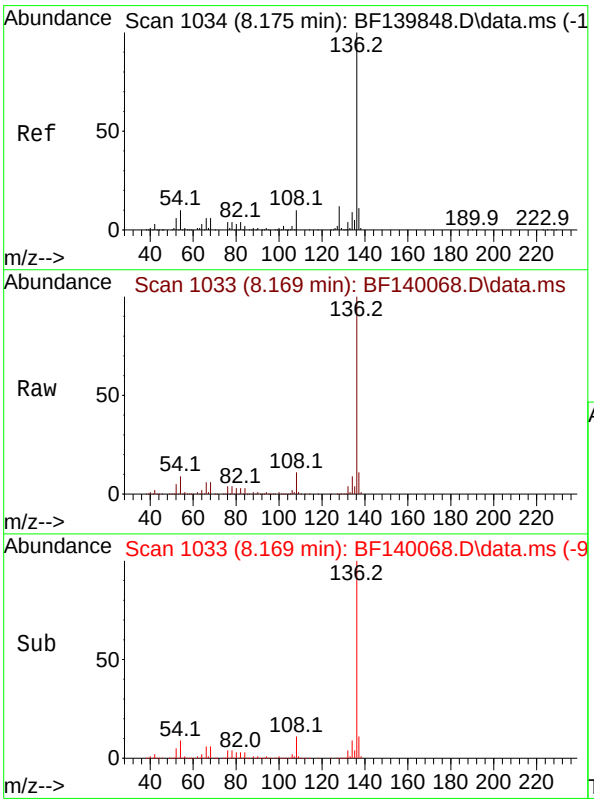
Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.7	25.1
71	35.6	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

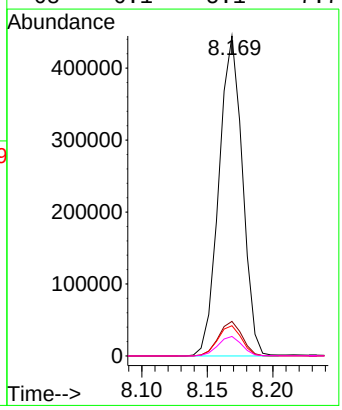
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

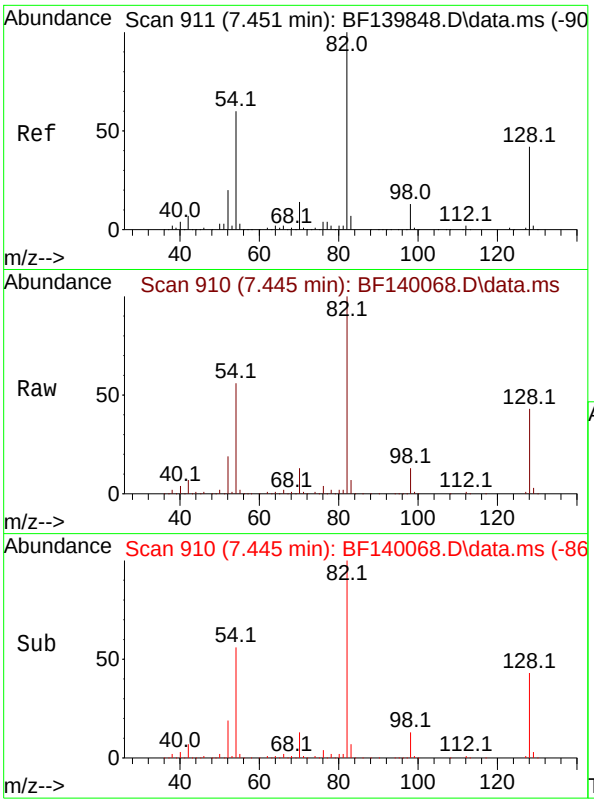


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:136 Resp: 554829

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.5	8.4	12.6
68	6.1	5.1	7.7





#23
Nitrobenzene-d5
Concen: 59.591 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

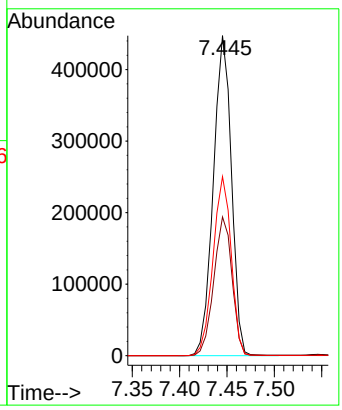
Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

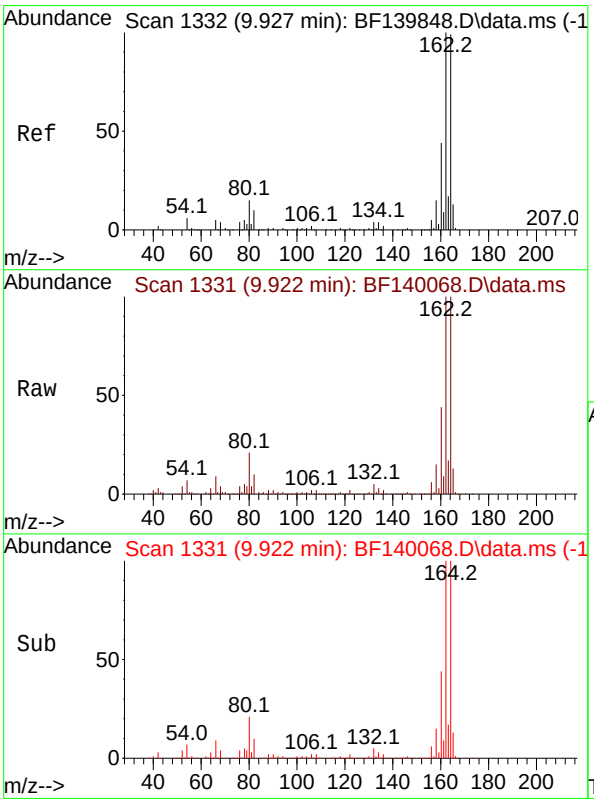
Tgt Ion: 82 Resp: 59655

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.0
54	56.0	47.8	71.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

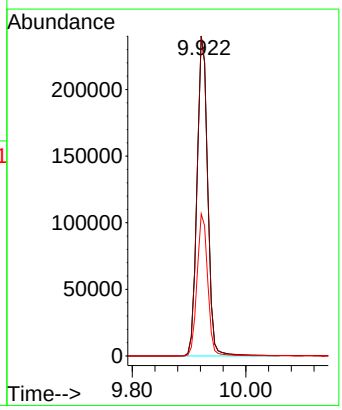


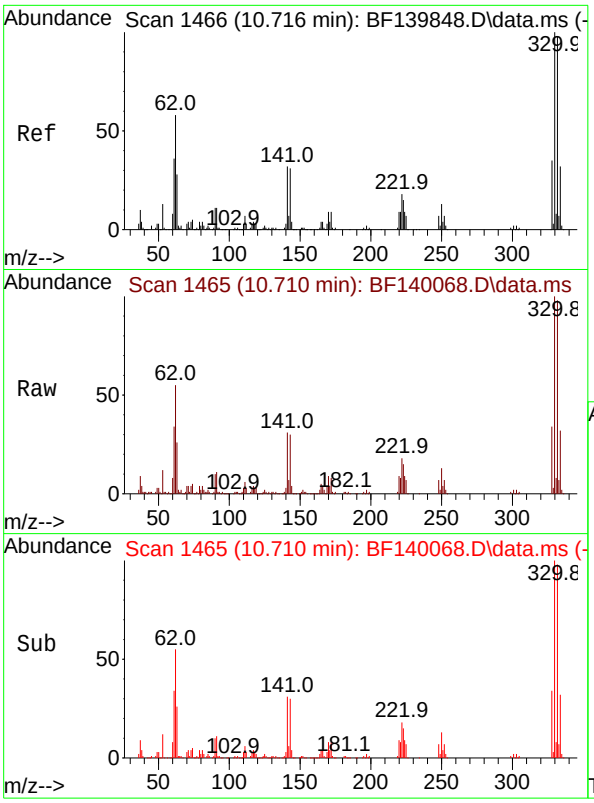


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:164 Resp: 315069

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.0	121.4
160	44.4	35.4	53.0

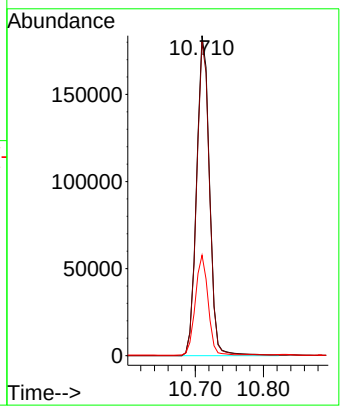




#42
2,4,6-Tribromophenol
Concen: 82.216 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:330 Resp: 24229

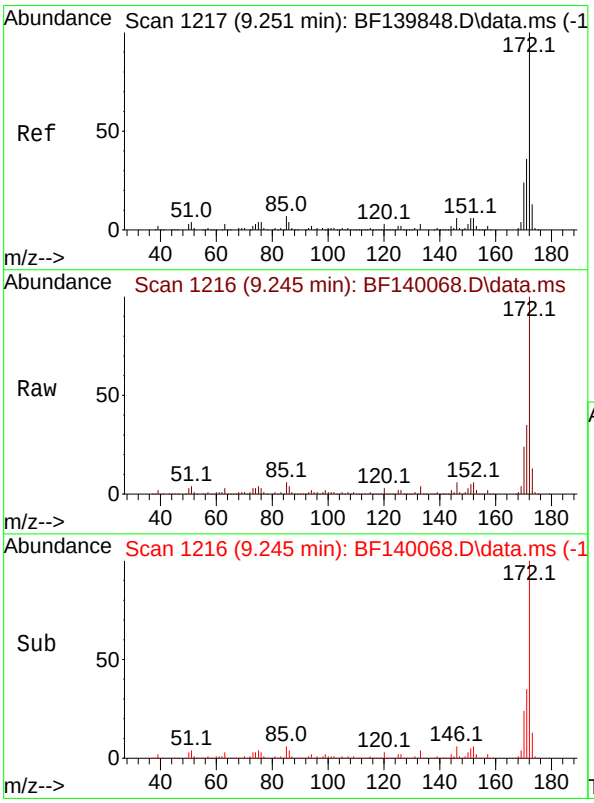
Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.1	117.1
141	30.7	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

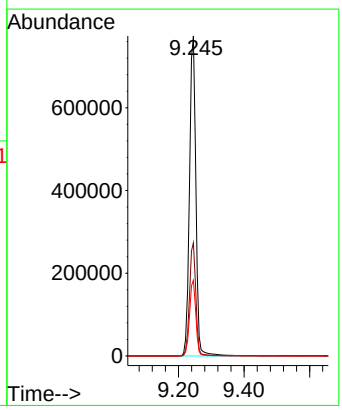
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

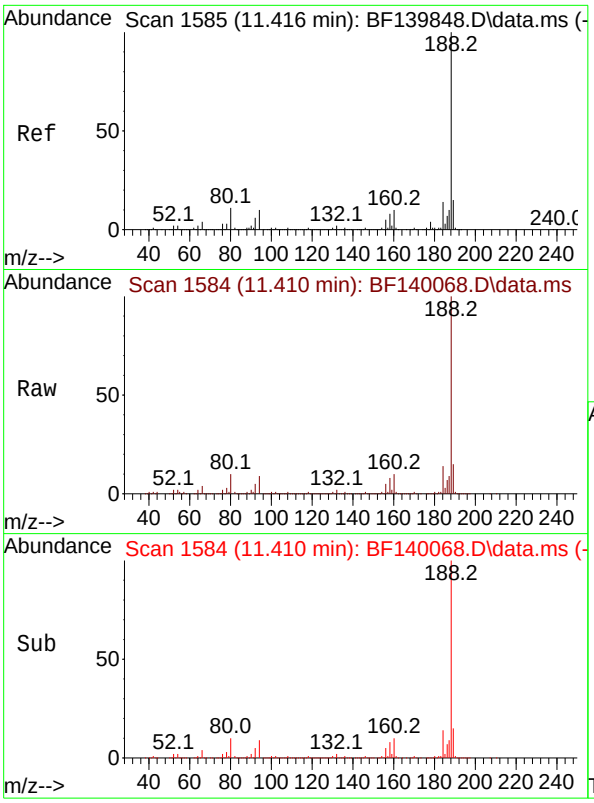


#45
2-Fluorobiphenyl
Concen: 55.118 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:172 Resp: 1050774

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.1	28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

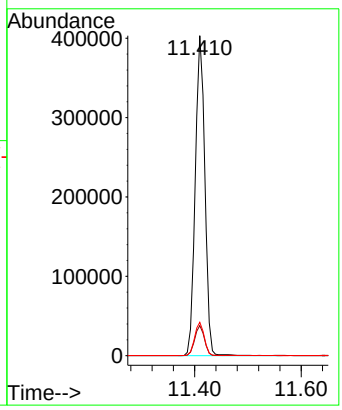
Tgt Ion:188 Resp: 50295

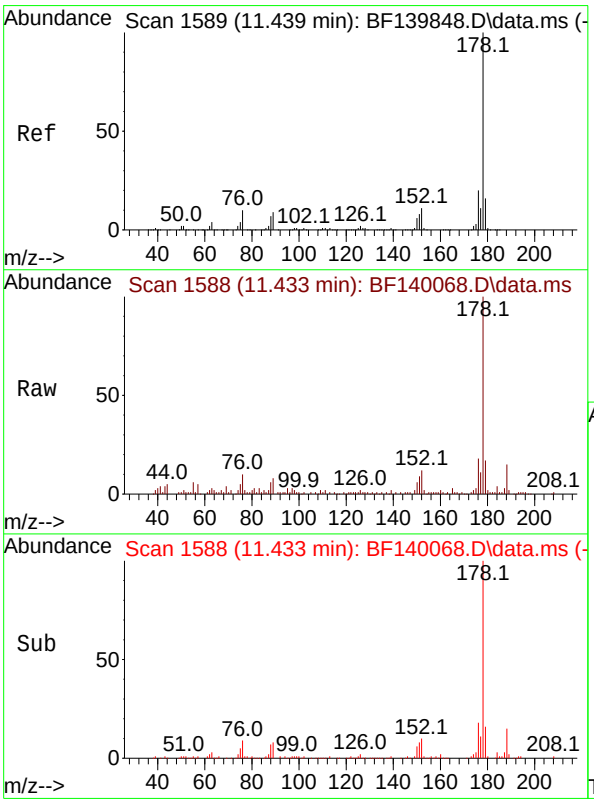
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.4	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

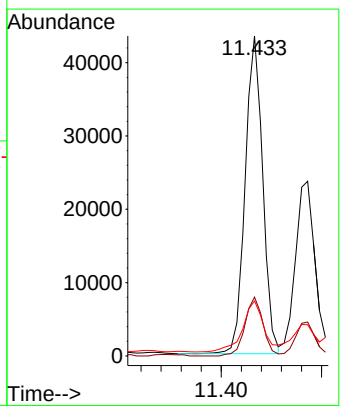


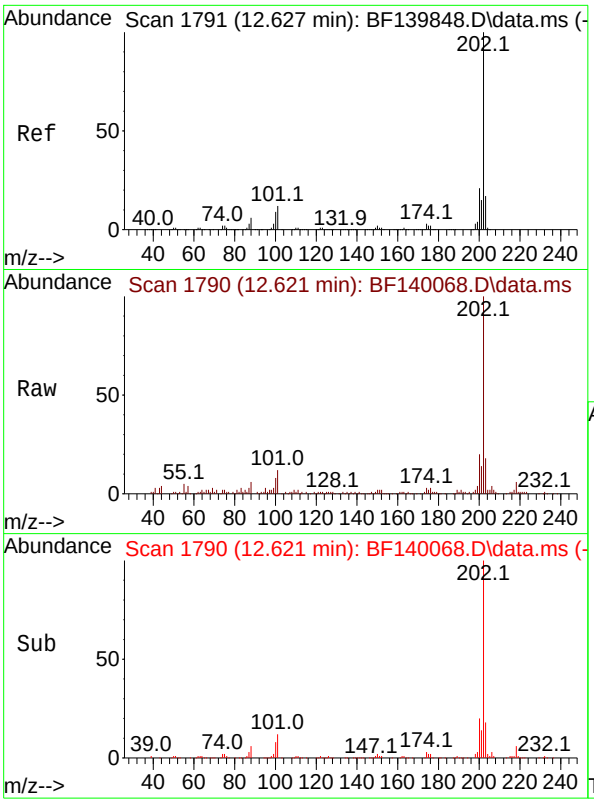


#71
Phenanthrene
Concen: 2.223 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:178 Resp: 52803

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	17.2	12.6	18.8

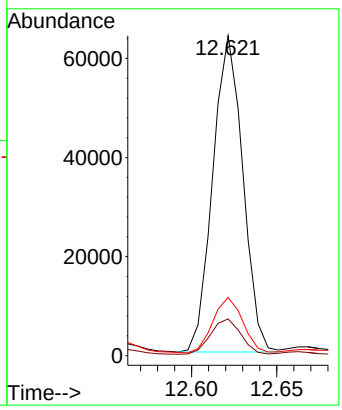




#75
Fluoranthene
Concen: 3.259 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:202 Resp: 7827

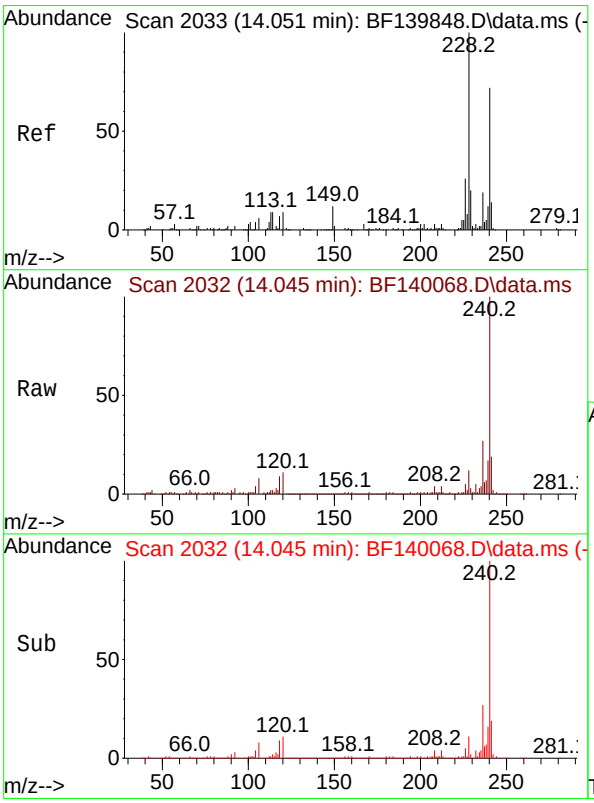
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.9
203	18.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

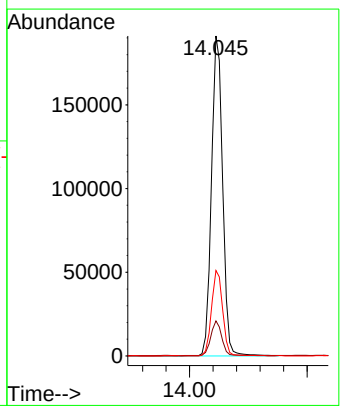
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

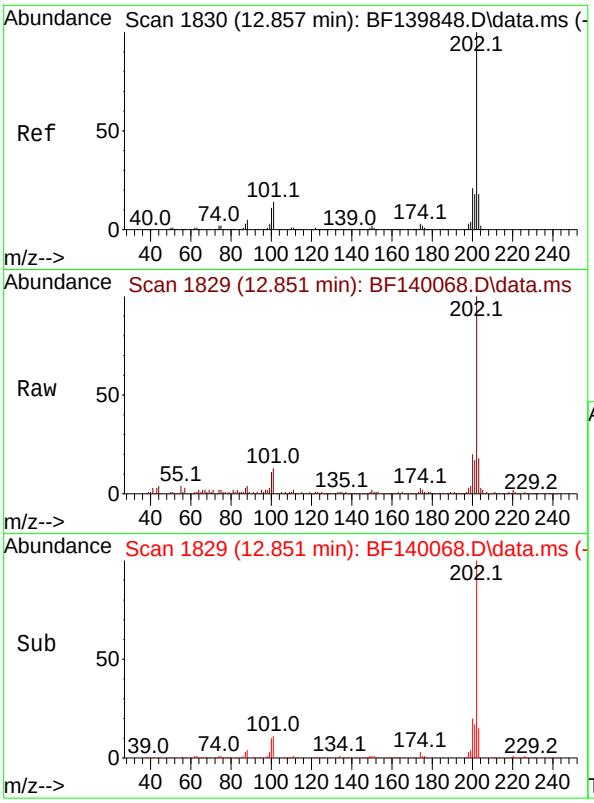


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:240 Resp: 252281

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.4	14.2
236	26.7	20.9	31.3

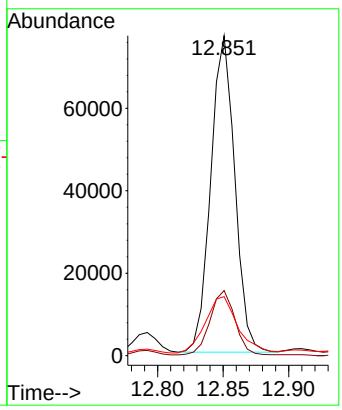




#78
Pyrene
Concen: 4.431 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:202 Resp: 9784

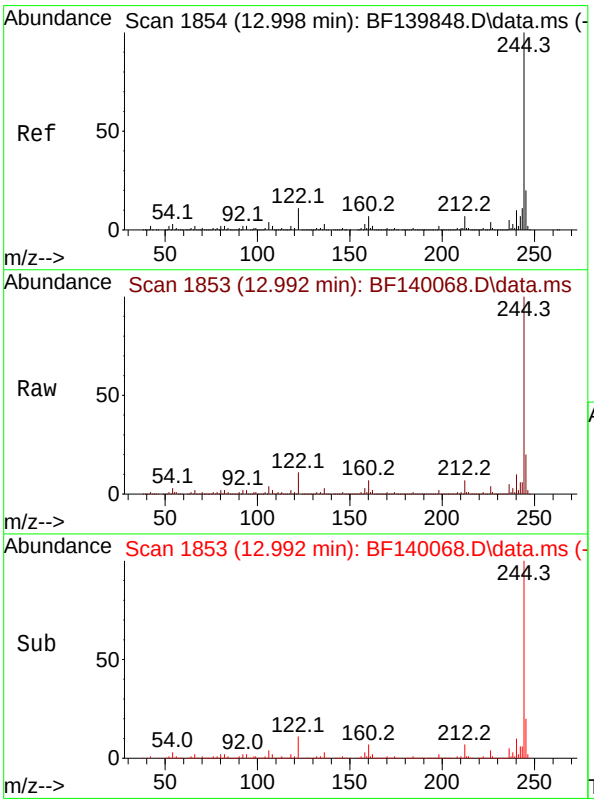
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	18.4	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

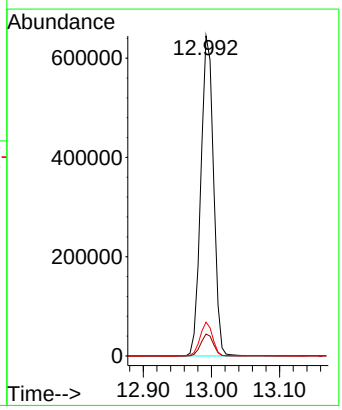
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

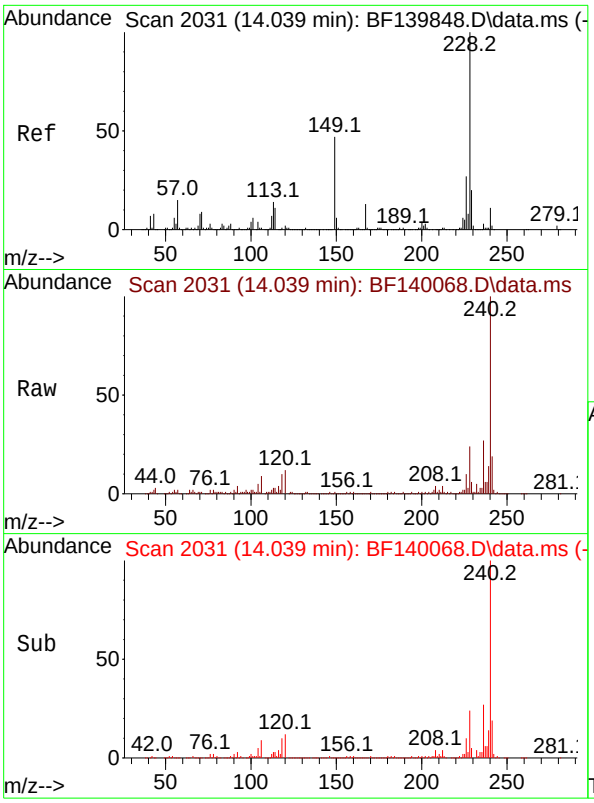


#79
Terphenyl-d14
Concen: 54.118 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:244 Resp: 837874

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.5	8.6	13.0





#81
Benzo(a)anthracene
Concen: 2.863 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

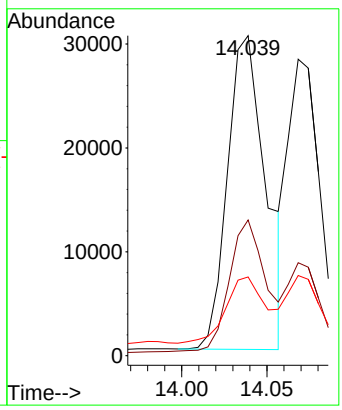
Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

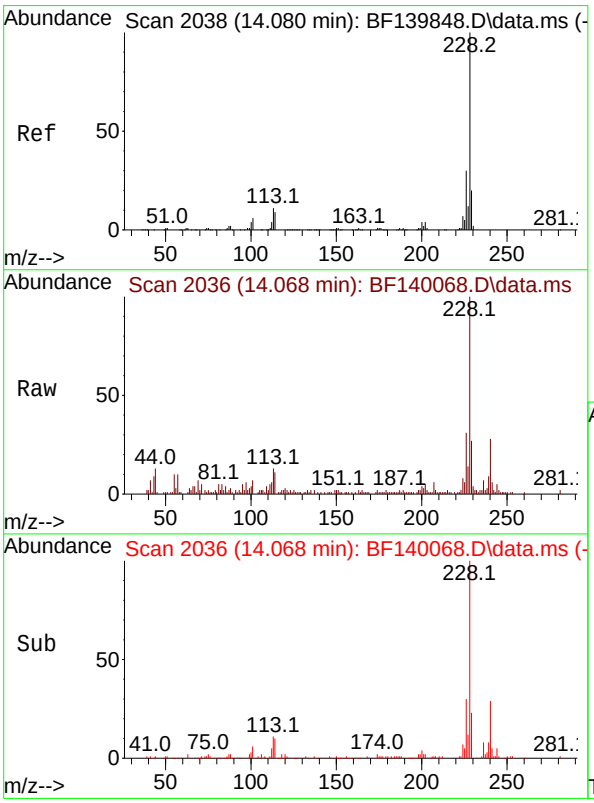
Tgt Ion:228 Resp: 4702

Ion	Ratio	Lower	Upper
228	100		
226	42.4	21.6	32.4#
229	24.6	16.1	24.1#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

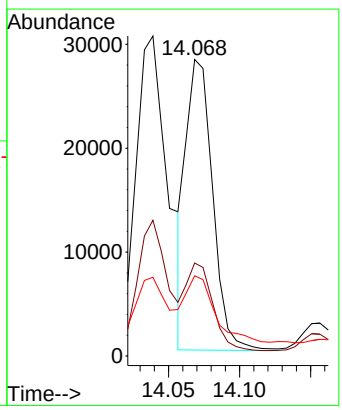


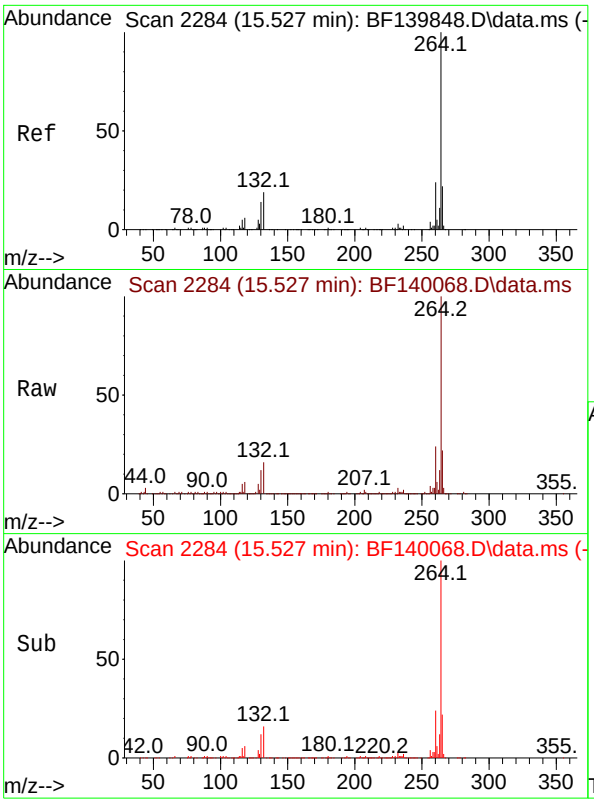


#83
Chrysene
Concen: 2.435 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:228 Resp: 36661

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	27.0	15.8	23.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

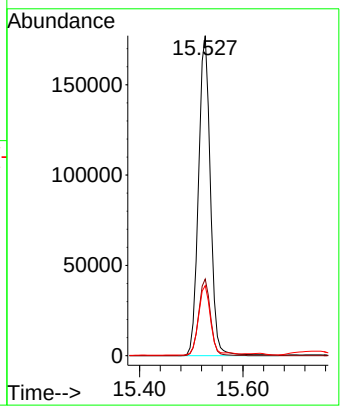
Tgt Ion:264 Resp: 28269

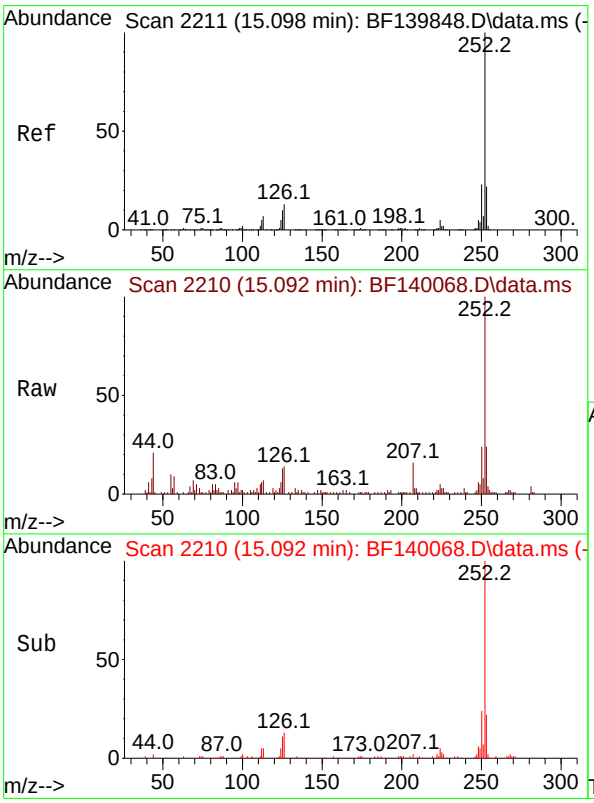
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.9	17.4	26.0

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

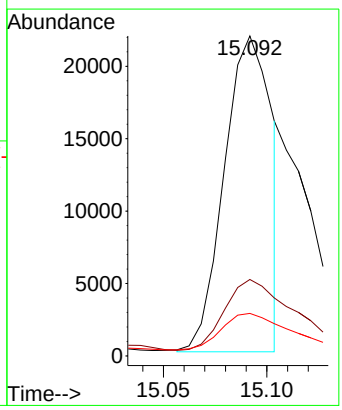


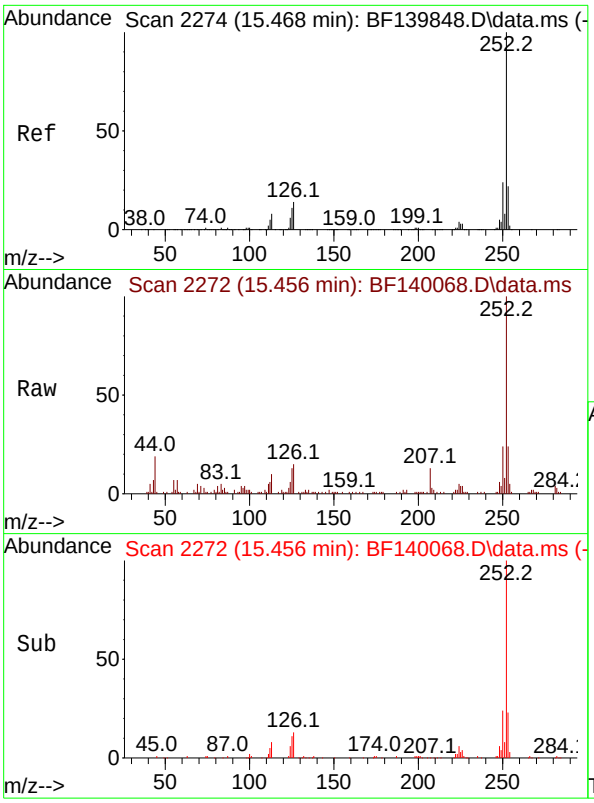


#88
Benzo(b)fluoranthene
Concen: 2.028 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:252 Resp: 34923

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	13.3	7.9	11.9#

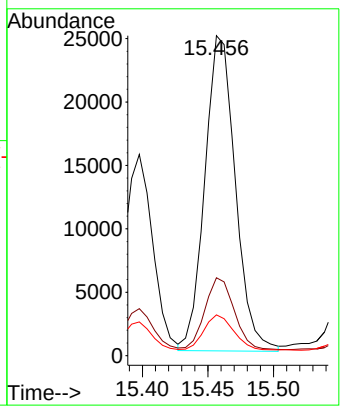




#90
Benzo(a)pyrene
Concen: 2.846 ng
RT: 15.456 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:252 Resp: 4033

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	12.7	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

Sample Results: **BF140068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140068.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	11	18	26	rVB	1641864	2687905	89.07%	9.485%
2	3.998	317	324	331	rBV	63435	98658	3.27%	0.348%
3	5.116	505	514	521	rVB	133707	201982	6.69%	0.713%
4	5.504	573	580	585	rBV	2047239	2749407	91.10%	9.702%
5	6.504	743	750	763	rBV	1946388	2849995	94.44%	10.057%
6	6.886	810	815	820	rVB	708953	864159	28.63%	3.050%
7	7.275	876	881	887	rBV	25157	36236	1.20%	0.128%
8	7.445	902	910	915	rBV	1328779	1775839	58.84%	6.267%
9	7.698	949	953	959	rVB	67990	82701	2.74%	0.292%
10	8.169	1027	1033	1040	rBV	924185	1211624	40.15%	4.276%
11	8.380	1063	1069	1075	rVB2	24745	34967	1.16%	0.123%
12	9.245	1209	1216	1226	rBV	2234736	3017894	100.00%	10.650%
13	9.322	1226	1229	1237	rVB4	18812	34858	1.16%	0.123%
14	9.580	1265	1273	1279	rBV2	26199	49879	1.65%	0.176%
15	9.698	1290	1293	1302	rVB	22561	41847	1.39%	0.148%
16	9.780	1303	1307	1312	rBV	37162	53721	1.78%	0.190%
17	9.922	1325	1331	1335	rBV	1018088	1319688	43.73%	4.657%
18	9.957	1335	1337	1345	rVB	65713	83081	2.75%	0.293%
19	10.122	1361	1365	1369	rBV2	30246	40280	1.33%	0.142%
20	10.163	1369	1372	1377	rVB	24922	31095	1.03%	0.110%
21	10.239	1380	1385	1387	rBV2	34979	52420	1.74%	0.185%
22	10.327	1396	1400	1406	rVB3	32942	62378	2.07%	0.220%
23	10.522	1429	1433	1437	rBV3	20444	38199	1.27%	0.135%
24	10.580	1440	1443	1446	rVV2	29406	41511	1.38%	0.146%
25	10.633	1448	1452	1459	rVB	211518	274371	9.09%	0.968%
26	10.710	1459	1465	1476	rBV	1423896	1882862	62.39%	6.644%
27	10.833	1482	1486	1493	rVB3	41108	66408	2.20%	0.234%
28	11.016	1513	1517	1520	rBV2	28807	40281	1.33%	0.142%
29	11.169	1535	1543	1547	rBV6	17786	44693	1.48%	0.158%
30	11.304	1563	1566	1572	rVB3	29949	45745	1.52%	0.161%
31	11.410	1579	1584	1592	rBV	975380	1357323	44.98%	4.790%
32	11.480	1592	1596	1600	rVB2	74555	100446	3.33%	0.354%
33	11.933	1665	1673	1678	rBV2	196125	395396	13.10%	1.395%
34	11.986	1679	1682	1684	rVV2	57268	78465	2.60%	0.277%
35	12.021	1684	1688	1697	rVB	136566	286626	9.50%	1.011%
36	12.357	1739	1745	1748	rBV2	44931	77532	2.57%	0.274%

Sample Results: **BF140068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.463	1759	1763	1766	rBV	59972	80273	2.66%	0.283%
38	12.498	1766	1769	1774	rVB2	48594	75083	2.49%	0.265%
39	12.551	1775	1778	1786	rVB4	31090	64965	2.15%	0.229%
40	12.621	1786	1790	1794	rBV	156975	205253	6.80%	0.724%
41	12.663	1794	1797	1802	rVV	134957	164897	5.46%	0.582%
42	12.715	1803	1806	1813	rVB	50459	71398	2.37%	0.252%
43	12.851	1824	1829	1835	rVB	167839	240302	7.96%	0.848%
44	12.992	1848	1853	1861	rVB	1684517	2188429	72.52%	7.723%
45	13.068	1862	1866	1872	rBV2	30171	51842	1.72%	0.183%
46	13.245	1893	1896	1899	rVB	29233	31294	1.04%	0.110%
47	13.280	1899	1902	1910	rVB2	34345	49215	1.63%	0.174%
48	13.892	2002	2006	2014	rVB	53178	98021	3.25%	0.346%
49	14.045	2026	2032	2044	rBV2	586496	926845	30.71%	3.271%
50	15.092	2205	2210	2219	rBV	53684	123912	4.11%	0.437%
51	15.398	2258	2262	2267	rVV	37932	56790	1.88%	0.200%
52	15.456	2268	2272	2278	rVV	61783	94475	3.13%	0.333%
53	15.527	2278	2284	2296	rVB	467621	782883	25.94%	2.763%
54	17.009	2532	2536	2543	rBV2	14439	32326	1.07%	0.114%
55	17.286	2576	2583	2591	rVB3	49087	110459	3.66%	0.390%
56	17.856	2674	2680	2689	rVB2	32305	82251	2.73%	0.290%
57	18.109	2718	2723	2730	rBV7	12244	34133	1.13%	0.120%
58	18.227	2733	2743	2767	rVB4	125424	460872	15.27%	1.626%
59	18.468	2774	2784	2786	rBV7	78481	201119	6.66%	0.710%

Sum of corrected areas: 28337509

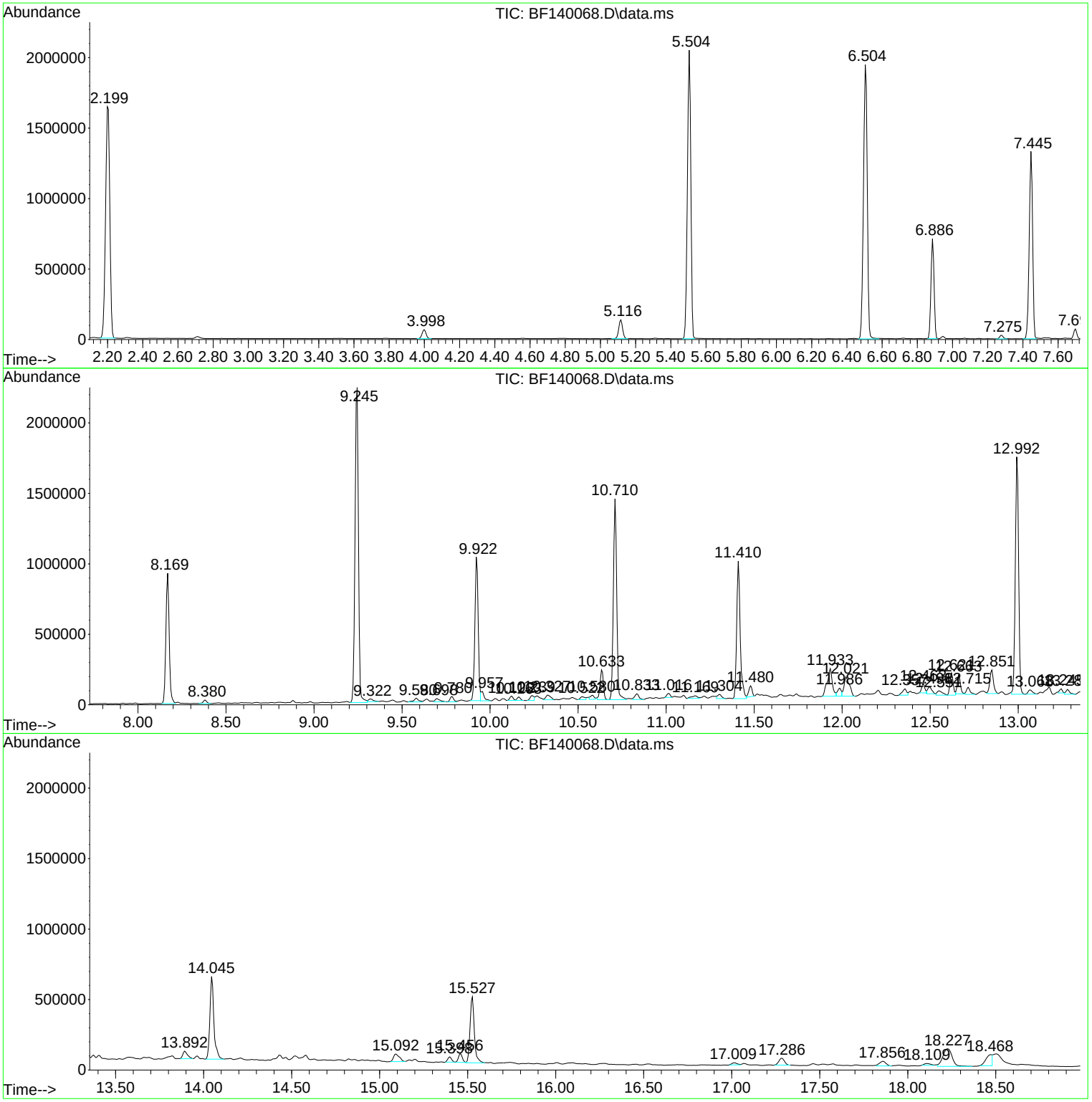
Sample Results: **BF140068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

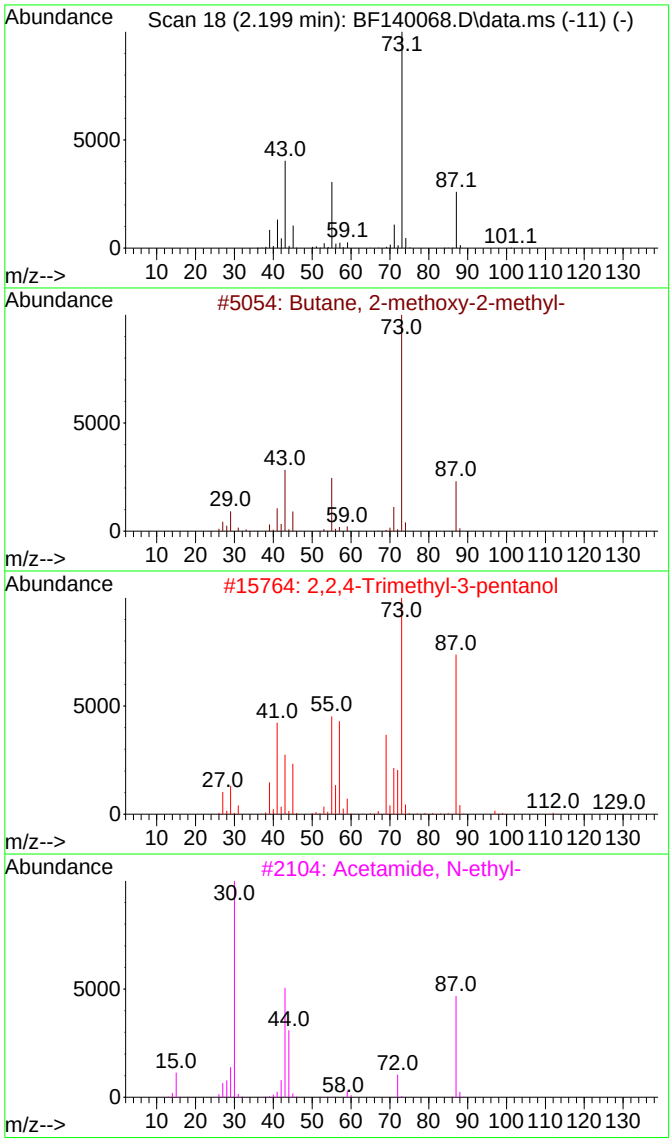
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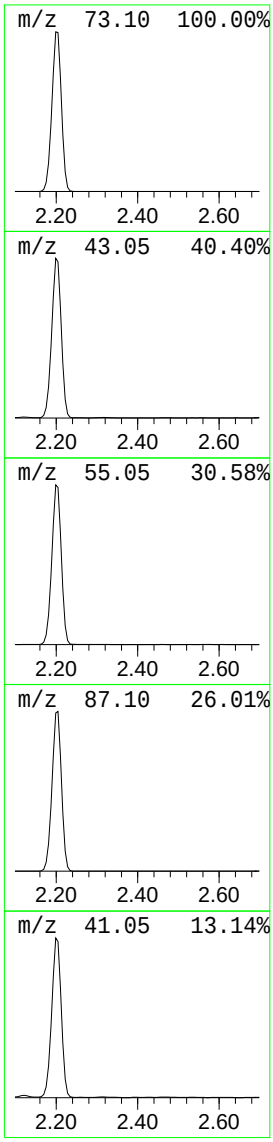
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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	62.21 ng	2687910	1,4-Dichlorobenzene-d4	6.886

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

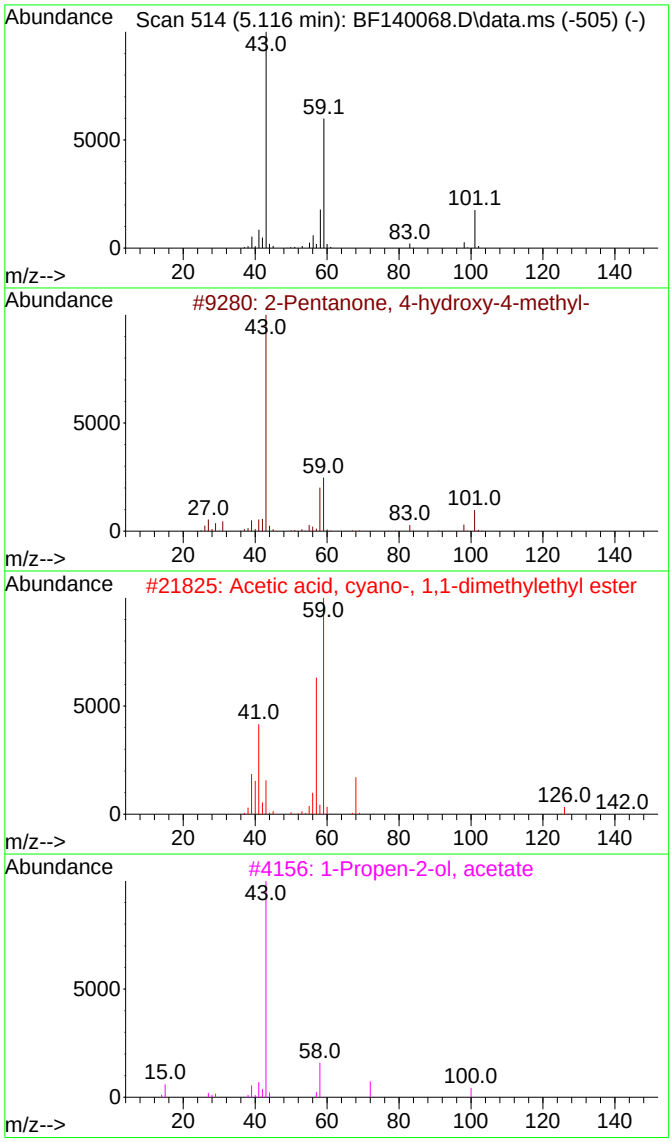
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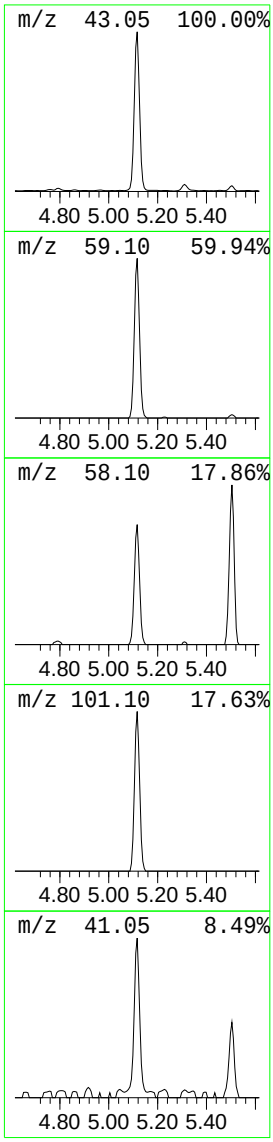
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	4.67 ng	201982	1,4-Dichlorobenzene-d4	6.886

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	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

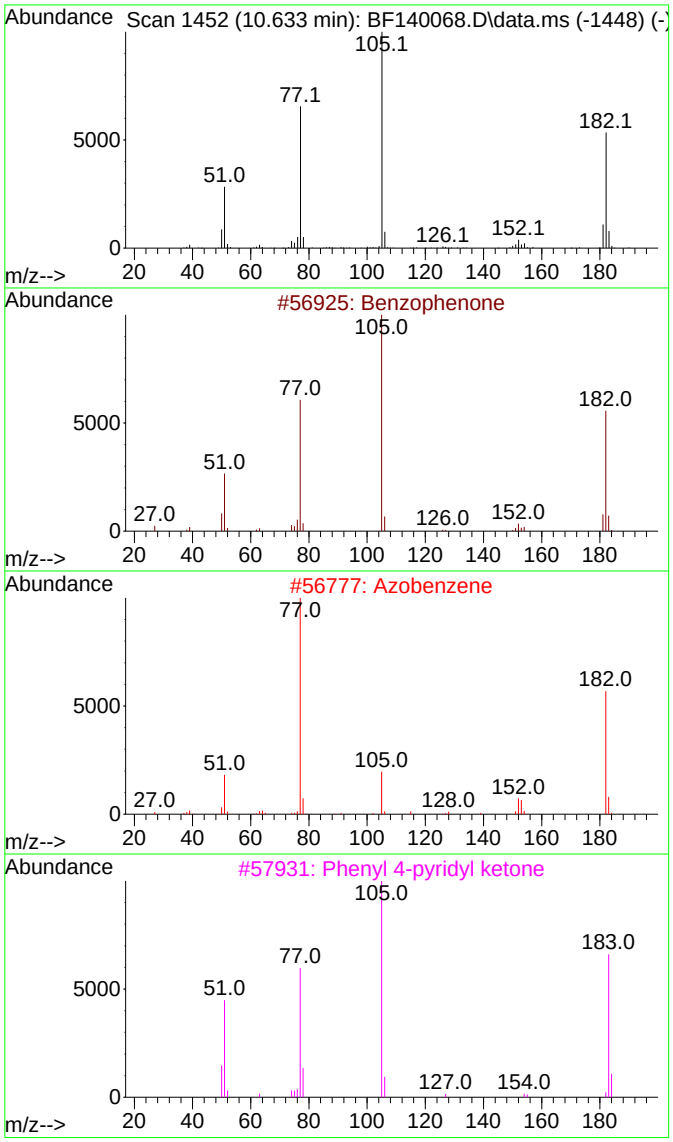
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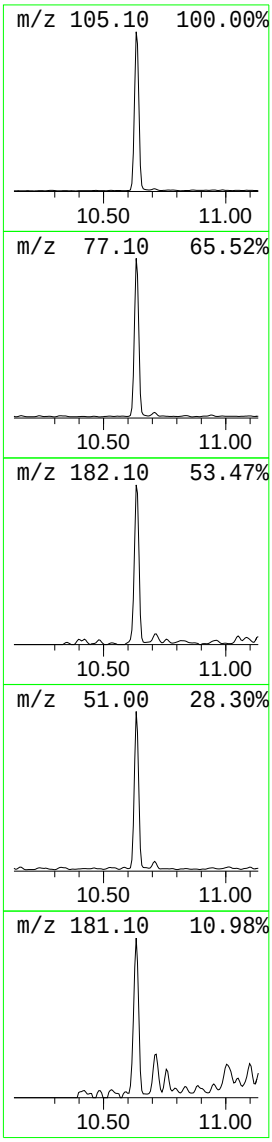
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Peak Number 4 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	4.16 ng	274371	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
4	Benzoylformic acid	150	C8H6O3	000611-73-4	49
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

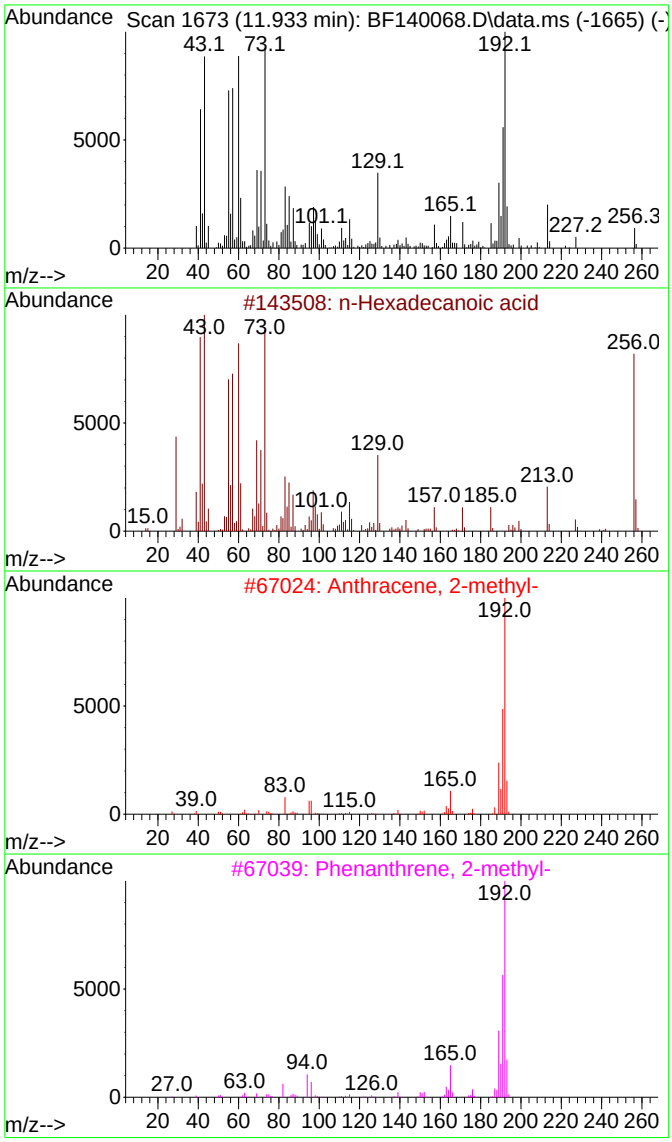
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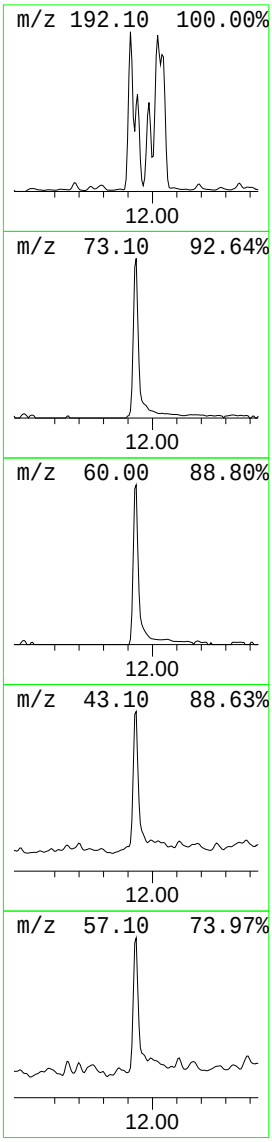
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	5.83 ng	395396	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

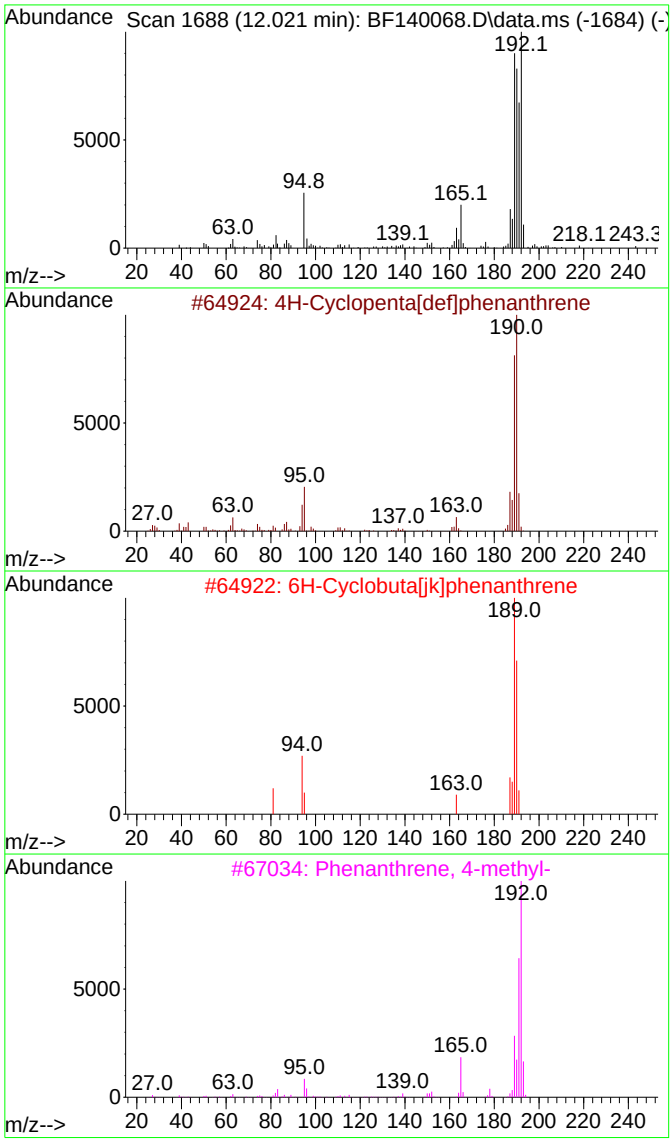
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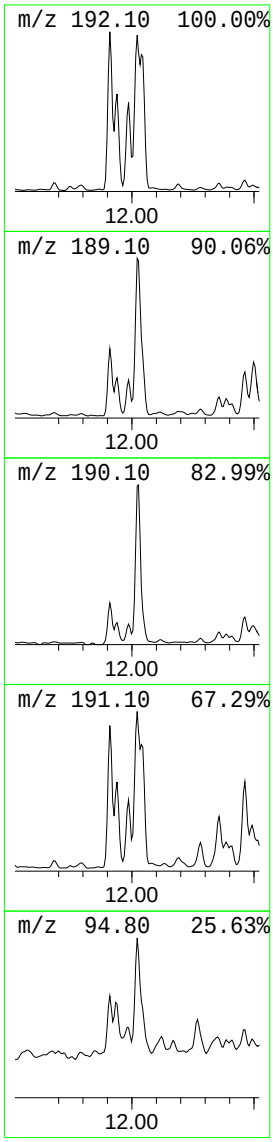
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Peak Number 6 unknown12.021 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	4.22 ng	286626	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

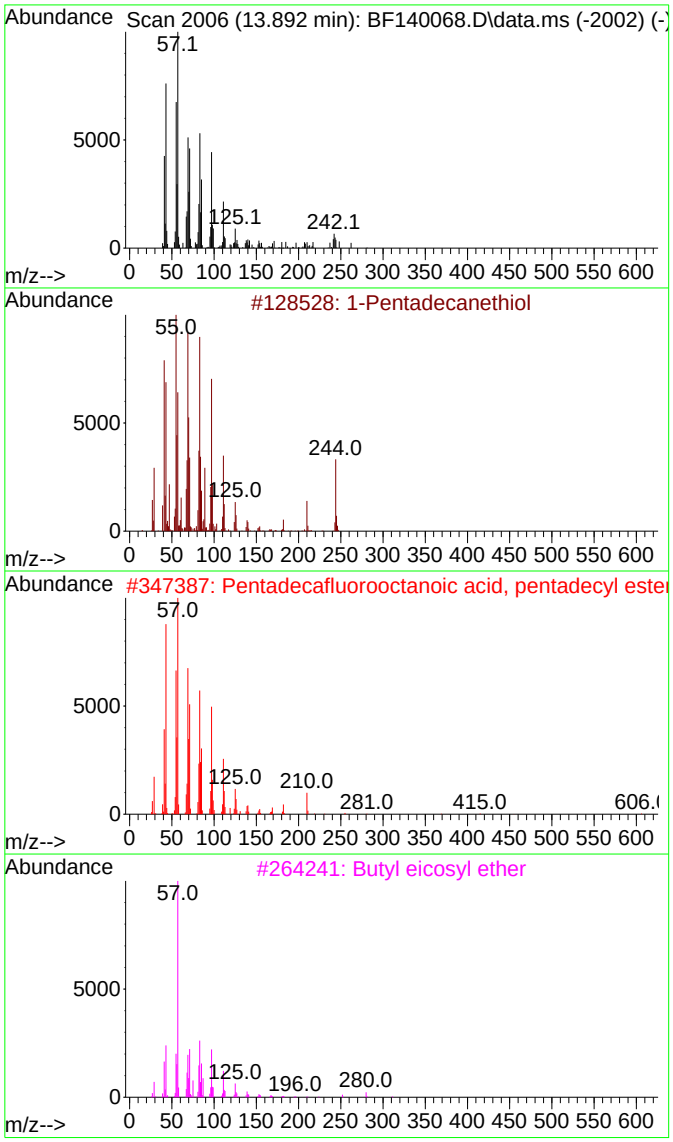
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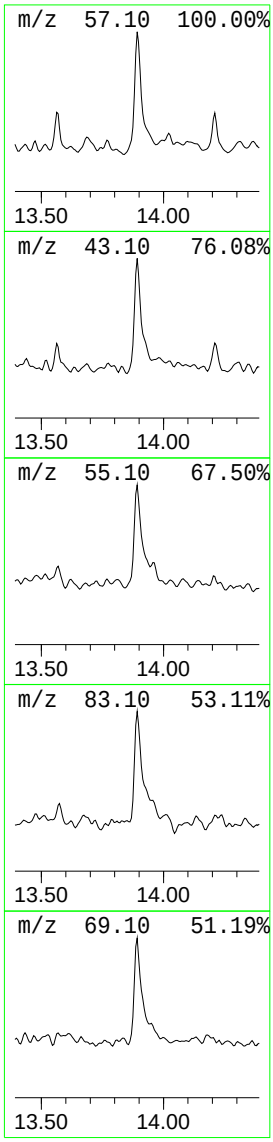
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Peak Number 7 1-Pentadecanethiol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	2.12 ng	98021	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecanethiol	244	C15H32S	025276-70-4	93
2	Pentadecafluorooctanoic acid, pe...	624	C23H31F15O2	1000406-04-5	91
3	Butyl eicosyl ether	354	C24H50O	1000406-40-7	91
4	Isobutyl tetradecyl carbonate	314	C19H38O3	959275-58-2	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

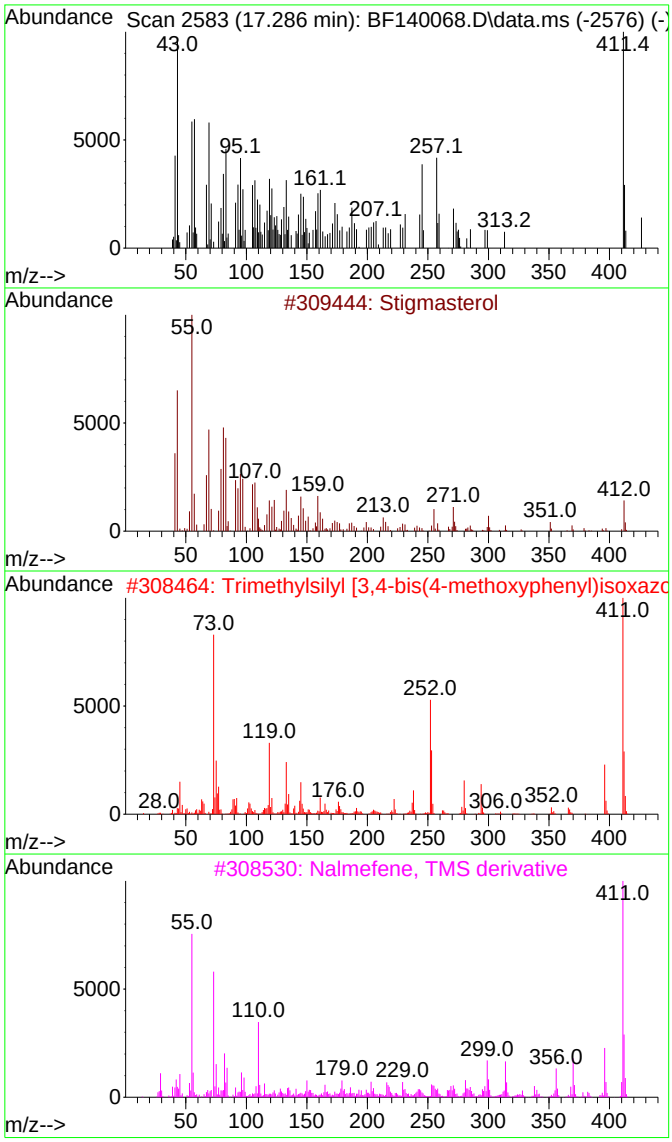
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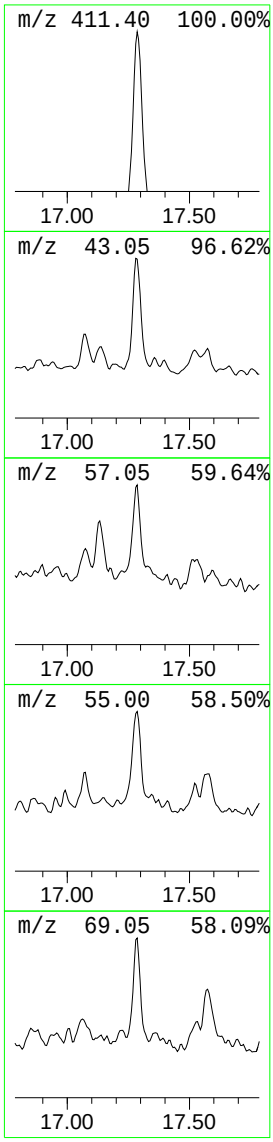
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Peak Number 8 unknown17.286 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.286	2.82 ng	110459	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmasterol	412	C29H48O	000083-48-7	46
2	Trimethylsilyl [3,4-bis(4-methox...	411	C22H25NO5Si	1000476-35-5	25
3	Nalmefene, TMS derivative	411	C24H33NO3Si	1000333-47-8	22
4	Silane, methylvinyl(hept-4-yloxy...	454	C28H58O2Si	1000416-98-6	22
5	Silane, methylvinyl(2,4-dimethyl...	454	C28H58O2Si	1010416-92-1	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

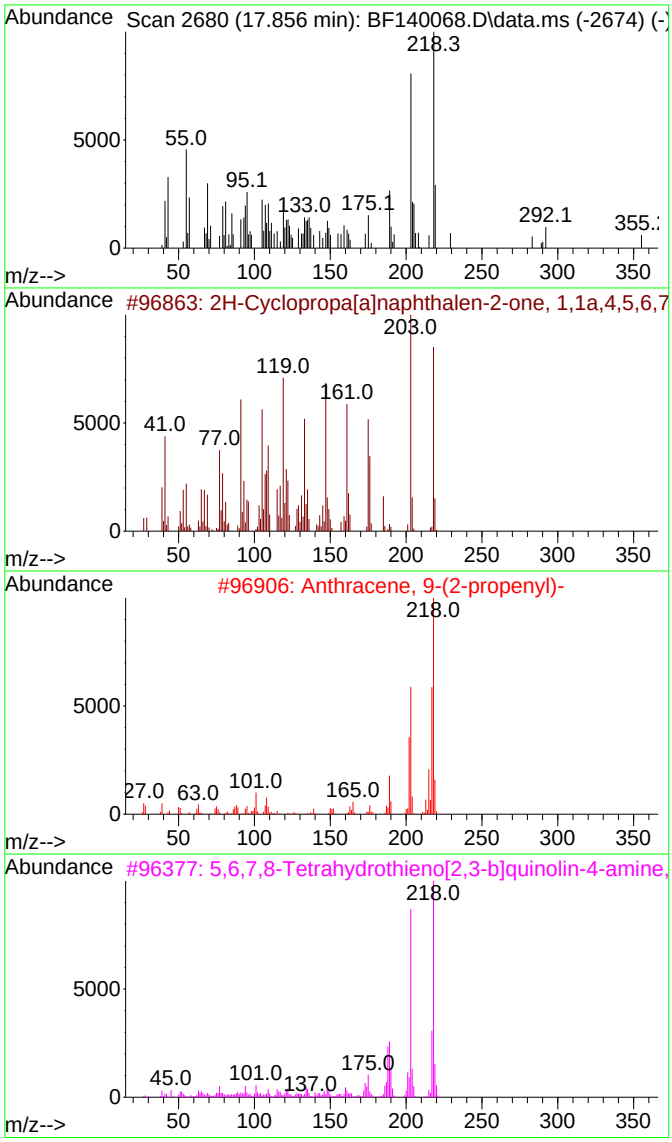
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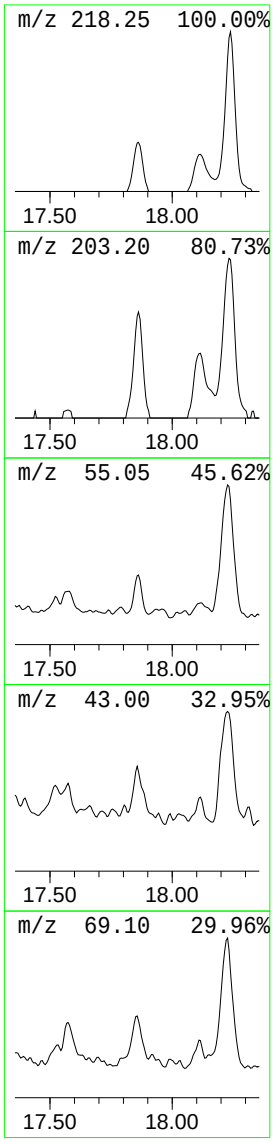
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Peak Number 9 2H-Cyclopropa[a]naphthalen-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.856	2.10 ng	82251	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	76
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	52
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	218	C12H14N2S	134315-44-9	52
4	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	52
5	1,3-Dimethyl-4,6-bis(1-methyl-1-...	274	C16H26Si2	1000293-75-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
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Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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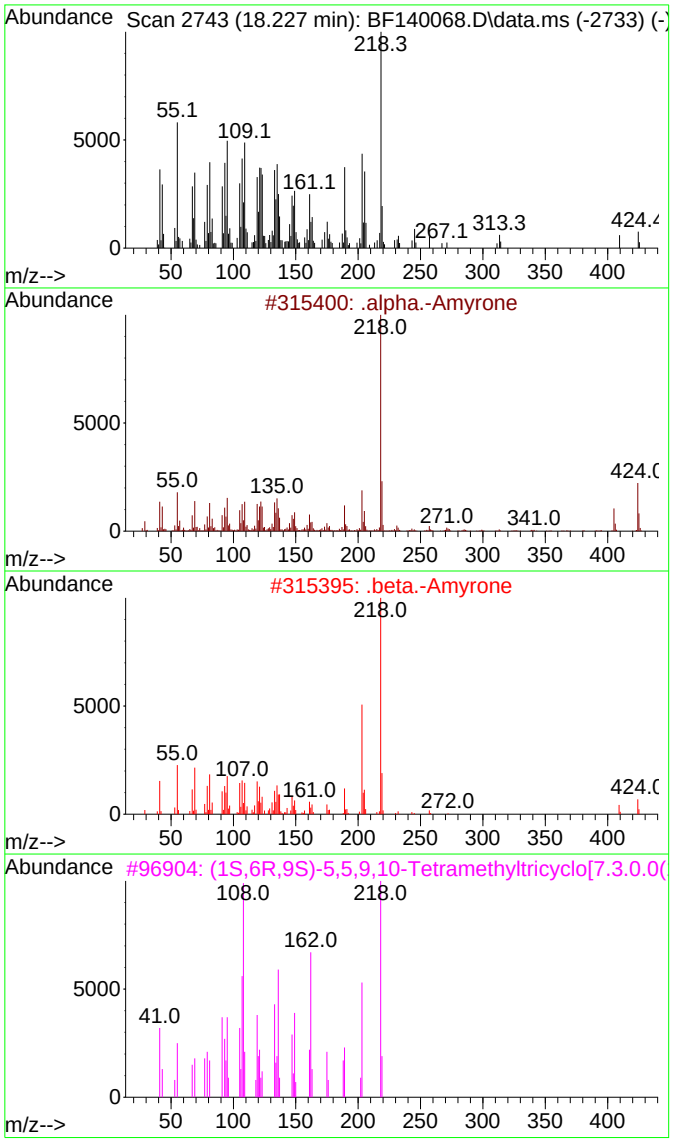
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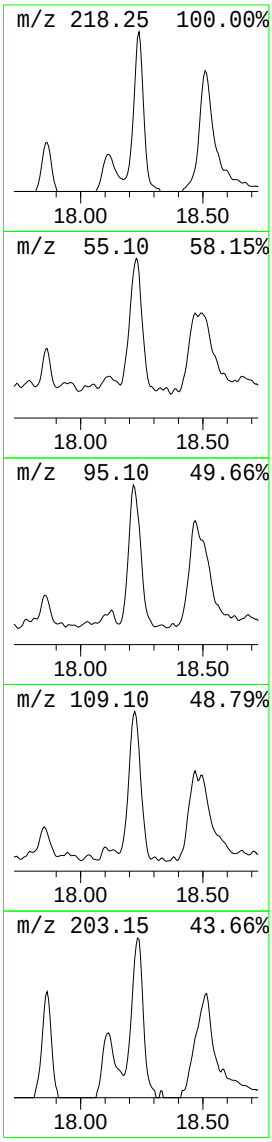
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Peak Number 10 .alpha.-Amyrone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	11.77 ng	460872	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Amyrone	424	C30H48O	000638-96-0	98
2	.beta.-Amyrone	424	C30H48O	000638-97-1	60
3	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	53
4	5H-3,5a-Epoxynaphth[2,1-c]oxepin...	278	C18H30O2	001153-34-0	52
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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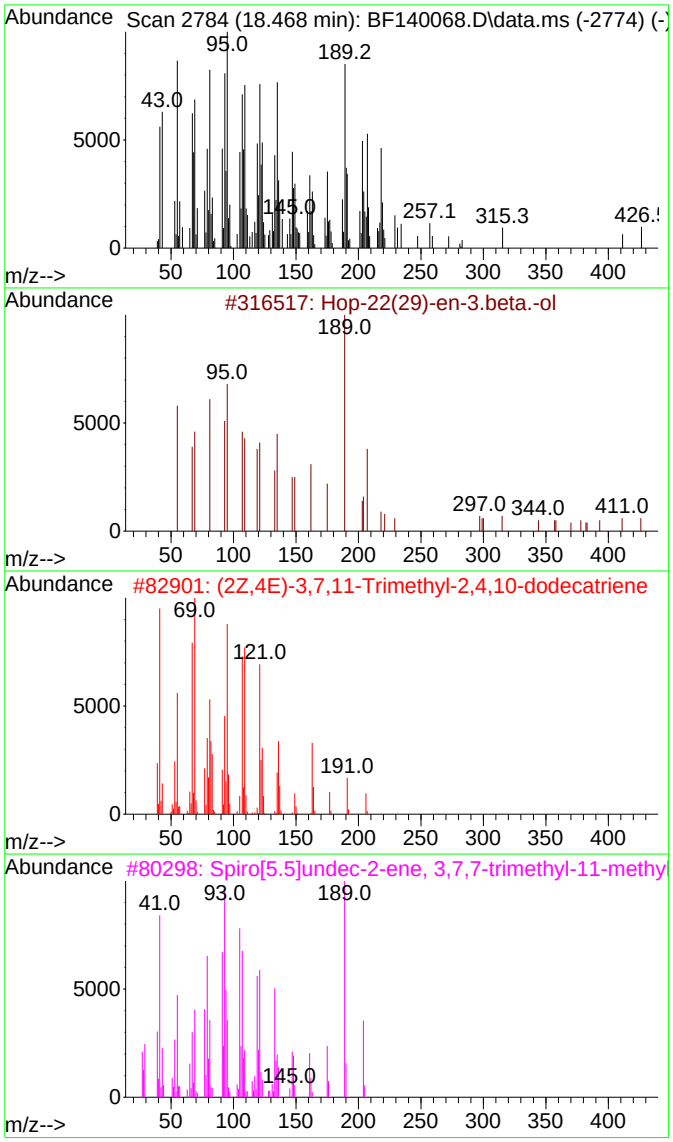
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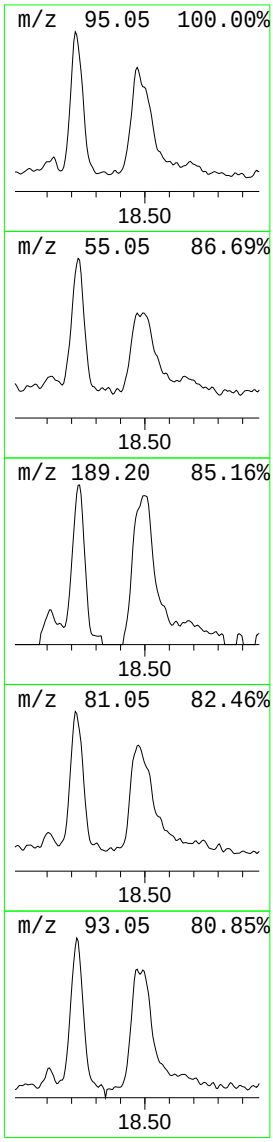
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Peak Number 11 Hop-22(29)-en-3.beta.-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	5.14 ng	201119	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	56
2	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	50
3	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	45
4	4,8-Methanoazulen-9-ol, decahydr...	222	C15H26O	004586-22-5	43
5	Thunbergol	290	C20H34O	025269-17-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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...	2.199	62.2	ng	2687910	1	6.886	864159	20.0
2-Pentanone, 4-...	5.116	4.7	ng	201982	1	6.886	864159	20.0
Benzophenone	10.633	4.2	ng	274371	3	9.922	1319690	20.0
n-Hexadecanoic ...	11.933	5.8	ng	395396	4	11.410	1357320	20.0
unknown12.021	12.021	4.2	ng	286626	4	11.410	1357320	20.0
1-Pentadecanethiol	13.892	2.1	ng	98021	5	14.045	926845	20.0
unknown17.286	17.286	2.8	ng	110459	6	15.527	782883	20.0
2H-Cyclopropa[a...	17.856	2.1	ng	82251	6	15.527	782883	20.0
.alpha.-Amyrone	18.227	11.8	ng	460872	6	15.527	782883	20.0
Hop-22(29)-en-3...	18.468	5.1	ng	201119	6	15.527	782883	20.0

Raw Data: **BF140063.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	410	ug/Kg
108-95-2	Phenol	100	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	210	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.6	U	99.6	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.3	U	50.3	99.8	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
78-59-1	Isophorone	110	U	110	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.2	U	94.2	210	ug/Kg
91-20-3	Naphthalene	210		100	210	ug/Kg
106-47-8	4-Chloroaniline	100	UQ	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
105-60-2	Caprolactam	110	U	110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.7	U	96.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	UQ	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.1	U	89.1	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.3	U	92.3	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg

Raw Data: **BF140063.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	99.9	U	99.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	210	ug/Kg
86-73-7	Fluorene	110	U	110	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98.4	U	98.4	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
1912-24-9	Atrazine	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	96.4	U	96.4	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	210	ug/Kg
120-12-7	Anthracene	110	U	110	210	ug/Kg
86-74-8	Carbazole	100	U	100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
218-01-9	Chrysene	99.2	U	99.2	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97.4	U	97.4	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.9	U	99.9	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.2	U	93.2	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (18) - 130 (107)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (10) - 130 (105)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.887			
1146-65-2	Naphthalene-d8	477000	8.169			
15067-26-2	Acenaphthene-d10	260000	9.928			
1517-22-2	Phenanthrene-d10	445000	11.41			
1719-03-5	Chrysene-d12	218000	14.051			
1520-96-3	Perylene-d12	237000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	3800	JB		2.22	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB		5.13	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	360	J		7.91	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	370	J		8.47	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	490	J		8.59	ug/Kg
000629-92-5	Nonadecane	1000	J		8.76	ug/Kg
000593-49-7	Heptacosane	710	J		9.13	ug/Kg

Raw Data: **BF140063.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
017312-55-9	Decane, 3,8-dimethyl-	590	J		9.17	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	920	J		9.19	ug/Kg
000544-76-3	Hexadecane	3900	J		9.33	ug/Kg
017312-74-2	Decane, 5-ethyl-5-methyl-	680	J		9.58	ug/Kg
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	1900	J		9.64	ug/Kg
018435-22-8	Tetradecane, 3-methyl-	330	J		9.70	ug/Kg
000629-78-7	Heptadecane	2700	J		9.86	ug/Kg
001120-21-4	Undecane	440	J		10.1	ug/Kg
007098-22-8	Tetratetracontane	470	J		10.2	ug/Kg
000629-50-5	Tridecane	1200	J		10.4	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	350	J		10.6	ug/Kg
026730-20-1	Hexadecane, 7-methyl-	500	J		10.8	ug/Kg
001599-67-3	1-Docosene	530	J		13.9	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\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Time: Oct 28 01:08:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

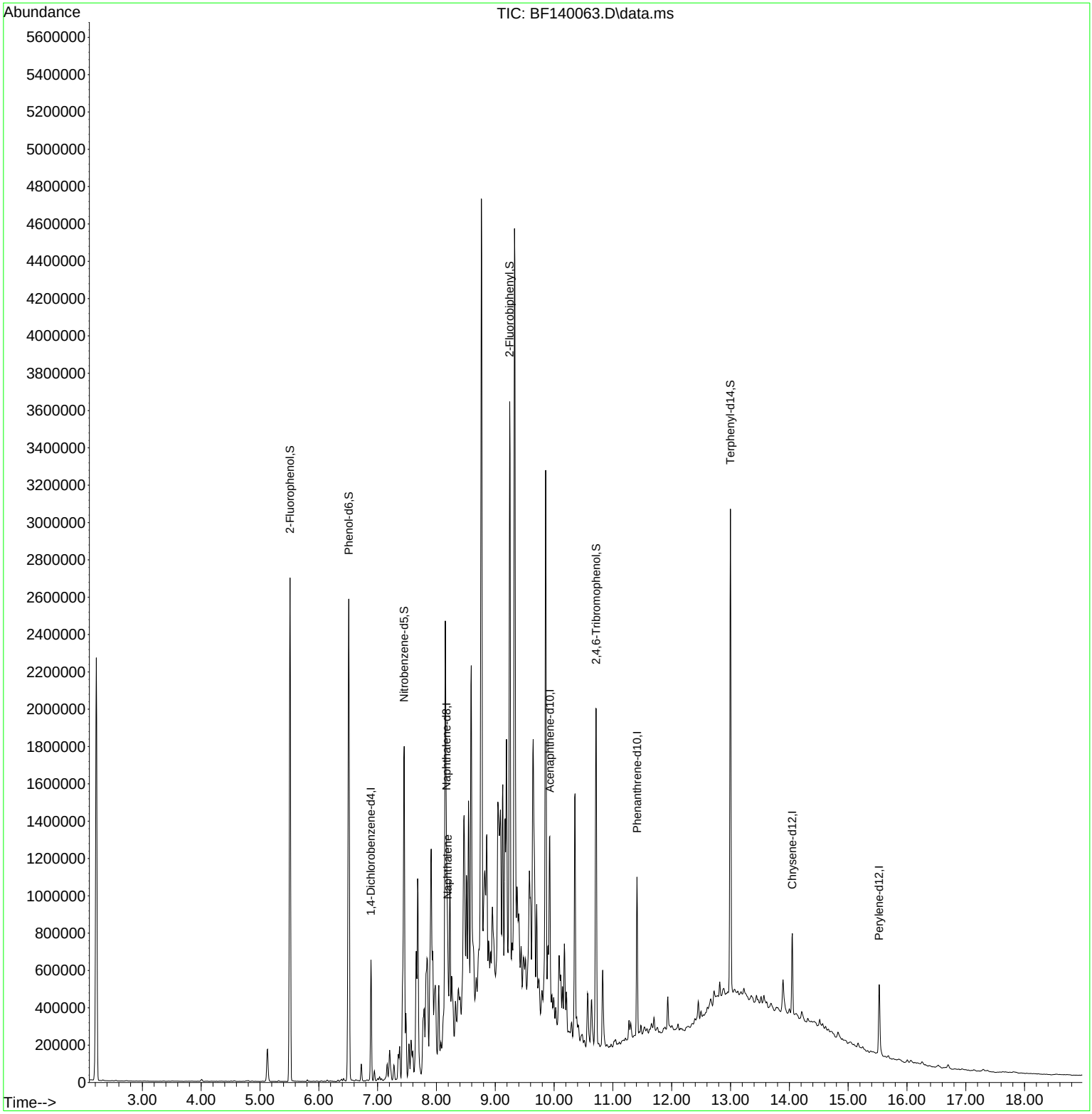
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	129197	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	476862	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	260201	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	444743	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217594	20.000	ng	0.00
86) Perylene-d12	15.527	264	237376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1049709	127.194	ng	0.01
7) Phenol-d6	6.510	99	1349554	126.259	ng	0.00
23) Nitrobenzene-d5	7.451	82	871333	101.271	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	348572	143.219	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1474289	93.641	ng	0.00
79) Terphenyl-d14	12.998	244	1342432	100.530	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.193	128	122370	4.976	ng	98

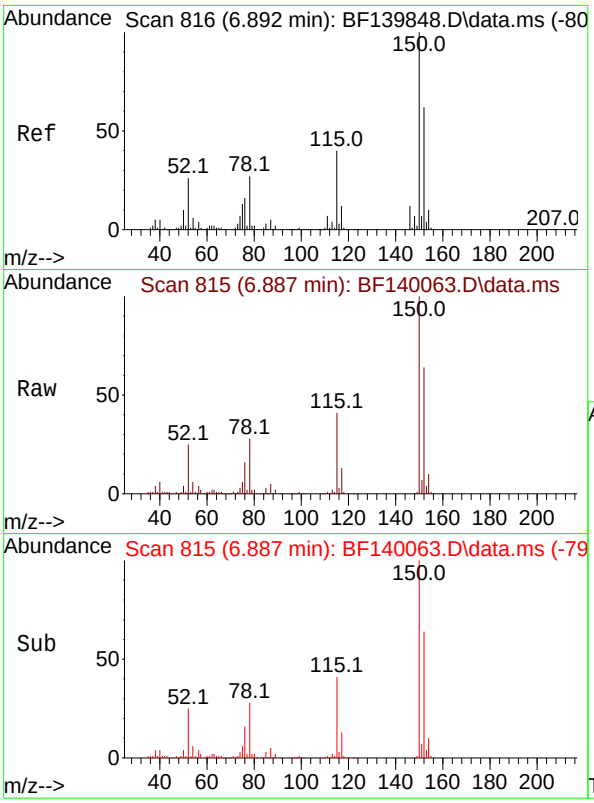
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Time: Oct 28 01:08:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



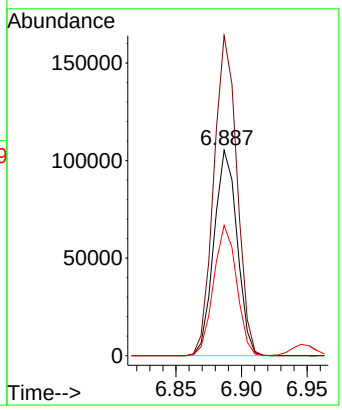


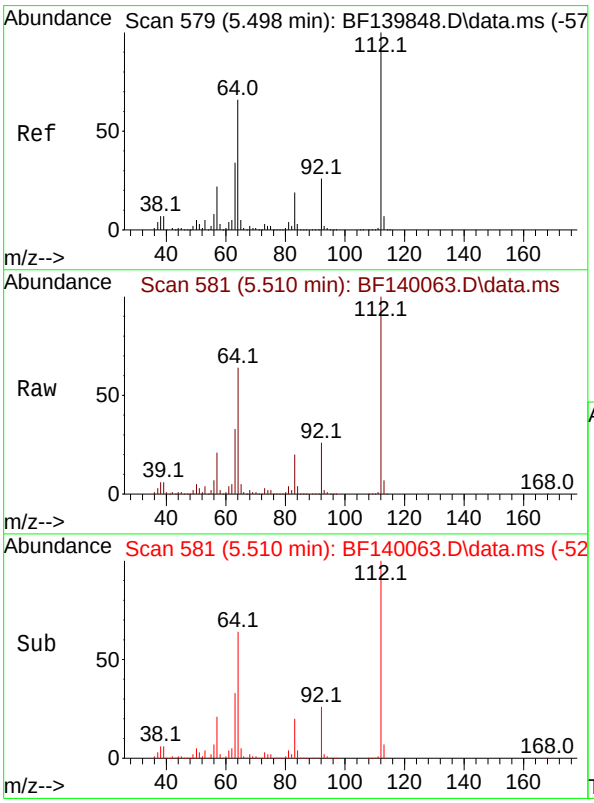
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:152 Resp: 129197

Ion	Ratio	Lower	Upper
152	100		
150	155.8	130.2	195.2
115	63.4	51.4	77.2

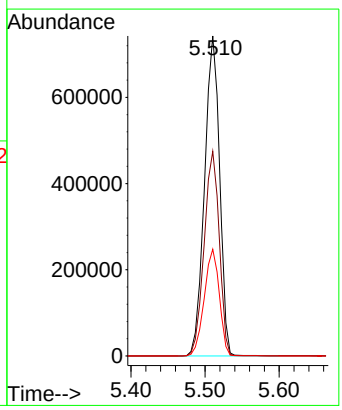


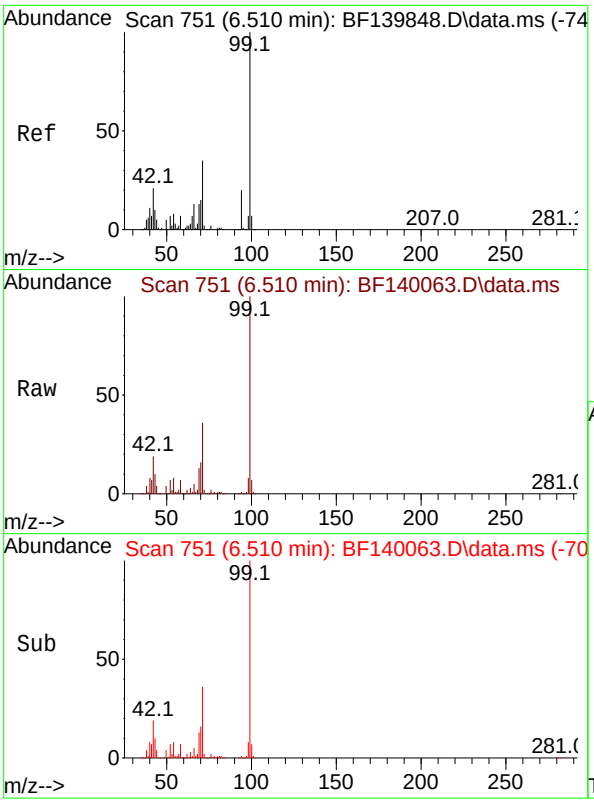


#5
2-Fluorophenol
Concen: 127.194 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:112 Resp: 1049709

Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.0	79.6
63	33.3	27.0	40.4



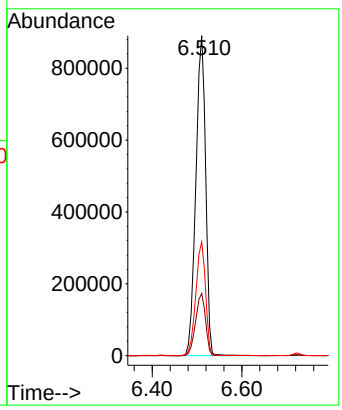


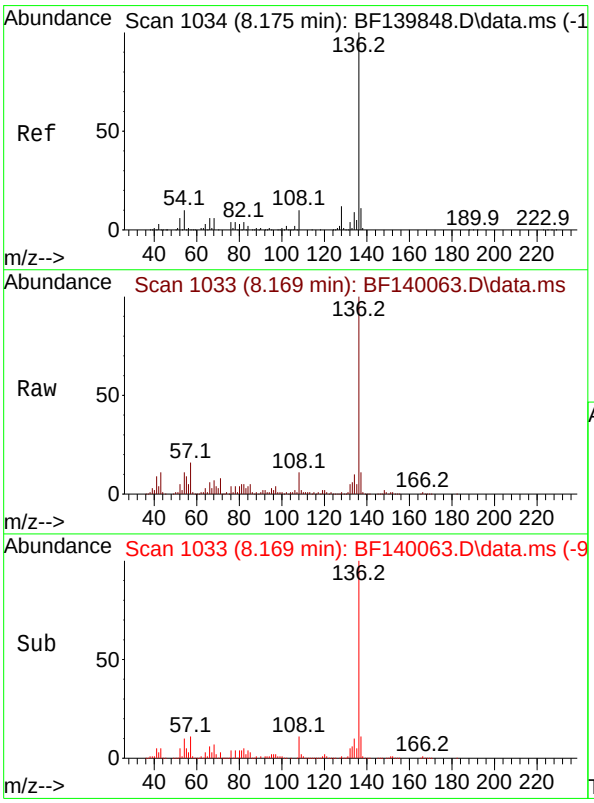
#7
Phenol-d6
Concen: 126.259 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion: 99 Resp: 1349554

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.7	25.1
71	35.6	27.7	41.5

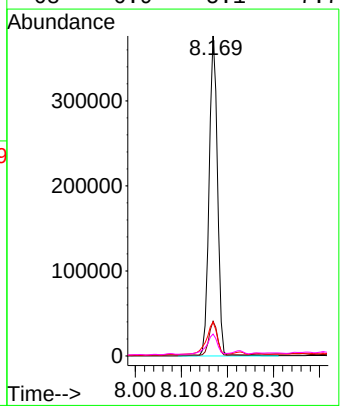


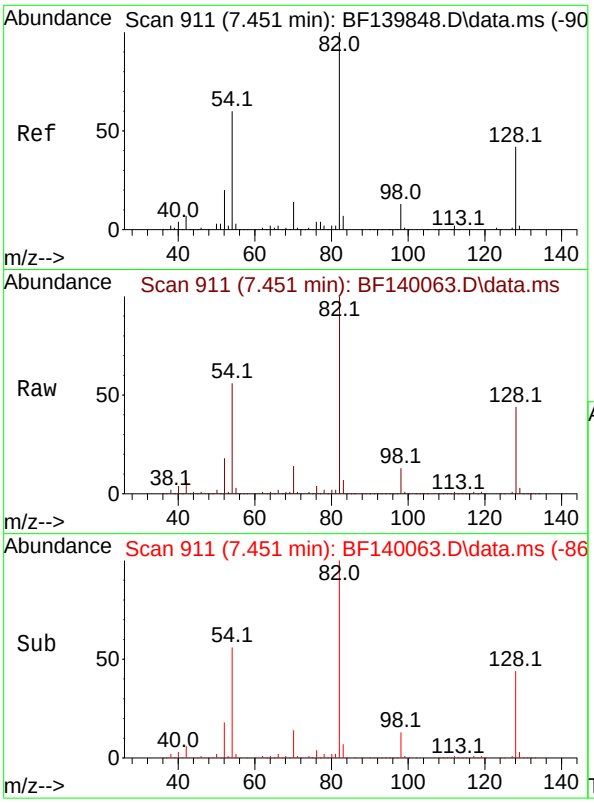


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:136 Resp: 476862

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.5	8.4	12.6
68	6.9	5.1	7.7



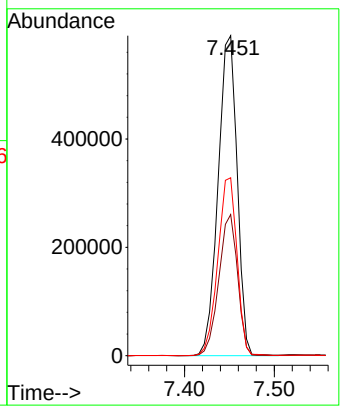


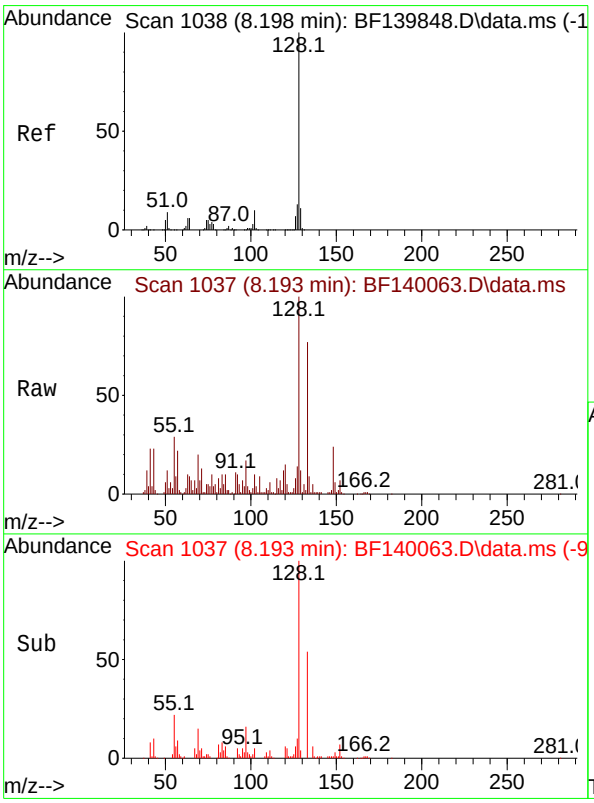
#23
Nitrobenzene-d5
Concen: 101.271 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion: 82 Resp: 871333

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.0
54	55.6	47.8	71.8

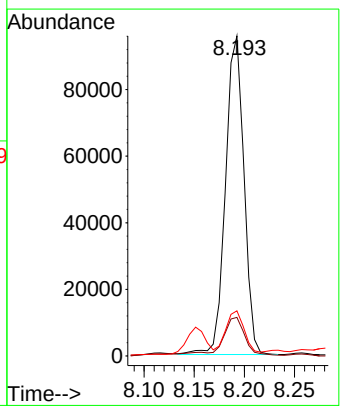


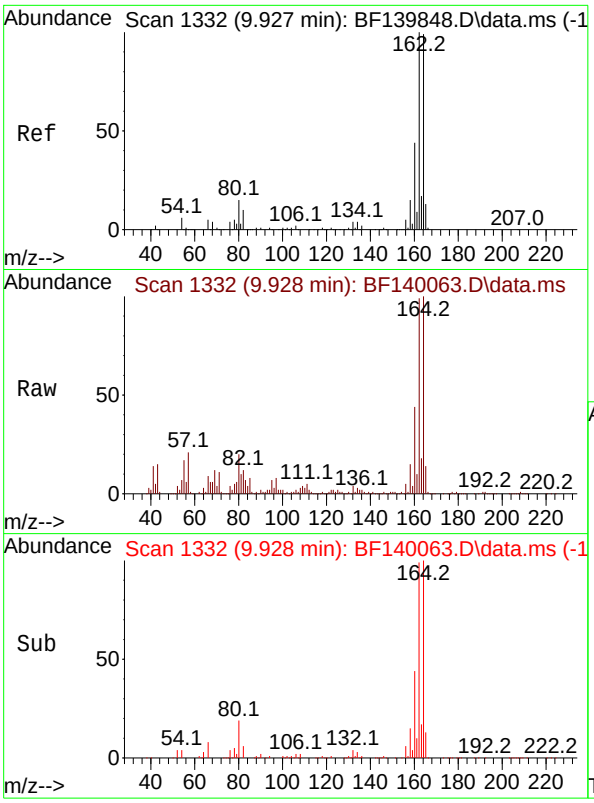


#31
Naphthalene
Concen: 4.976 ng
RT: 8.193 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:128 Resp: 122370

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.9	13.3
127	14.1	10.6	16.0



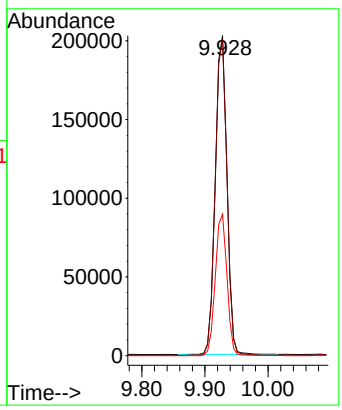


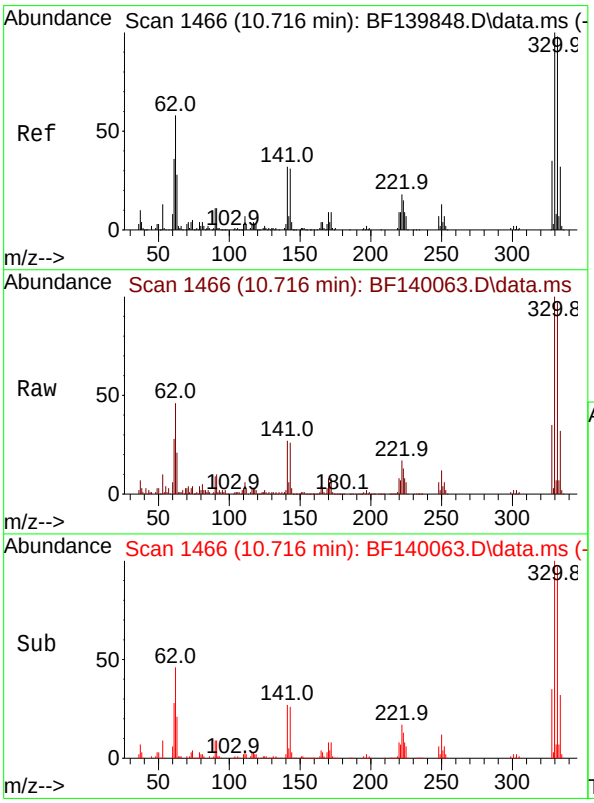
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:164 Resp: 260201

Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.0	121.4
160	44.2	35.4	53.0

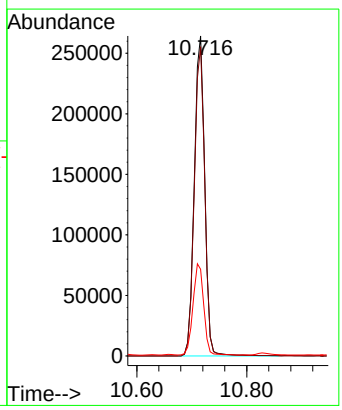


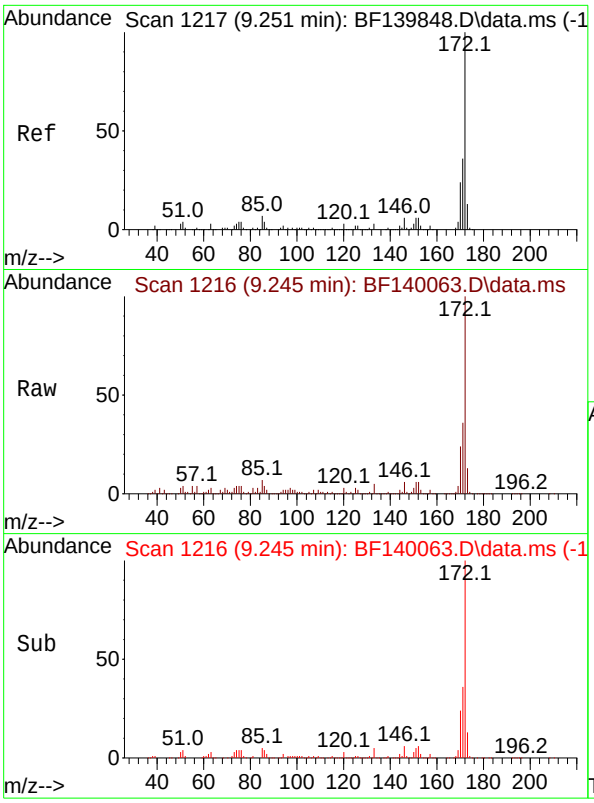


#42
2,4,6-Tribromophenol
Concen: 143.219 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:330 Resp: 348572

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.1	117.1
141	29.1	26.6	39.8



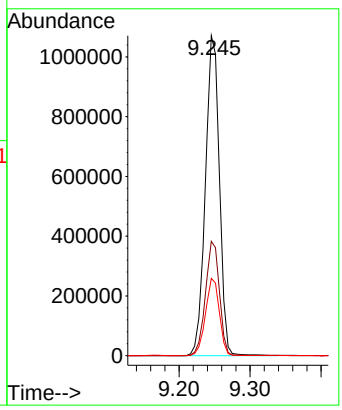


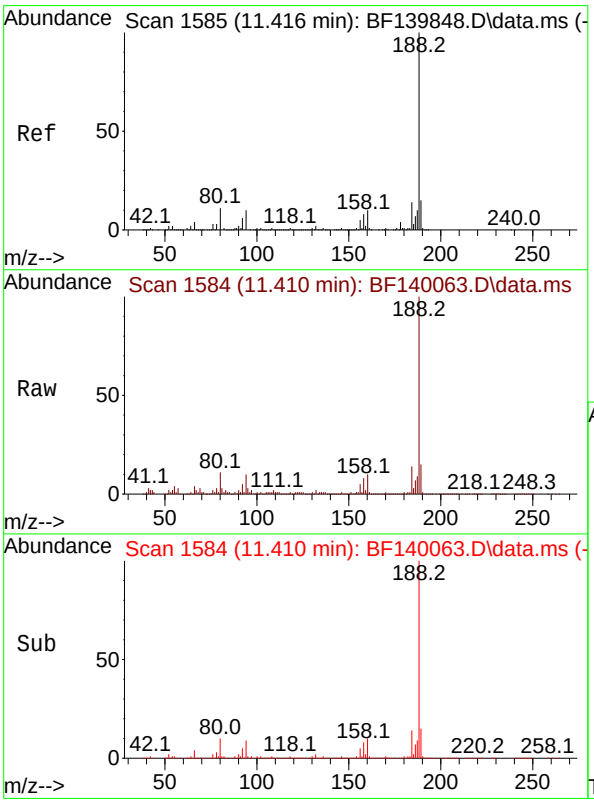
#45
2-Fluorobiphenyl
Concen: 93.641 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:172 Resp: 1474289

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.2	19.1	28.7

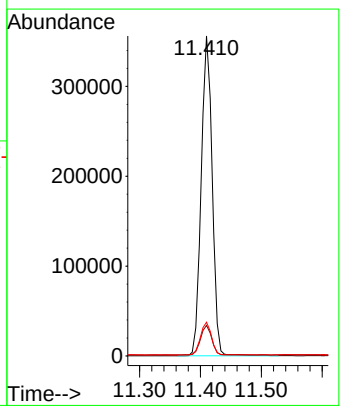


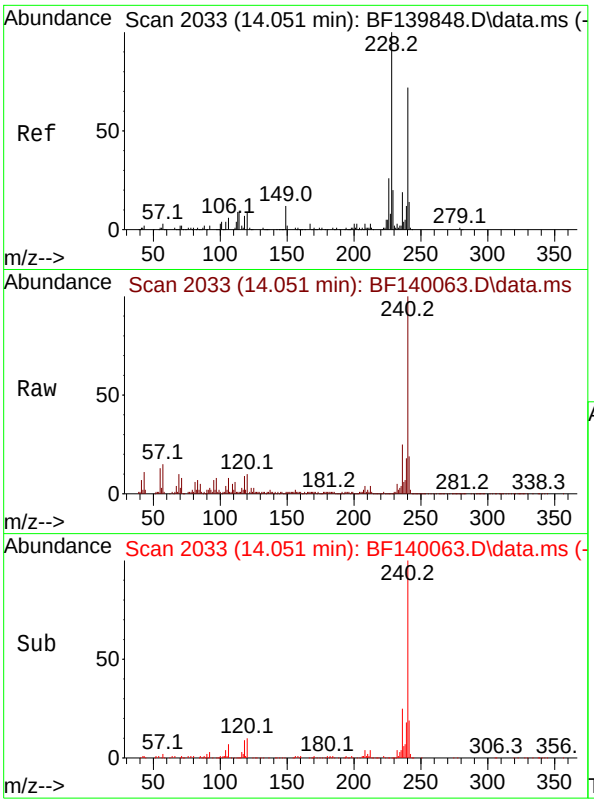


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:188 Resp: 444743

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.9	11.9
80	10.5	9.0	13.4



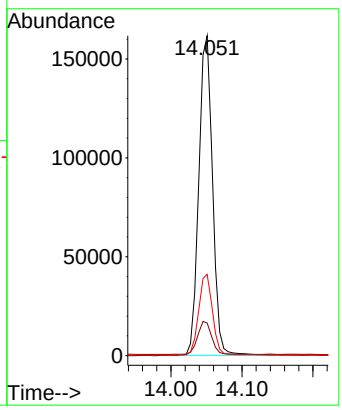


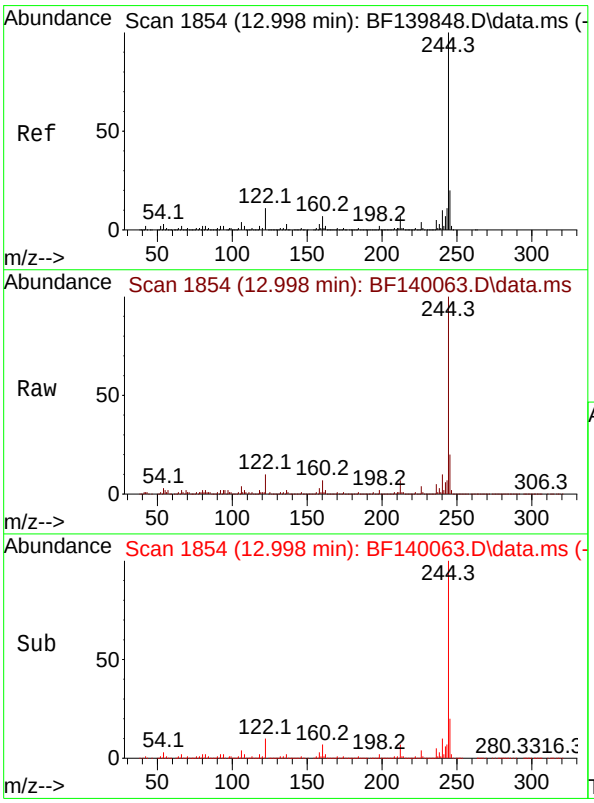
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:240 Resp: 217594

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.4	14.2
236	25.4	20.9	31.3

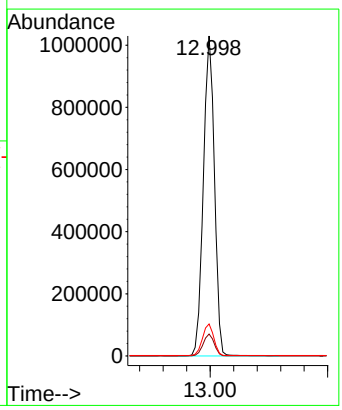


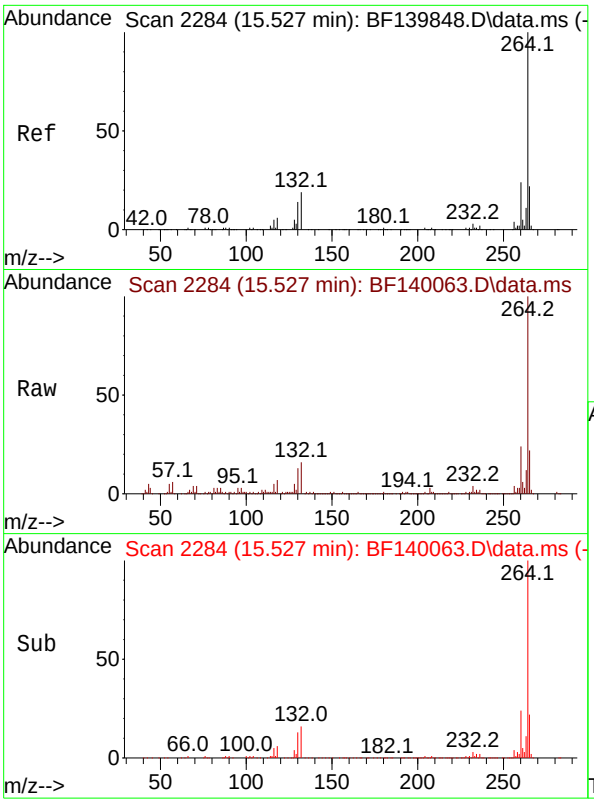


#79
Terphenyl-d14
Concen: 100.530 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:244 Resp: 1342432

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.0	8.6	13.0



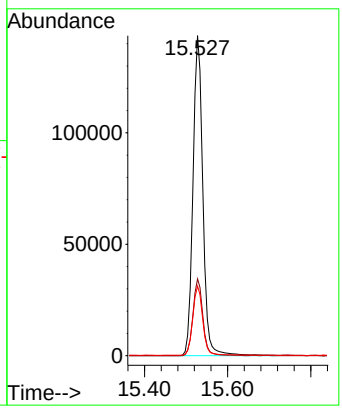


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:264 Resp: 237376

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.4	26.0



Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	12	21	29	rVB	2264683	3690545	56.07%	4.074%
2	5.128	506	516	527	rVB	172362	297618	4.52%	0.329%
3	5.510	574	581	586	rBV	2698702	3815440	57.97%	4.212%
4	6.510	742	751	756	rBV	2583092	3938365	59.84%	4.348%
5	6.722	782	787	795	rVB	91507	115067	1.75%	0.127%
6	6.887	807	815	821	rVV	645871	811483	12.33%	0.896%
7	7.163	851	862	865	rBV2	87230	144868	2.20%	0.160%
8	7.204	865	869	877	rVB2	159915	275748	4.19%	0.304%
9	7.275	877	881	886	rBV2	79898	113603	1.73%	0.125%
10	7.351	889	894	896	rBV	134873	189934	2.89%	0.210%
11	7.375	896	898	902	rVB	167868	175576	2.67%	0.194%
12	7.451	902	911	914	rBV2	1775475	3194836	48.54%	3.527%
13	7.481	914	916	920	rVB	341078	369869	5.62%	0.408%
14	7.534	920	925	928	rBV3	176379	251744	3.83%	0.278%
15	7.569	928	931	934	rBV	154740	198440	3.02%	0.219%
16	7.598	934	936	939	rVB3	110881	112533	1.71%	0.124%
17	7.657	939	946	948	rBV	646999	1011972	15.38%	1.117%
18	7.681	948	950	960	rVB	1046453	1383367	21.02%	1.527%
19	7.793	960	969	971	rBV3	350029	835748	12.70%	0.923%
20	7.840	971	977	982	rVV4	530622	1329425	20.20%	1.468%
21	7.910	982	989	992	rVV4	1104720	2270232	34.49%	2.506%
22	7.981	996	1001	1007	rVB4	369094	833041	12.66%	0.920%
23	8.040	1007	1011	1015	rBV	366794	447184	6.79%	0.494%
24	8.151	1020	1030	1040	rBV4	2288541	5282279	80.26%	5.832%
25	8.228	1040	1043	1046	rVV	689975	798898	12.14%	0.882%
26	8.257	1046	1048	1056	rVB3	322920	597439	9.08%	0.660%
27	8.322	1056	1059	1063	rBV	188367	292439	4.44%	0.323%
28	8.375	1064	1068	1071	rBV3	159710	279672	4.25%	0.309%
29	8.469	1076	1084	1089	rBV4	1066547	2363528	35.91%	2.609%
30	8.510	1089	1091	1094	rVV2	703400	893973	13.58%	0.987%
31	8.545	1094	1097	1101	rVV	1090987	1493251	22.69%	1.649%
32	8.592	1101	1105	1115	rVB	1792704	3086280	46.89%	3.407%
33	8.722	1122	1127	1128	rBV2	227904	352657	5.36%	0.389%
34	8.763	1128	1134	1139	rVV	4214229	6581539	100.00%	7.266%
35	8.822	1139	1144	1147	rVV4	572584	1349531	20.50%	1.490%
36	8.857	1147	1150	1153	rVV	739570	988040	15.01%	1.091%

Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.887	1153	1155	1158	rVB4	148071	155142	2.36%	0.171%
38	8.951	1163	1166	1175	rVB5	372258	748260	11.37%	0.826%
39	9.045	1178	1182	1186	rBV2	848123	1708930	25.97%	1.887%
40	9.128	1193	1196	1199	rVB	916558	1043743	15.86%	1.152%
41	9.169	1199	1203	1204	rBV	733841	874818	13.29%	0.966%
42	9.192	1204	1207	1211	rVB	1144117	1359038	20.65%	1.500%
43	9.245	1211	1216	1221	rVB	2986717	4012101	60.96%	4.429%
44	9.328	1225	1230	1235	rBV	3867149	5738015	87.18%	6.335%
45	9.369	1235	1237	1240	rVB3	183985	191750	2.91%	0.212%
46	9.481	1253	1256	1259	rBV3	150129	238289	3.62%	0.263%
47	9.581	1269	1273	1279	rVV2	482615	1011587	15.37%	1.117%
48	9.645	1279	1284	1291	rVV3	1287201	2785003	42.32%	3.075%
49	9.704	1291	1294	1297	rVB	450412	488909	7.43%	0.540%
50	9.792	1306	1309	1312	rBV	115035	172563	2.62%	0.191%
51	9.857	1313	1320	1324	rVV	2881866	4052040	61.57%	4.474%
52	9.898	1324	1327	1328	rVV3	318429	400537	6.09%	0.442%
53	9.928	1328	1332	1336	rVB	890494	1228115	18.66%	1.356%
54	10.087	1354	1359	1362	rBV	371728	651149	9.89%	0.719%
55	10.139	1366	1368	1371	rVV	221032	294482	4.47%	0.325%
56	10.175	1371	1374	1378	rVV3	460082	687456	10.45%	0.759%
57	10.210	1378	1380	1384	rVB	213074	229827	3.49%	0.254%
58	10.357	1399	1405	1408	rBV	1290019	1738634	26.42%	1.919%
59	10.569	1436	1441	1448	rBV	285877	514269	7.81%	0.568%
60	10.639	1448	1453	1459	rVV2	244036	439336	6.68%	0.485%
61	10.710	1459	1465	1472	rVB	1798714	2539394	38.58%	2.804%
62	10.828	1480	1485	1494	rVB	407563	647723	9.84%	0.715%
63	11.275	1558	1561	1563	rBV	92068	108756	1.65%	0.120%
64	11.410	1579	1584	1589	rBV	850530	1068276	16.23%	1.179%
65	11.933	1669	1673	1682	rBV2	172798	254161	3.86%	0.281%
66	12.998	1849	1854	1862	rVB	2589078	3403612	51.71%	3.758%
67	13.892	2003	2006	2019	rVB	180937	371015	5.64%	0.410%
68	14.051	2029	2033	2039	rVB	434464	578612	8.79%	0.639%
69	15.527	2279	2284	2299	rVB	385891	675906	10.27%	0.746%

Sum of corrected areas: 90577612

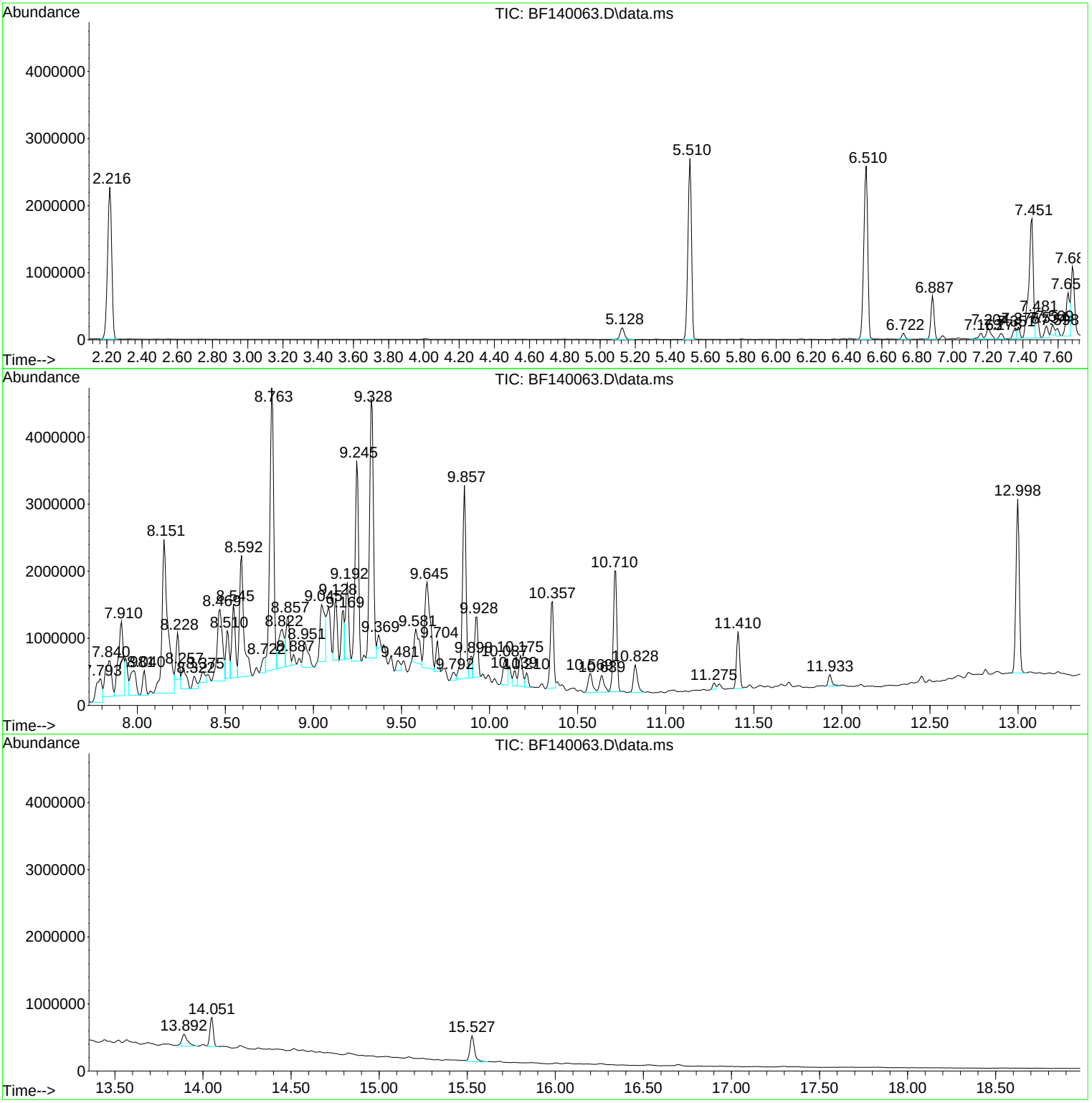
Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

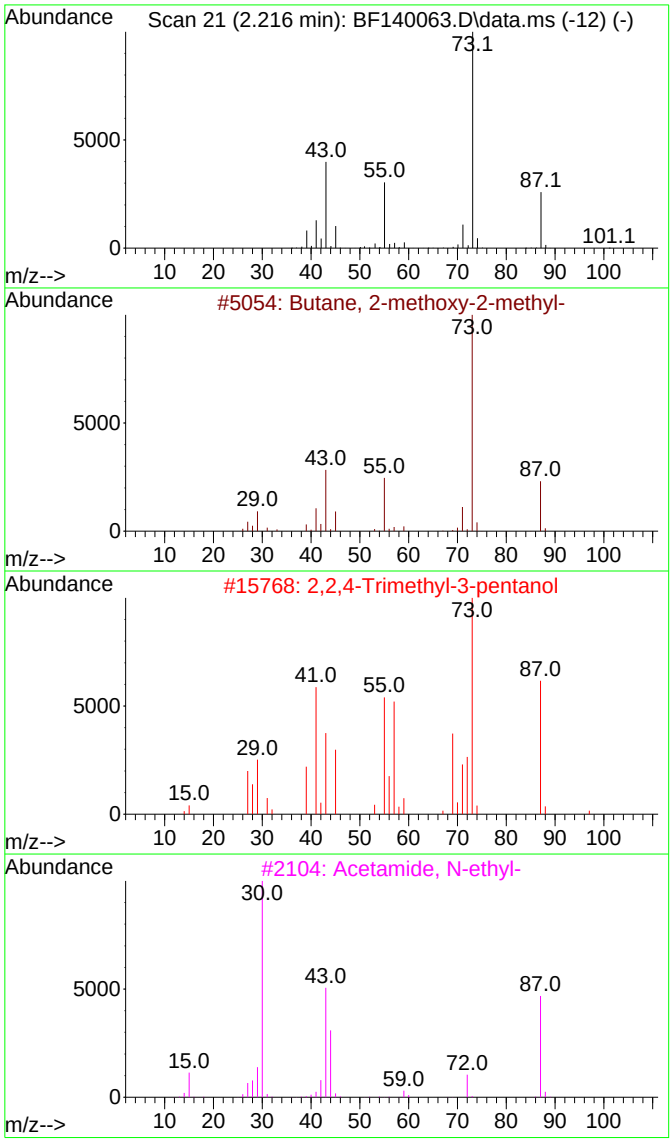
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TIC Integration Parameters: LSCINT.P

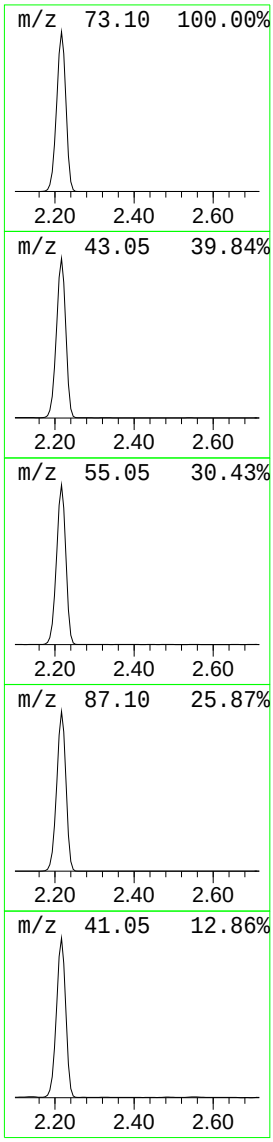
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.216	90.96 ng	3690550	1,4-Dichlorobenzene-d4	6.887

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

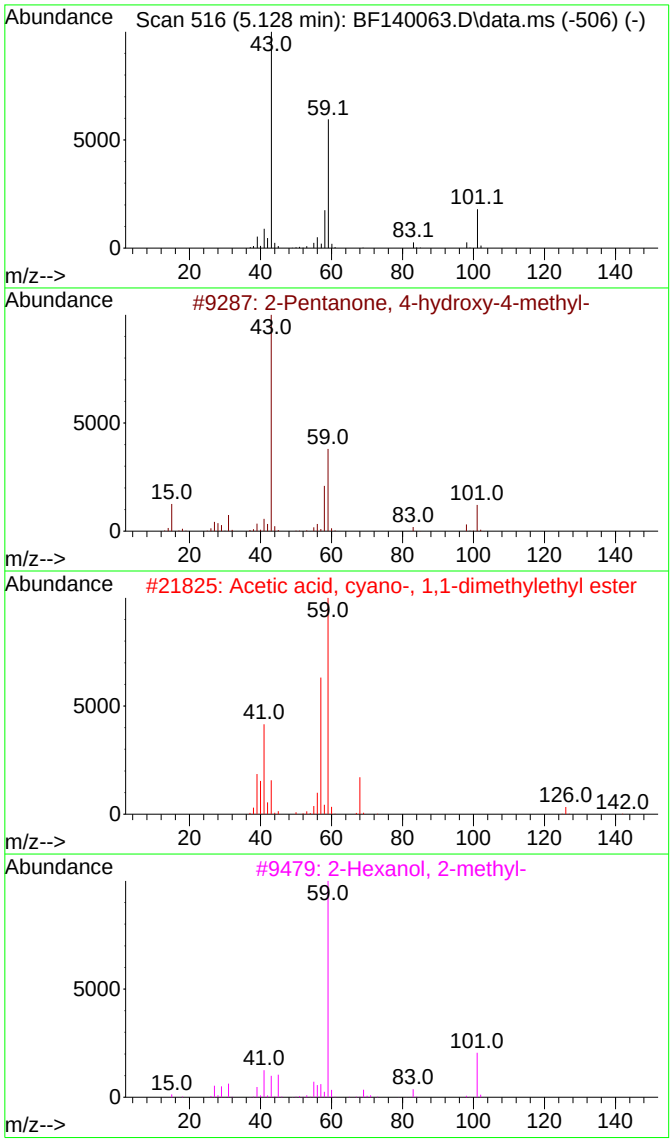
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

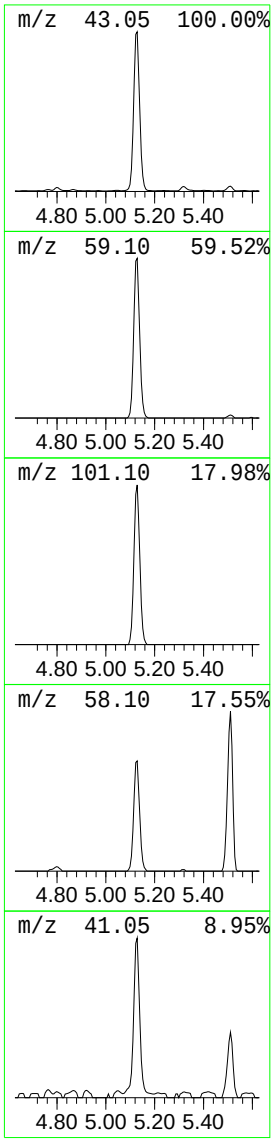
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	7.34 ng	297618	1,4-Dichlorobenzene-d4	6.887

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
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\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

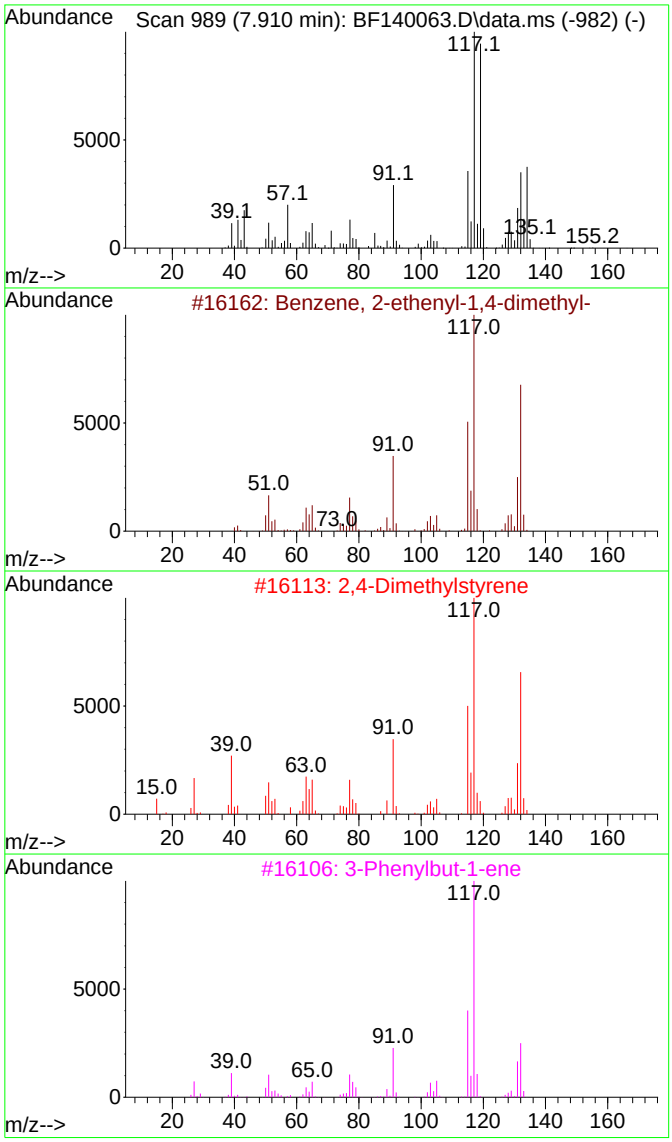
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

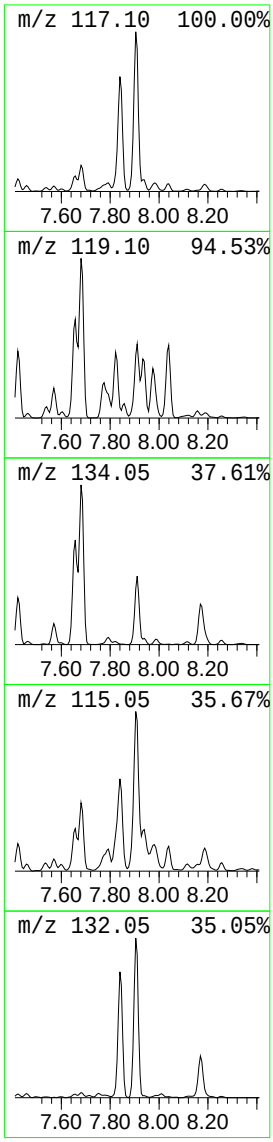
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Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	8.60 ng	2270230	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55





Sample Results: **BF140063.D**

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Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

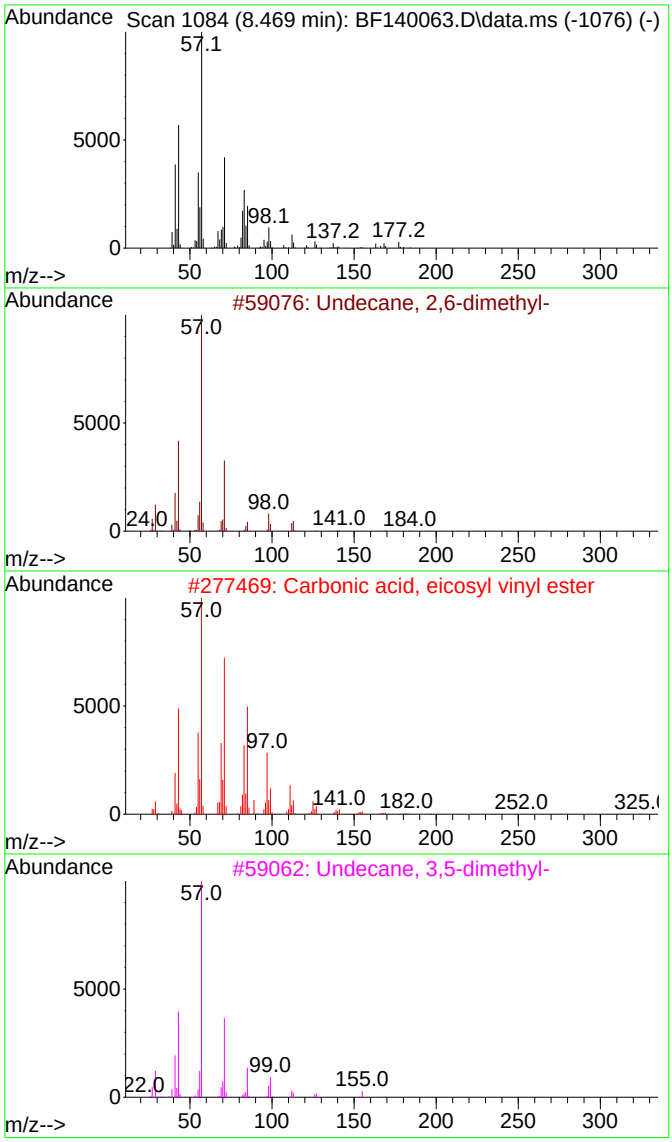
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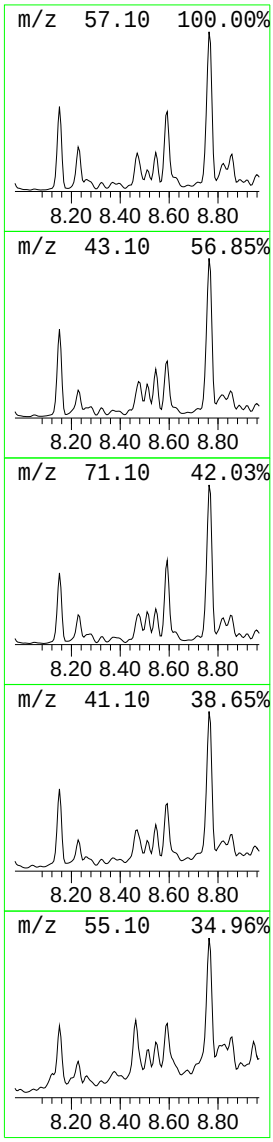
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Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	8.95 ng	2363530	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	53
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	49
4	Undecane	156	C11H24	001120-21-4	47
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	47





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Data File : BF140063.D
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Operator : RC/JU
Sample : P4460-03
Misc :
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Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

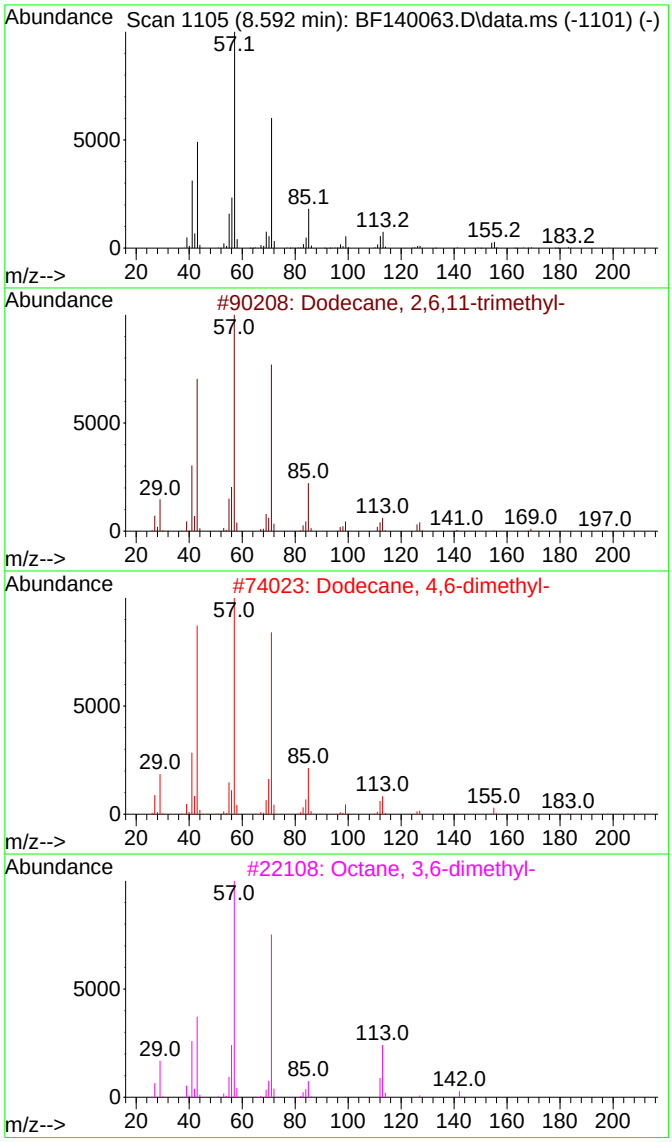
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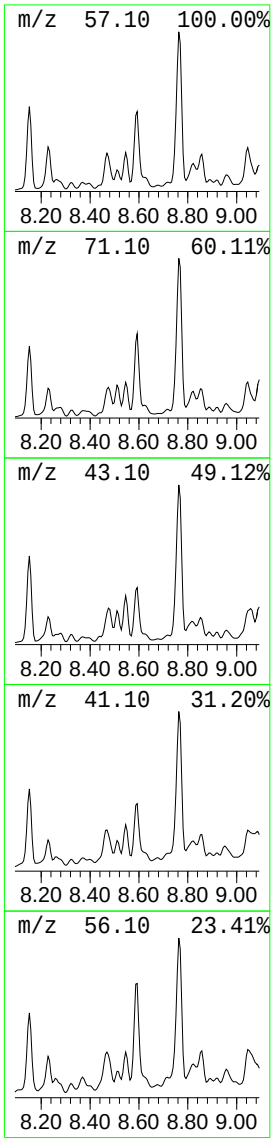
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.592	11.69 ng	3086280	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	76
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

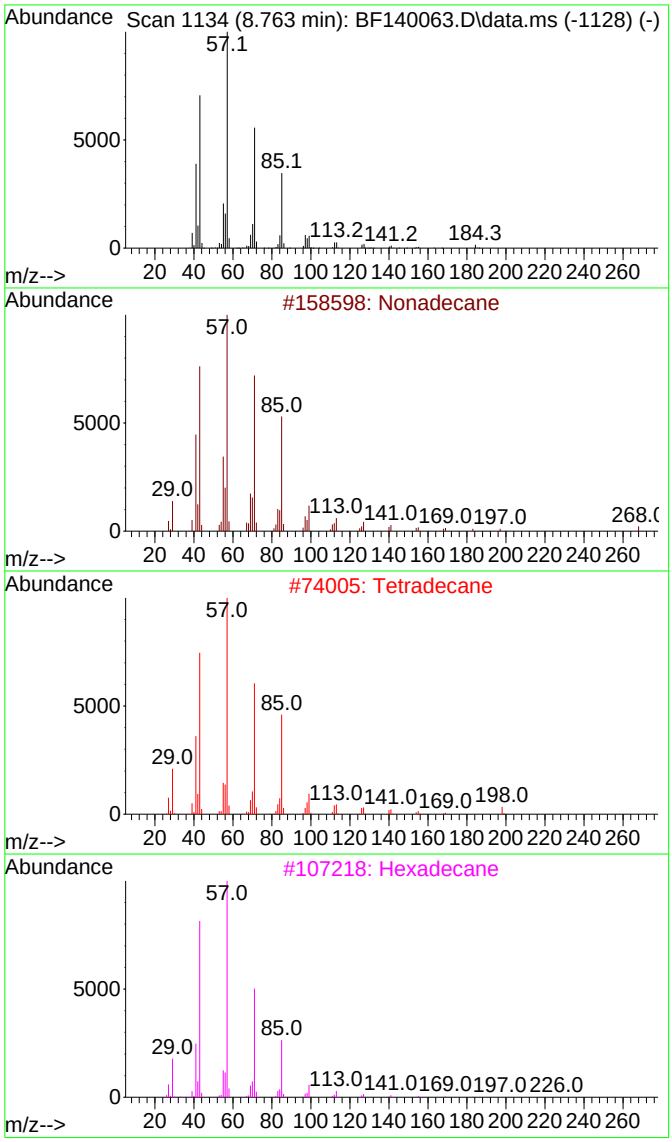
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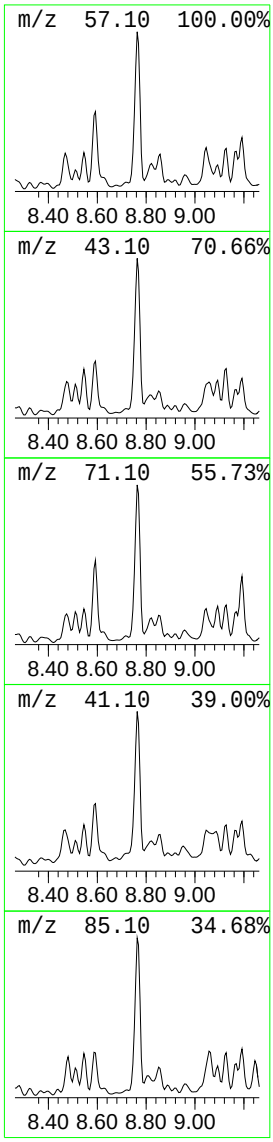
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Peak Number 6 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.763	24.92 ng	6581540	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tridecane	184	C13H28	000629-50-5	81
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

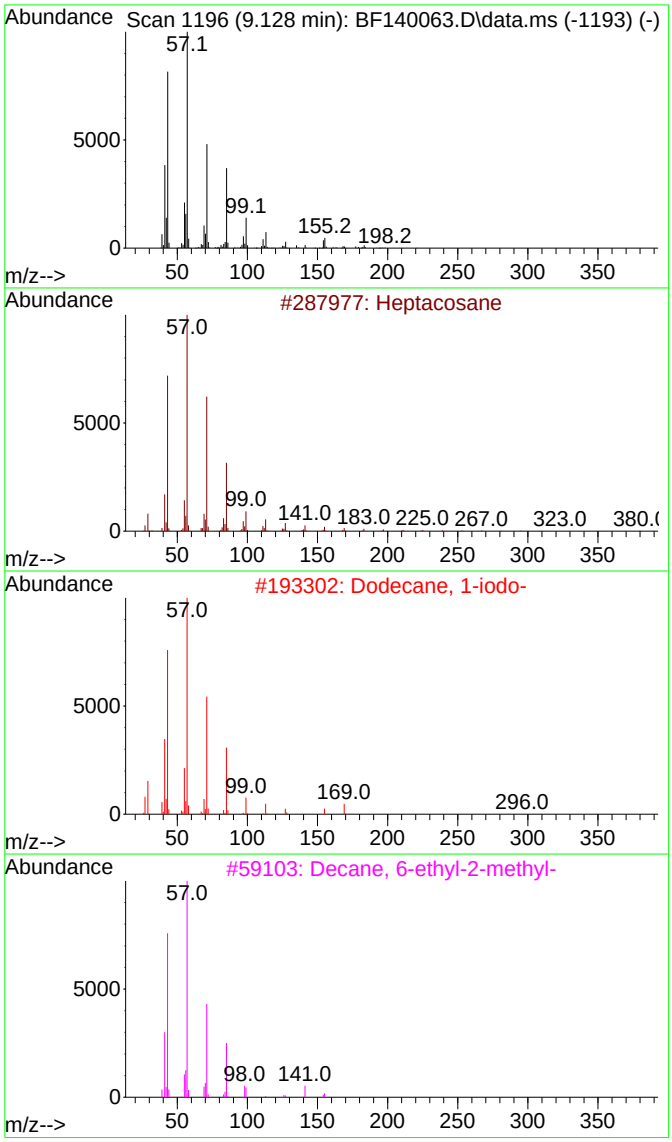
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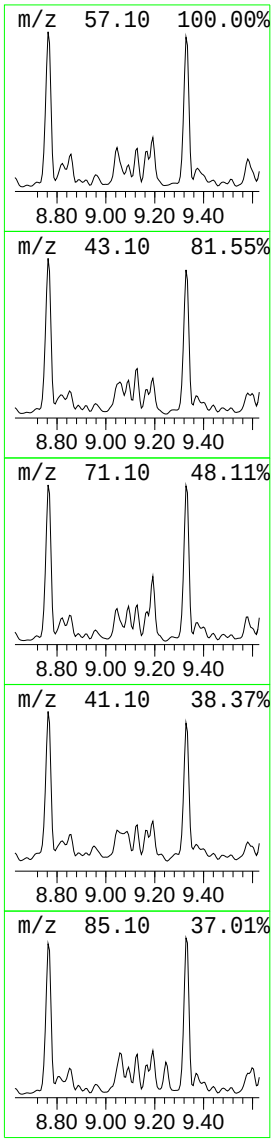
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Peak Number 7 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	17.00 ng	1043740	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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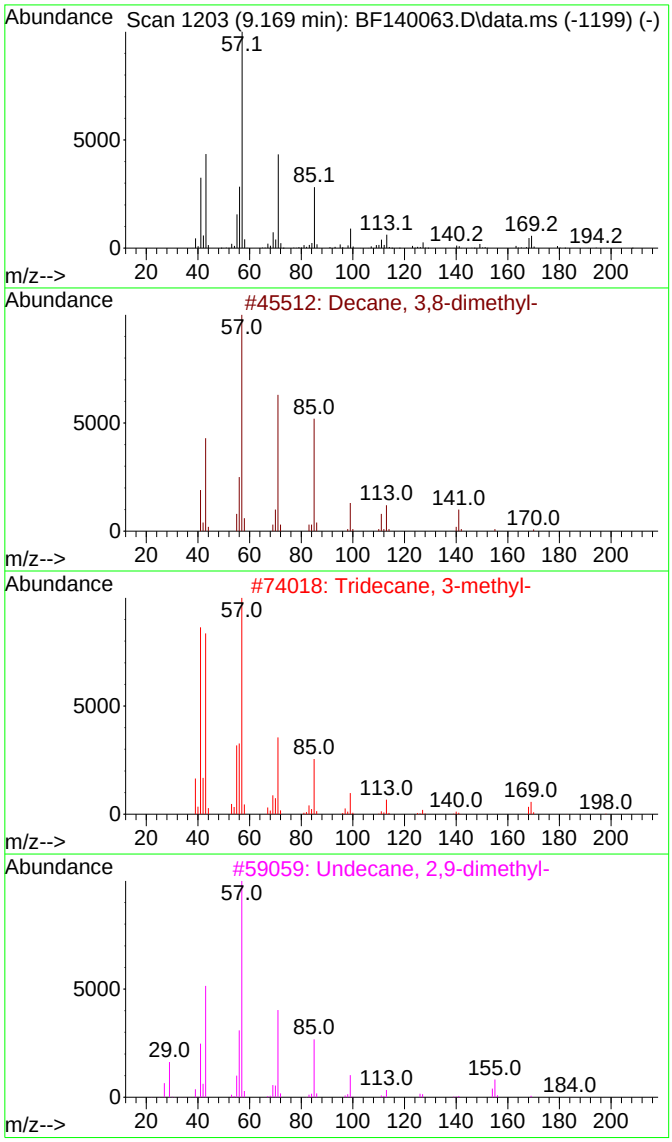
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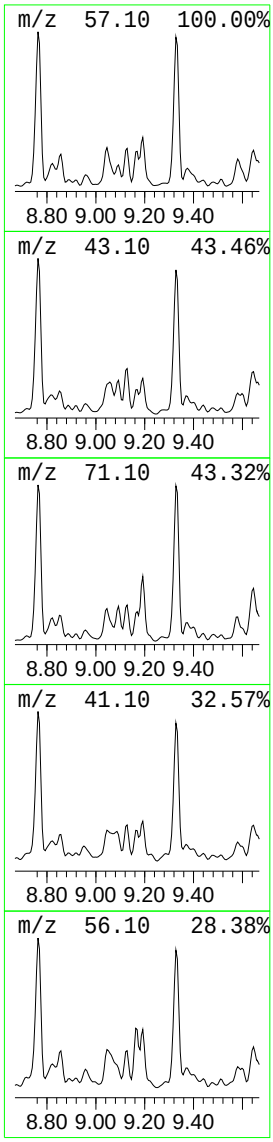
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Peak Number 8 Decane, 3,8-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.169	14.25 ng	874818	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	83
3	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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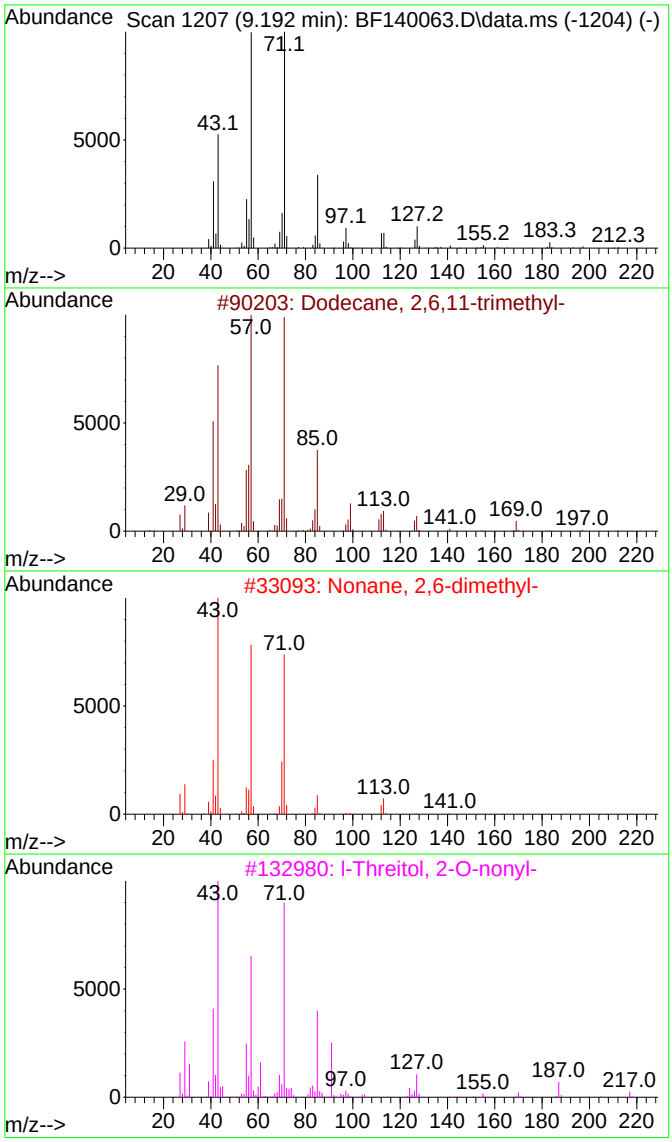
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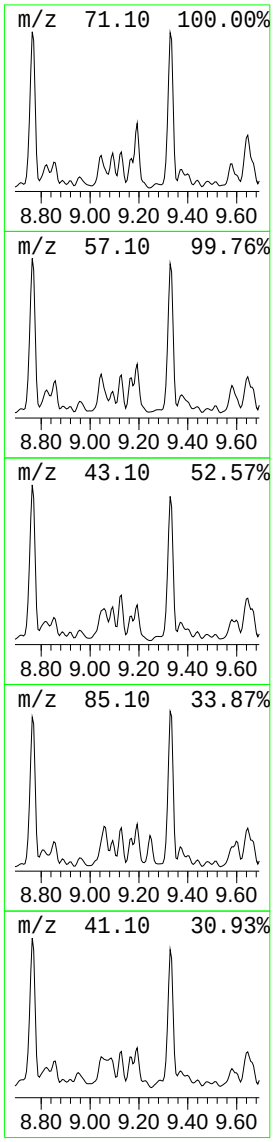
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Peak Number 9 Nonane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.192	22.13 ng	1359040	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3	l-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	59
4	Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	59
5	3-(Octyloxy)-1,2-propanediol	204	C11H24O3	010438-94-5	53





Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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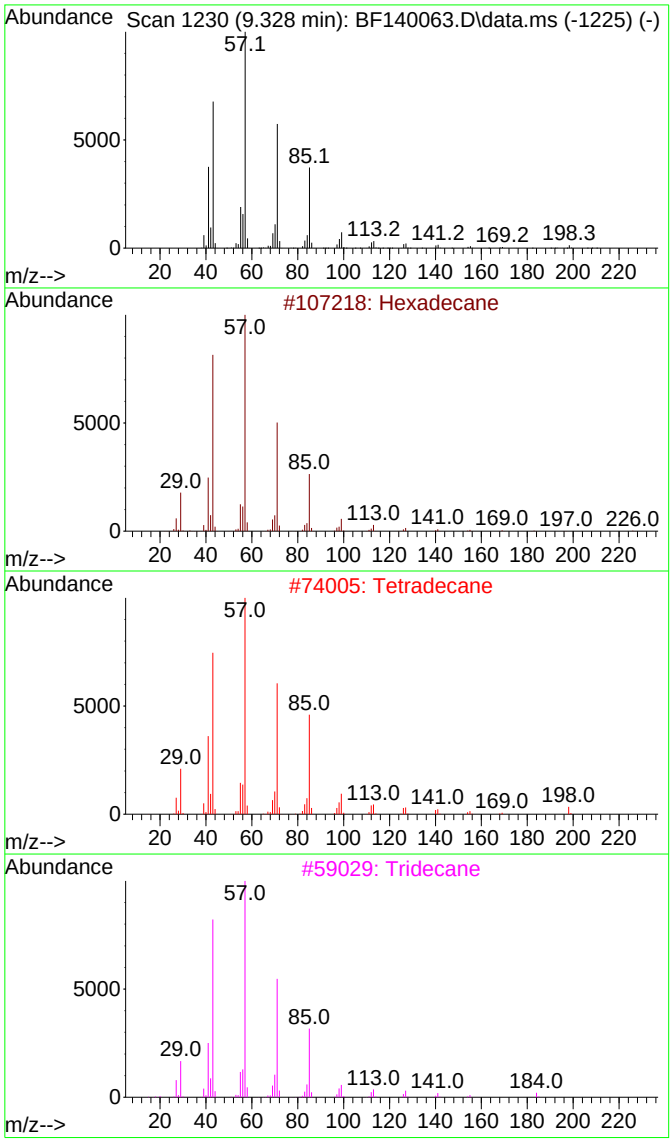
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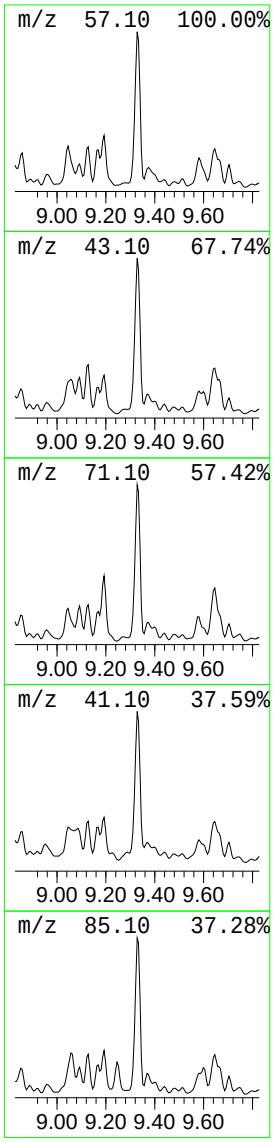
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Peak Number 10 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	93.44 ng	5738020	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tridecane	184	C13H28	000629-50-5	86
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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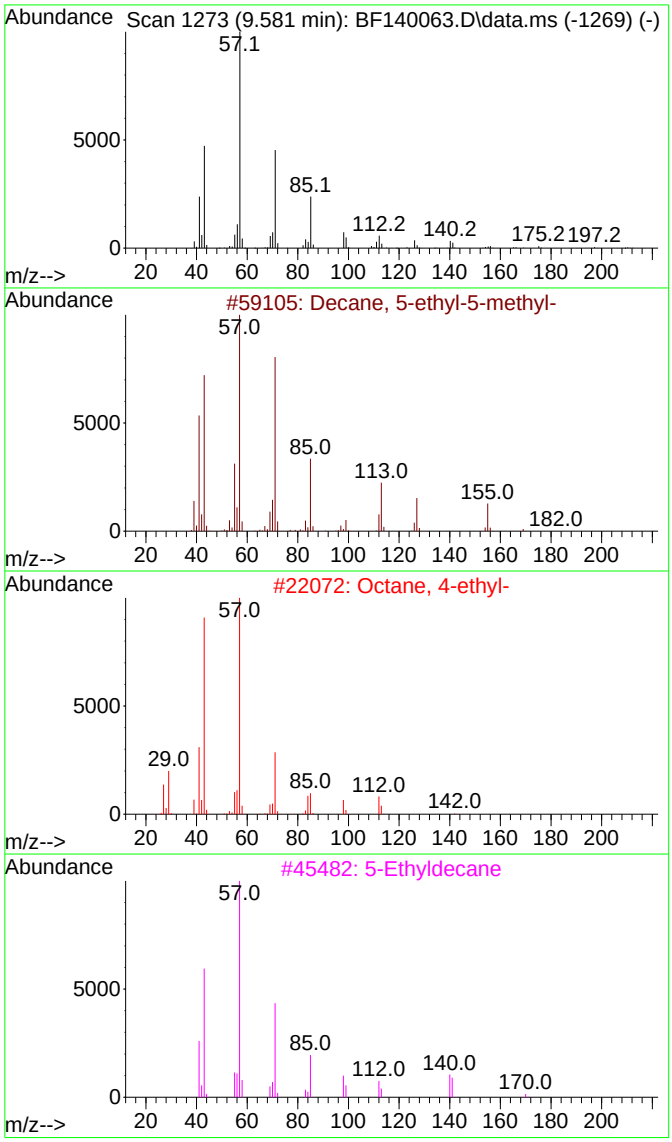
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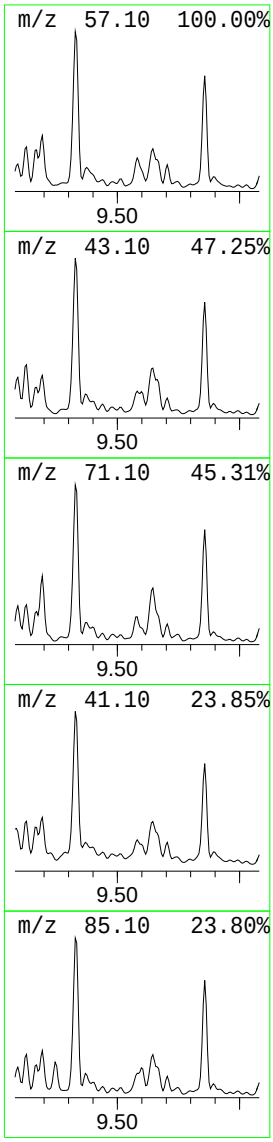
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Peak Number 11 Decane, 5-ethyl-5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	16.47 ng	1011590	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	72
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3	5-Ethyldecane	170	C12H26	017302-36-2	64
4	Decane, 5-propyl-	184	C13H28	017312-62-8	59
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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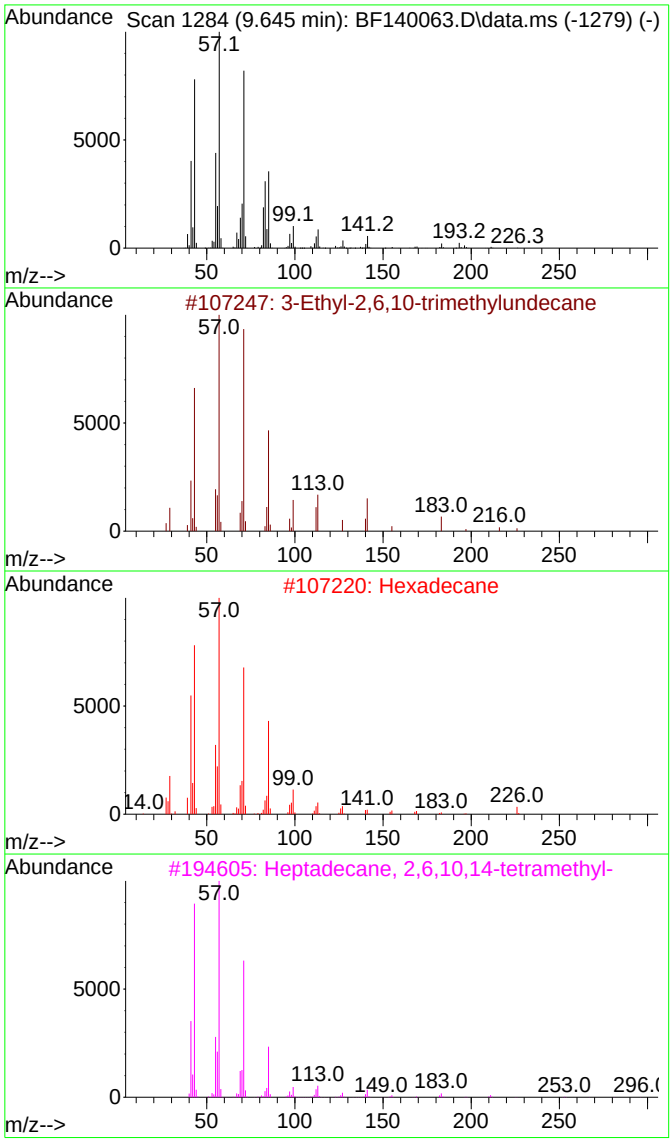
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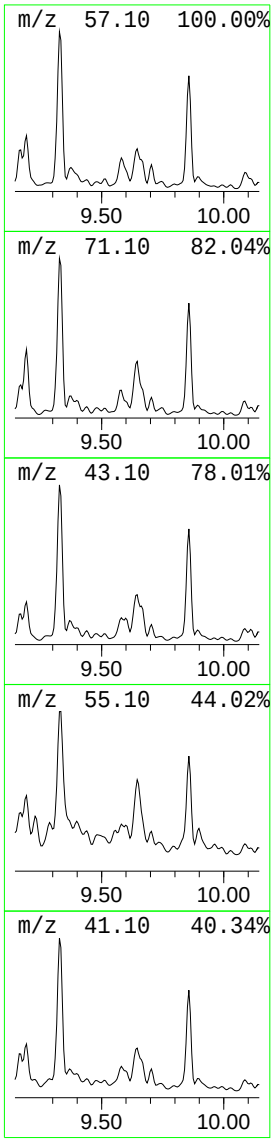
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Peak Number 12 3-Ethyl-2,6,10-trimethylund... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.645	45.35 ng	2785000	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	90
2	Hexadecane	226	C16H34	000544-76-3	74
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
4	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	72
5	Decane, 5-propyl-	184	C13H28	017312-62-8	70





Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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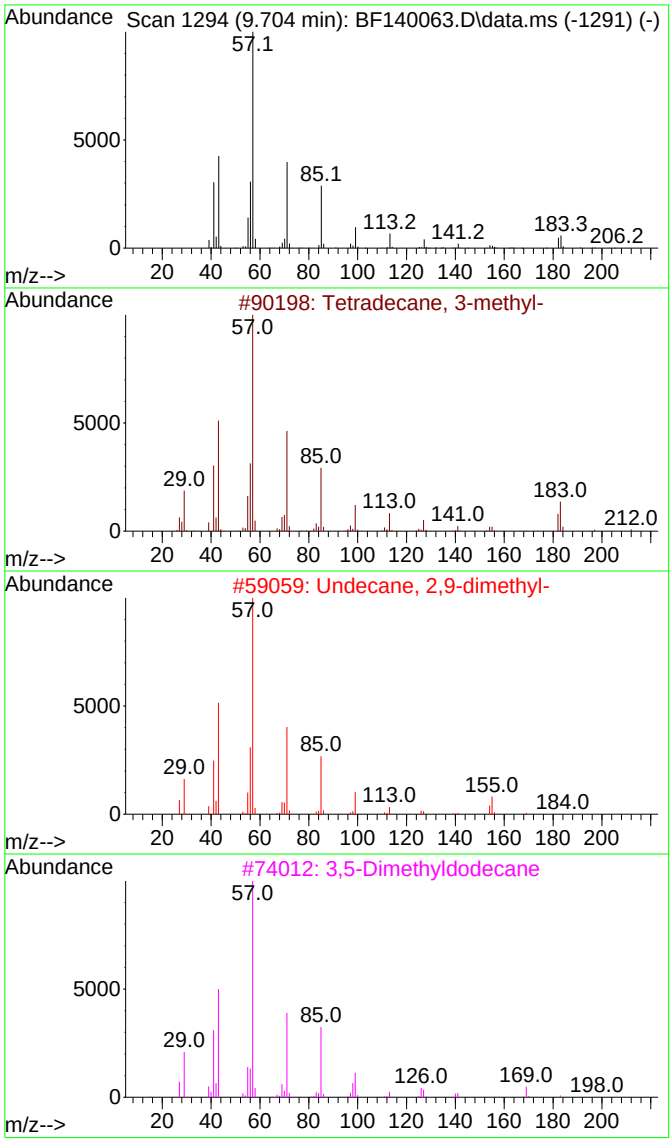
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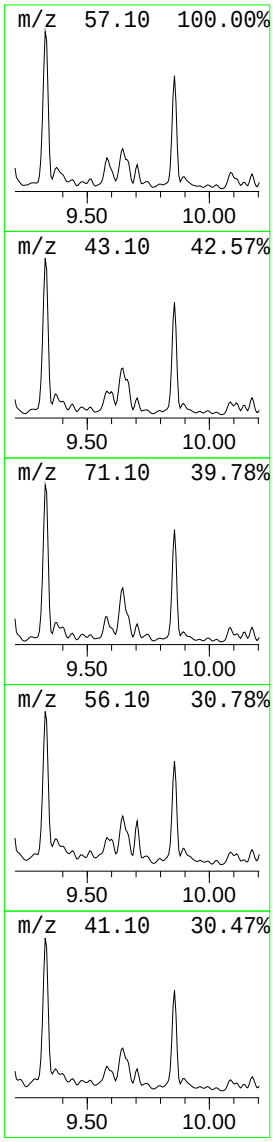
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Peak Number 13 Tetradecane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.704	7.96 ng	488909	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	86
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64





Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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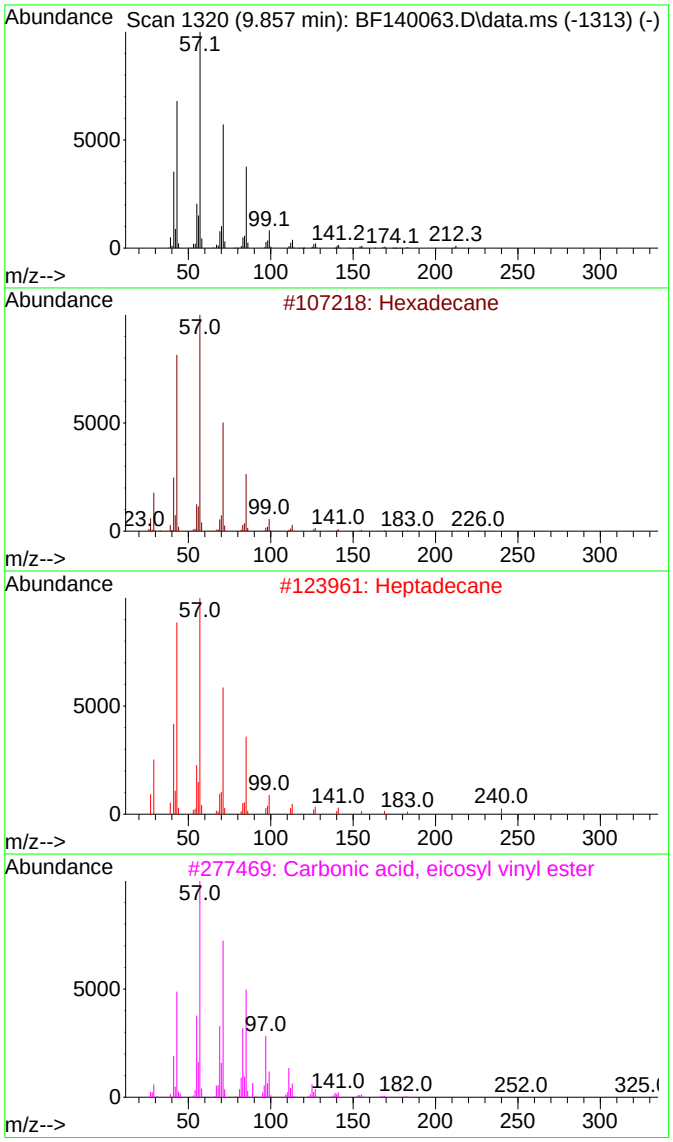
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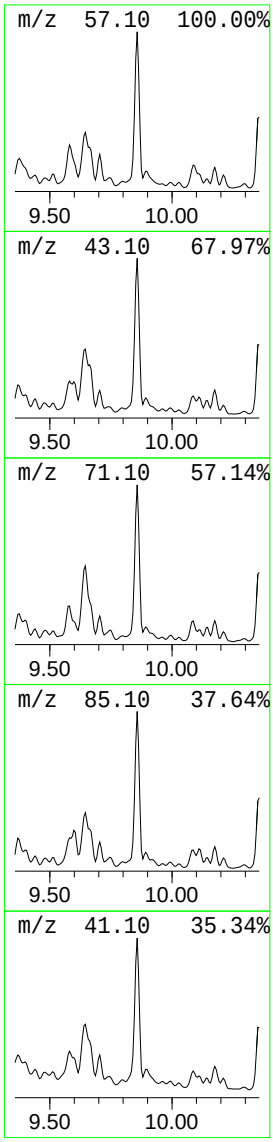
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Peak Number 14 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.857	65.99 ng	4052040	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

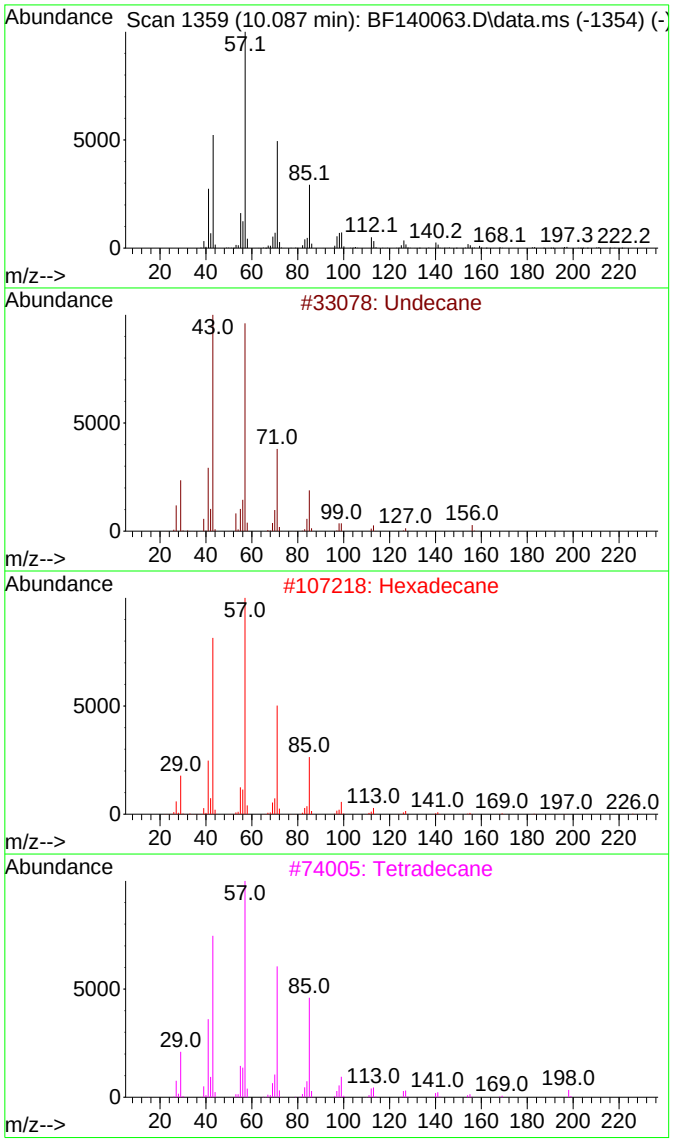
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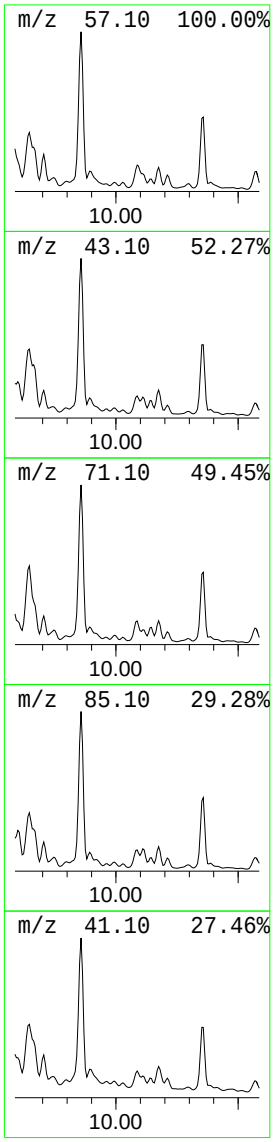
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Peak Number 15 Undecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.086	10.60 ng	651149	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Hexadecane	226	C16H34	000544-76-3	80
3	Tetradecane	198	C14H30	000629-59-4	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
5	Pentadecane	212	C15H32	000629-62-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

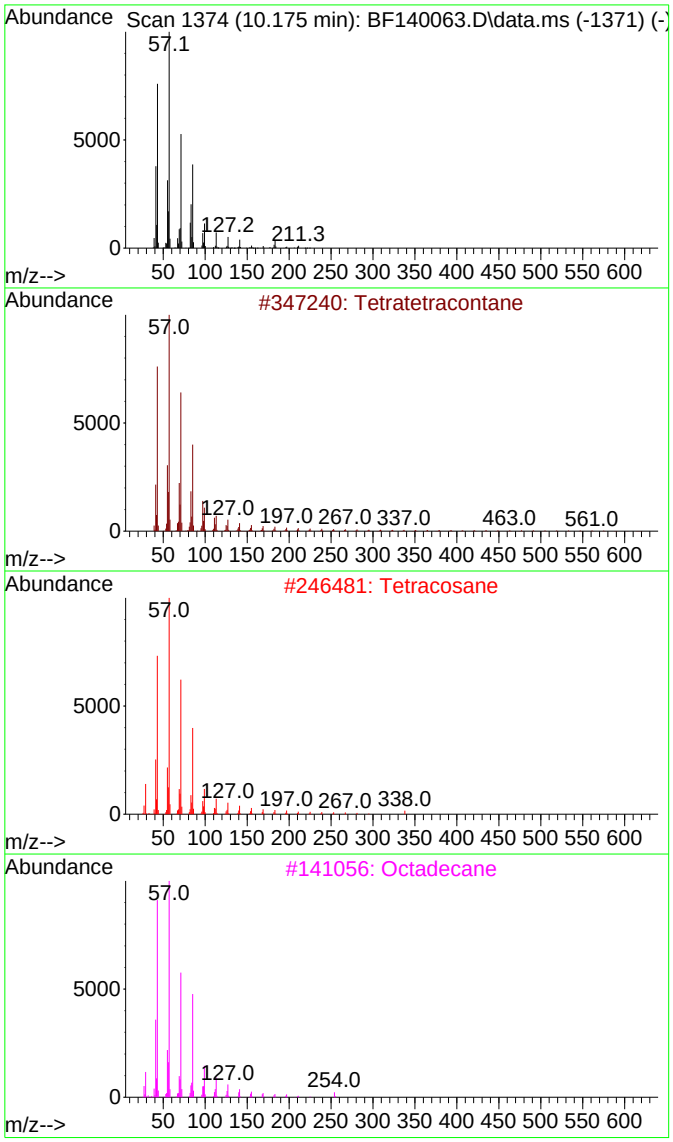
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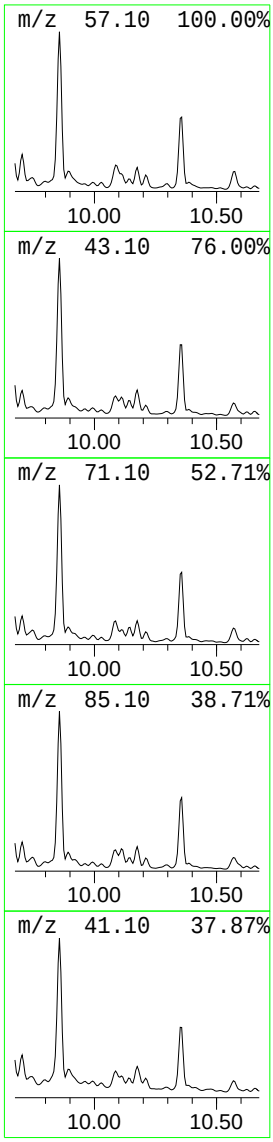
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Peak Number 16 Tetratetracontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.175	11.20 ng	687456	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	86
2	Tetracosane	338	C24H50	000646-31-1	83
3	Octadecane	254	C18H38	000593-45-3	80
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

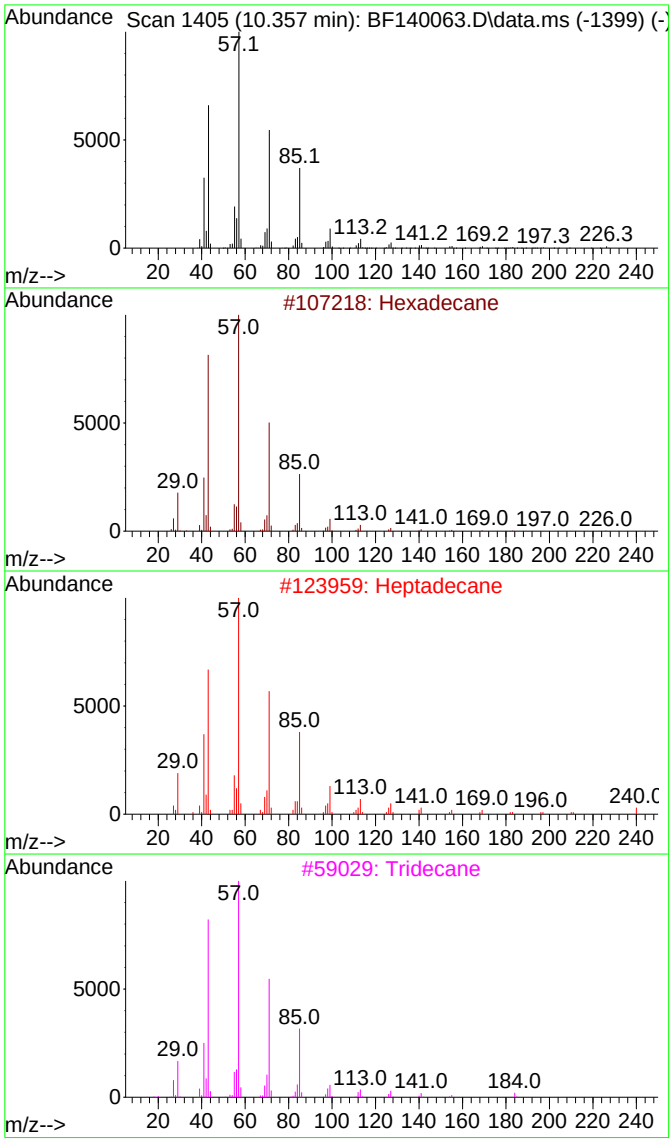
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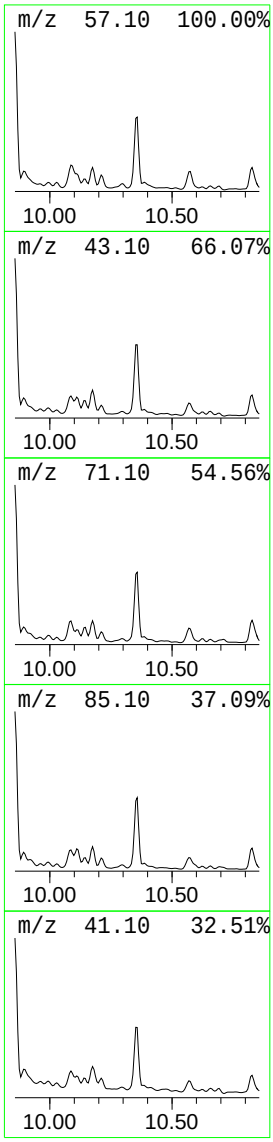
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Peak Number 17 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.357	28.31 ng	1738630	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	83
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

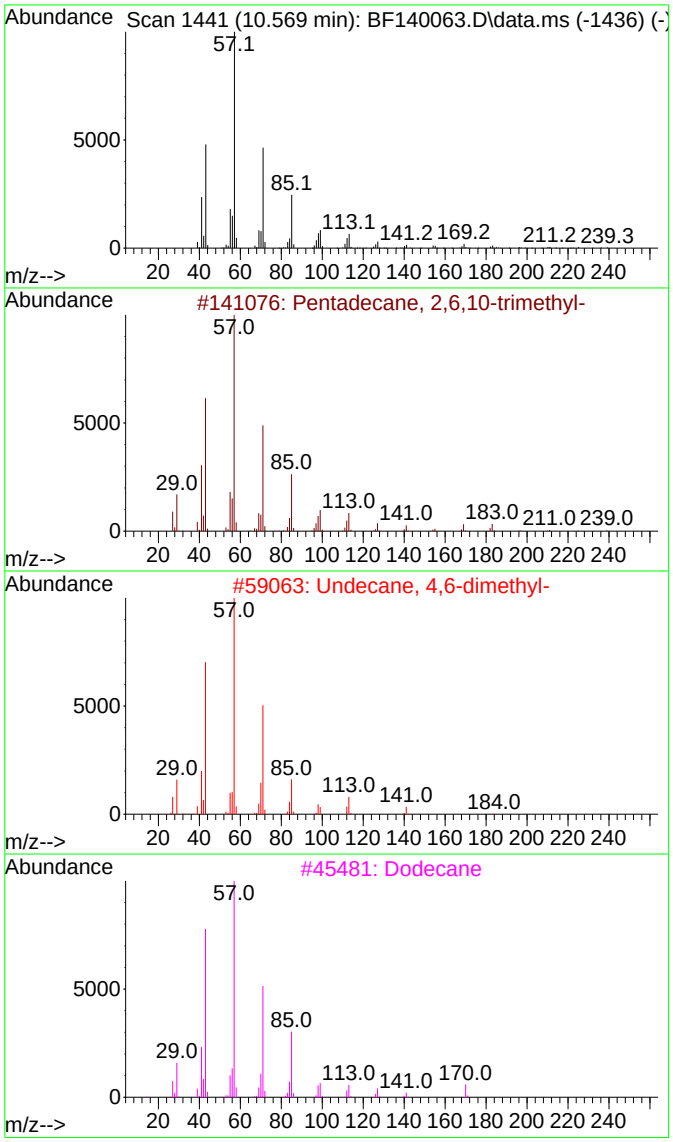
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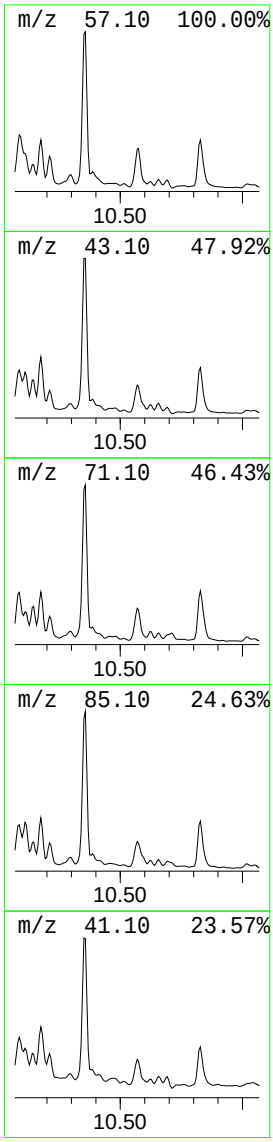
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Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.37 ng	514269	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	91
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
3	Dodecane	170	C12H26	000112-40-3	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	Hexadecane	226	C16H34	000544-76-3	80





Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

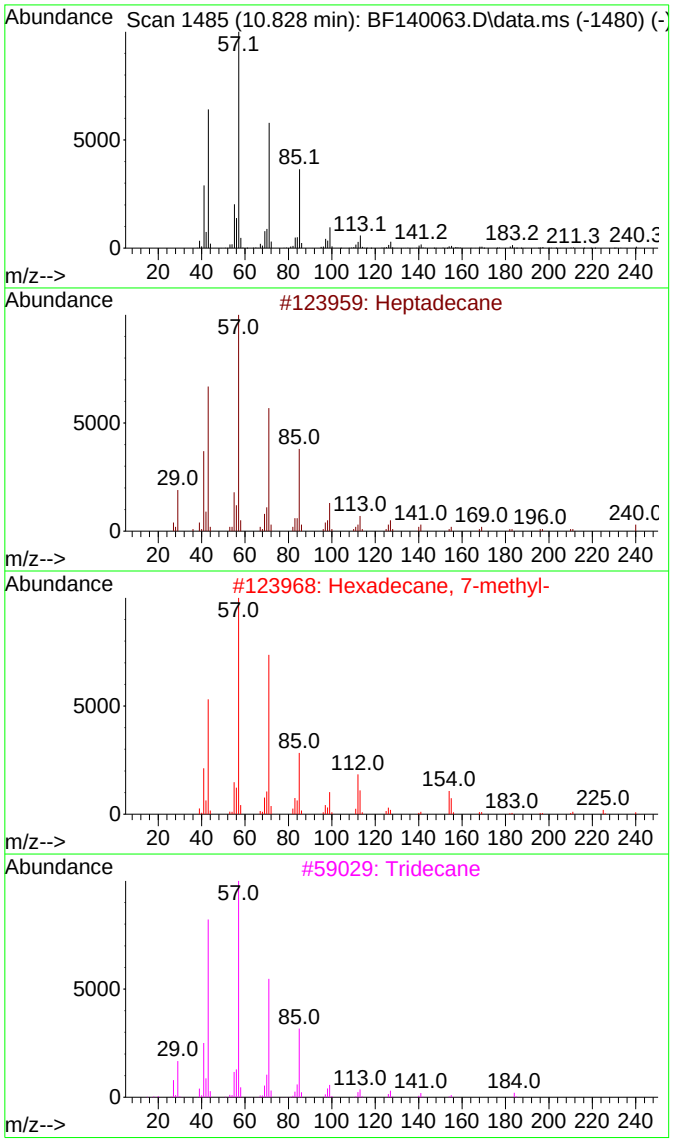
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TIC Integration Parameters: LSCINT.P

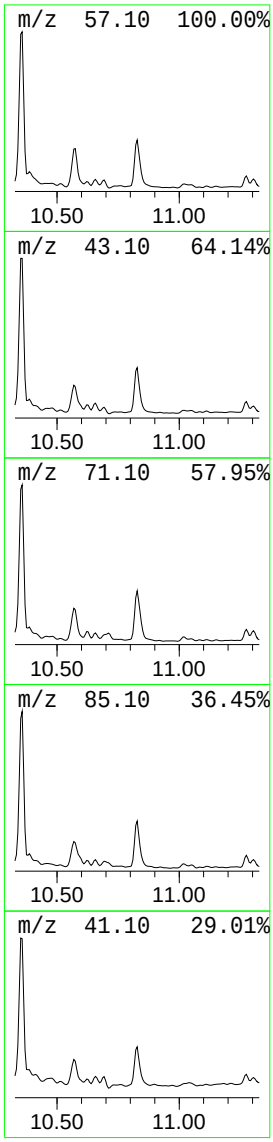
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Peak Number 19 Hexadecane, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.828	12.13 ng	647723	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

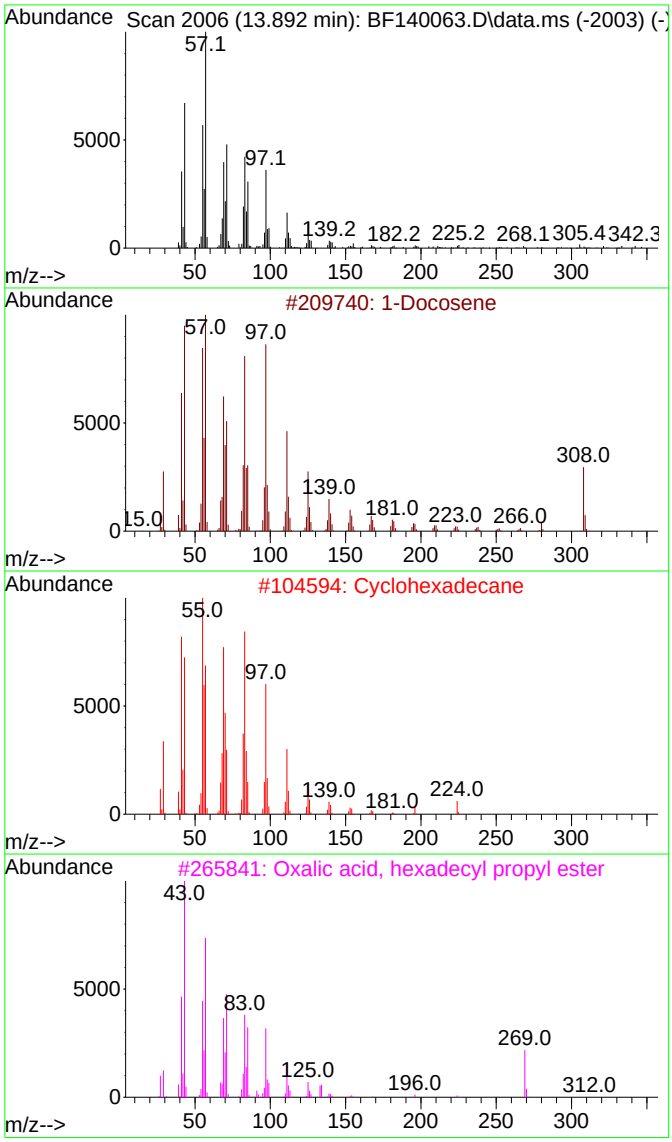
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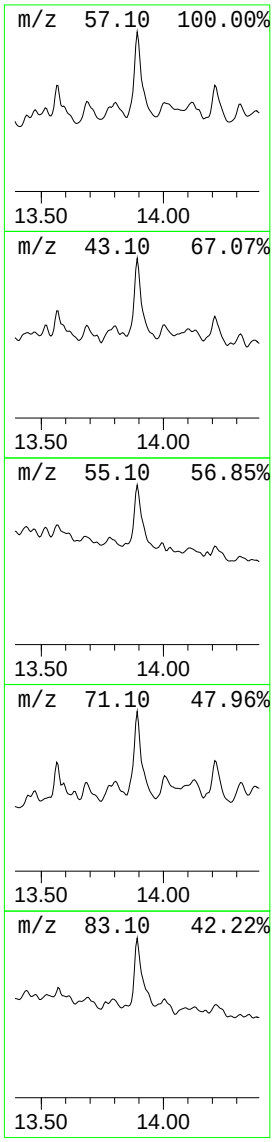
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Peak Number 20 1-Docosene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	12.82 ng	371015	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	91
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.216	91.0	ng	3690550	1	6.887	811483	20.0
2-Pentanone, 4-...	5.128	7.3	ng	297618	1	6.887	811483	20.0
Benzene, 2-ethe...	7.910	8.6	ng	2270230	2	8.169	5282280	20.0
Undecane, 2,6-d...	8.469	8.9	ng	2363530	2	8.169	5282280	20.0
Dodecane, 2,6,1...	8.592	11.7	ng	3086280	2	8.169	5282280	20.0
Nonadecane	8.763	24.9	ng	6581540	2	8.169	5282280	20.0
Heptacosane	9.128	17.0	ng	1043740	3	9.928	1228120	20.0
Decane, 3,8-dim...	9.169	14.3	ng	874818	3	9.928	1228120	20.0
Nonane, 2,6-dim...	9.192	22.1	ng	1359040	3	9.928	1228120	20.0
Hexadecane	9.328	93.4	ng	5738020	3	9.928	1228120	20.0
Decane, 5-ethyl...	9.581	16.5	ng	1011590	3	9.928	1228120	20.0
3-Ethyl-2,6,10-...	9.645	45.4	ng	2785000	3	9.928	1228120	20.0
Tetradecane, 3-...	9.704	8.0	ng	488909	3	9.928	1228120	20.0
Heptadecane	9.857	66.0	ng	4052040	3	9.928	1228120	20.0
Undecane	10.086	10.6	ng	651149	3	9.928	1228120	20.0
Tetratetracontane	10.175	11.2	ng	687456	3	9.928	1228120	20.0
Tridecane	10.357	28.3	ng	1738630	3	9.928	1228120	20.0
Pentadecane, 2,...	10.569	8.4	ng	514269	3	9.928	1228120	20.0
Hexadecane, 7-m...	10.828	12.1	ng	647723	4	11.410	1068280	20.0
1-Docosene	13.892	12.8	ng	371015	5	14.051	578612	20.0

Raw Data: **BM048238.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.2	ug/L
108-95-2	Phenol	0.95	U	0.95	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.10	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	5.10	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.10	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.10	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
78-59-1	Isophorone	1.20	U	1.20	5.10	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.90	U	0.90	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
106-47-8	4-Chloroaniline	1.30	UQ	1.30	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	5.10	UQ	5.10	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	5.10	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.10	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	5.10	ug/L

Raw Data: **BM048238.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	1.30	U	1.30	5.10	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.10	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.60	U	6.60	10.2	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.2	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.10	ug/L
84-66-2	Diethylphthalate	1.10	U	1.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1.00	5.10	ug/L
86-73-7	Fluorene	0.98	U	0.98	5.10	ug/L
100-01-6	4-Nitroaniline	2.10	U	2.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	5.10	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	5.10	ug/L
218-01-9	Chrysene	0.88	U	0.88	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.60	U	2.60	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L

Raw Data: **BM048238.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	42.1		15 (10) - 110 (139)	56%	SPK: 75
13127-88-3	Phenol-d6	36.5		15 (10) - 110 (134)	49%	SPK: 75
4165-60-0	Nitrobenzene-d5	42.7		30 (49) - 130 (133)	85%	SPK: 50
321-60-8	2-Fluorobiphenyl	40.3		30 (52) - 130 (132)	81%	SPK: 50
118-79-6	2,4,6-Tribromophenol	67.4		15 (44) - 110 (137)	90%	SPK: 75
1718-51-0	Terphenyl-d14	45.8		30 (48) - 130 (125)	92%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	214000	7.716			
1146-65-2	Naphthalene-d8	870000	10.51			
15067-26-2	Acenaphthene-d10	580000	14.363			
1517-22-2	Phenanthrene-d10	1250000	17.104			
1719-03-5	Chrysene-d12	1150000	21.327			
1520-96-3	Perylene-d12	1230000	24.28			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.50	A		4.83	ug/L
000119-61-9	Benzophenone	3.40	J		15.7	ug/L

Raw Data: **BM048238.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BM048238.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Time: Oct 25 17:20:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

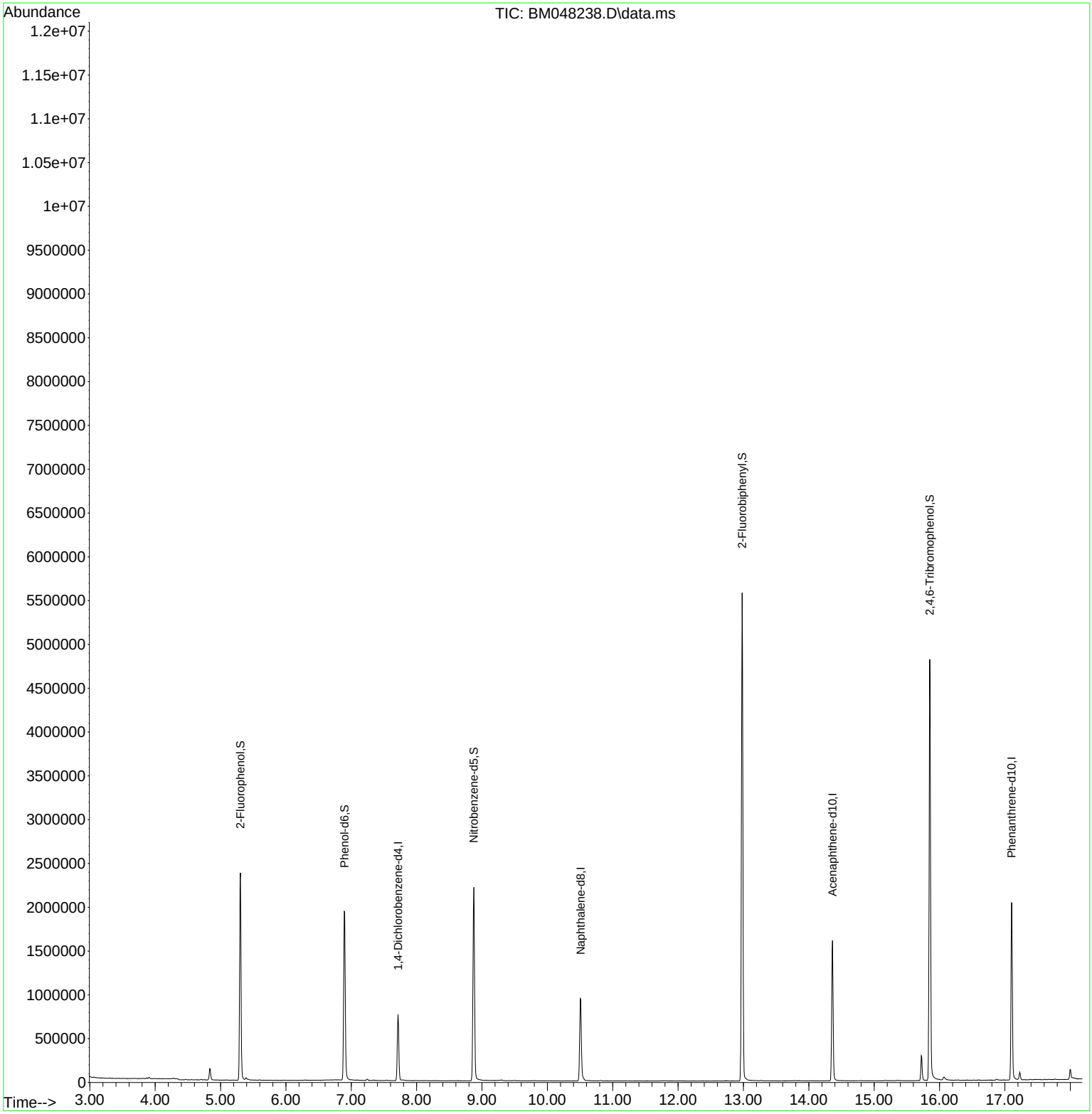
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	214014	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	870137	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	580161	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1247446	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1150084	20.000	ng	-0.01
86) Perylene-d12	24.280	264	1229812	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	1072257	84.219	ng	0.00
7) Phenol-d6	6.899	99	1211255	73.051	ng	0.00
23) Nitrobenzene-d5	8.875	82	1316356	85.418	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	957777	134.875	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	3048150	80.622	ng	0.00
79) Terphenyl-d14	19.733	244	5159936	91.559	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

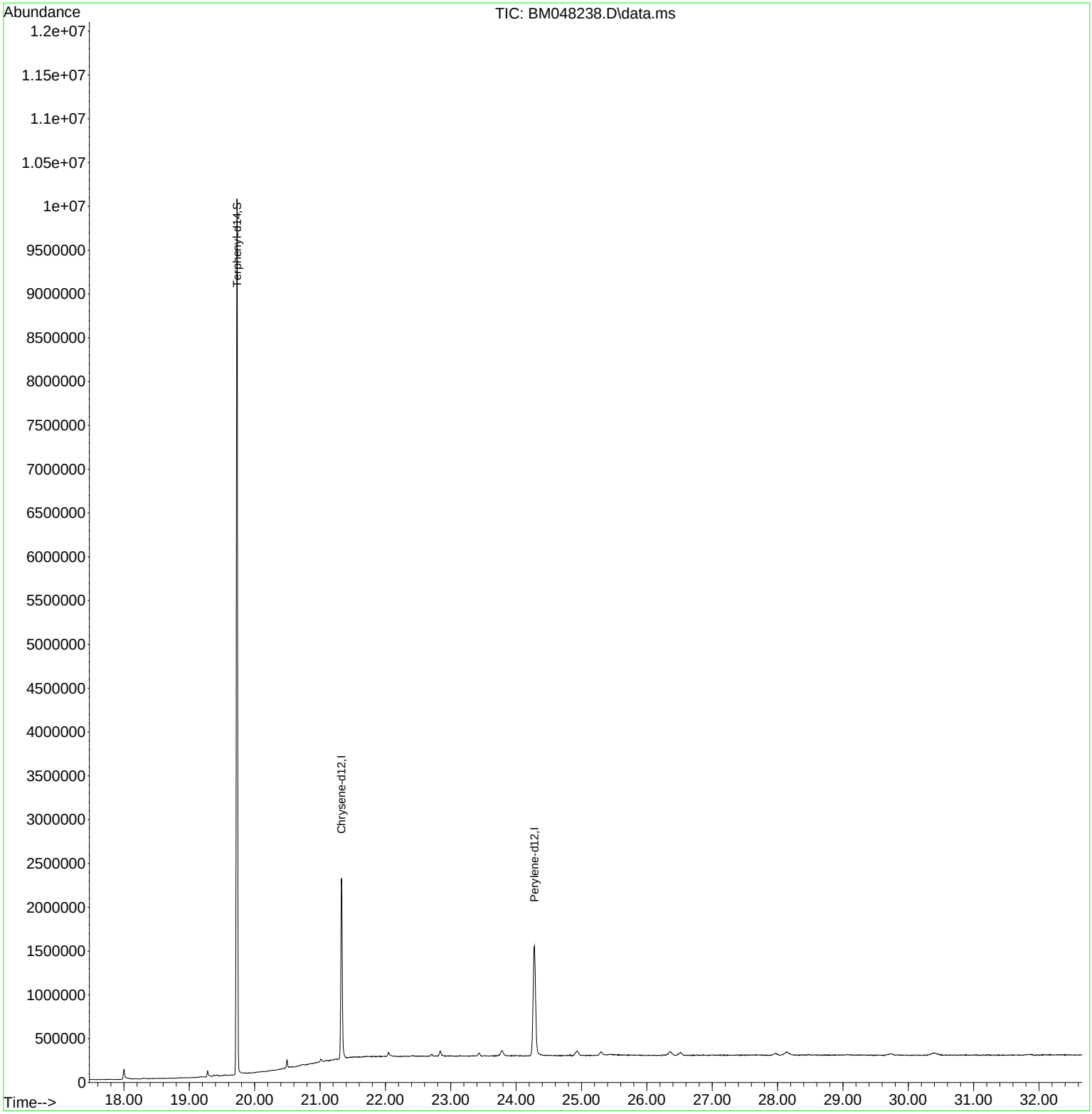
Quant Time: Oct 25 17:20:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

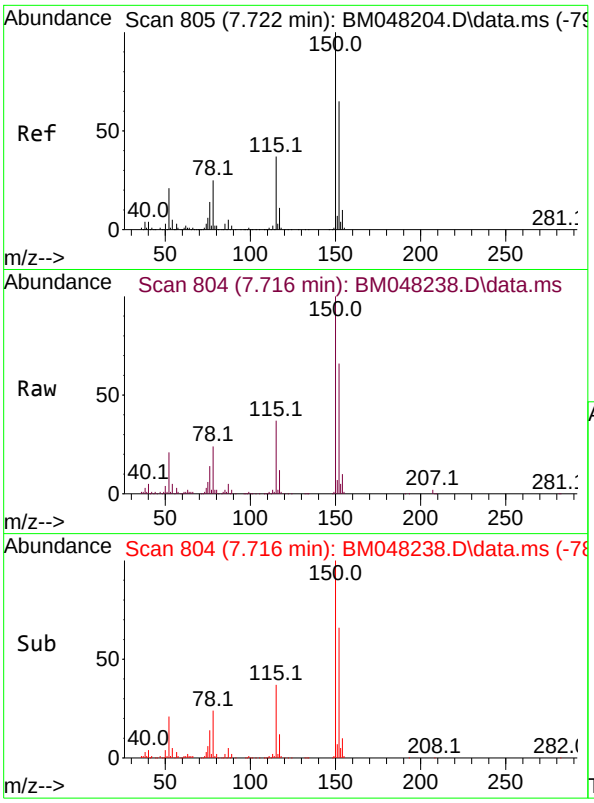


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Time: Oct 25 17:20:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



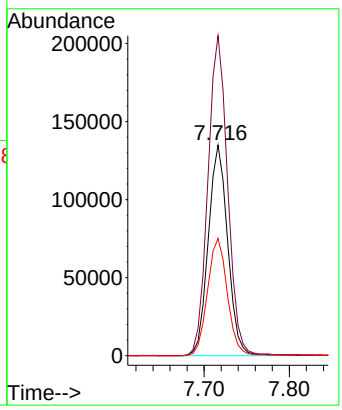


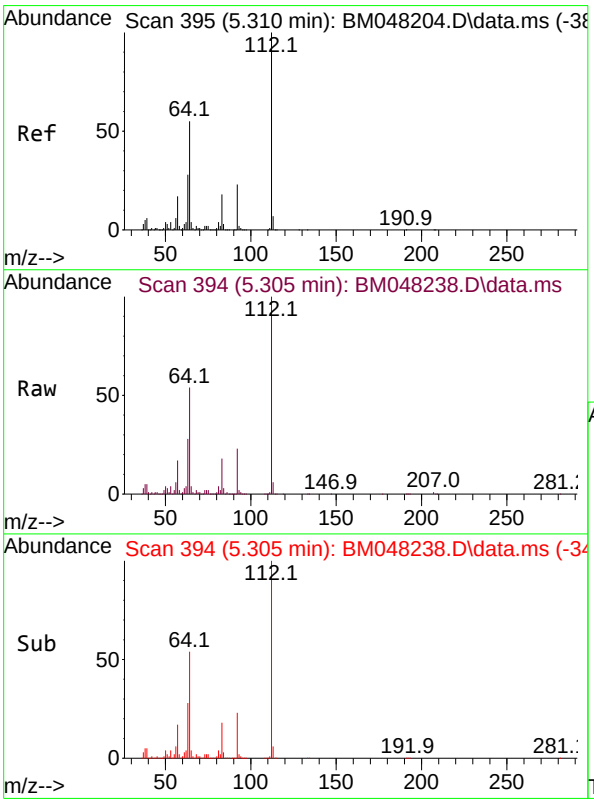
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:152 Resp: 214014

Ion	Ratio	Lower	Upper
152	100		
150	152.0	123.0	184.6
115	55.7	45.8	68.6

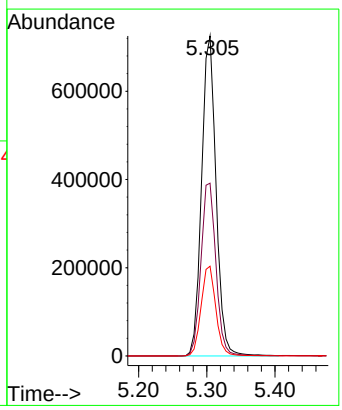


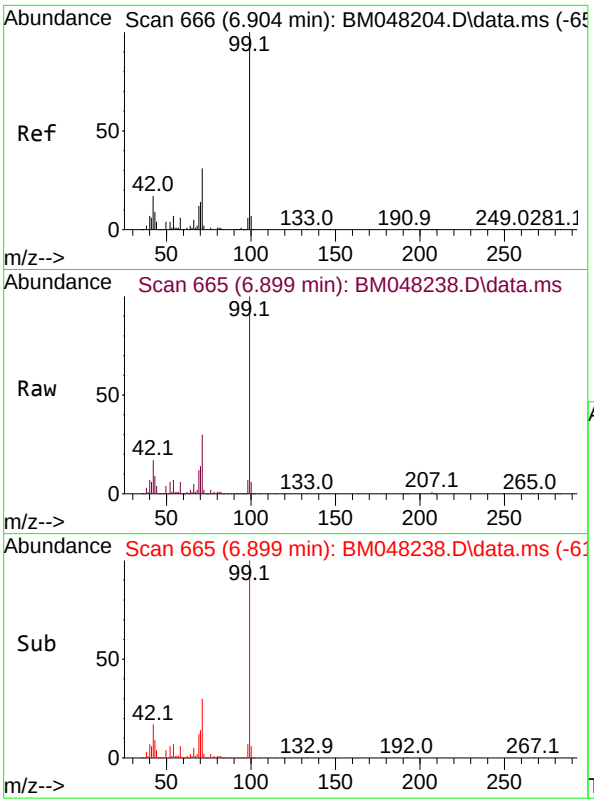


#5
2-Fluorophenol
Concen: 84.219 ng
RT: 5.305 min Scan# 394
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:112 Resp: 1072257

Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.2	66.2
63	28.1	22.7	34.1



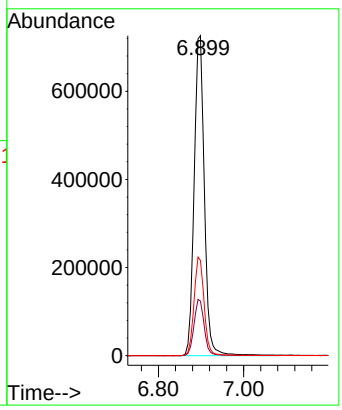


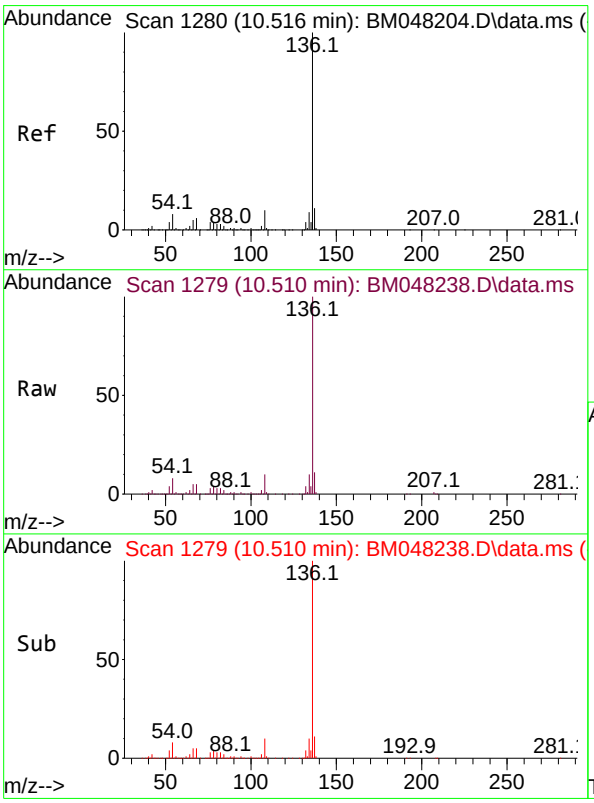
#7
Phenol-d6
Concen: 73.051 ng
RT: 6.899 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion: 99 Resp: 1211255

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	29.7	24.9	37.3

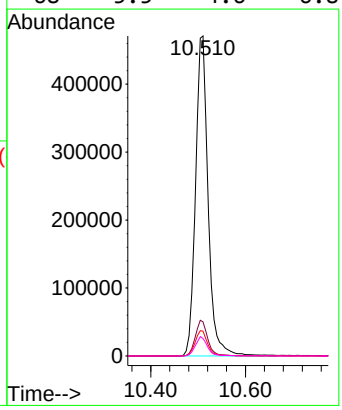


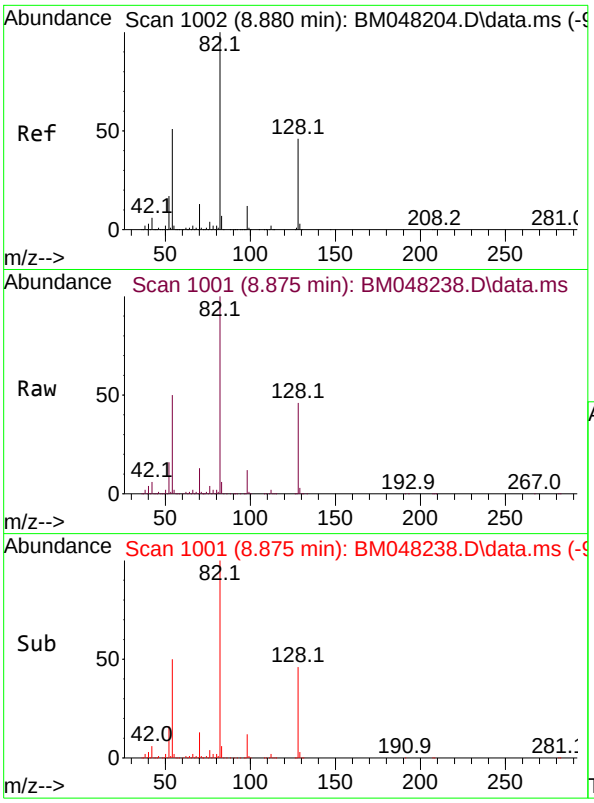


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:136 Resp: 870137

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.5	9.7
68	5.5	4.6	6.8



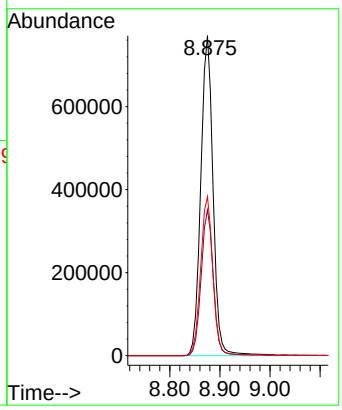


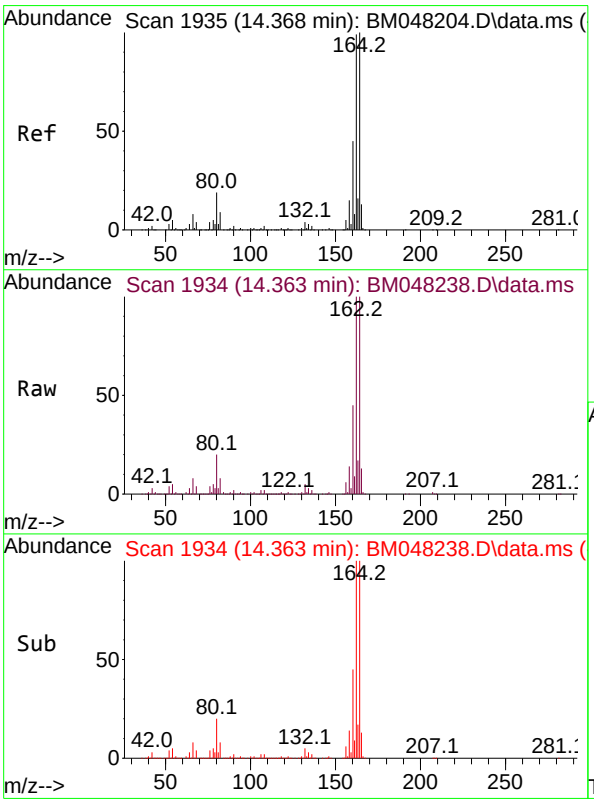
#23
Nitrobenzene-d5
Concen: 85.418 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion: 82 Resp: 1316356

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.6	54.8
54	49.7	41.0	61.4

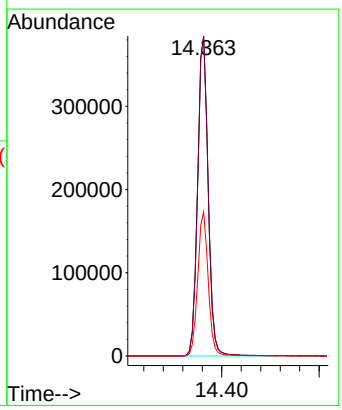


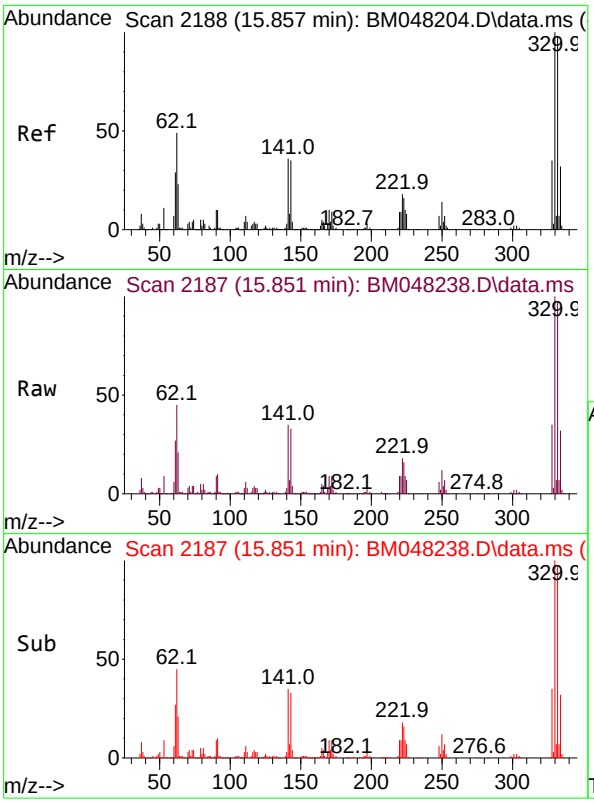


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:164 Resp: 580161

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.1	118.7
160	45.0	35.8	53.8



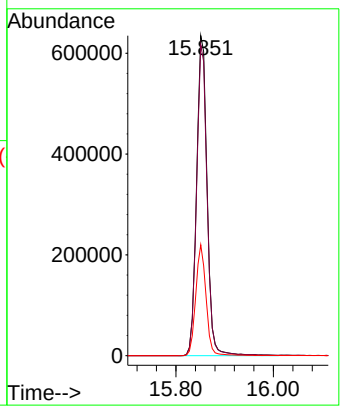


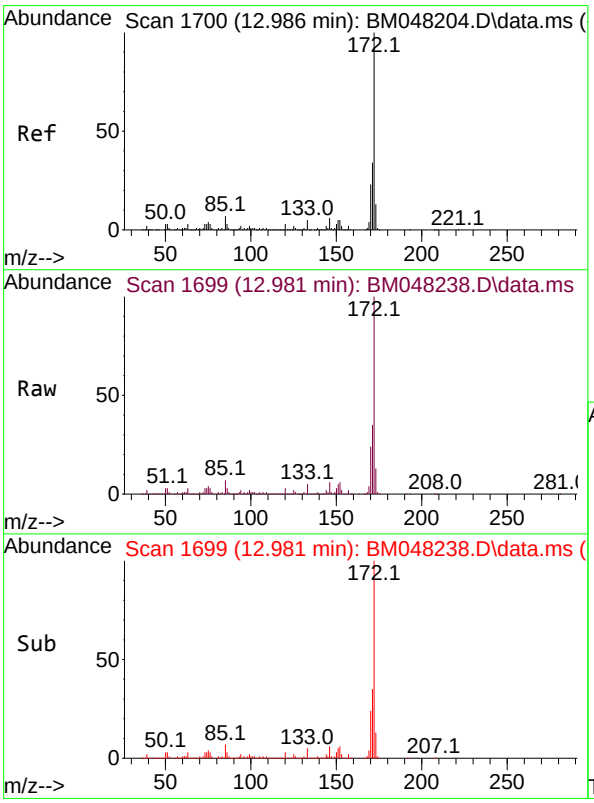
#42
2,4,6-Tribromophenol
Concen: 134.875 ng
RT: 15.851 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:330 Resp: 957777

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.5	116.3
141	34.0	27.5	41.3

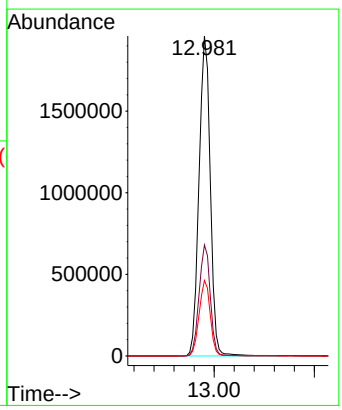


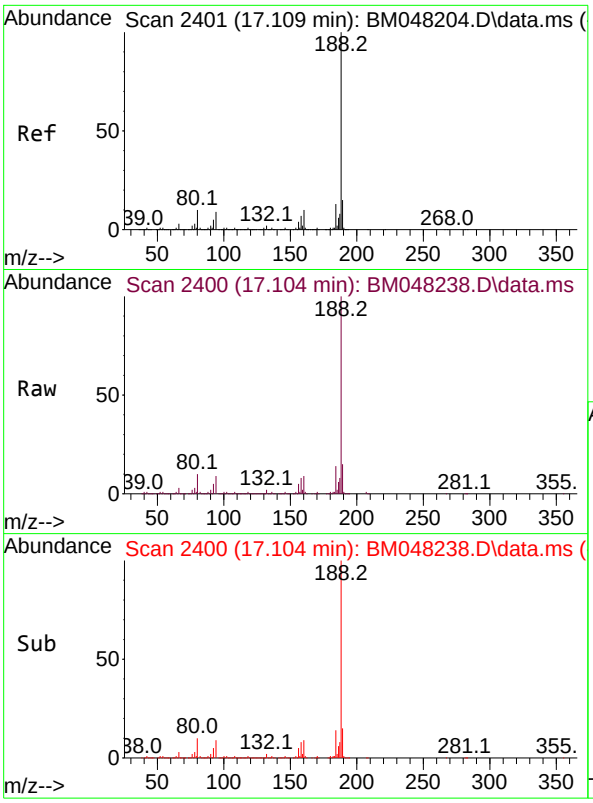


#45
2-Fluorobiphenyl
Concen: 80.622 ng
RT: 12.981 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:172 Resp: 3048150

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	23.6	18.5	27.7



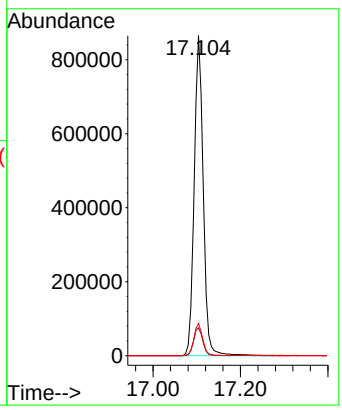


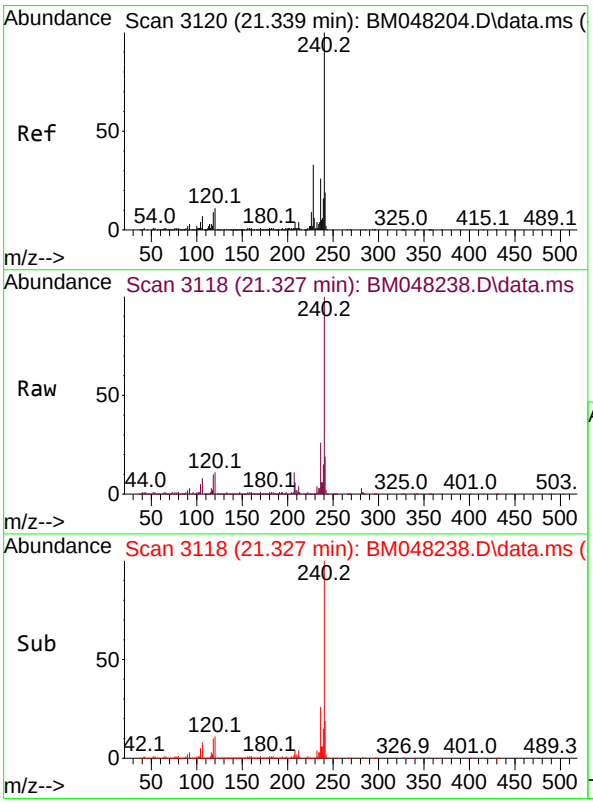
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:188 Resp: 1247446

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	10.1	8.0	12.0

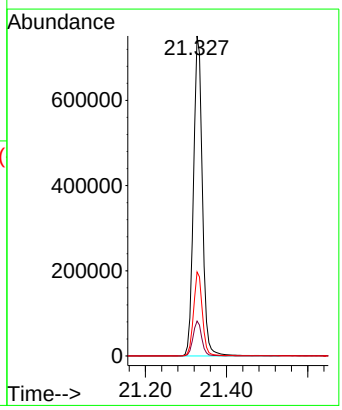


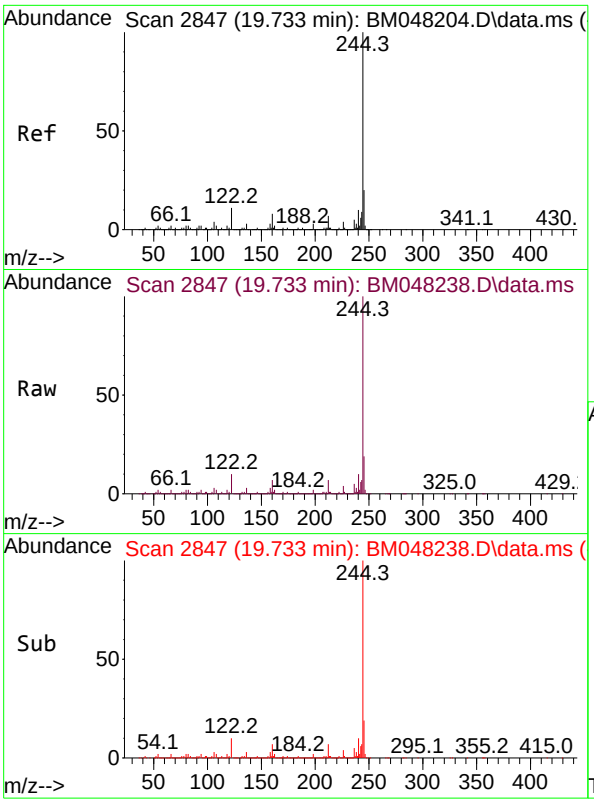


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.011 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:240 Resp: 1150084

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	13.0
236	26.3	20.7	31.1



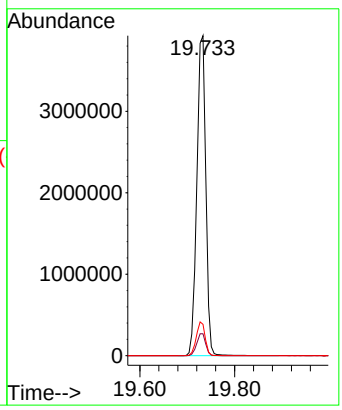


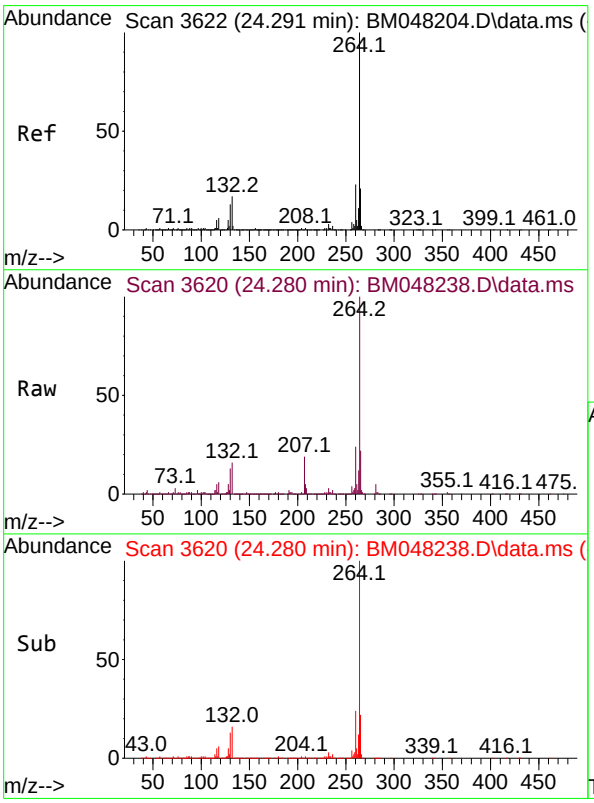
#79
Terphenyl-d14
Concen: 91.559 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:244 Resp: 5159936

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.8	8.8	13.2

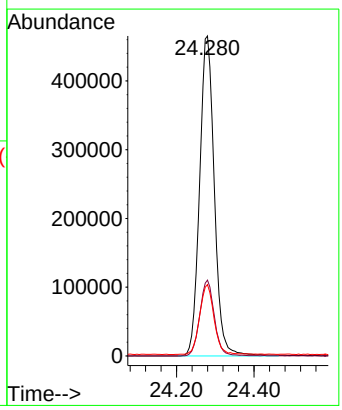




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.280 min Scan# 3620
Delta R.T. -0.011 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:264 Resp: 1229812

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.3	17.4	26.2



Sample Results: **BM048238.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

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_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM048238.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.834	308	314	325	rVB	130927	208716	1.56%	0.377%
2	5.305	387	394	405	rBV	2364539	3558615	26.64%	6.426%
3	6.893	656	664	679	rBV	1925312	3248141	24.31%	5.866%
4	7.716	797	804	812	rBV	753795	1217650	9.11%	2.199%
5	8.875	992	1001	1014	rBV	2211319	3772599	28.24%	6.813%
6	10.504	1268	1278	1291	rBV	941822	1742255	13.04%	3.146%
7	12.981	1692	1699	1717	rBV	5570296	8616290	64.49%	15.560%
8	14.363	1925	1934	1947	rBV	1603286	2445054	18.30%	4.415%
9	15.722	2160	2165	2173	rBV	282406	411602	3.08%	0.743%
10	15.851	2180	2187	2210	rBV	4807555	7295481	54.61%	13.174%
11	17.104	2393	2400	2412	rBV	2026327	2928465	21.92%	5.288%
12	17.998	2547	2552	2558	rBV	113571	185490	1.39%	0.335%
13	19.727	2840	2846	2858	rBV	9998151	13360307	100.00%	24.127%
14	21.327	3113	3118	3130	rVB2	2051498	3175920	23.77%	5.735%
15	24.280	3612	3620	3635	rVB	1240770	3209344	24.02%	5.796%

Sum of corrected areas: 55375929

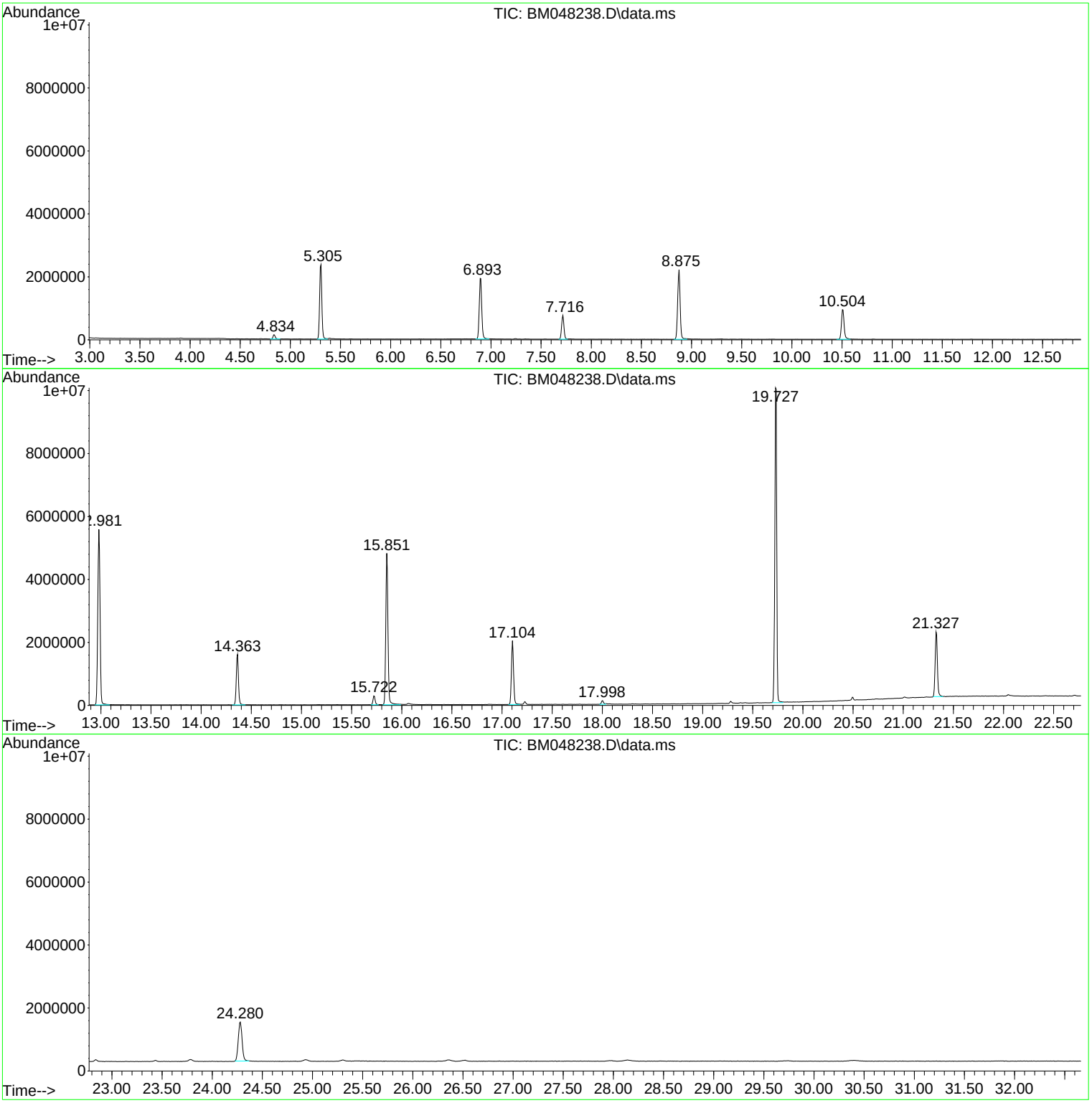
Sample Results: **BM048238.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.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_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

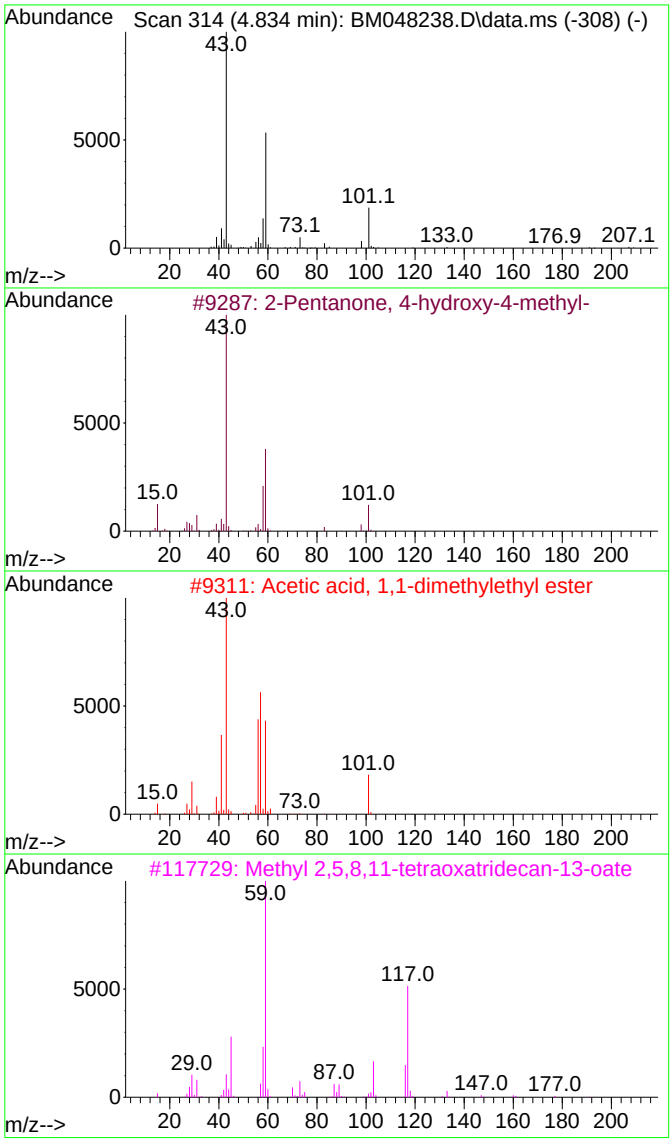
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

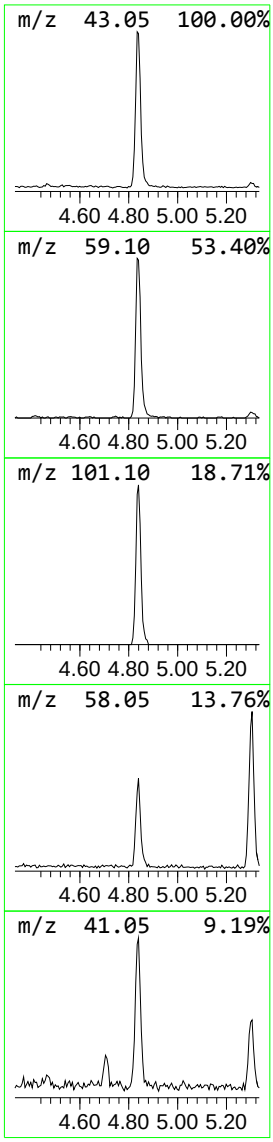
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.834	3.43 ng	208716	1,4-Dichlorobenzene-d4	7.716

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	45
3	Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	28
4	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	25
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23





Sample Results: **BM048238.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

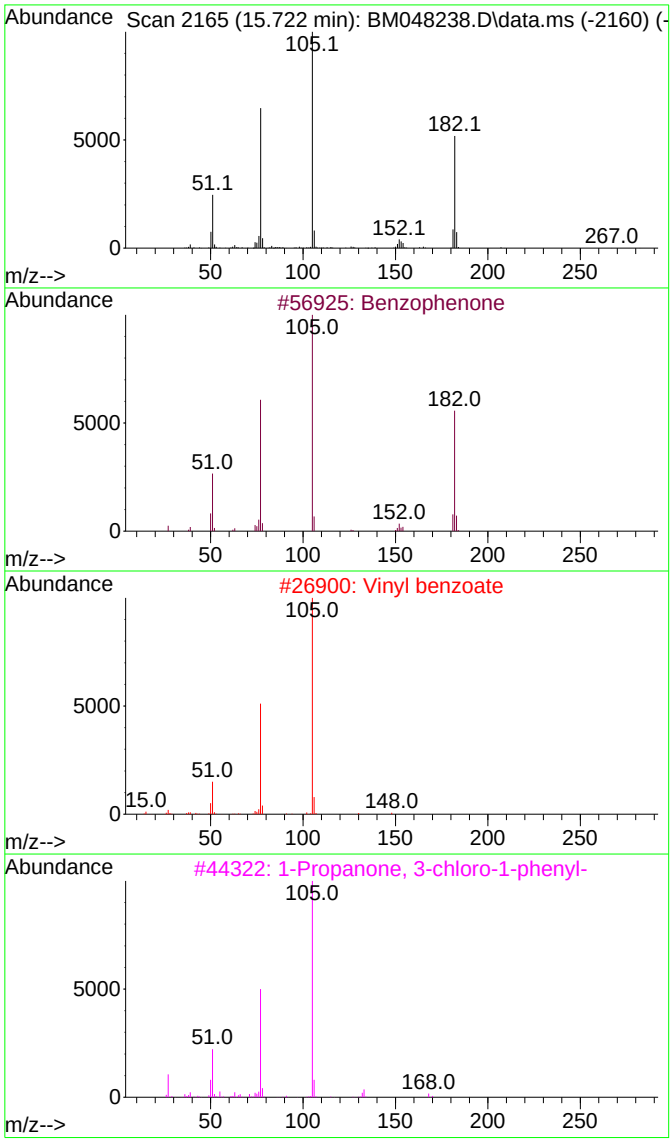
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

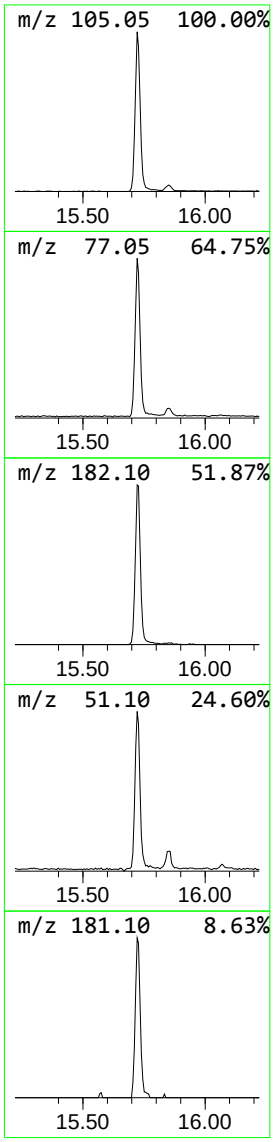
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.722	3.37 ng	411602	Acenaphthene-d10	14.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Vinyl benzoate	148	C9H8O2	000769-78-8	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47





Sample Results: **BM048238.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.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-...	4.834	3.4	ng	208716	1	7.716	1217650	20.0
Benzophenone	15.722	3.4	ng	411602	3	14.363	2445050	20.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID: RRF2.5 = BF139844.D RRF005 = BF139845.D RRF010 = BF139846.D
RRF020 = BF139847.D RRF040 = BF139848.D RRF050 = BF139849.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.278	10.1
Benzaldehyde			1.137	1.042	0.940	0.873	0.931	15.2
Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.655	10.1
Phenol		1.952	1.832	1.760	1.712	1.583	1.706	9.2
bis(2-Chloroethyl)ether		1.470	1.423	1.359	1.294	1.251	1.319	7.8
2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.306	10.2
2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.114	7.7
2,2-oxybis(1-Chloropropane)		2.524	2.409	2.353	2.255	2.117	2.248	8.7
Acetophenone		0.578	0.533	0.516	0.481	0.452	0.490	11.4
3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.424	12.4
n-Nitroso-di-n-propylamine	1.105	1.141	1.066	1.025	0.974	0.921	1.004	9.6
Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.361	2.9
Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.534	7.1
Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.396	4.1
Isophorone		0.755	0.709	0.702	0.679	0.652	0.685	5.9
2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.149	9.2
2,4-Dimethylphenol		0.285	0.259	0.256	0.248	0.237	0.249	8.1
bis(2-Chloroethoxy)methane		0.468	0.440	0.432	0.412	0.394	0.415	8.2
2,4-Dichlorophenol		0.308	0.297	0.293	0.283	0.272	0.283	6.2
Naphthalene		1.209	1.121	1.091	1.023	0.958	1.031	11.2
4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.352	9.3
Hexachlorobutadiene		0.224	0.206	0.203	0.197	0.185	0.197	8.0
Caprolactam		0.092	0.092	0.092	0.092	0.088	0.090	2.9
4-Chloro-3-methylphenol		0.341	0.328	0.324	0.315	0.299	0.314	6.0
2-Methylnaphthalene		0.740	0.689	0.666	0.621	0.587	0.632	11.1
Hexachlorocyclopentadiene		0.185	0.193	0.198	0.198	0.186	0.188	5.3
2,4,6-Trichlorophenol		0.405	0.382	0.400	0.387	0.363	0.382	4.8
2-Fluorobiphenyl		1.512	1.396	1.280	1.162	1.088	1.210	16.0
2,4,5-Trichlorophenol		0.426	0.425	0.398	0.401	0.381	0.394	6.6
1,1-Biphenyl		1.640	1.536	1.483	1.379	1.285	1.392	12.2
2-Chloronaphthalene		1.288	1.225	1.164	1.111	1.048	1.121	10.0
2-Nitroaniline		0.299	0.318	0.353	0.365	0.354	0.343	7.2
Dimethylphthalate		1.410	1.344	1.283	1.237	1.172	1.246	8.6
Acenaphthylene		1.854	1.756	1.717	1.615	1.507	1.621	10.1

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID: RRF2.5 = BF139844.D RRF005 = BF139845.D RRF010 = BF139846.D
RRF020 = BF139847.D RRF040 = BF139848.D RRF050 = BF139849.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.256	0.266	0.278	0.280	0.273	0.270	3.4
3-Nitroaniline		0.270	0.275	0.296	0.292	0.276	0.278	4.8
Acenaphthene		1.200	1.136	1.089	1.044	0.977	1.049	9.5
2,4-Dinitrophenol			0.056	0.077	0.101	0.101	0.093	23.9
4-Nitrophenol		0.187	0.207	0.225	0.232	0.219	0.214	6.8
Dibenzofuran		1.767	1.659	1.579	1.486	1.389	1.505	11.5
2,4-Dinitrotoluene		0.280	0.314	0.337	0.356	0.344	0.332	7.9
Diethylphthalate		1.366	1.308	1.267	1.214	1.165	1.223	8.0
4-Chlorophenyl-phenylether		0.698	0.638	0.617	0.569	0.526	0.579	13.1
Fluorene		1.409	1.309	1.201	1.110	1.029	1.146	14.7
4-Nitroaniline		0.249	0.259	0.270	0.275	0.263	0.263	3.6
4,6-Dinitro-2-methylphenol			0.055	0.072	0.087	0.090	0.082	18.6
n-Nitrosodiphenylamine		0.672	0.641	0.621	0.595	0.568	0.599	8.1
2,4,6-Tribromophenol		0.201	0.196	0.193	0.188	0.179	0.187	5.5
4-Bromophenyl-phenylether		0.230	0.217	0.211	0.202	0.197	0.206	7.0
Hexachlorobenzene		0.258	0.245	0.237	0.231	0.217	0.232	7.2
Atrazine		0.189	0.175	0.156	0.175	0.135	0.162	11.4
Pentachlorophenol		0.118	0.137	0.148	0.152	0.145	0.141	8.0
Phenanthrene		1.121	1.035	0.994	0.933	0.863	0.945	11.8
Anthracene		1.082	1.014	0.972	0.913	0.851	0.922	11.5
Carbazole		1.002	0.964	0.923	0.846	0.776	0.857	12.6
Di-n-butylphthalate		1.104	1.071	1.062	1.014	0.923	0.990	9.8
Fluoranthene		1.149	1.108	1.036	0.943	0.842	0.955	15.3
Pyrene		1.892	1.828	1.900	1.805	1.685	1.751	8.4
Terphenyl-d14		1.381	1.335	1.340	1.244	1.154	1.227	11.0
Butylbenzylphthalate		0.490	0.513	0.536	0.555	0.535	0.525	4.0
3,3-Dichlorobenzidine		0.368	0.372	0.390	0.387	0.374	0.380	2.2
Benzo(a)anthracene		1.425	1.355	1.329	1.331	1.267	1.302	6.5
Chrysene		1.325	1.244	1.234	1.167	1.134	1.194	6.5
Bis(2-ethylhexyl)phthalate		0.520	0.539	0.577	0.626	0.620	0.589	7.5
Di-n-octyl phthalate			0.786	0.930	1.135	1.182	1.071	16.1
Benzo(b)fluoranthene		1.317	1.240	1.319	1.196	1.105	1.218	7.1
Benzo(k)fluoranthene		1.213	1.177	0.992	1.066	1.030	1.051	10.4
Benzo(a)pyrene		1.030	1.024	1.018	1.025	0.974	1.002	3.1
Indeno(1,2,3-cd)pyrene		1.209	1.261	1.307	1.352	1.299	1.287	3.8

All other compounds must meet a minimum RRF of 0.010.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID: RRF2.5 = BF139844.D RRF005 = BF139845.D RRF010 = BF139846.D
RRF020 = BF139847.D RRF040 = BF139848.D RRF050 = BF139849.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.021	1.064	1.103	1.120	1.083	1.073	3.3
Benzo(g,h,i)perylene		1.030	1.046	1.090	1.128	1.081	1.072	3.4
1,2,4,5-Tetrachlorobenzene		0.609	0.579	0.562	0.537	0.512	0.540	8.7
1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.596	5.7
2,3,4,6-Tetrachlorophenol		0.334	0.322	0.326	0.310	0.296	0.309	6.3

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

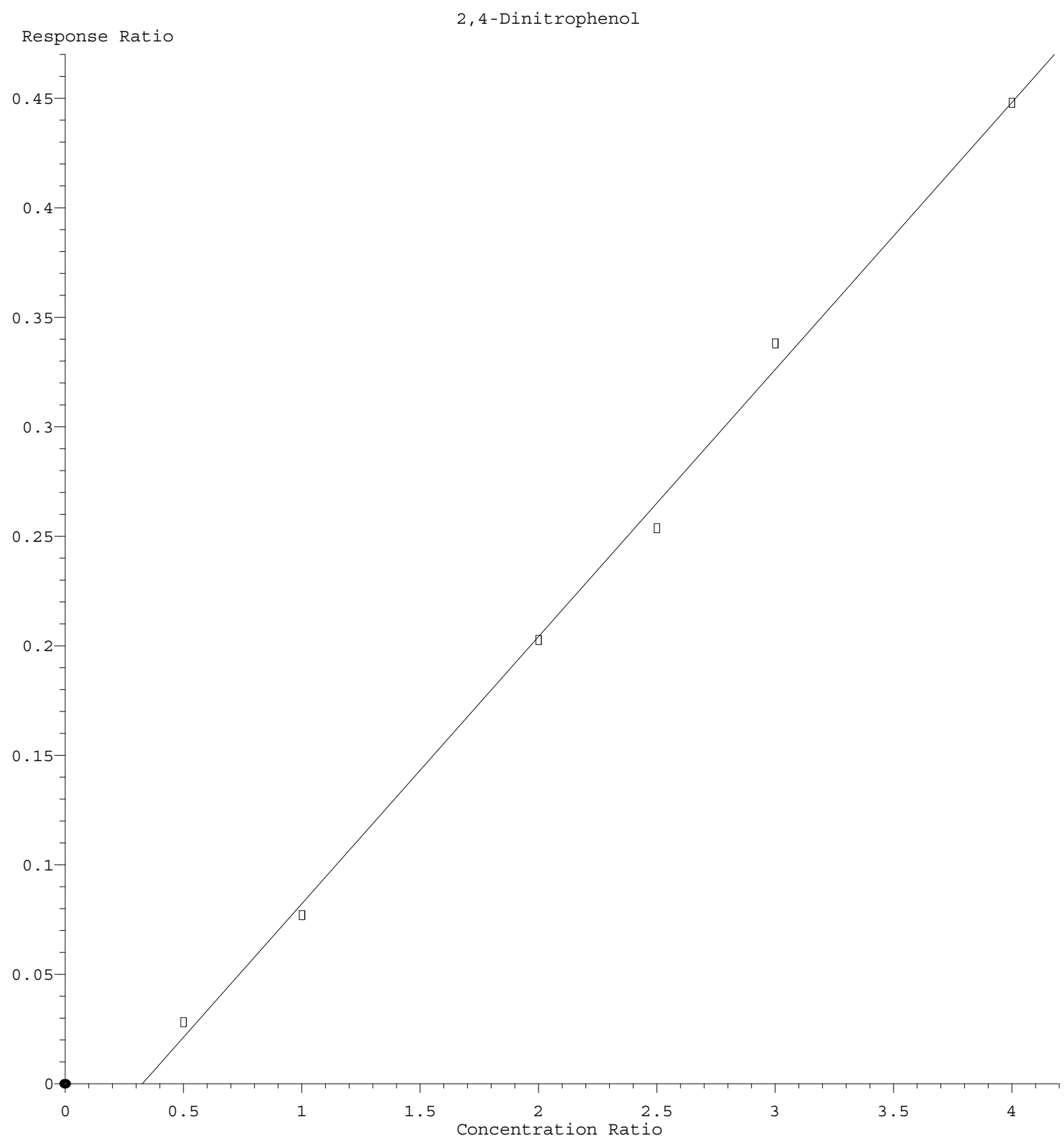
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range



Response = 1.220e-001 * Amt - 3.983e-002
Coef of Det (r^2) = 0.997175 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF101824.M
Calibration Table Last Updated: Fri Oct 18 15:07:50 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139844.D
Acq On : 18 Oct 2024 10:27
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	190003	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	748539	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	423999	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	760140	20.000	ng	0.00
76) Chrysene-d12	14.051	240	519381	20.000	ng	0.00
86) Perylene-d12	15.527	264	410408	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...	7.287	70	26252	2.754	ng	94

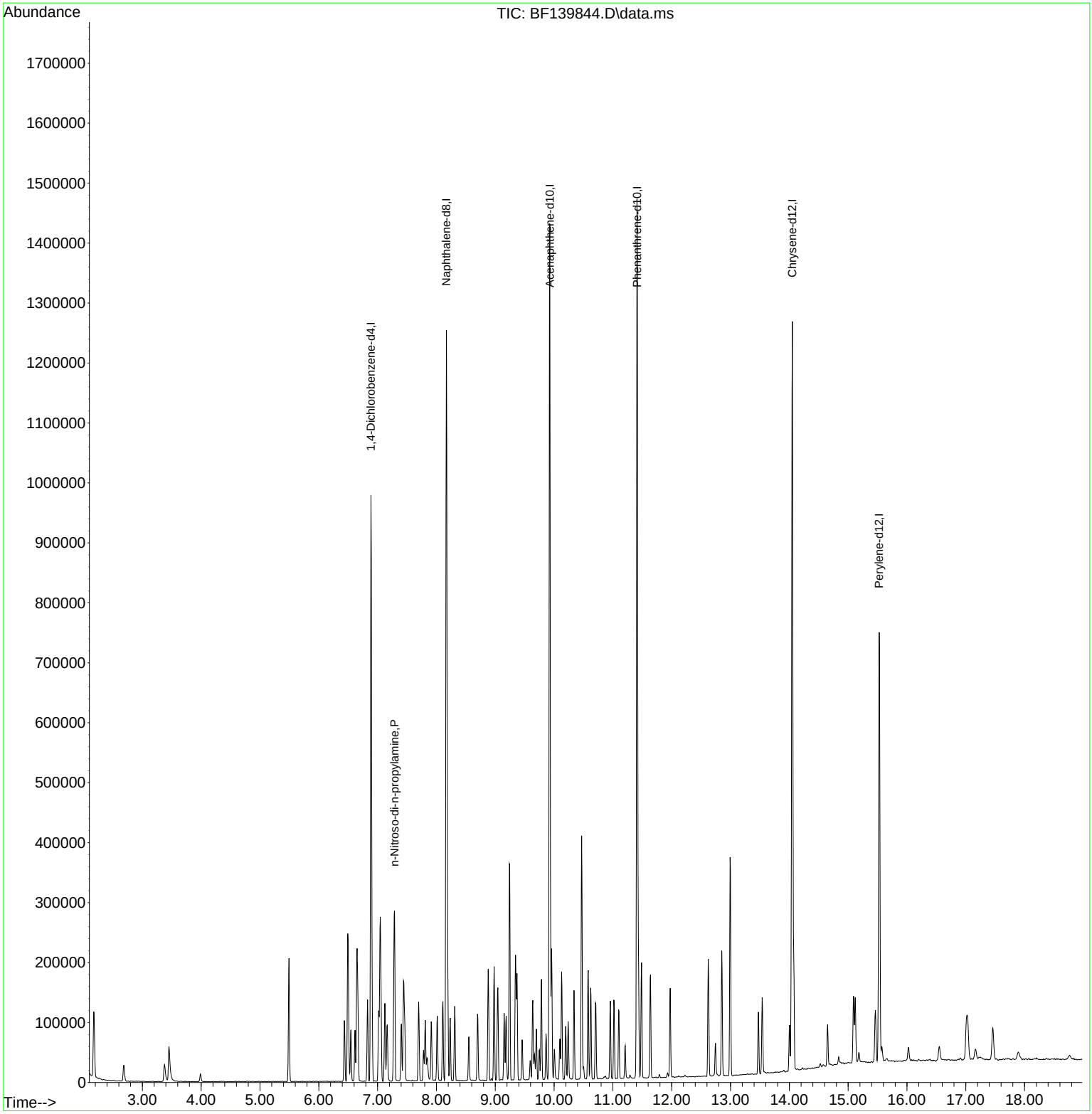
(#) = qualifier out of range (m) = manual integration (+) = signals summed

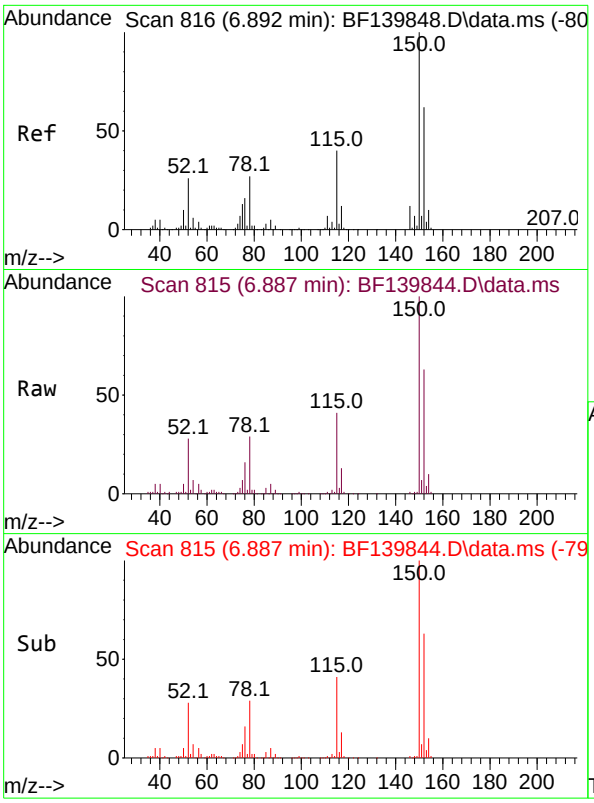
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139844.D
Acq On : 18 Oct 2024 10:27
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 18 14:15:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration



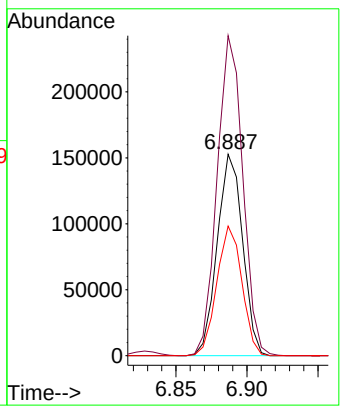


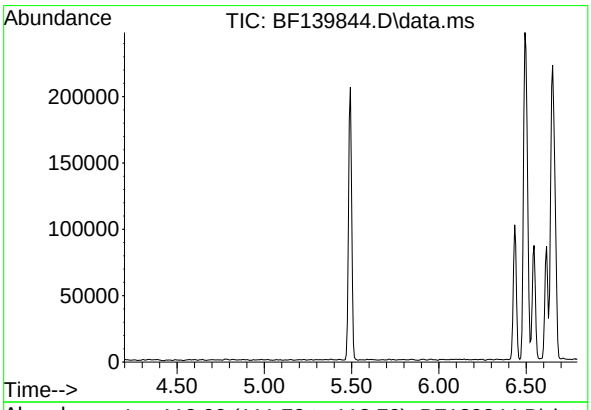
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 190003

Ion	Ratio	Lower	Upper
152	100		
150	158.9	130.2	195.2
115	64.4	51.4	77.2



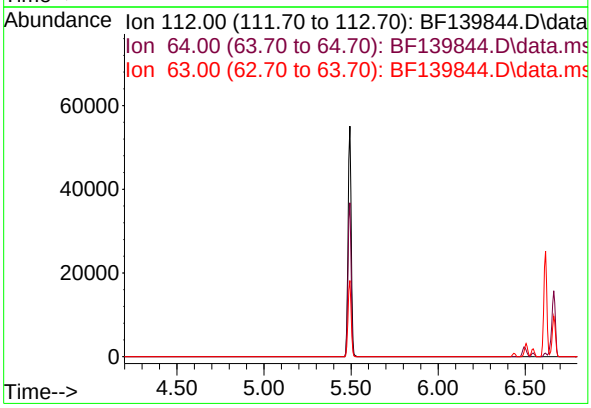


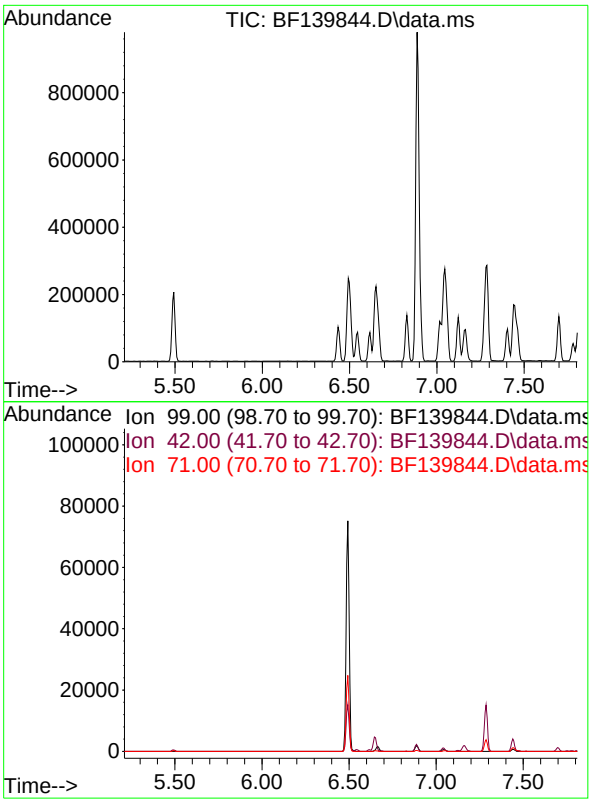
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.3
63	33.7





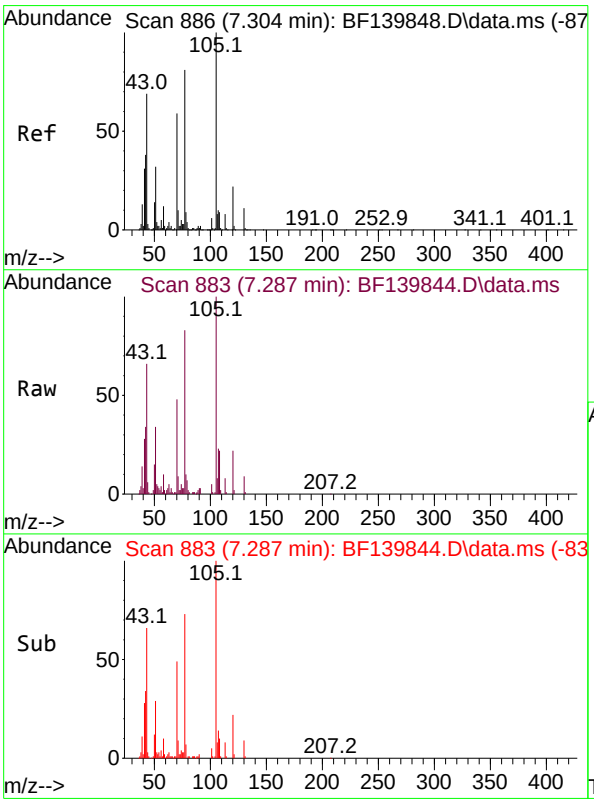
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

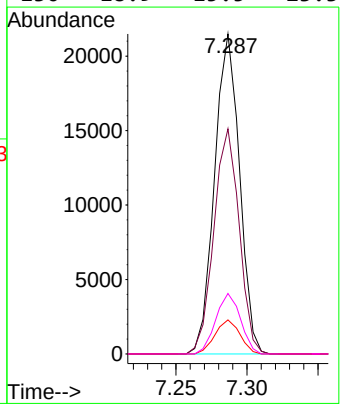
Sig	Exp Ratio
99	100
42	20.9
71	34.6

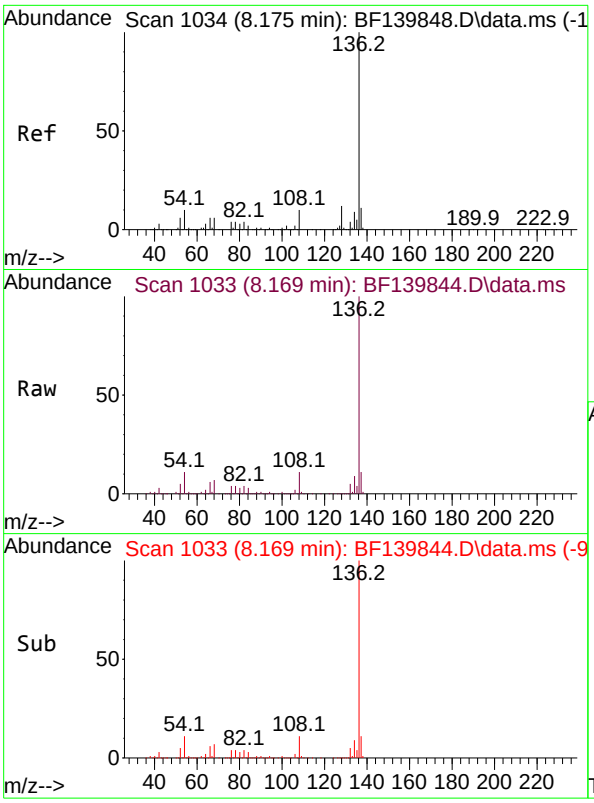


#19
n-Nitroso-di-n-propylamine
Concen: 2.754 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion: 70 Resp: 26252

Ion	Ratio	Lower	Upper
70	100		
42	70.4	51.5	77.3
101	10.6	7.5	11.3
130	18.9	15.5	23.3



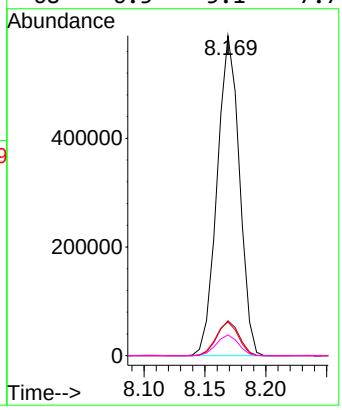


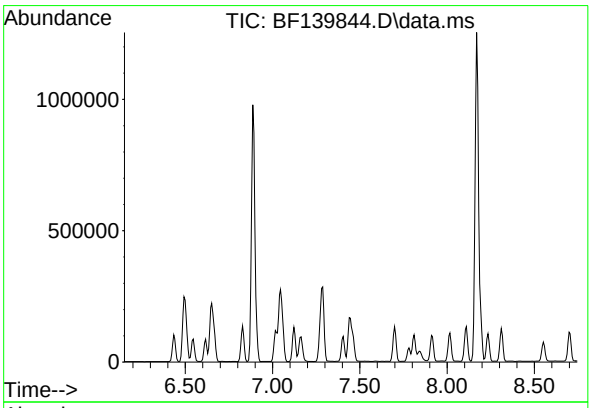
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 748539

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.6	8.4	12.6
68	6.5	5.1	7.7



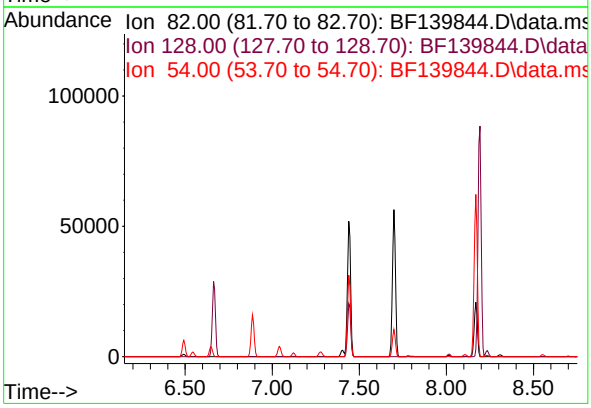


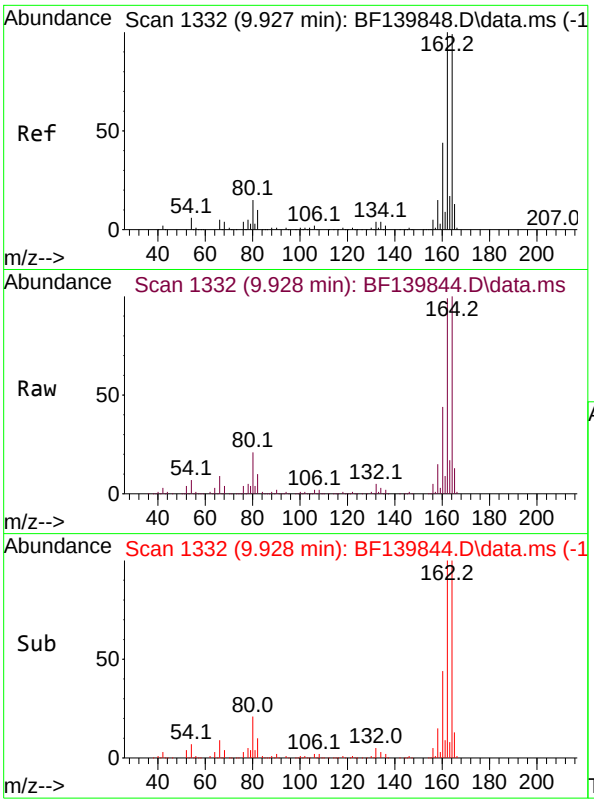
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.7
54	59.8



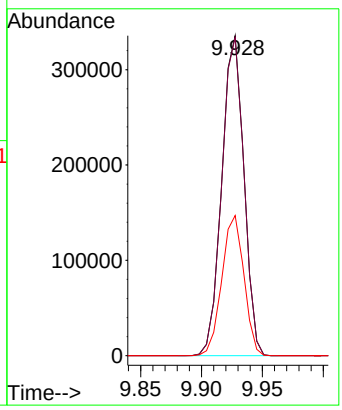


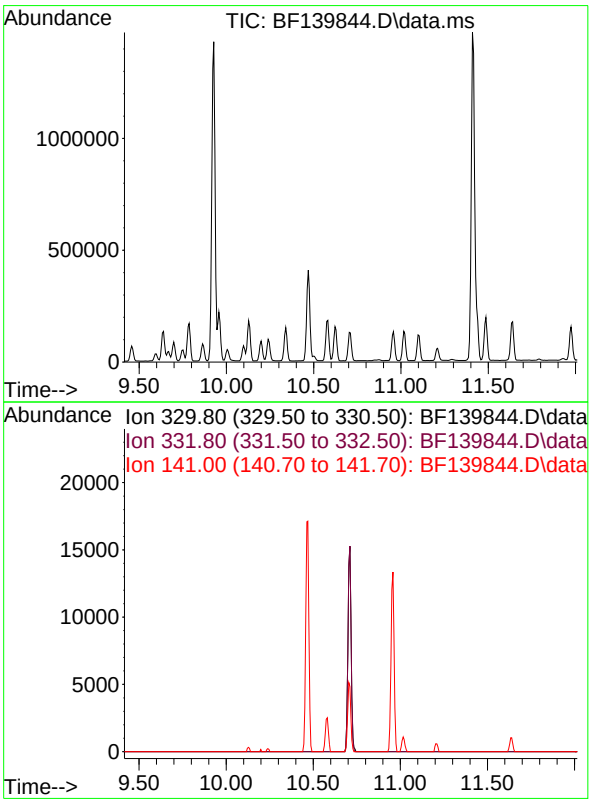
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 423999

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.0	121.4
160	43.8	35.4	53.0



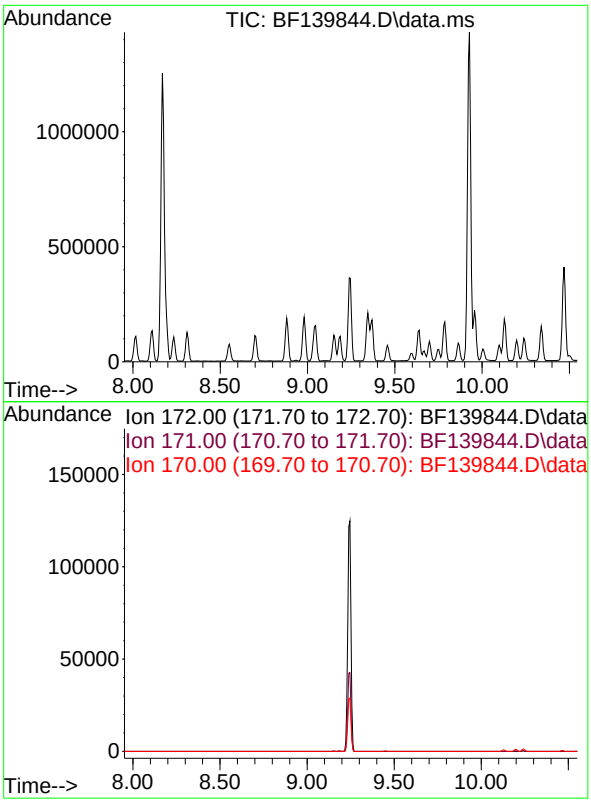


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.6
141	33.2



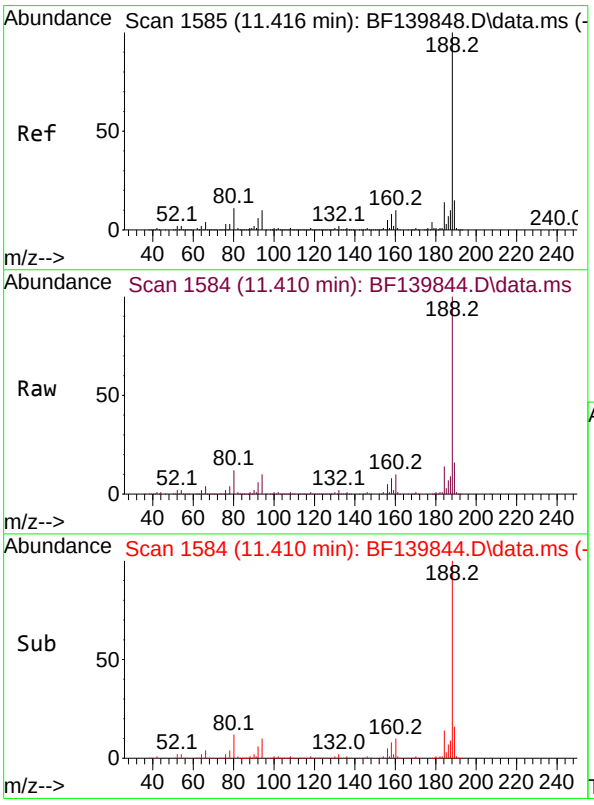
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

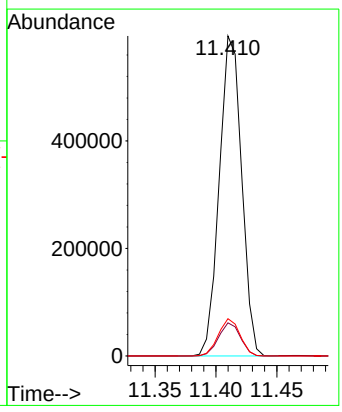
Sig	Exp Ratio
172	100
171	35.8
170	23.9

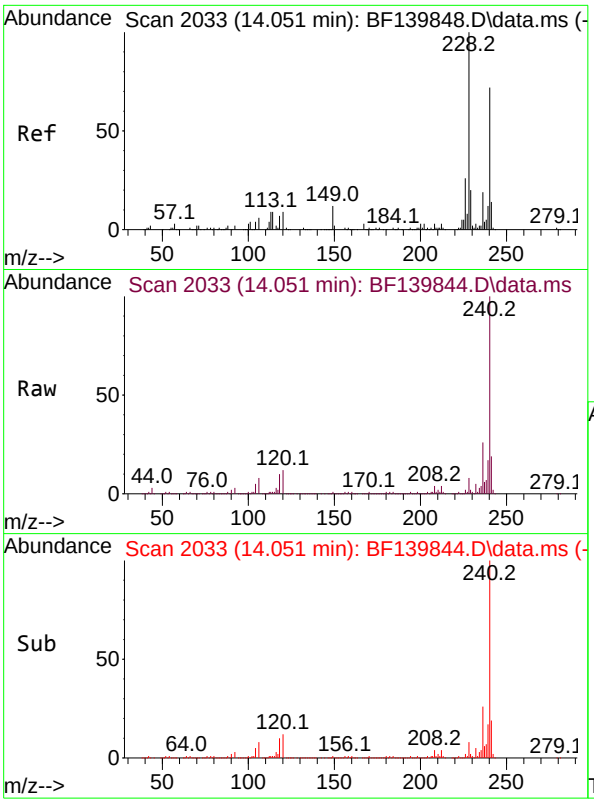


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion:188 Resp: 760140

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.9	11.9
80	11.6	9.0	13.4



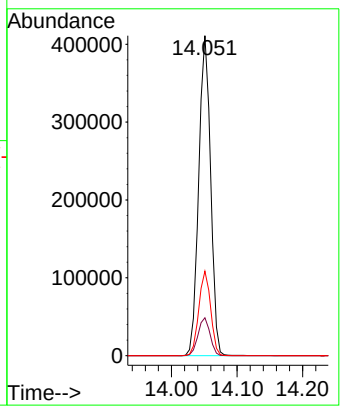


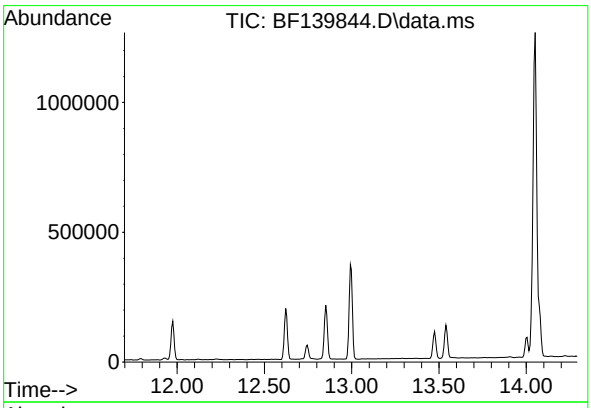
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 519381

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.4	14.2
236	26.4	20.9	31.3



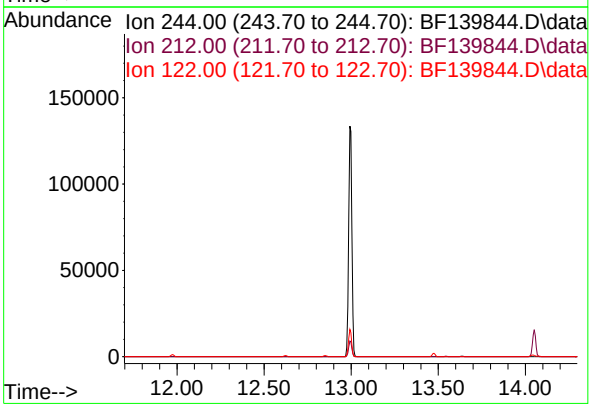


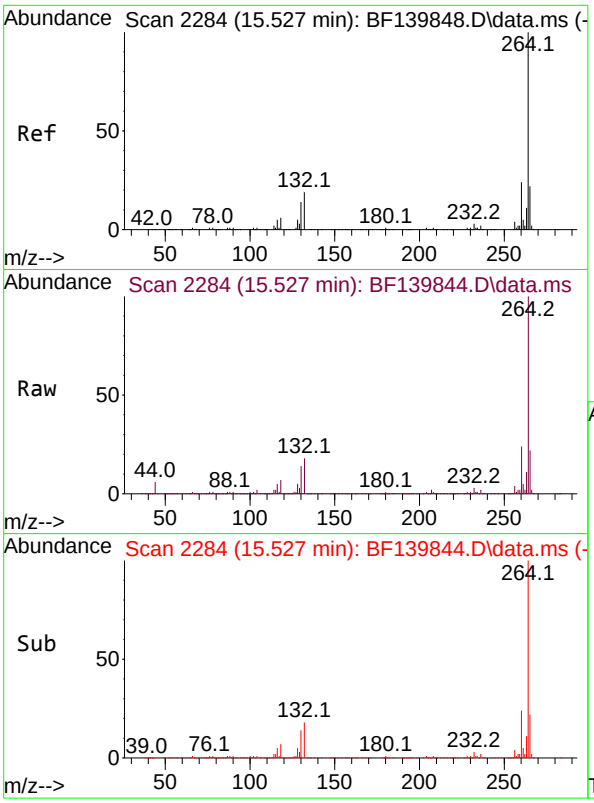
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	10.8



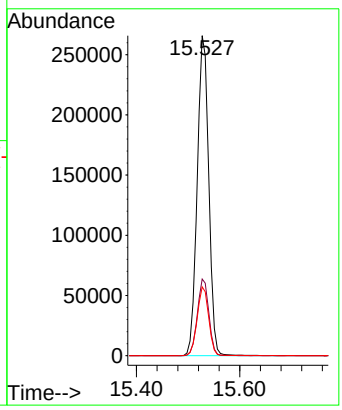


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139844.D
Acq: 18 Oct 2024 10:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 410408

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.5	17.4	26.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139845.D
Acq On : 18 Oct 2024 10:55
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Oct 18 14:16:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	189112	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	737062	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	414324	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	741430	20.000	ng		0.00
76) Chrysene-d12	14.051	240	477223	20.000	ng		0.00
86) Perylene-d12	15.527	264	377685	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	138495	11.465	ng		0.00
7) Phenol-d6	6.493	99	179648	11.482	ng		-0.02
23) Nitrobenzene-d5	7.445	82	134439	10.109	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	41682	10.755	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	313171	12.492	ng		0.00
79) Terphenyl-d14	12.992	244	329424	11.248	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	30759	5.461	ng		97
3) Pyridine	3.452	79	76703	5.494	ng		98
4) n-Nitrosodimethylamine	3.375	42	38552	5.140	ng	#	96
6) Aniline	6.545	93	79083	5.424	ng		98
8) 2-Chlorophenol	6.669	128	71065	5.754	ng		98
10) Phenol	6.510	94	92287	5.620	ng		95
11) bis(2-Chloroethyl)ether	6.616	93	69504	5.575	ng		98
12) 1,3-Dichlorobenzene	6.828	146	81239	5.731	ng		99
13) 1,4-Dichlorobenzene	6.904	146	81442	5.750	ng		99
14) 1,2-Dichlorobenzene	7.057	146	78458	5.936	ng		97
15) Benzyl Alcohol	7.016	79	64060	5.582	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	119350	5.614	ng		100
17) 2-Methylphenol	7.122	107	59770	5.676	ng		96
18) Hexachloroethane	7.404	117	27566	5.458	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	53958	5.686	ng		97
20) 3+4-Methylphenols	7.275	107	79329	5.890	ng		92
22) Acetophenone	7.287	105	106522	5.900	ng		98
24) Nitrobenzene	7.463	77	76831	5.269	ng		96
25) Isophorone	7.698	82	139084	5.510	ng		100
26) 2-Nitrophenol	7.781	139	22867	4.157	ng		95
27) 2,4-Dimethylphenol	7.810	122	52430	5.716	ng		97
28) bis(2-Chloroethoxy)met...	7.916	93	86298	5.643	ng		99
29) 2,4-Dichlorophenol	8.016	162	56772	5.434	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	64640	5.592	ng		99
31) Naphthalene	8.192	128	222725	5.859	ng		99
33) 4-Chloroaniline	8.234	127	73196	5.647	ng		99
34) Hexachlorobutadiene	8.310	225	41186	5.670	ng		97
35) Caprolactam	8.557	113	16989	5.114	ng		98
36) 4-Chloro-3-methylphenol	8.704	107	62903	5.438	ng		99
37) 2-Methylnaphthalene	8.881	142	136292	5.854	ng		99
38) 1-Methylnaphthalene	8.981	142	133747	5.856	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	63046	5.640	ng		100
41) Hexachlorocyclopentadiene	9.039	237	19121	4.916	ng		97
43) 2,4,6-Trichlorophenol	9.151	196	41997	5.307	ng		98
44) 2,4,5-Trichlorophenol	9.187	196	44086	5.399	ng		99
46) 1,1'-Biphenyl	9.345	154	169920	5.891	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139845.D
Acq On : 18 Oct 2024 10:55
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Oct 18 14:16:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.369	162	133456	5.745	ng		99
48) 2-Nitroaniline	9.457	65	30999	4.363	ng		99
49) Acenaphthylene	9.786	152	192014	5.717	ng		99
50) Dimethylphthalate	9.639	163	146096	5.661	ng		100
51) 2,6-Dinitrotoluene	9.698	165	26490	4.741	ng		96
52) Acenaphthene	9.957	154	124288	5.721	ng		100
53) 3-Nitroaniline	9.863	138	27995	4.858	ng	#	94
55) Dibenzofuran	10.128	168	182985	5.870	ng		98
56) 4-Nitrophenol	10.004	139	19402	4.376	ng		89
57) 2,4-Dinitrotoluene	10.098	165	29038	4.226	ng		92
58) Fluorene	10.469	166	145913	6.146	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	34636	5.411	ng		97
60) Diethylphthalate	10.339	149	141466	5.583	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	72331	6.033	ng		96
62) 4-Nitroaniline	10.469	138	25747	4.731	ng		96
63) Azobenzene	10.622	77	151158	5.627	ng		99
66) n-Nitrosodiphenylamine	10.581	169	124472	5.609	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	42707	5.591	ng		94
68) Hexachlorobenzene	11.016	284	47895	5.575	ng		98
69) Atrazine	11.104	200	35075	5.835	ng		99
70) Pentachlorophenol	11.210	266	21781	4.178	ng		93
71) Phenanthrene	11.433	178	207716	5.931	ng		98
72) Anthracene	11.486	178	200621	5.871	ng		99
73) Carbazole	11.639	167	185743	5.845	ng		99
74) Di-n-butylphthalate	11.975	149	204647	5.574	ng		99
75) Fluoranthene	12.622	202	213038	6.017	ng		100
77) Benzidine	12.745	184	54501	7.022	ng		99
78) Pyrene	12.851	202	225742	5.404	ng		99
80) Butylbenzylphthalate	13.474	149	58502	4.671	ng		100
81) Benzo(a)anthracene	14.039	228	170026	5.473	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	43937	4.851	ng		100
83) Chrysene	14.074	228	158121	5.551	ng		98
84) Bis(2-ethylhexyl)phtha...	14.033	149	62085	4.419	ng		97
87) Indeno(1,2,3-cd)pyrene	17.010	276	114185	4.699	ng		98
88) Benzo(b)fluoranthene	15.092	252	124353	5.405	ng		100
89) Benzo(k)fluoranthene	15.121	252	114525	5.772	ng		99
90) Benzo(a)pyrene	15.463	252	97243	5.137	ng		100
91) Dibenzo(a,h)anthracene	17.033	278	96416	4.757	ng		99
92) Benzo(g,h,i)perylene	17.457	276	97292	4.805	ng		99

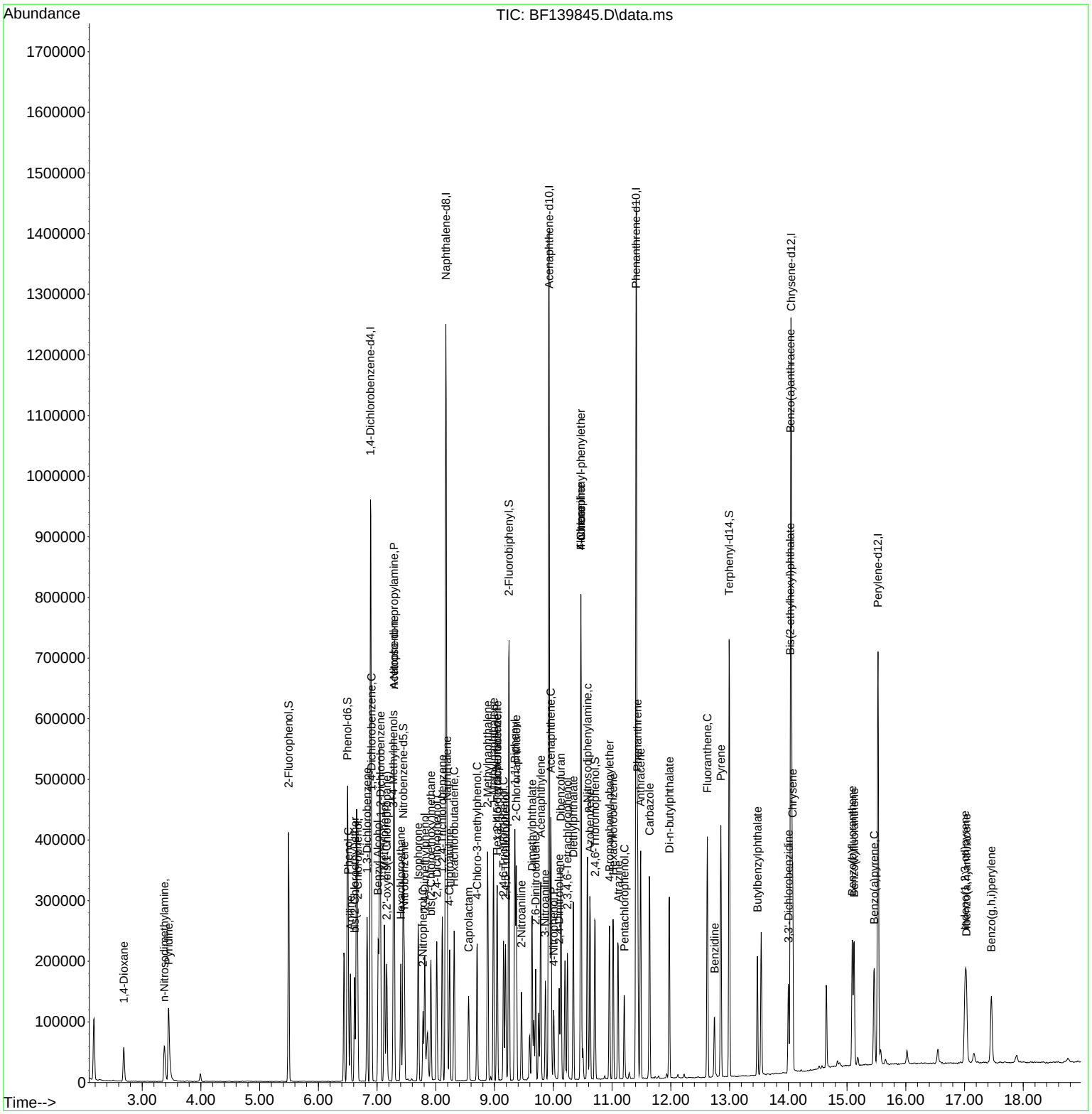
(#) = qualifier out of range (m) = manual integration (+) = signals summed

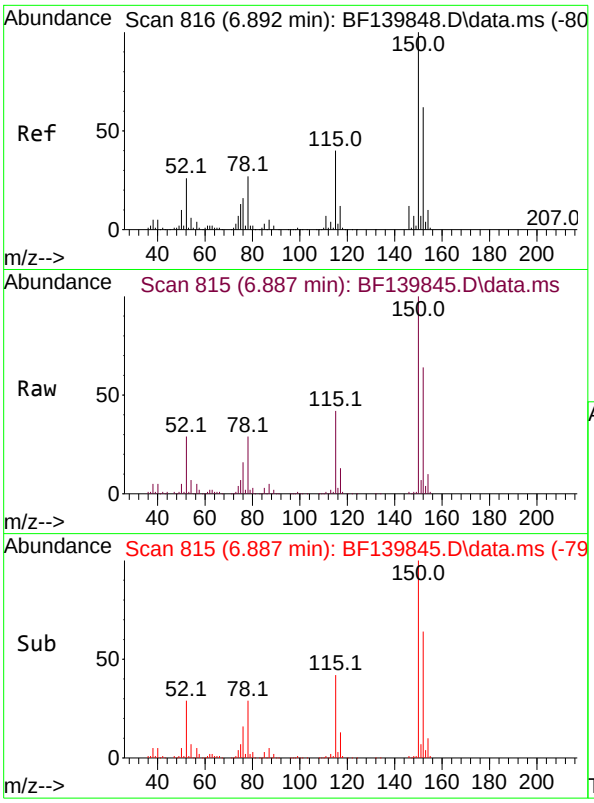
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139845.D
Acq On : 18 Oct 2024 10:55
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Oct 18 14:16:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration



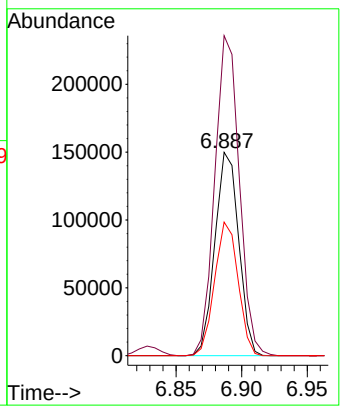


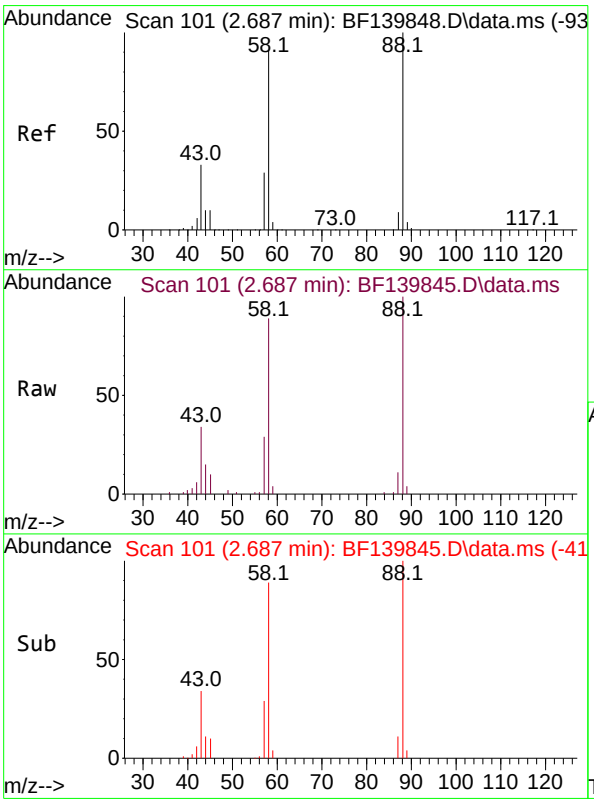
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 189112

Ion	Ratio	Lower	Upper
152	100		
150	157.4	130.2	195.2
115	65.7	51.4	77.2

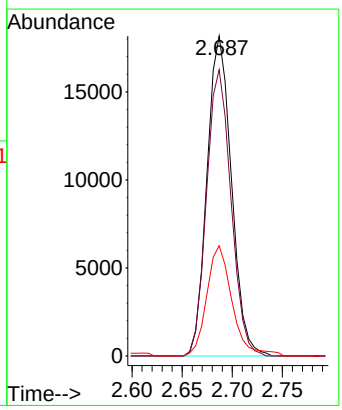


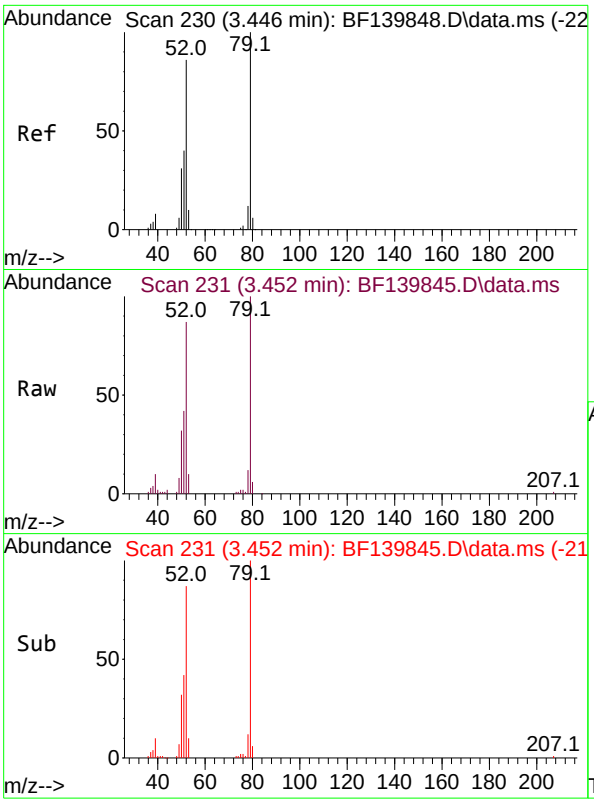


#2
1,4-Dioxane
Concen: 5.461 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 88 Resp: 30759

Ion	Ratio	Lower	Upper
88	100		
58	89.3	73.3	109.9
43	35.6	27.1	40.7



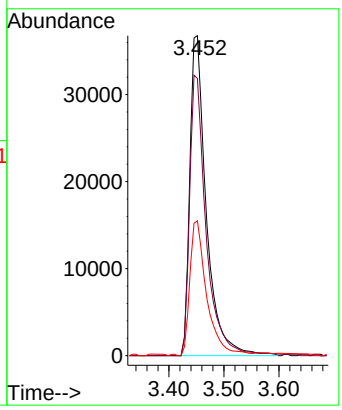


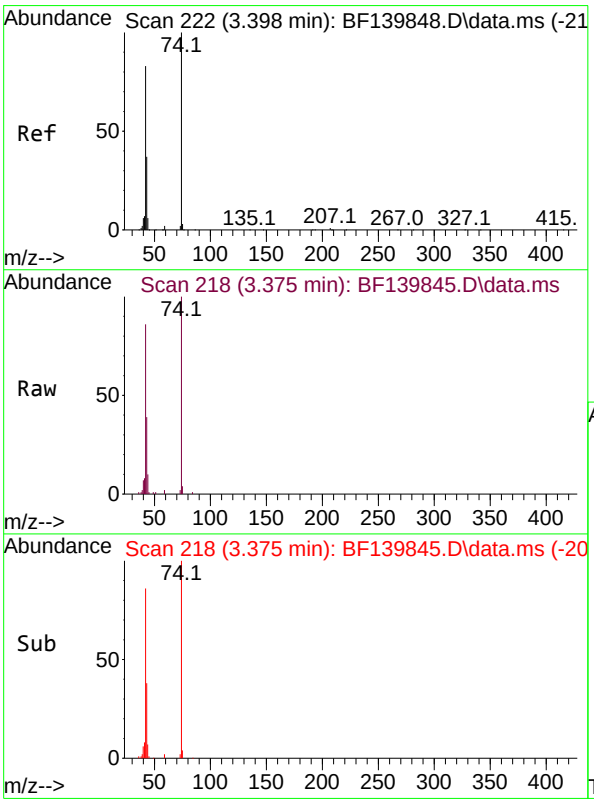
#3
Pyridine
Concen: 5.494 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 76703

Ion	Ratio	Lower	Upper
79	100		
52	86.7	68.5	102.7
51	42.2	32.3	48.5

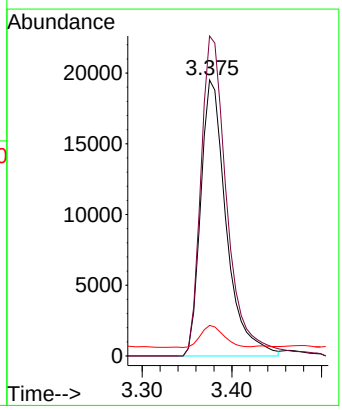


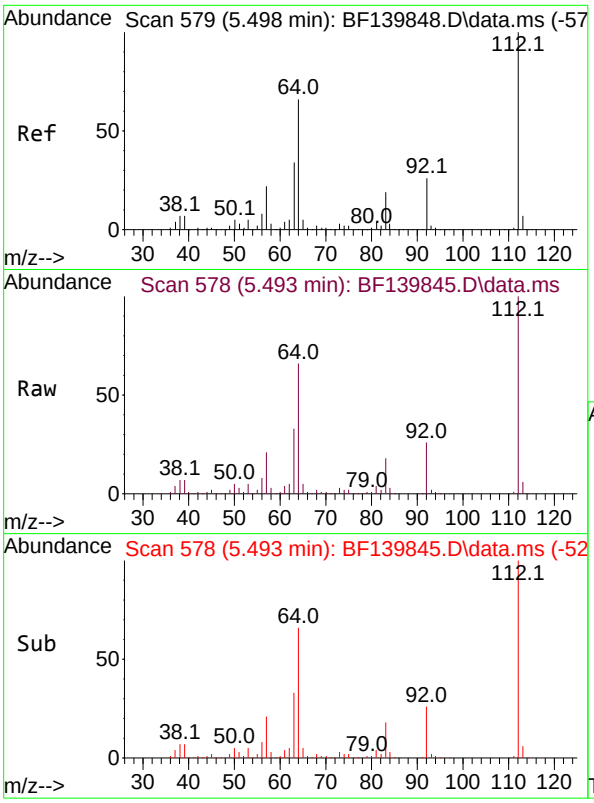


#4
n-Nitrosodimethylamine
Concen: 5.140 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.023 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 42 Resp: 38552

Ion	Ratio	Lower	Upper
42	100		
74	115.9	96.2	144.4
44	11.0	6.2	9.2#



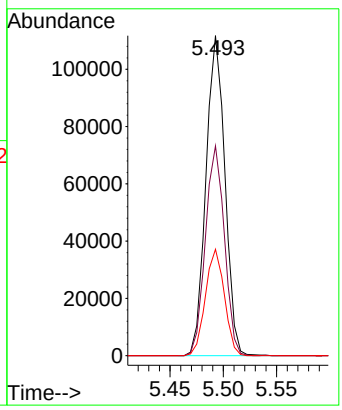


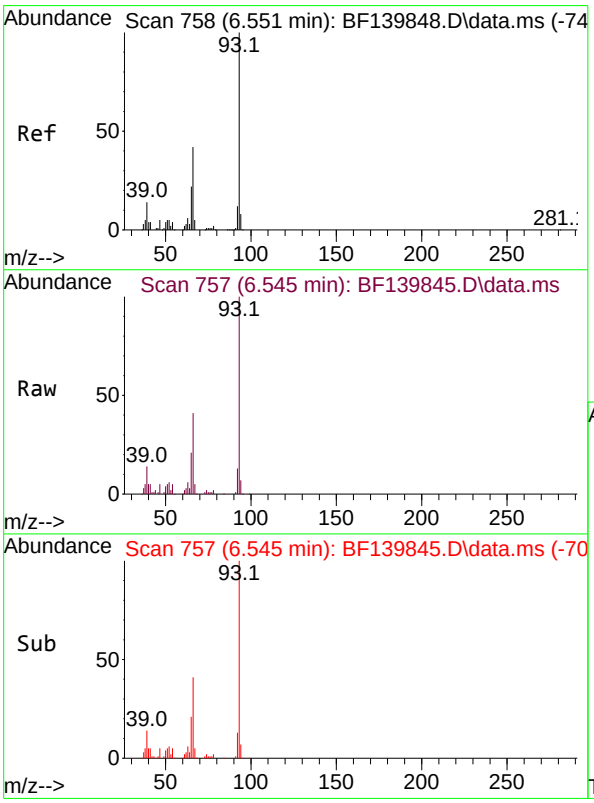
#5
2-Fluorophenol
Concen: 11.465 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 138495

Ion	Ratio	Lower	Upper
112	100		
64	65.5	53.0	79.6
63	33.2	27.0	40.4

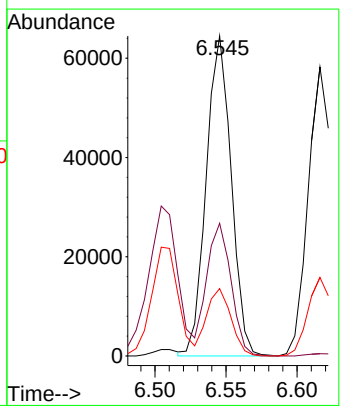


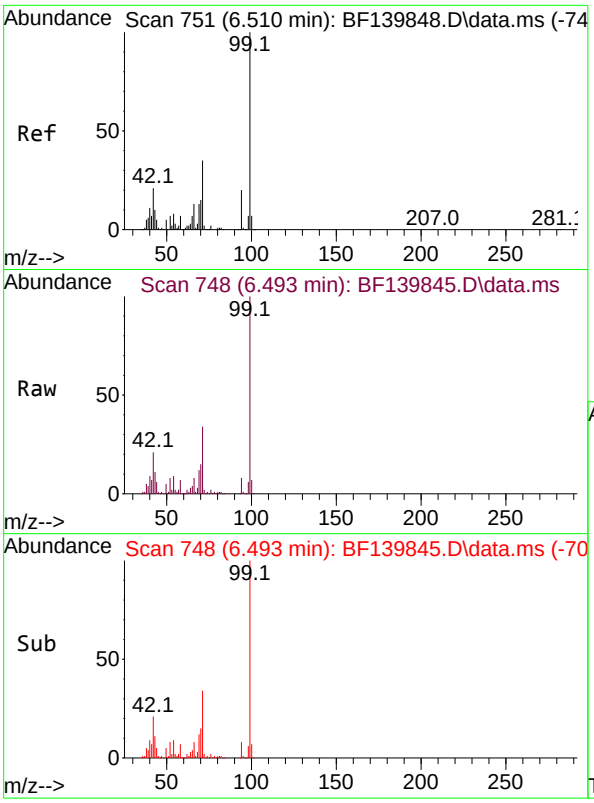


#6
Aniline
Concen: 5.424 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 79083

Ion	Ratio	Lower	Upper
93	100		
66	41.4	34.0	51.0
65	21.1	17.4	26.0



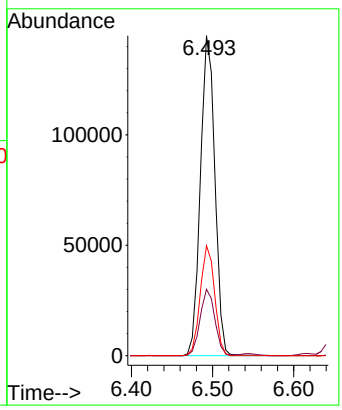


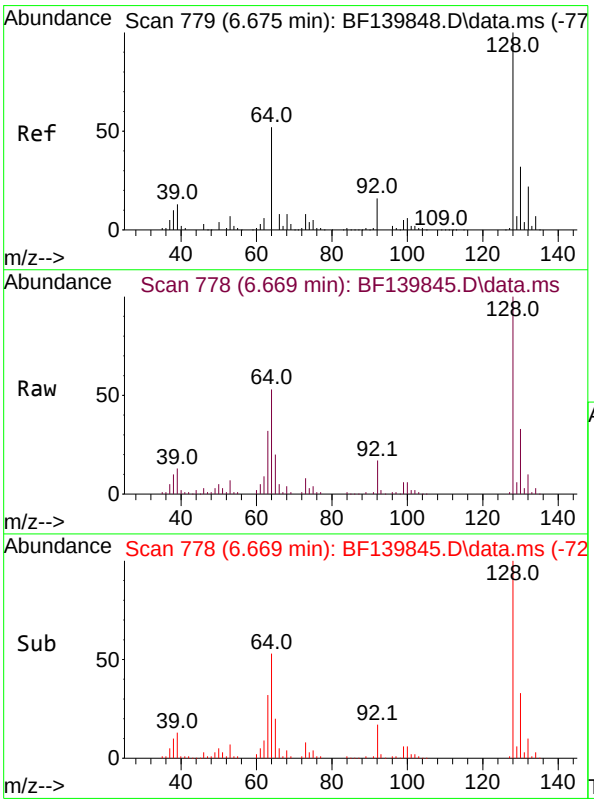
#7
Phenol-d6
Concen: 11.482 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 179648

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.7	25.1
71	34.3	27.7	41.5

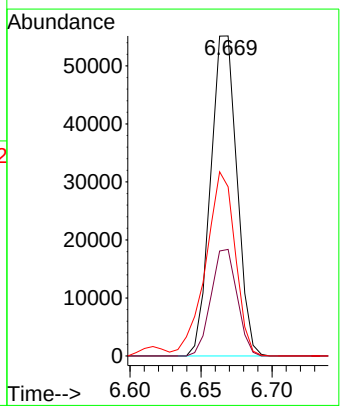


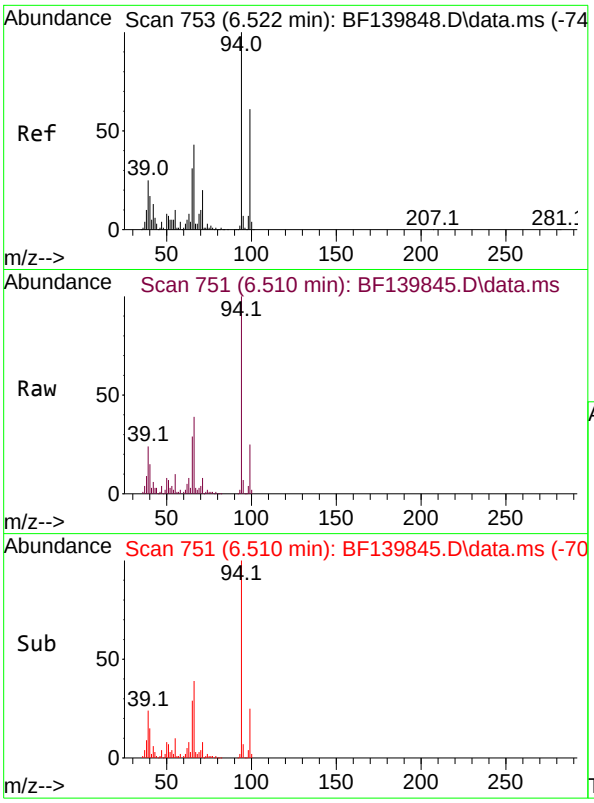


#8
2-Chlorophenol
Concen: 5.754 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:128 Resp: 71065

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.3	52.3
64	52.8	34.6	74.6



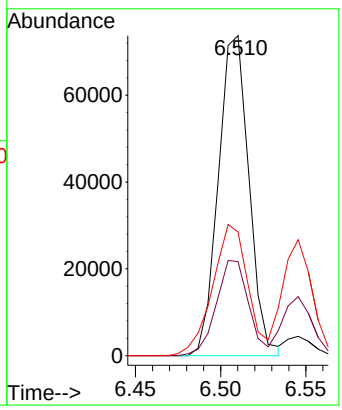


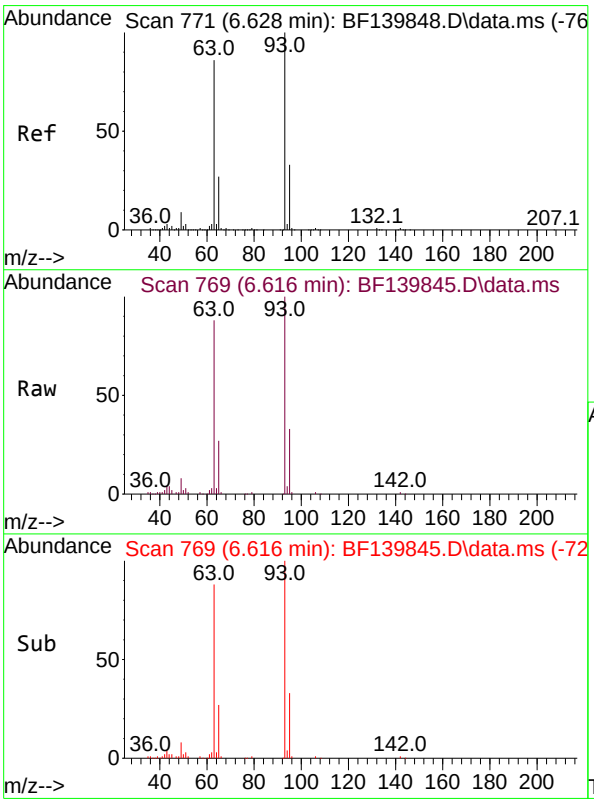
#10
Phenol
Concen: 5.620 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 94 Resp: 92287

Ion	Ratio	Lower	Upper
94	100		
65	29.4	11.1	51.1
66	38.6	22.7	62.7

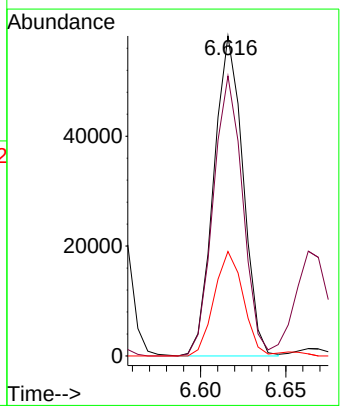


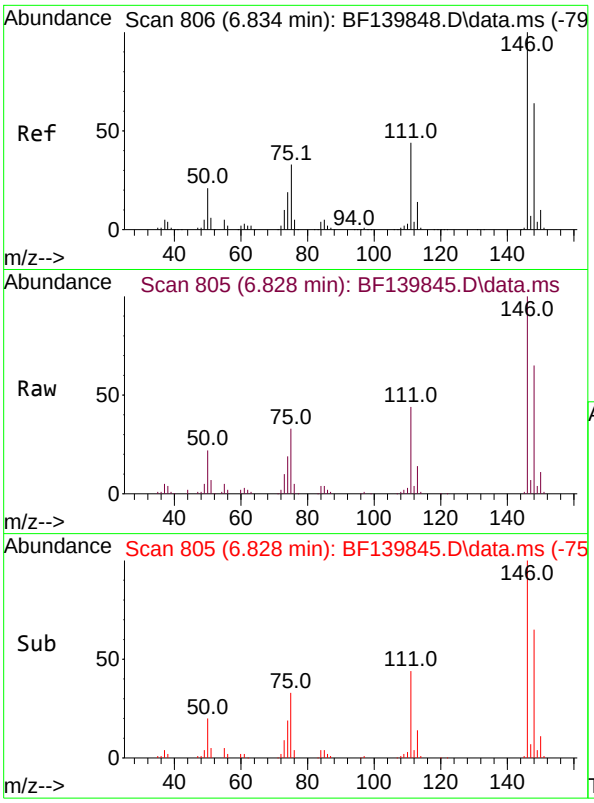


#11
bis(2-Chloroethyl)ether
Concen: 5.575 ng
RT: 6.616 min Scan# 769
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 93 Resp: 69504

Ion	Ratio	Lower	Upper
93	100		
63	87.5	65.0	105.0
95	32.6	12.4	52.4



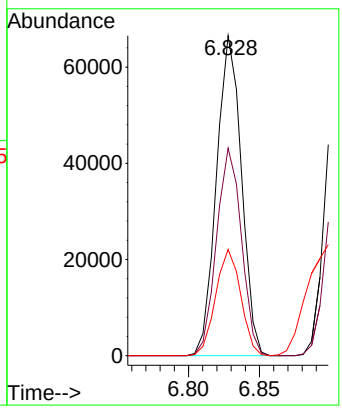


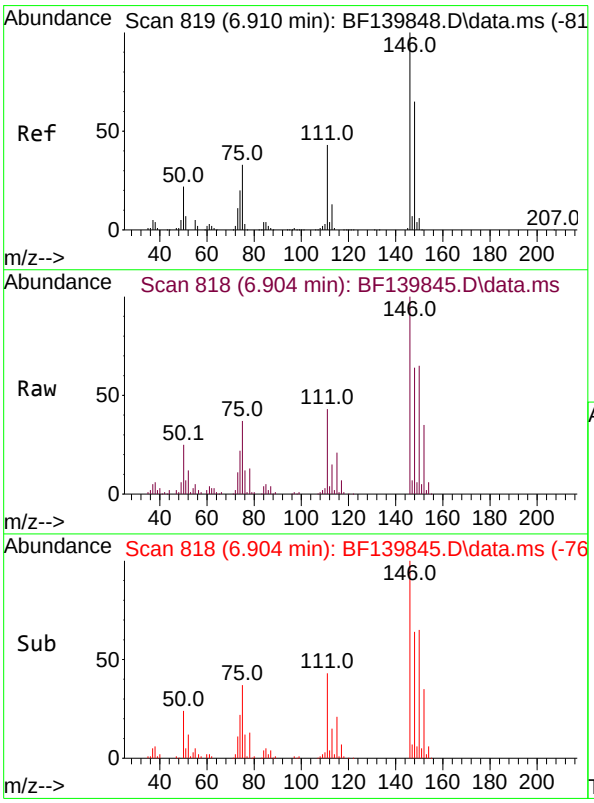
#12
1,3-Dichlorobenzene
Concen: 5.731 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 81239

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.4
75	33.2	26.4	39.6

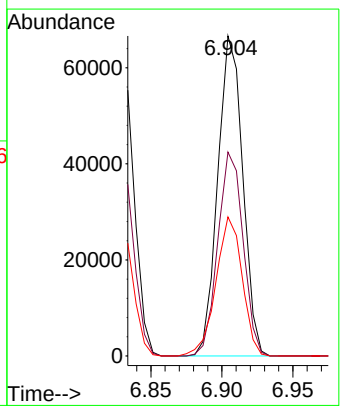


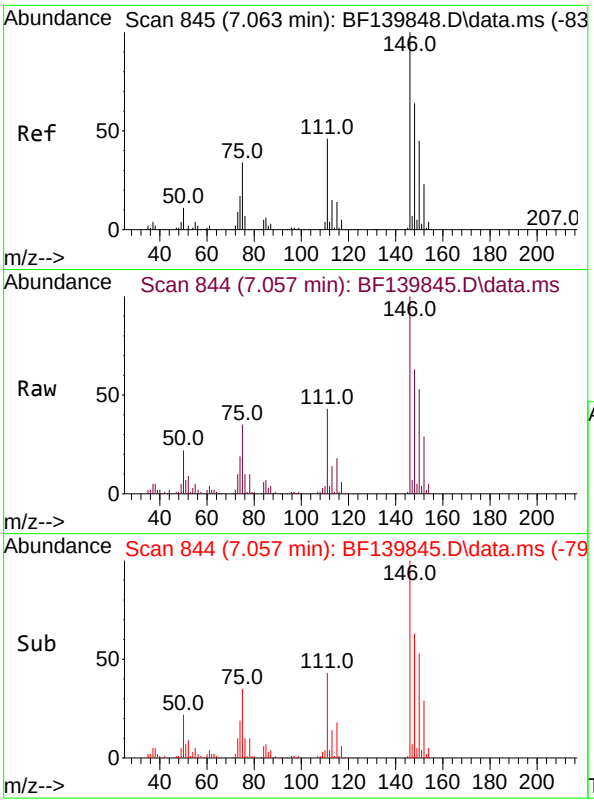


#13
1,4-Dichlorobenzene
Concen: 5.750 ng
RT: 6.904 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:146 Resp: 81442

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.8
111	43.5	34.6	51.8



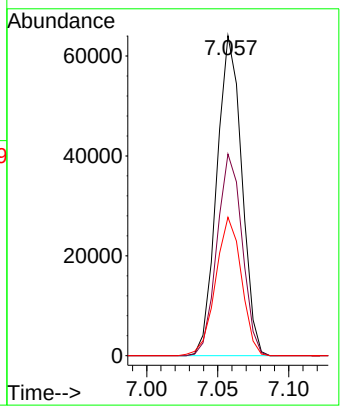


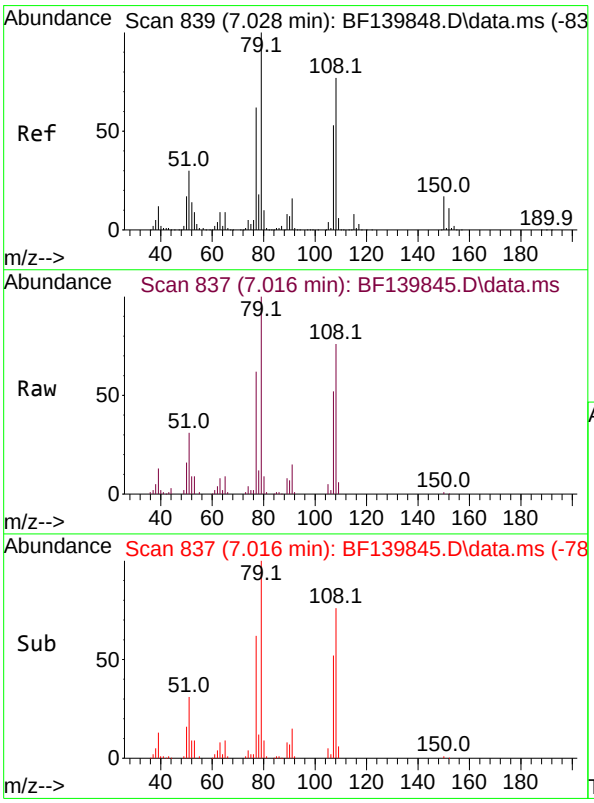
#14
1,2-Dichlorobenzene
Concen: 5.936 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 78458

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.2
111	43.3	36.7	55.1

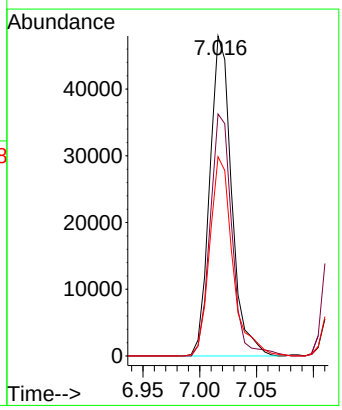


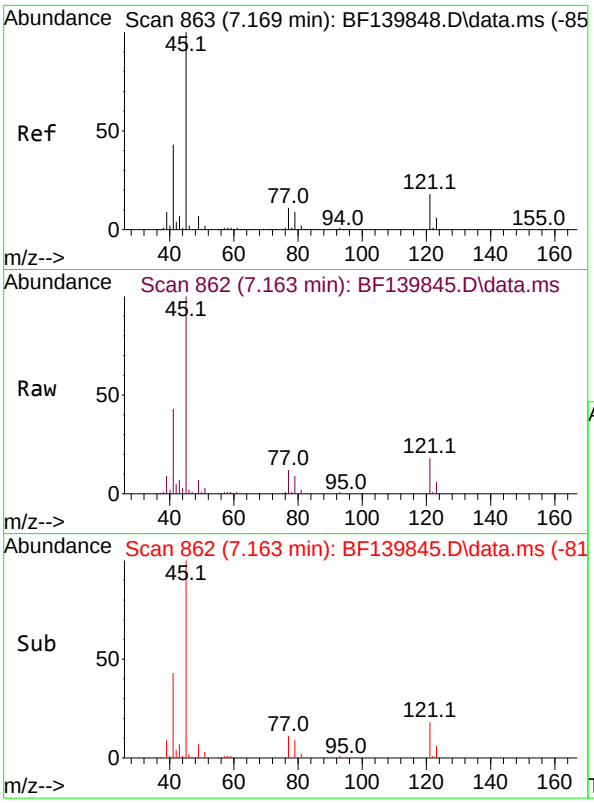


#15
Benzyl Alcohol
Concen: 5.582 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 79 Resp: 64060

Ion	Ratio	Lower	Upper
79	100		
108	75.6	61.4	92.0
77	62.3	49.9	74.9



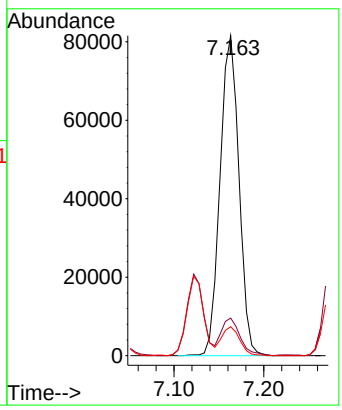


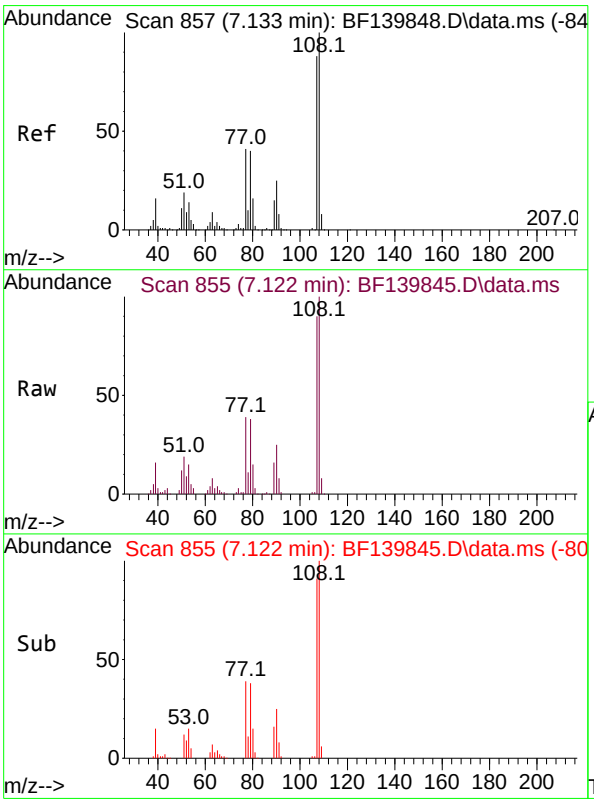
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.614 ng
RT: 7.163 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 119350

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.5
79	9.1	0.0	29.1

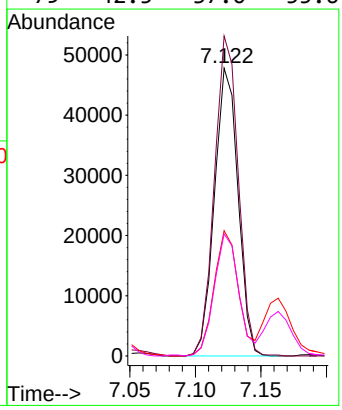


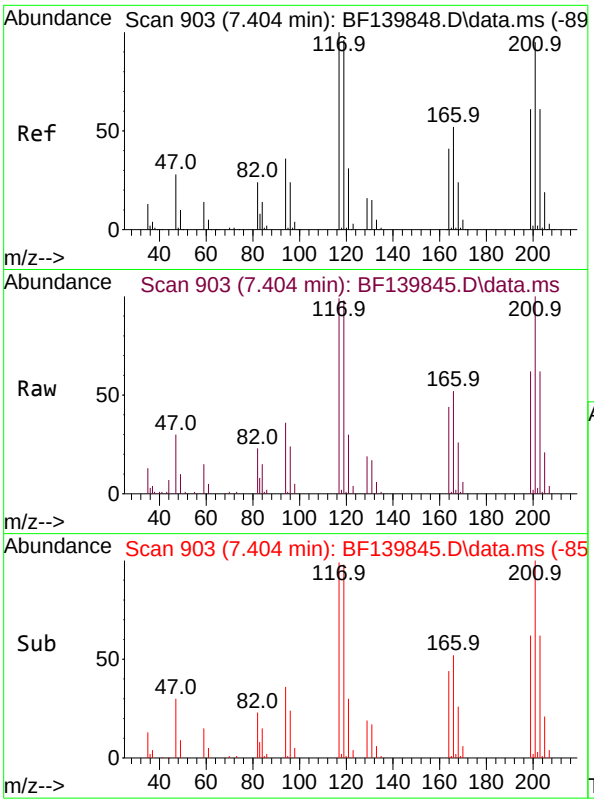


#17
2-Methylphenol
Concen: 5.676 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:107 Resp: 59770

Ion	Ratio	Lower	Upper
107	100		
108	111.2	91.3	136.9
77	43.6	37.1	55.7
79	42.5	37.0	55.6



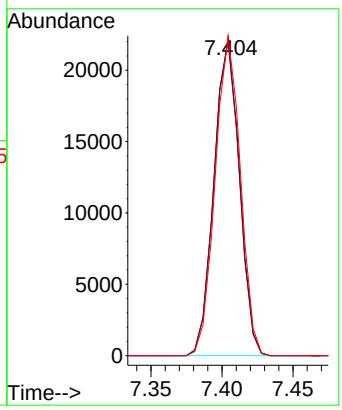


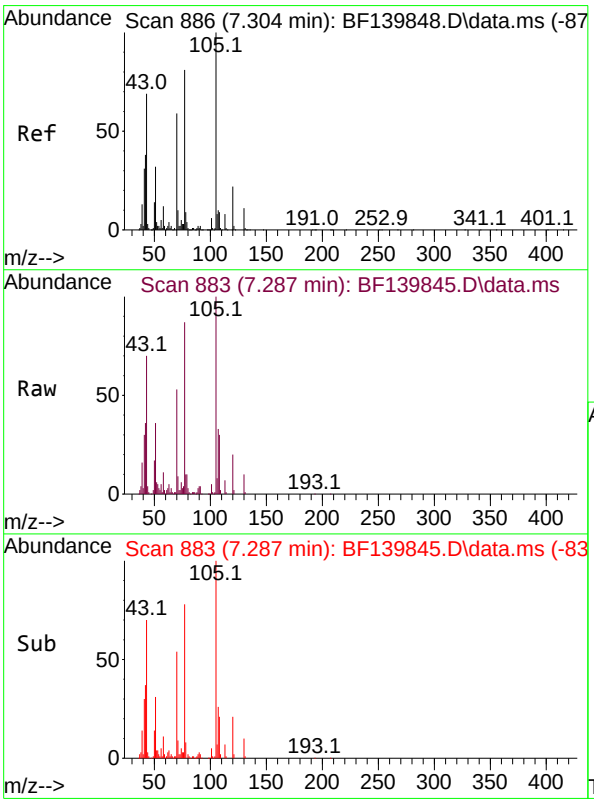
#18
Hexachloroethane
Concen: 5.458 ng
RT: 7.404 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 27566

Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.0	115.4
201	101.0	76.2	114.4

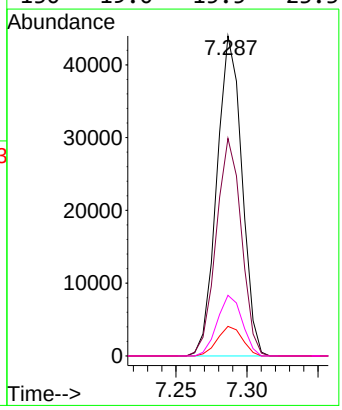


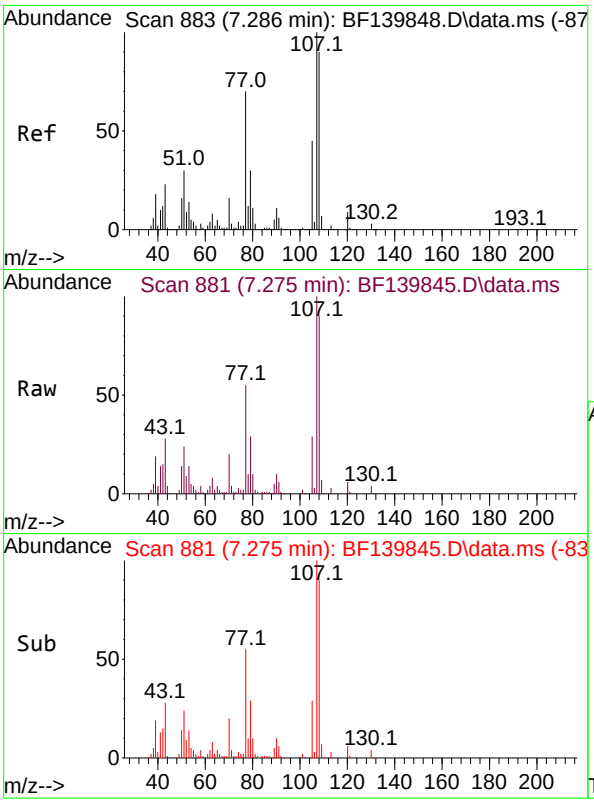


#19
n-Nitroso-di-n-propylamine
Concen: 5.686 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 70 Resp: 53958

Ion	Ratio	Lower	Upper
70	100		
42	68.0	51.5	77.3
101	9.2	7.5	11.3
130	19.0	15.5	23.3



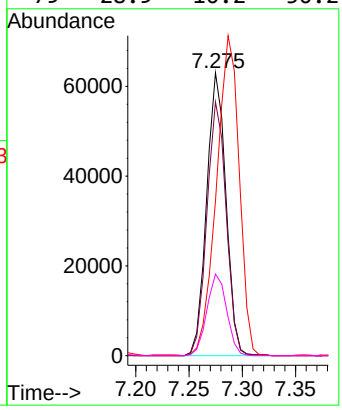


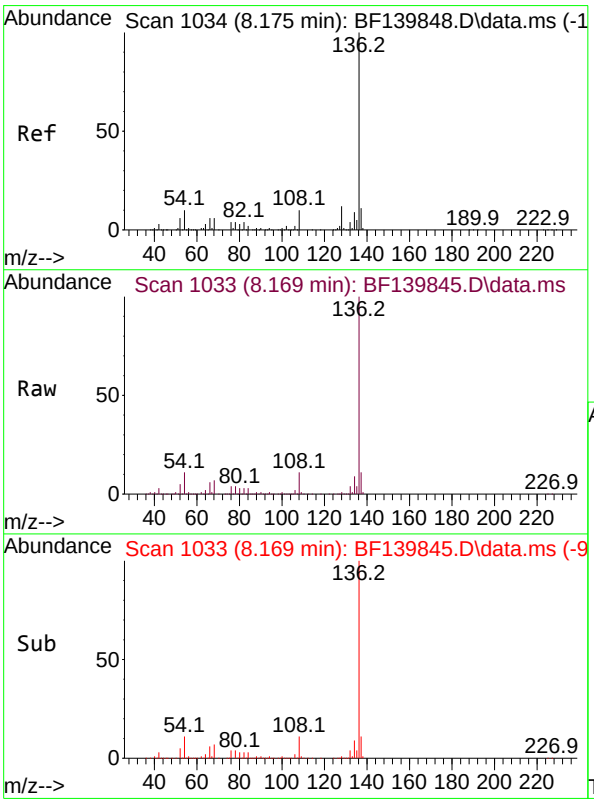
#20
3+4-Methylphenols
Concen: 5.890 ng
RT: 7.275 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 79329

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.8	109.8
77	54.7	50.5	90.5
79	28.9	10.2	50.2

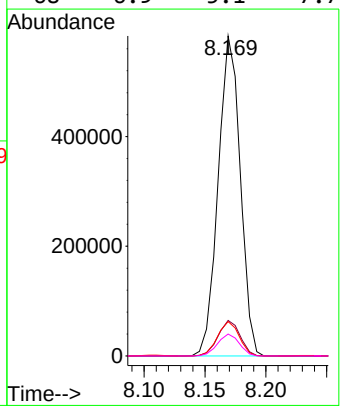


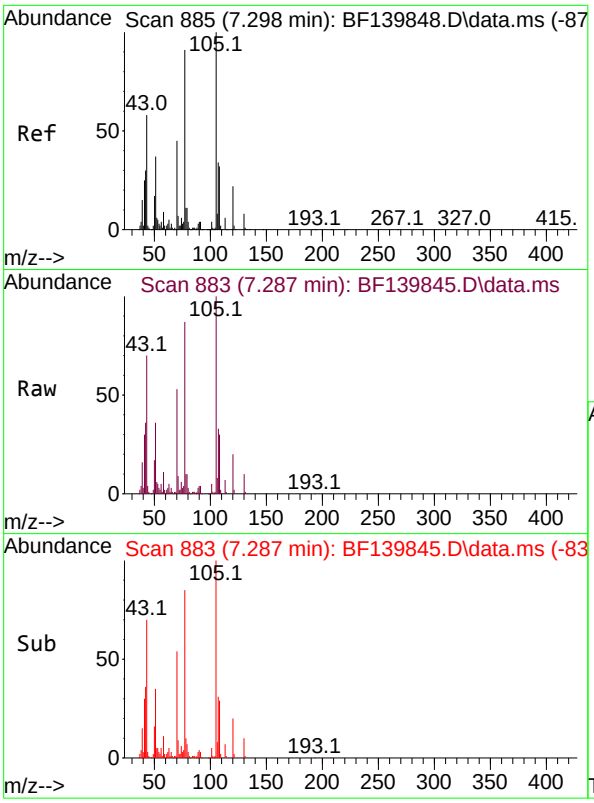


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:136 Resp: 737062

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.7	8.4	12.6
68	6.9	5.1	7.7



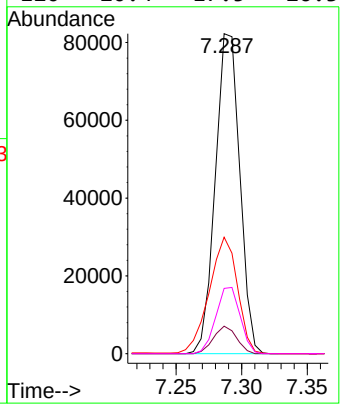


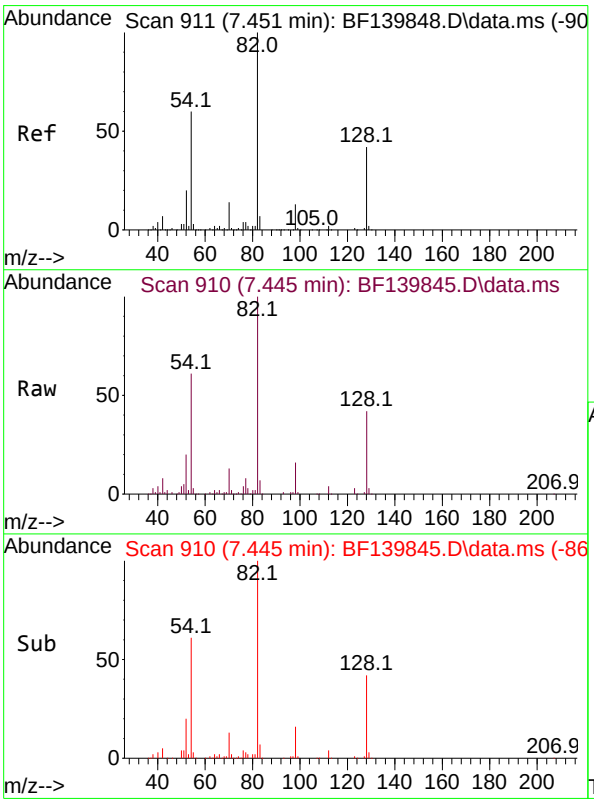
#22
Acetophenone
Concen: 5.900 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:105 Resp: 106522

Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.9	8.9
51	36.4	29.4	44.2
120	20.4	17.5	26.3

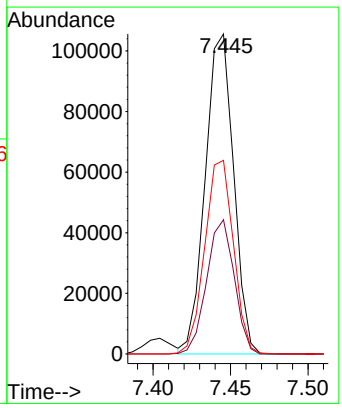


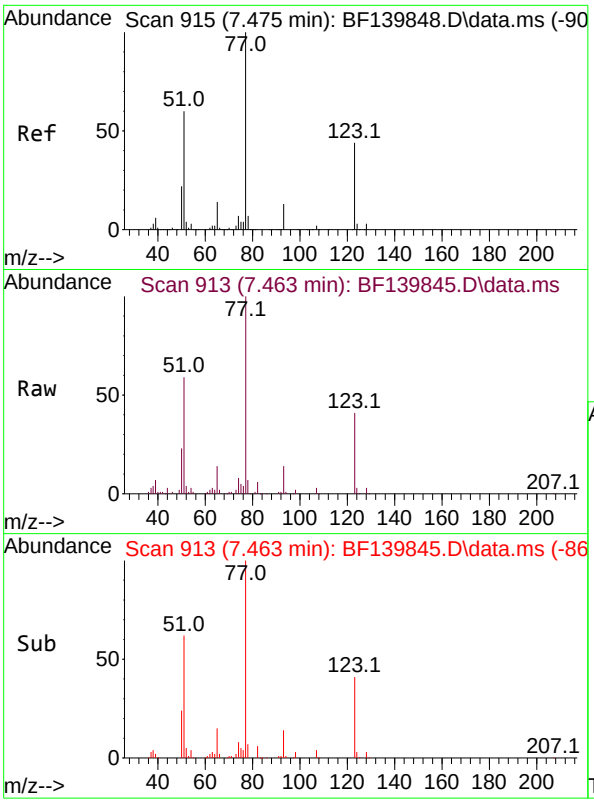


#23
Nitrobenzene-d5
Concen: 10.109 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 82 Resp: 134439

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.4	50.0
54	60.5	47.8	71.8



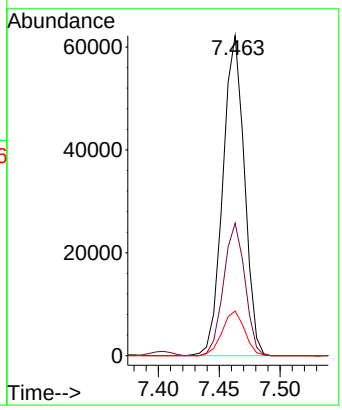


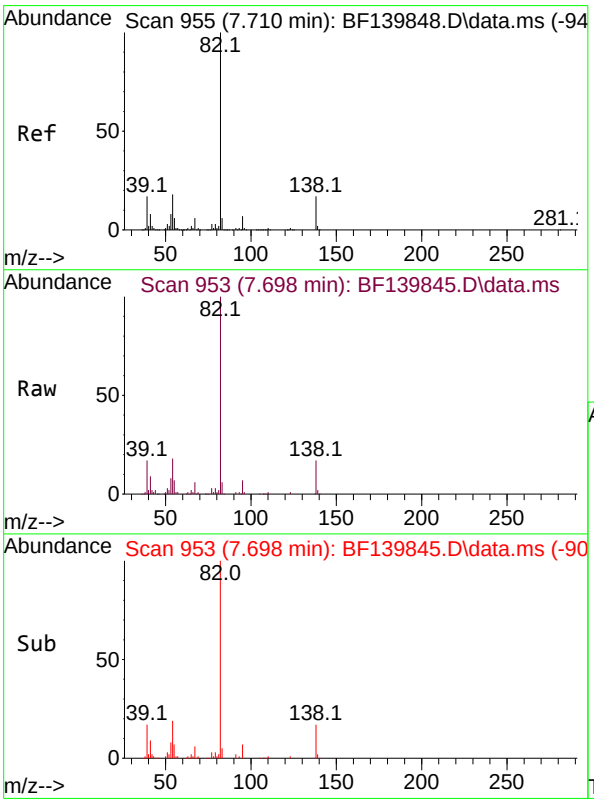
#24
Nitrobenzene
Concen: 5.269 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 76831

Ion	Ratio	Lower	Upper
77	100		
123	41.4	35.7	53.5
65	14.0	11.5	17.3

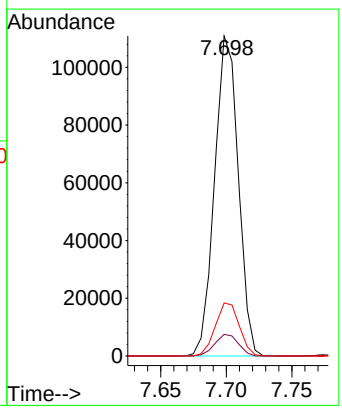


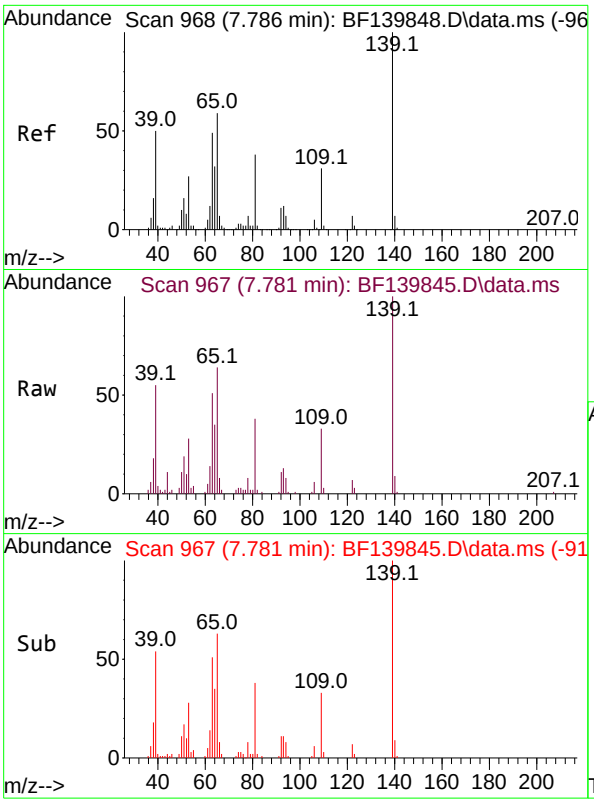


#25
Isophorone
Concen: 5.510 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 82 Resp: 139084

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	16.5	13.2	19.8



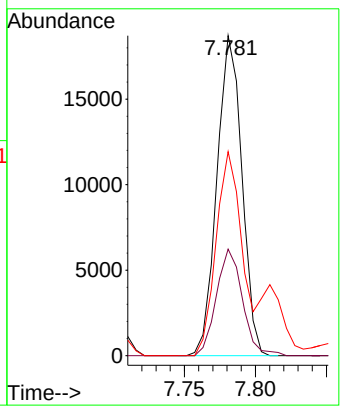


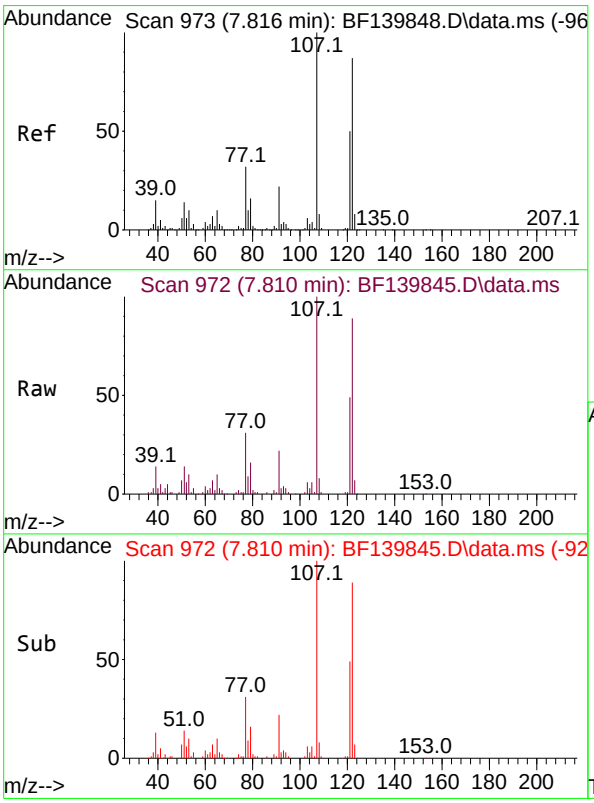
#26
2-Nitrophenol
Concen: 4.157 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 22867

Ion	Ratio	Lower	Upper
139	100		
109	33.3	25.1	37.7
65	63.8	47.5	71.3

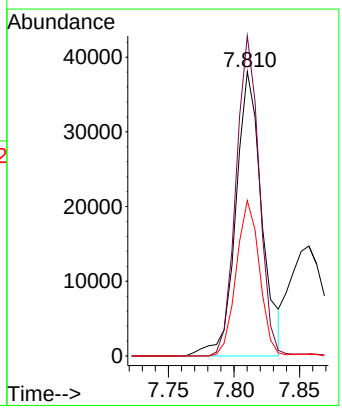


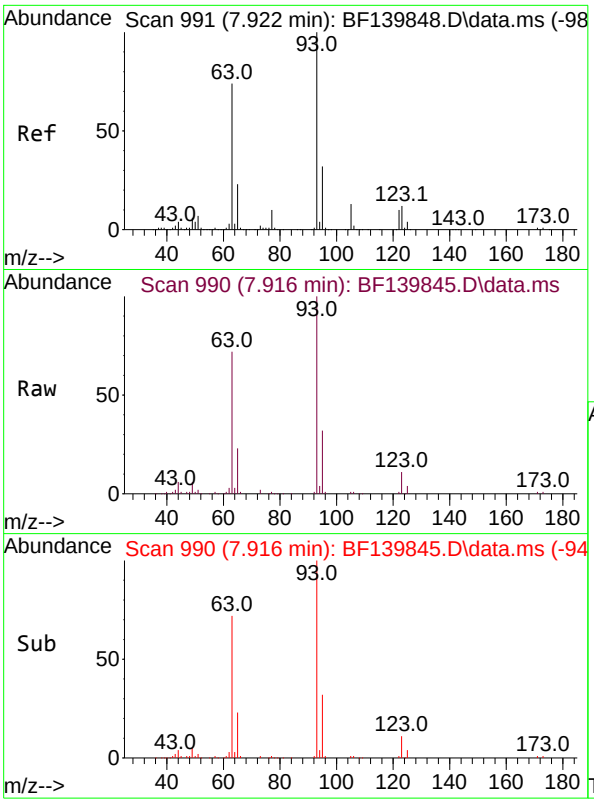


#27
2,4-Dimethylphenol
Concen: 5.716 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:122 Resp: 52430

Ion	Ratio	Lower	Upper
122	100		
107	112.5	91.9	137.9
121	54.7	46.2	69.4



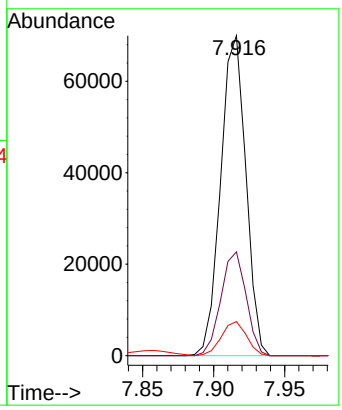


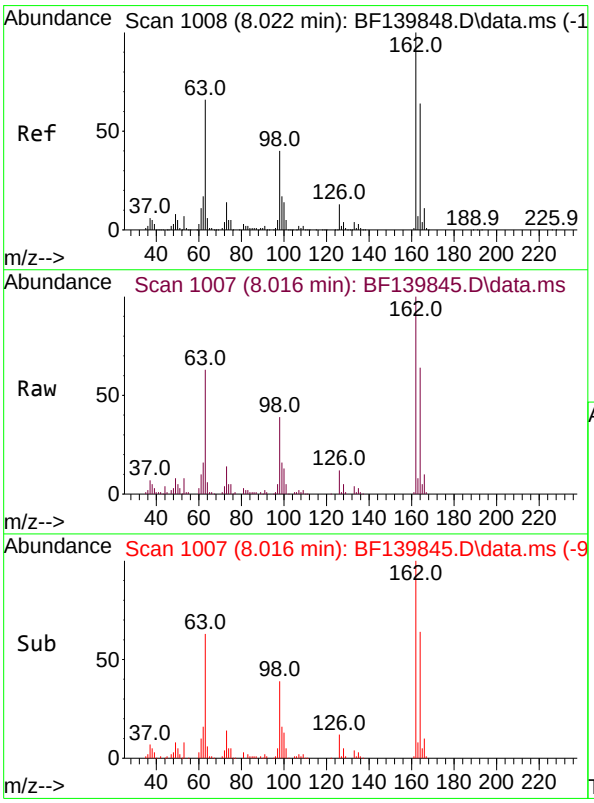
#28
bis(2-Chloroethoxy)methane
Concen: 5.643 ng
RT: 7.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 86298

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	10.6	9.8	14.8

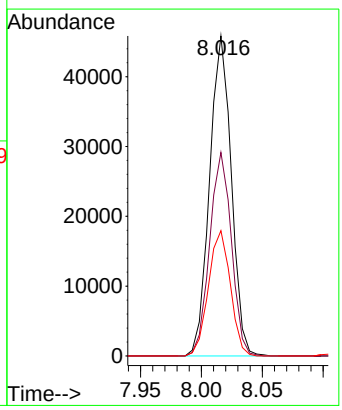


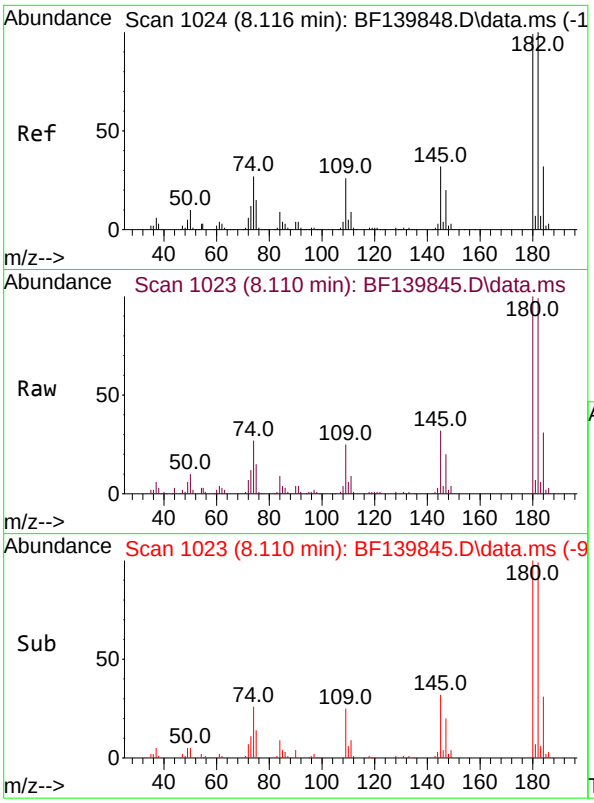


#29
2,4-Dichlorophenol
Concen: 5.434 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:162 Resp: 56772

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.9	83.9
98	39.2	19.9	59.9



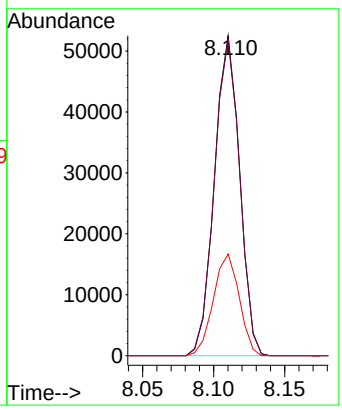


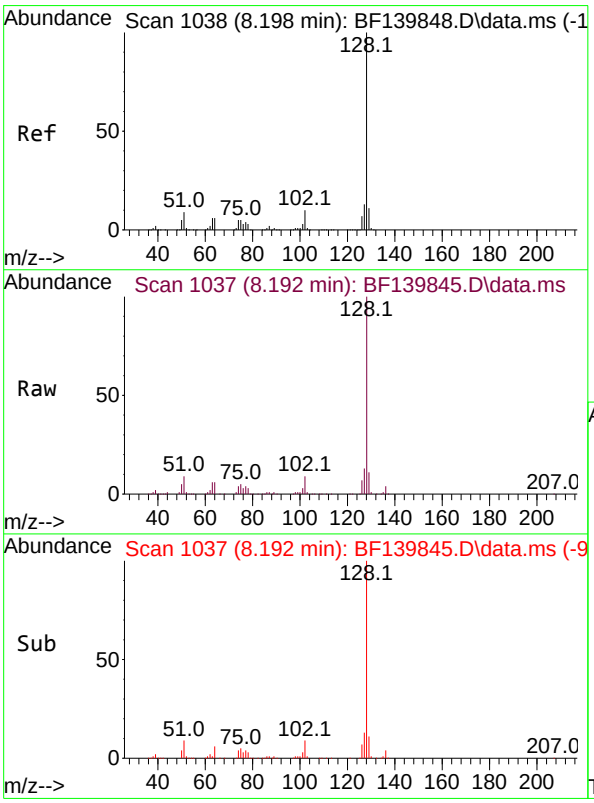
#30
1,2,4-Trichlorobenzene
Concen: 5.592 ng
RT: 8.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:180 Resp: 64640

Ion	Ratio	Lower	Upper
180	100		
182	98.8	80.5	120.7
145	31.8	25.4	38.0

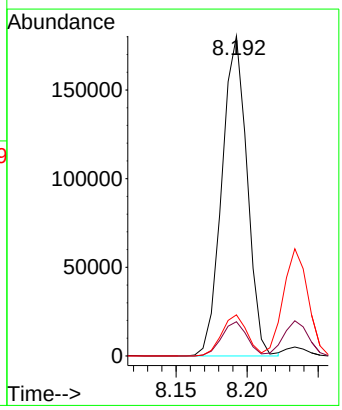


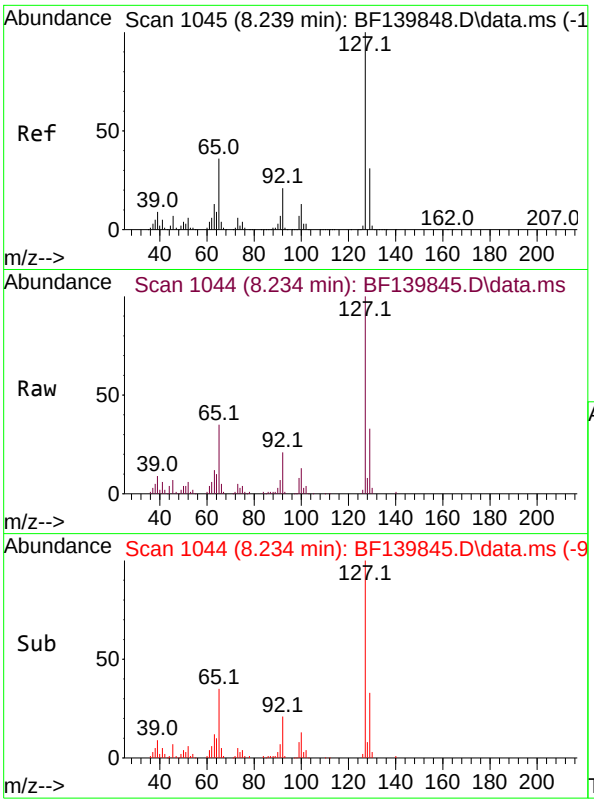


#31
Naphthalene
Concen: 5.859 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:128 Resp: 222725

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.9	10.6	16.0



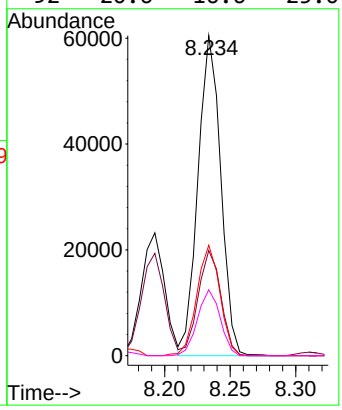


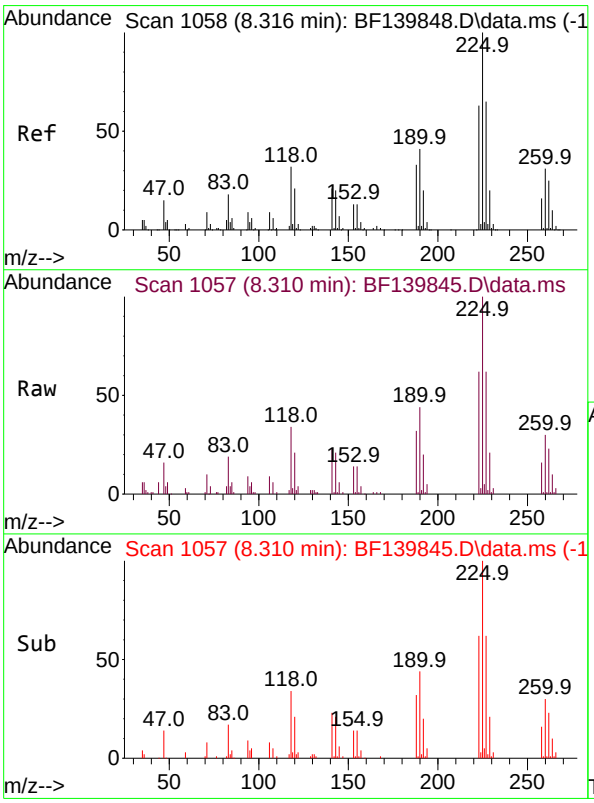
#33
4-Chloroaniline
Concen: 5.647 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 73196

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.4	38.2
65	34.5	28.4	42.6
92	20.6	16.6	25.0

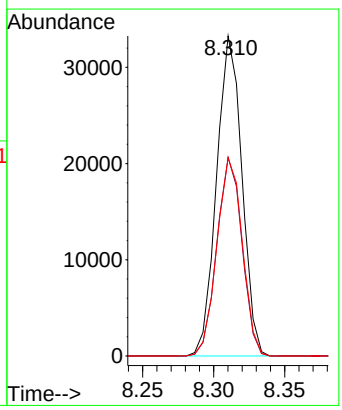


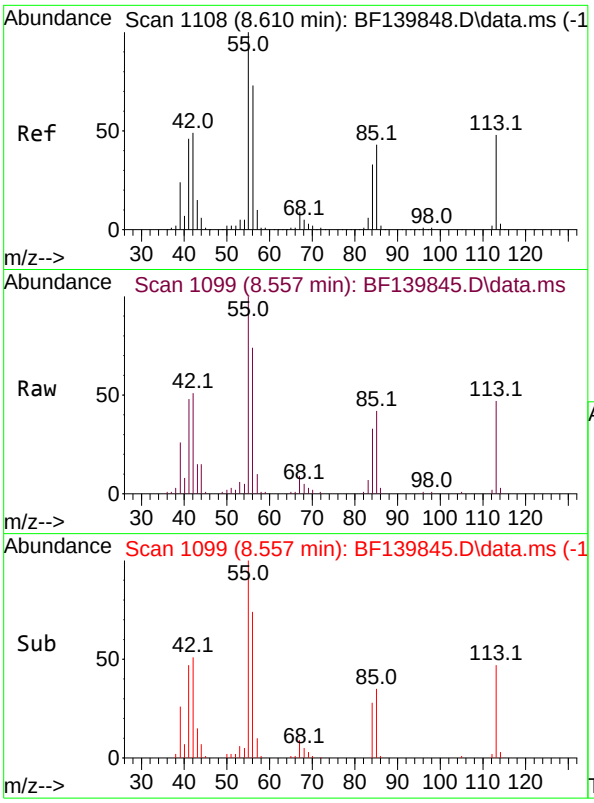


#34
Hexachlorobutadiene
Concen: 5.670 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:225 Resp: 41186

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	76.0
227	61.9	51.8	77.8



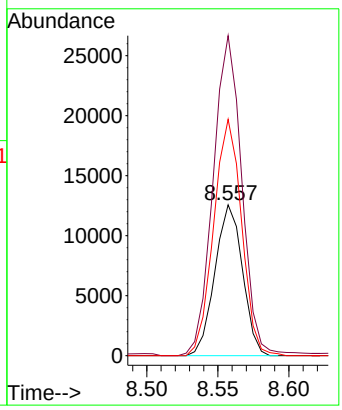


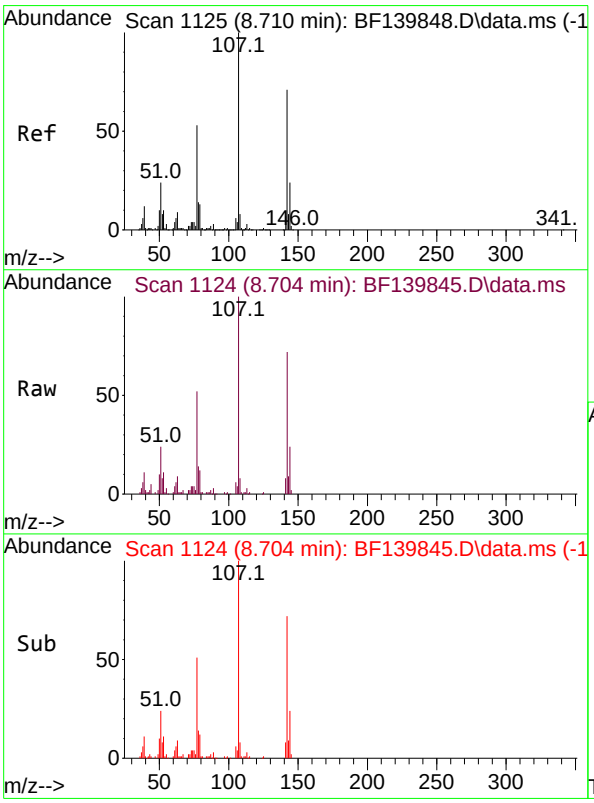
#35
Caprolactam
Concen: 5.114 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 16989

Ion	Ratio	Lower	Upper
113	100		
55	212.2	189.2	229.2
56	156.7	132.5	172.5

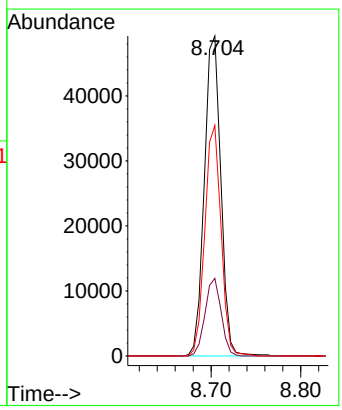


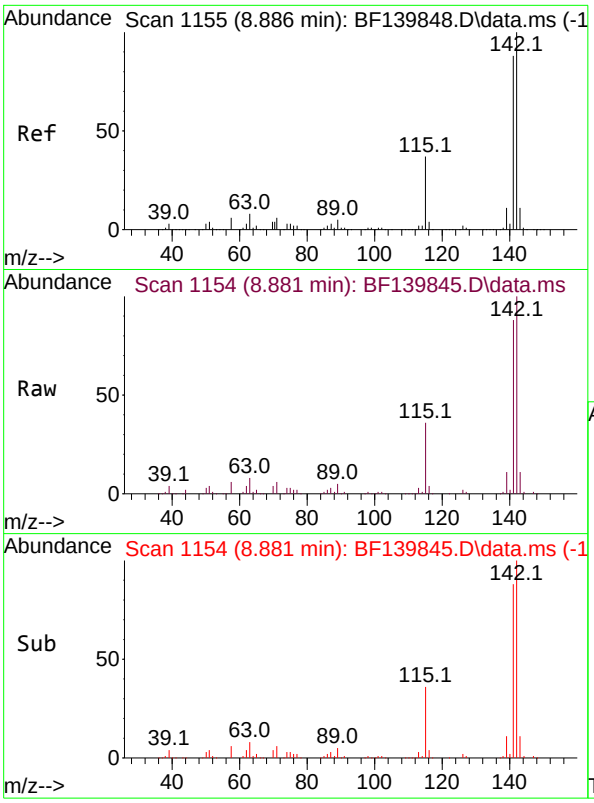


#36
4-Chloro-3-methylphenol
Concen: 5.438 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:107 Resp: 62903

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	72.0	57.2	85.8



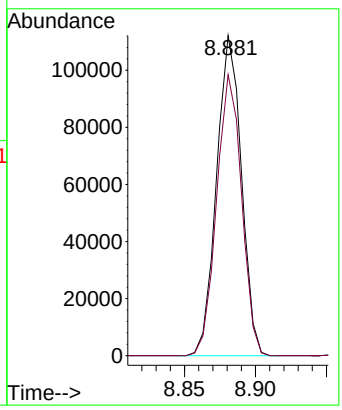


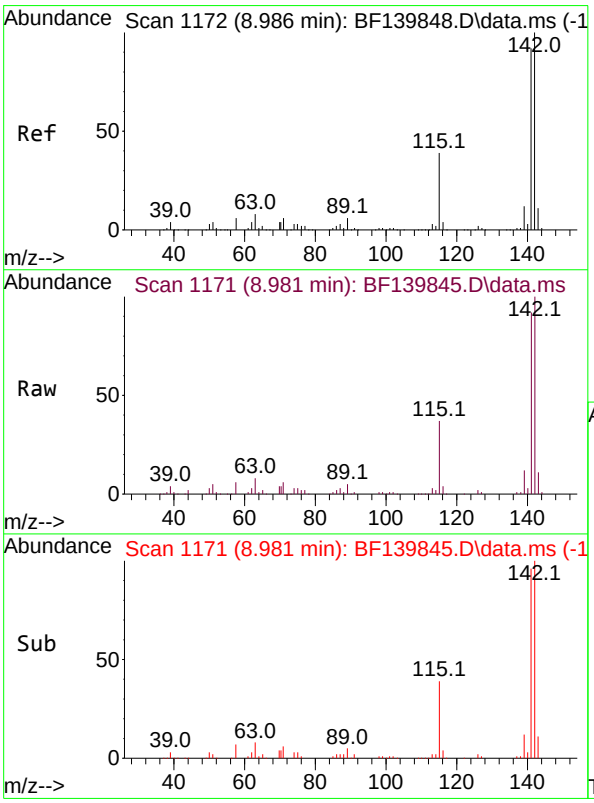
#37
2-Methylnaphthalene
Concen: 5.854 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 136292

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2

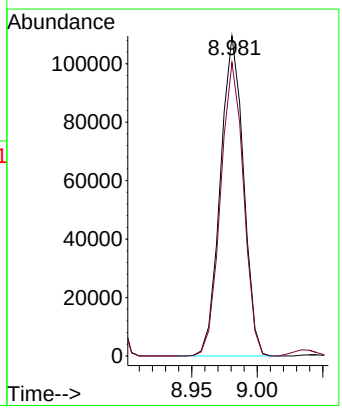


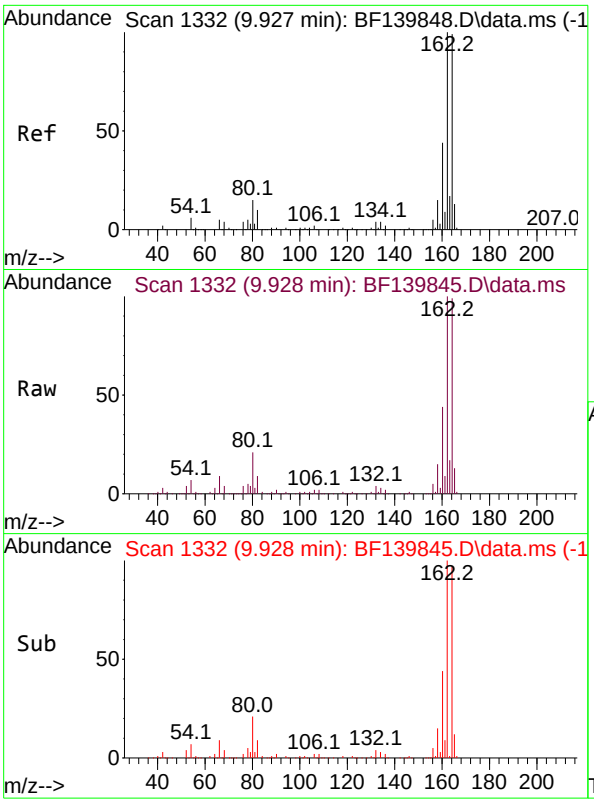


#38
1-Methylnaphthalene
Concen: 5.856 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:142 Resp: 133747

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.5	110.3



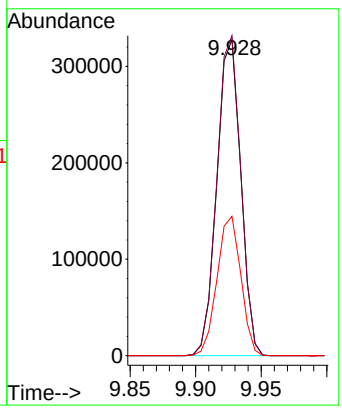


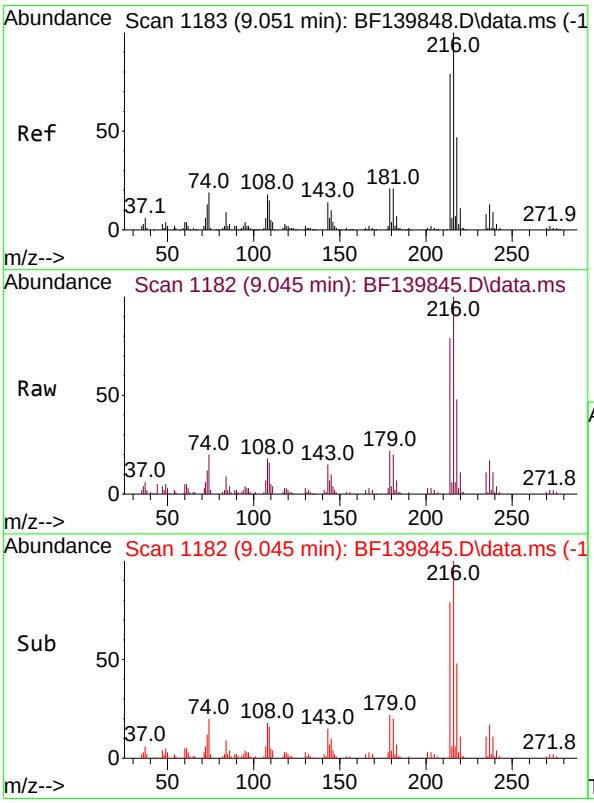
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 414324

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.4
160	44.1	35.4	53.0

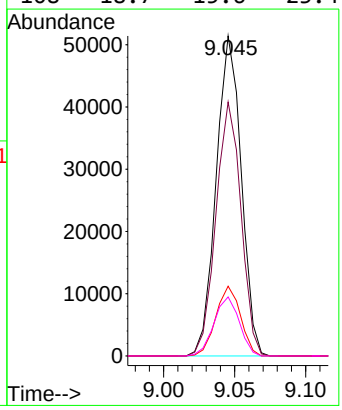


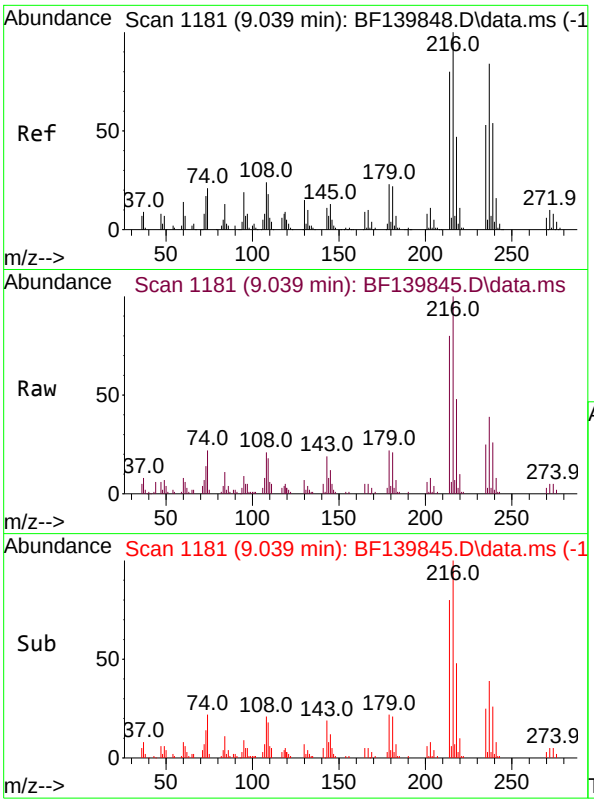


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.640 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:216 Resp: 63046

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.0
179	21.4	17.2	25.8
108	18.7	15.6	23.4



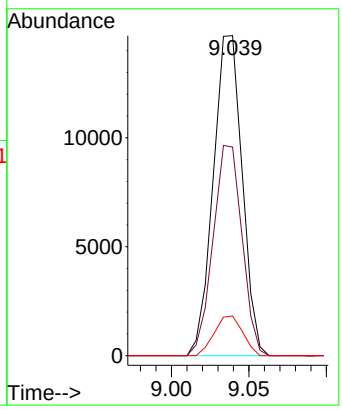


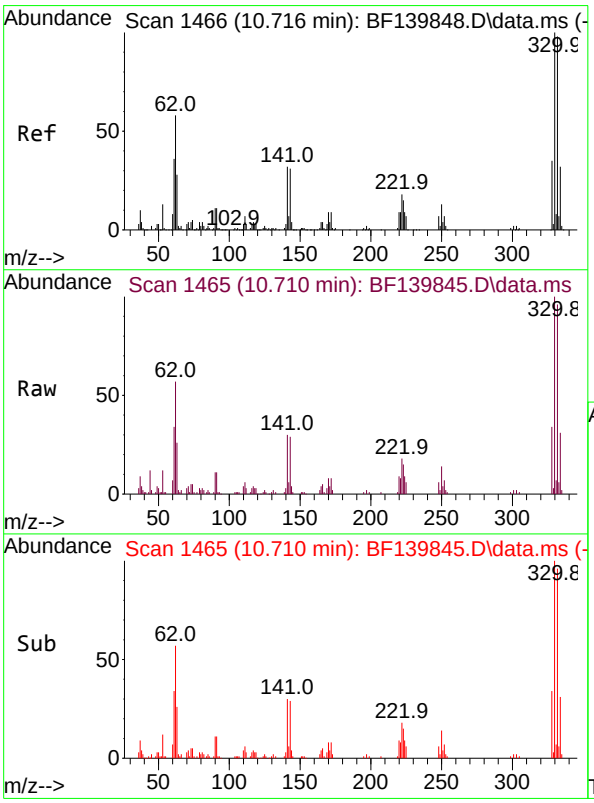
#41
Hexachlorocyclopentadiene
Concen: 4.916 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 19121

Ion	Ratio	Lower	Upper
237	100		
235	65.2	42.9	82.9
272	12.4	0.0	32.3

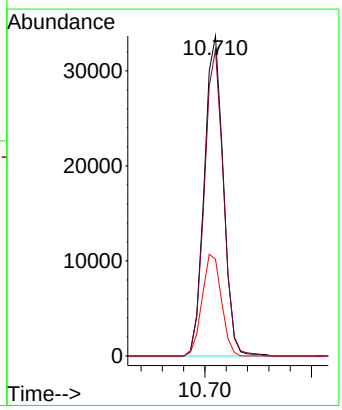


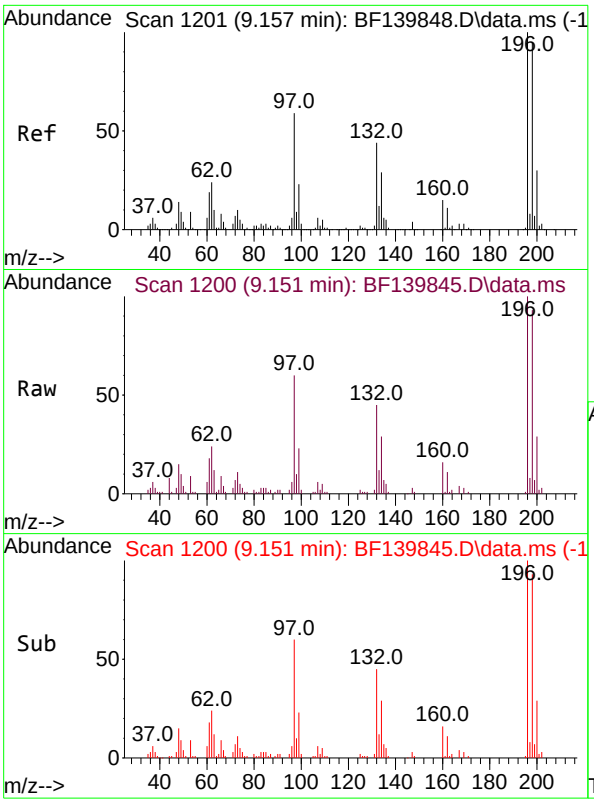


#42
2,4,6-Tribromophenol
Concen: 10.755 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:330 Resp: 41682

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	32.3	26.6	39.8



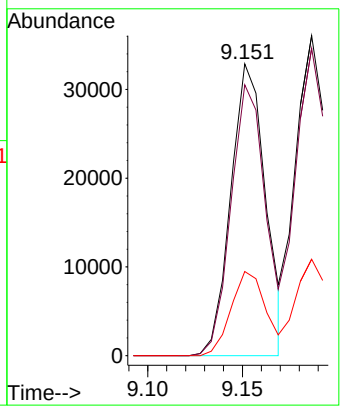


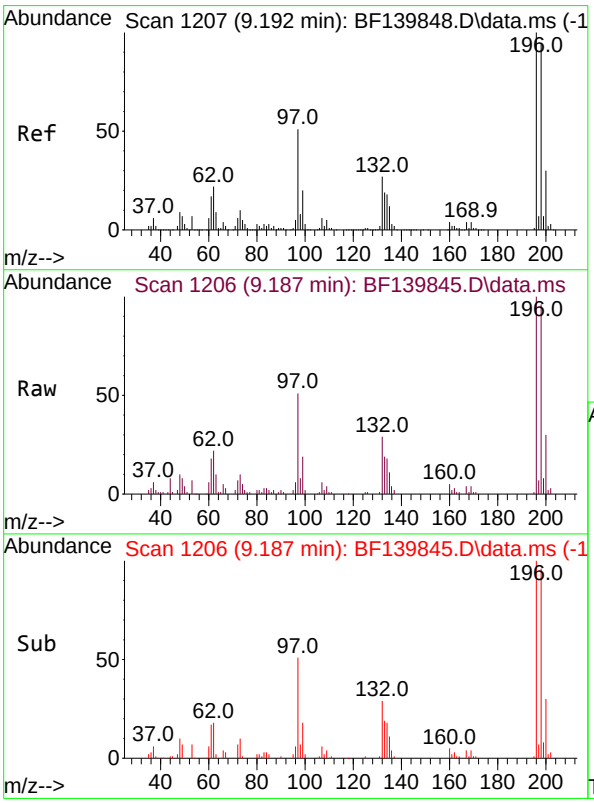
#43
2,4,6-Trichlorophenol
Concen: 5.307 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 41997

Ion	Ratio	Lower	Upper
196	100		
198	92.8	76.2	114.2
200	28.8	24.0	36.0

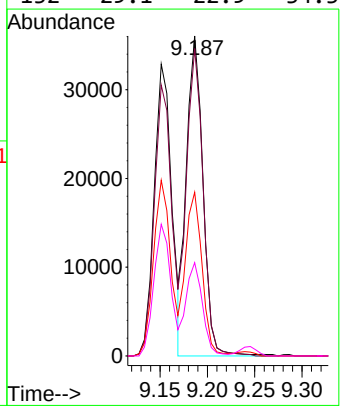


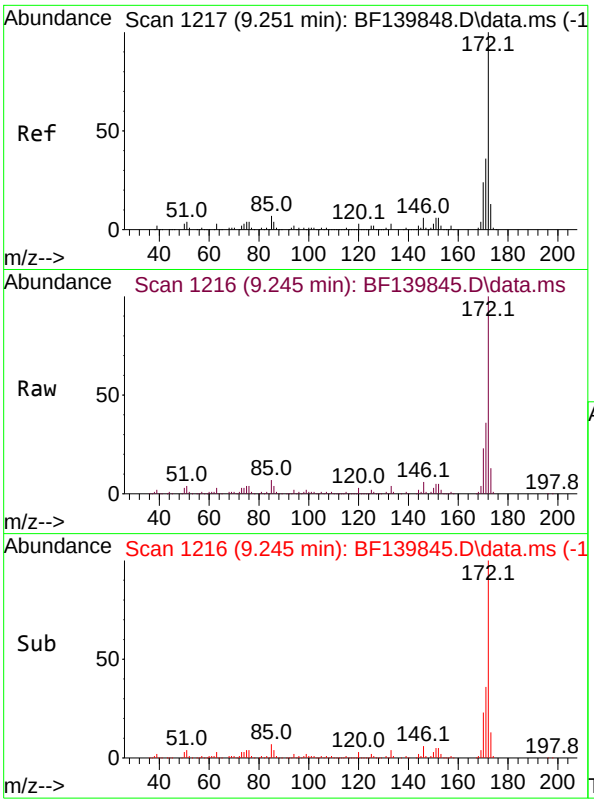


#44
2,4,5-Trichlorophenol
Concen: 5.399 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:196 Resp: 44086

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.8	113.6
97	51.2	41.8	62.6
132	29.1	22.9	34.3



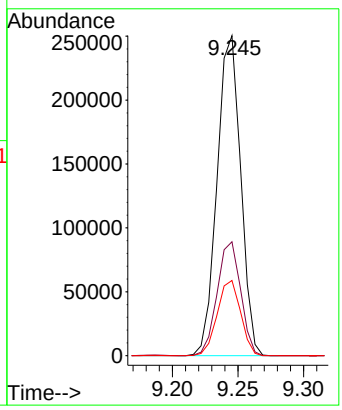


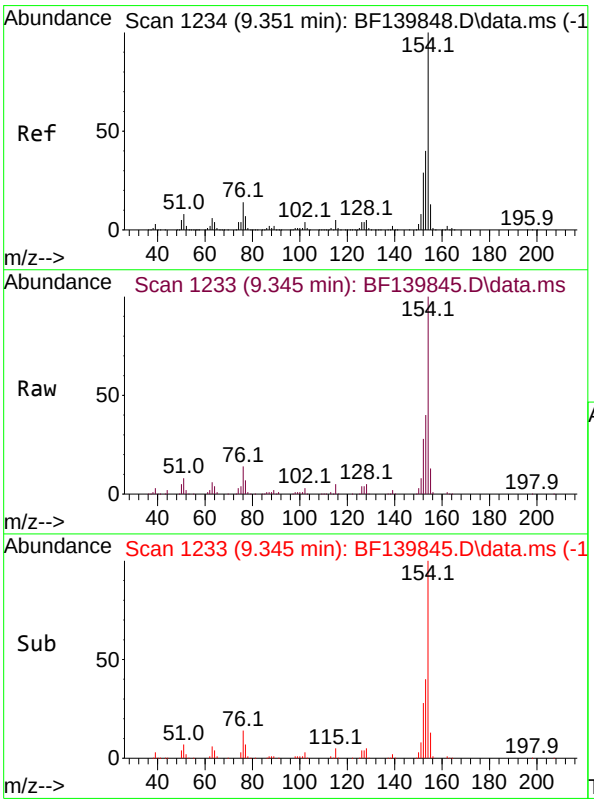
#45
2-Fluorobiphenyl
Concen: 12.492 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 313171

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.5	19.1	28.7

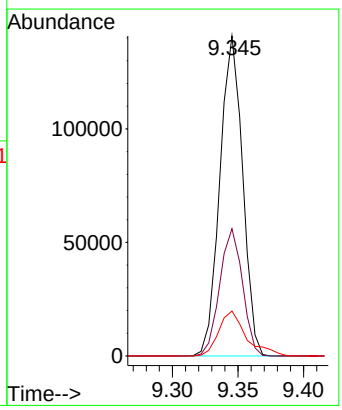


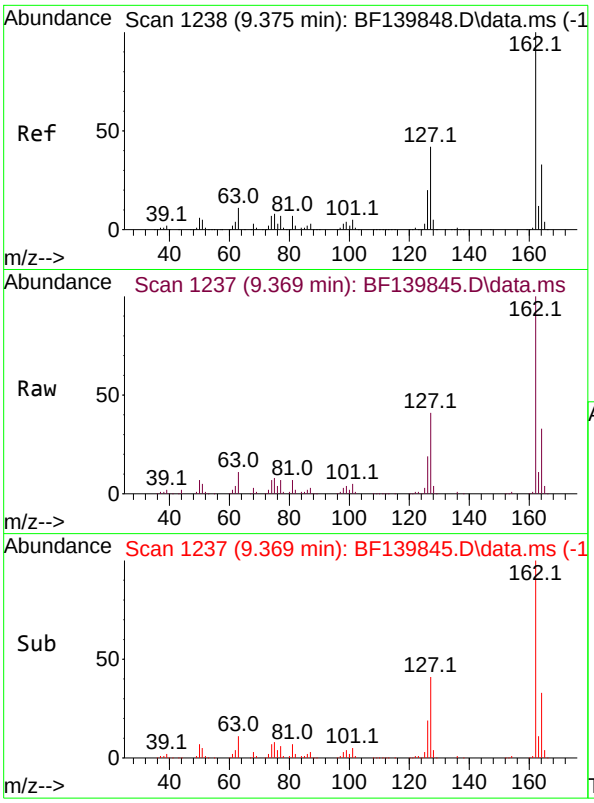


#46
1,1'-Biphenyl
Concen: 5.891 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:154 Resp: 169920

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.3	60.3
76	14.1	0.0	33.9



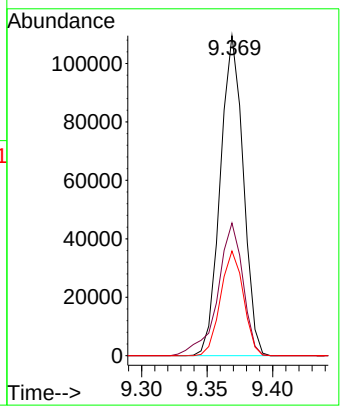


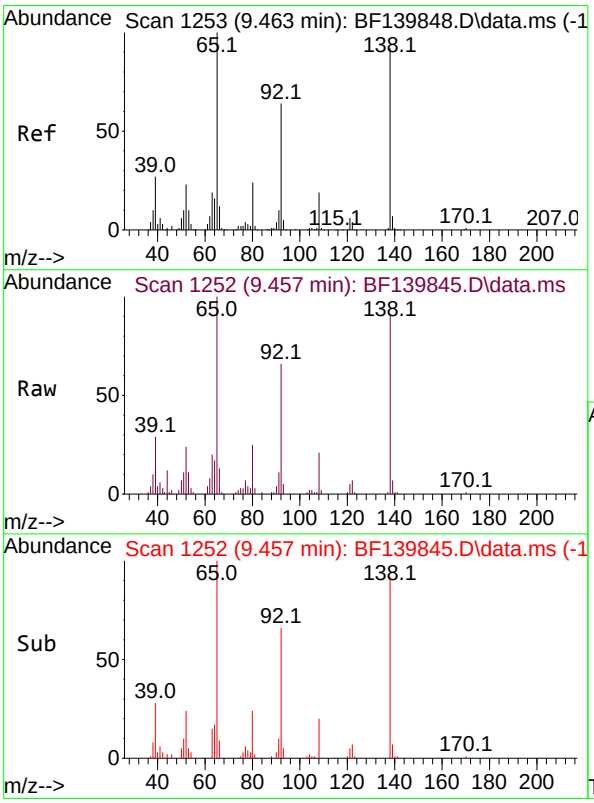
#47
2-Chloronaphthalene
Concen: 5.745 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 133456

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.8	50.6
164	32.7	26.6	39.8

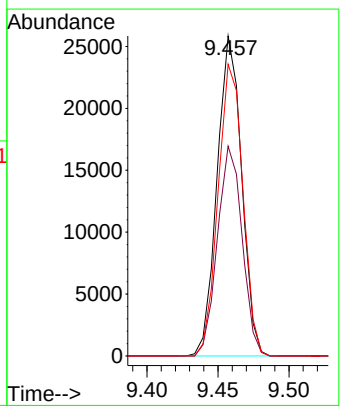


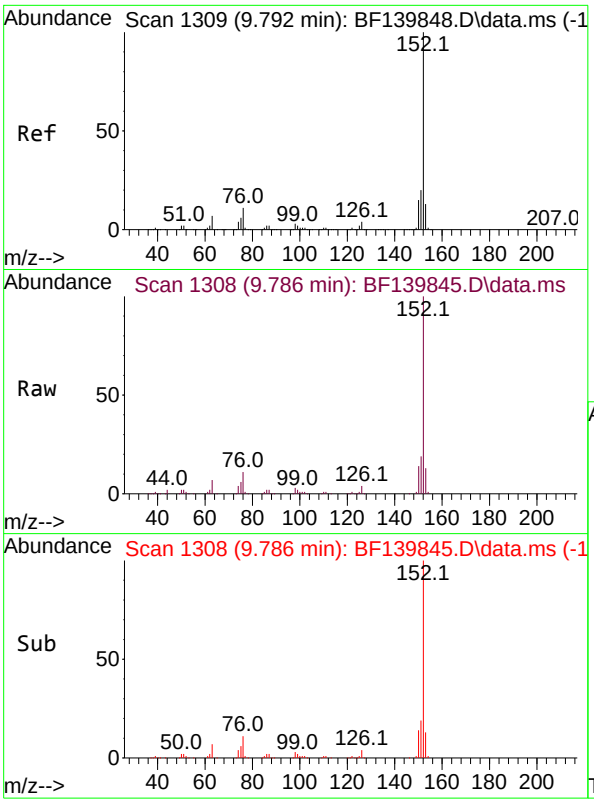


#48
2-Nitroaniline
Concen: 4.363 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 65 Resp: 30999

Ion	Ratio	Lower	Upper
65	100		
92	65.6	50.9	76.3
138	91.1	73.4	110.0



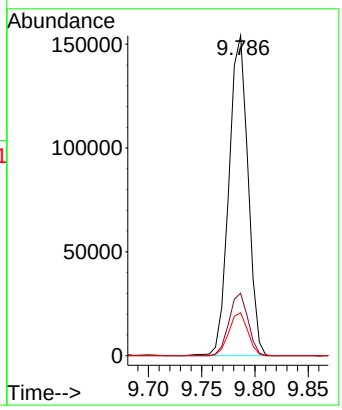


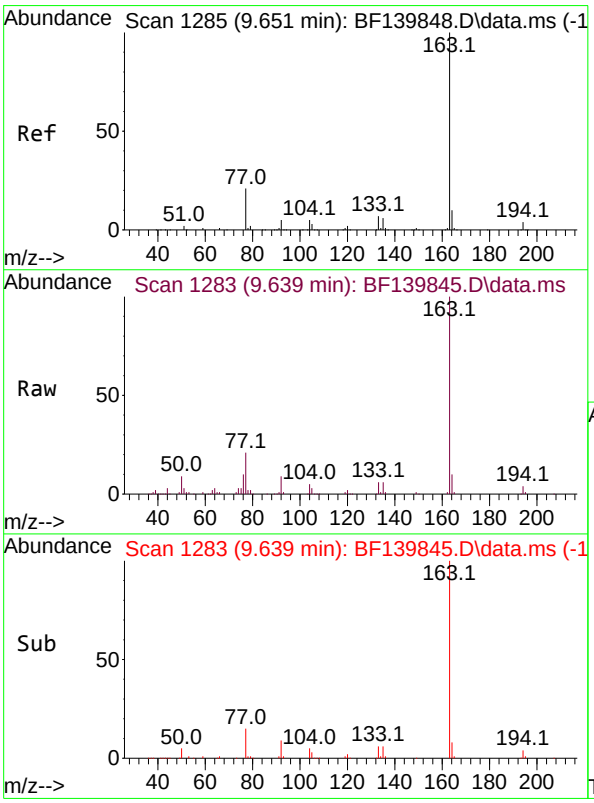
#49
Acenaphthylene
Concen: 5.717 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 192014

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	13.4	10.7	16.1

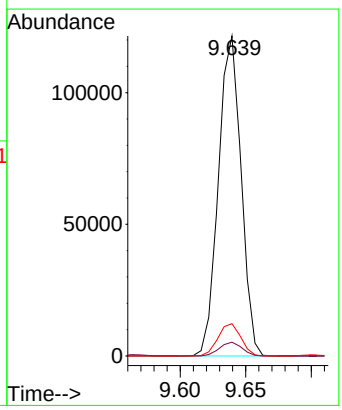


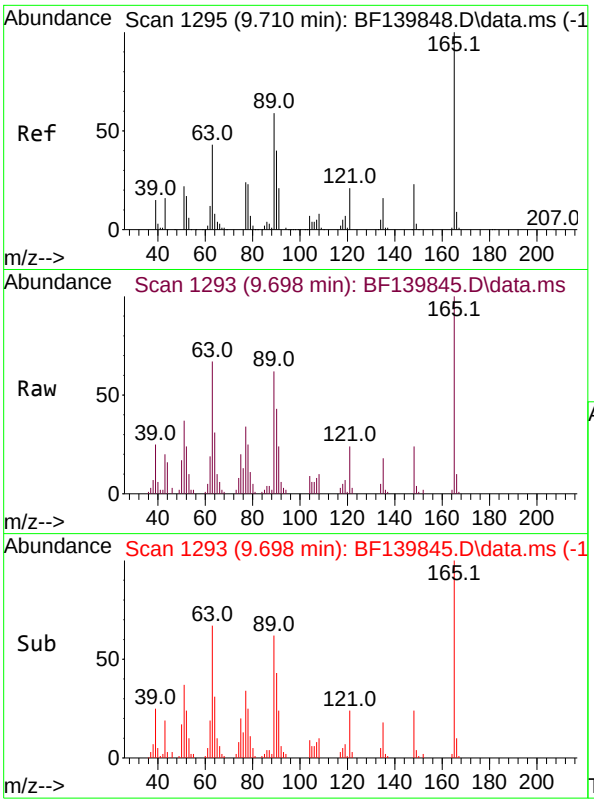


#50
Dimethylphthalate
Concen: 5.661 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:163 Resp: 146096

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.1	8.2	12.2



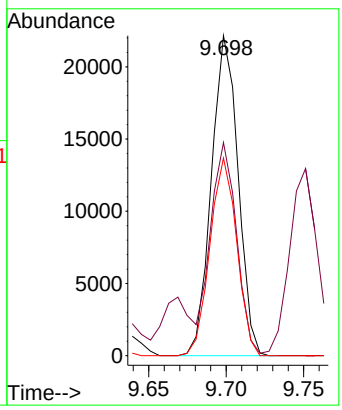


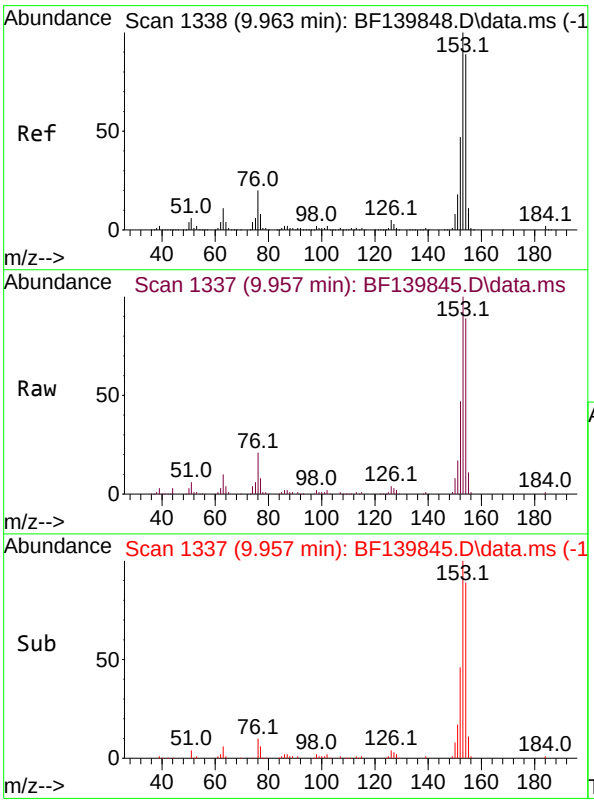
#51
2,6-Dinitrotoluene
Concen: 4.741 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 26490

Ion	Ratio	Lower	Upper
165	100		
63	66.6	50.6	75.8
89	61.8	47.5	71.3

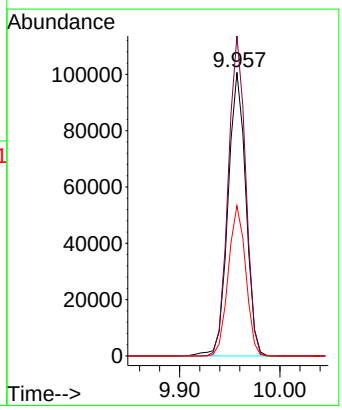


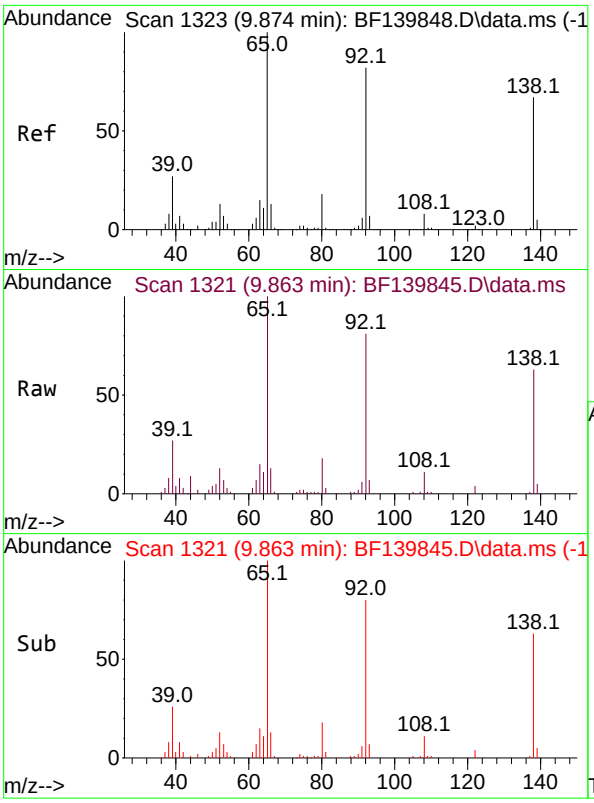


#52
Acenaphthene
Concen: 5.721 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:154 Resp: 124288

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.8	134.6
152	53.0	42.4	63.6



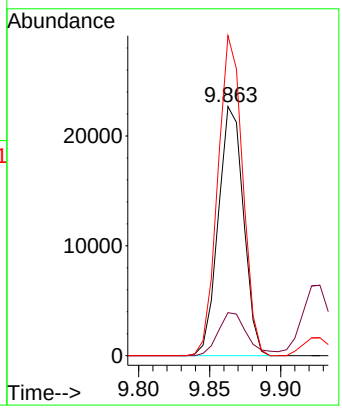


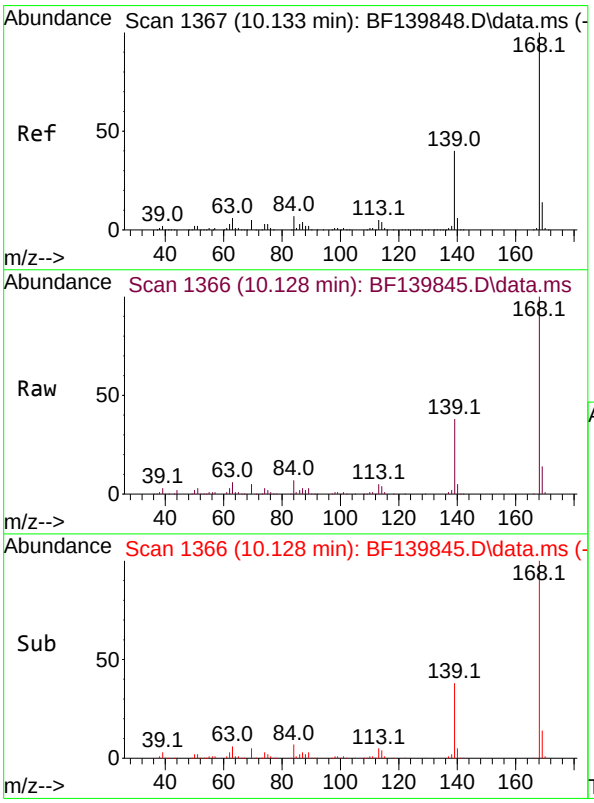
#53
3-Nitroaniline
Concen: 4.858 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 27995

Ion	Ratio	Lower	Upper
138	100		
108	17.3	10.2	15.2#
92	128.5	98.3	147.5

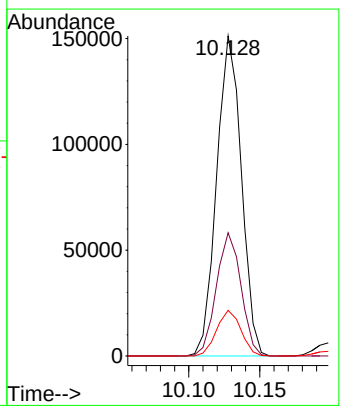


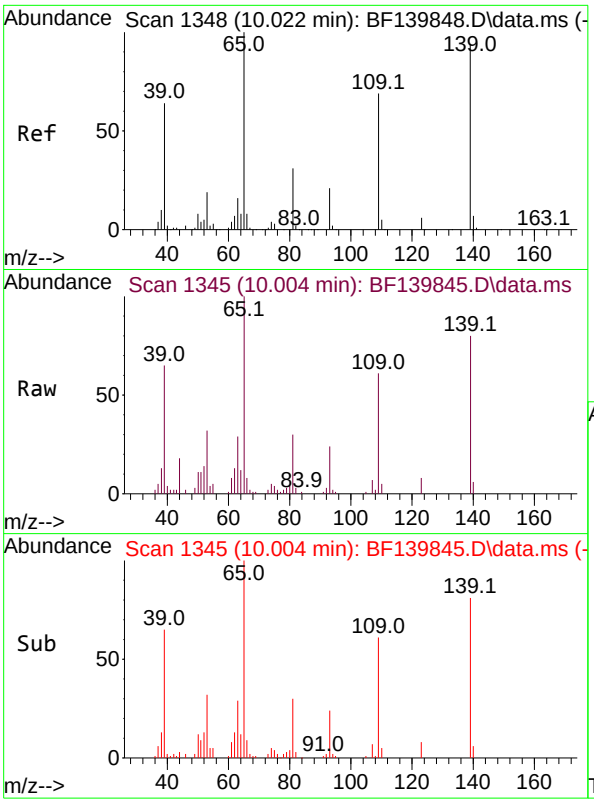


#55
Dibenzofuran
Concen: 5.870 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:168 Resp: 182985

Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.8	47.6
169	14.3	11.6	17.4



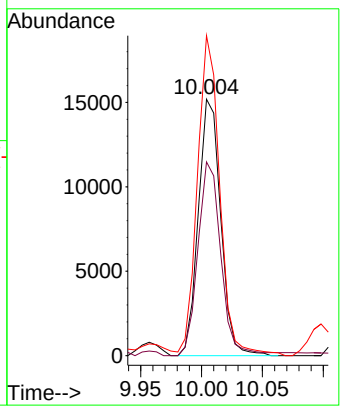


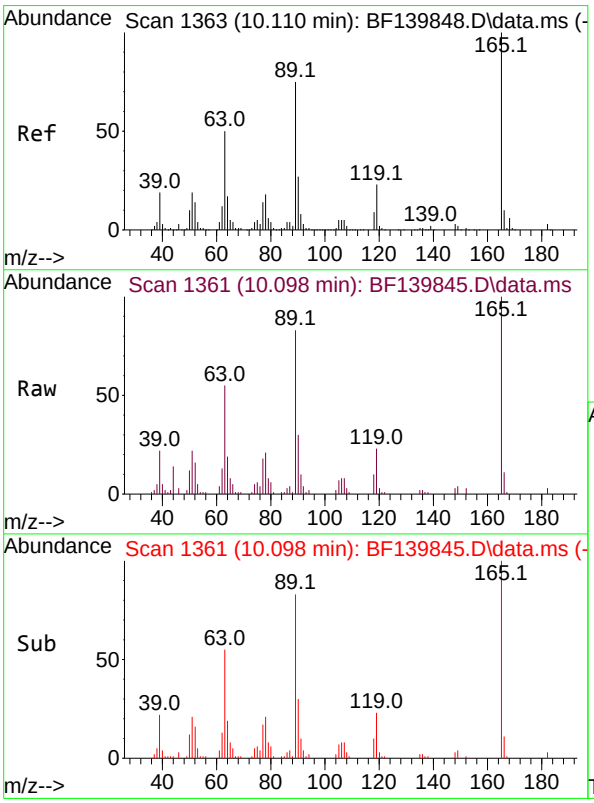
#56
4-Nitrophenol
Concen: 4.376 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 19402

Ion	Ratio	Lower	Upper
139	100		
109	75.6	53.6	93.6
65	124.8	87.8	127.8

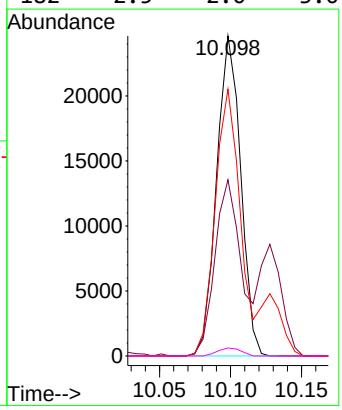


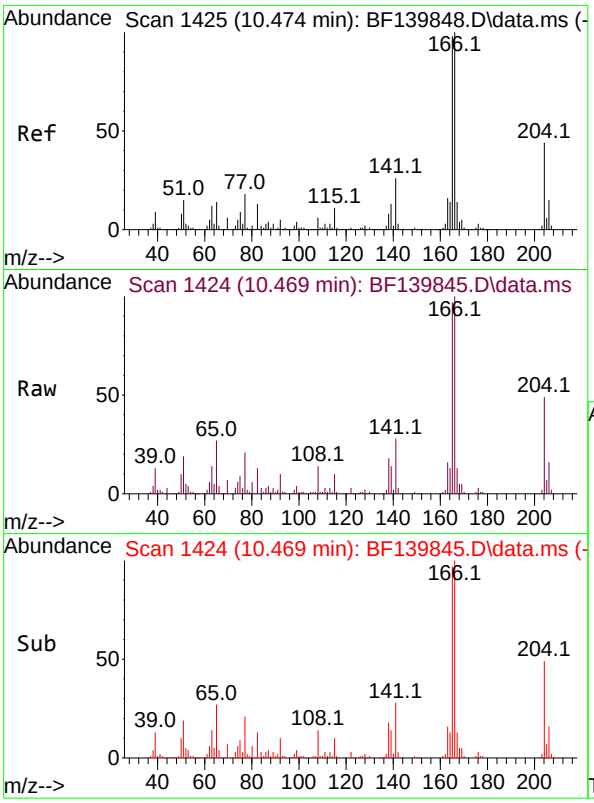


#57
2,4-Dinitrotoluene
Concen: 4.226 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:165 Resp: 29038

Ion	Ratio	Lower	Upper
165	100		
63	55.0	40.1	60.1
89	83.3	60.4	90.6
182	2.5	2.0	3.0



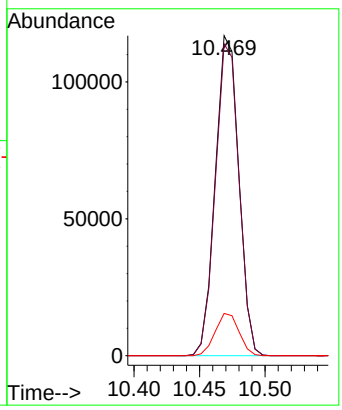


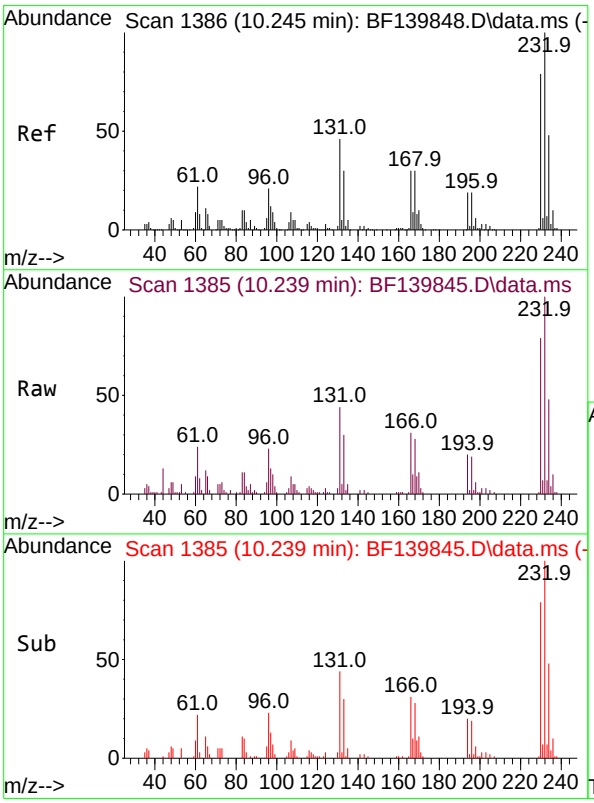
#58
Fluorene
Concen: 6.146 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 145913

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.5	117.7
167	13.2	10.9	16.3

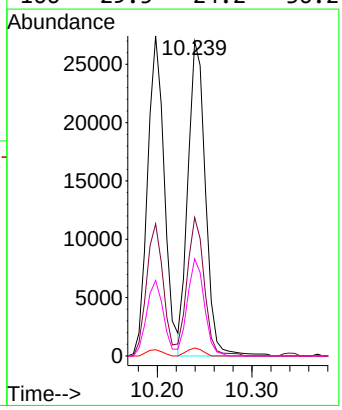


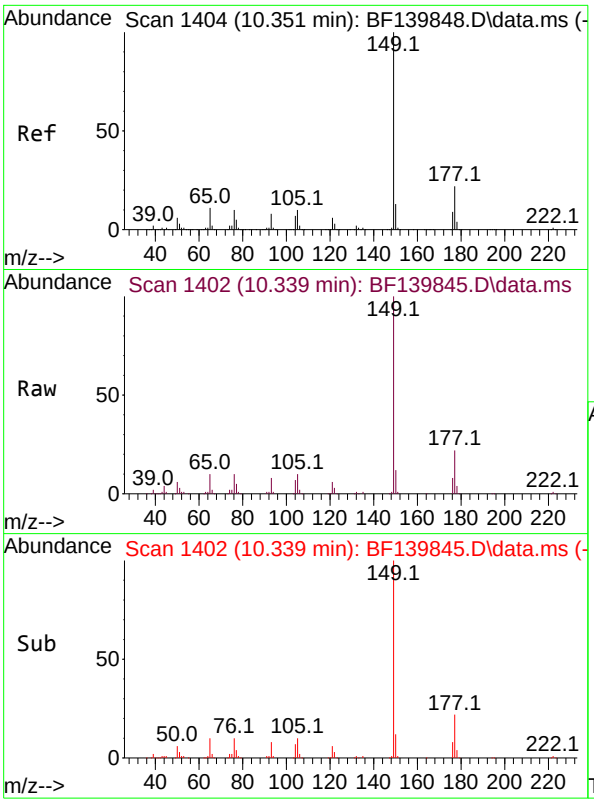


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.411 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:232 Resp: 34636

Ion	Ratio	Lower	Upper
232	100		
131	43.7	37.0	55.6
130	2.3	1.9	2.9
166	29.5	24.2	36.2



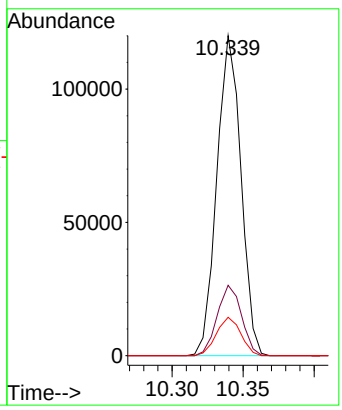


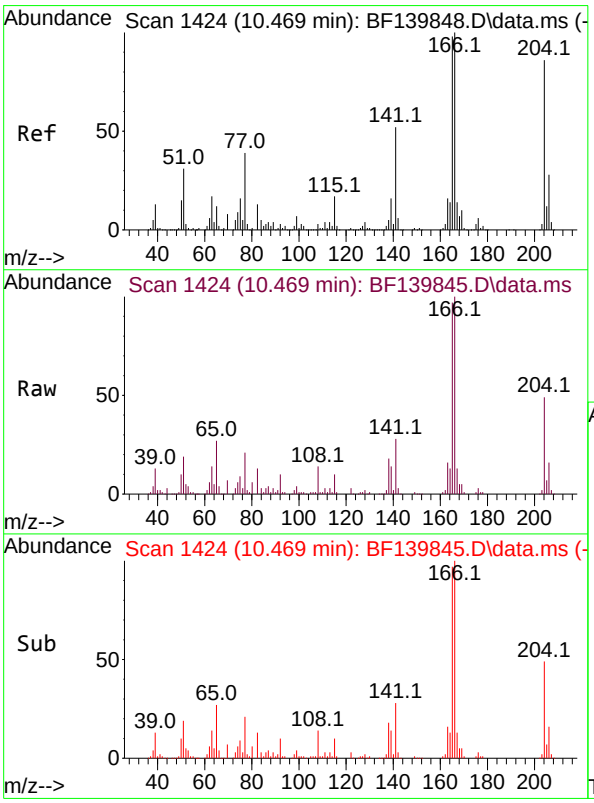
#60
Diethylphthalate
Concen: 5.583 ng
RT: 10.339 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 141466

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.9	26.9
150	12.0	10.1	15.1

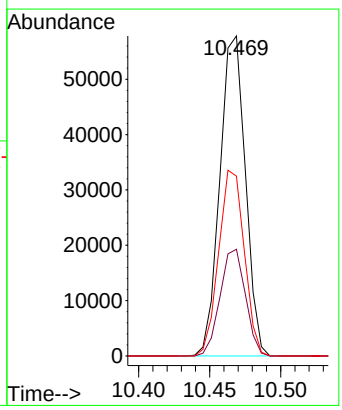


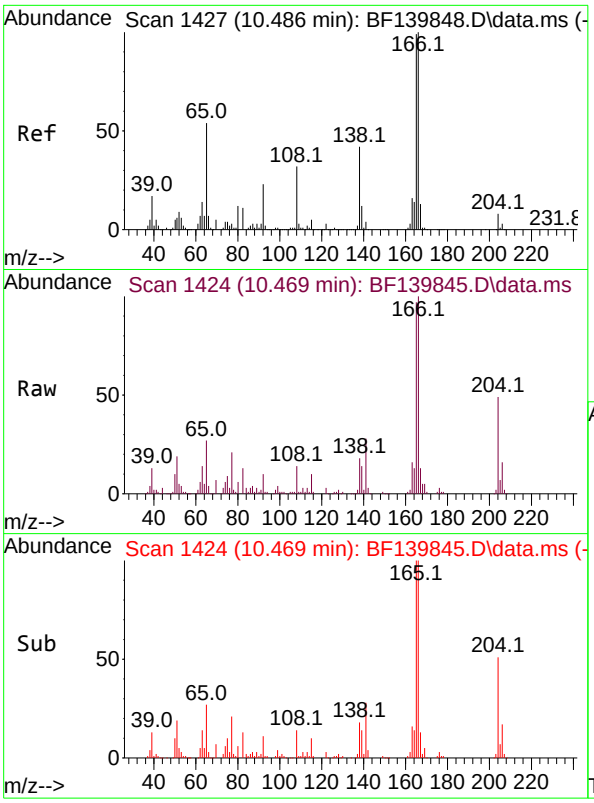


#61
4-Chlorophenyl-phenylether
Concen: 6.033 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:204 Resp: 72331

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.3	39.5
141	56.2	48.6	73.0



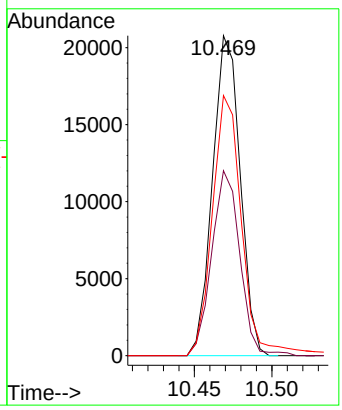


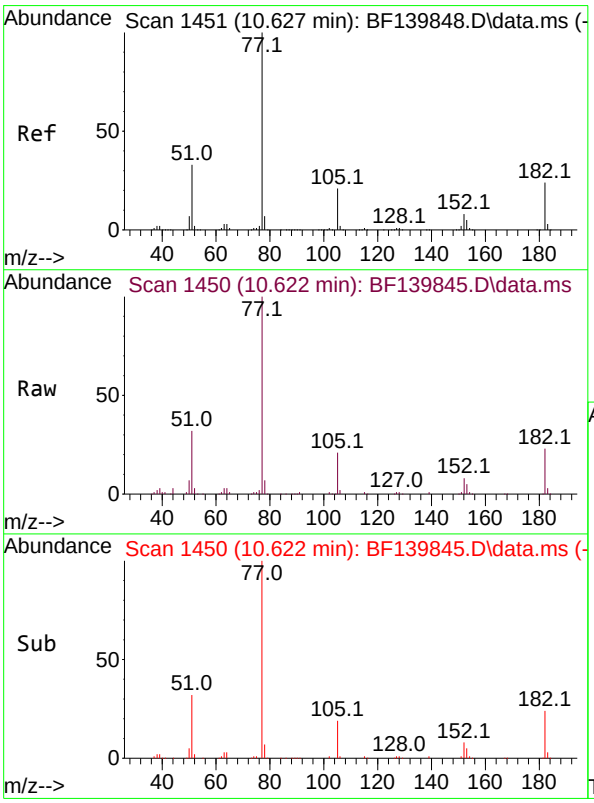
#62
4-Nitroaniline
Concen: 4.731 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 25747

Ion	Ratio	Lower	Upper
138	100		
92	57.8	35.7	75.7
108	81.3	57.5	97.5

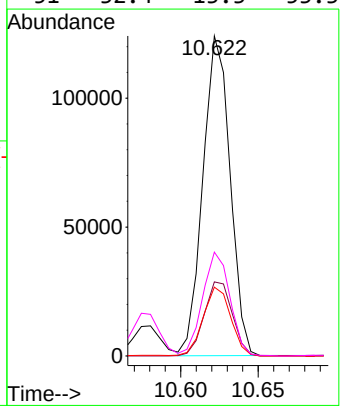


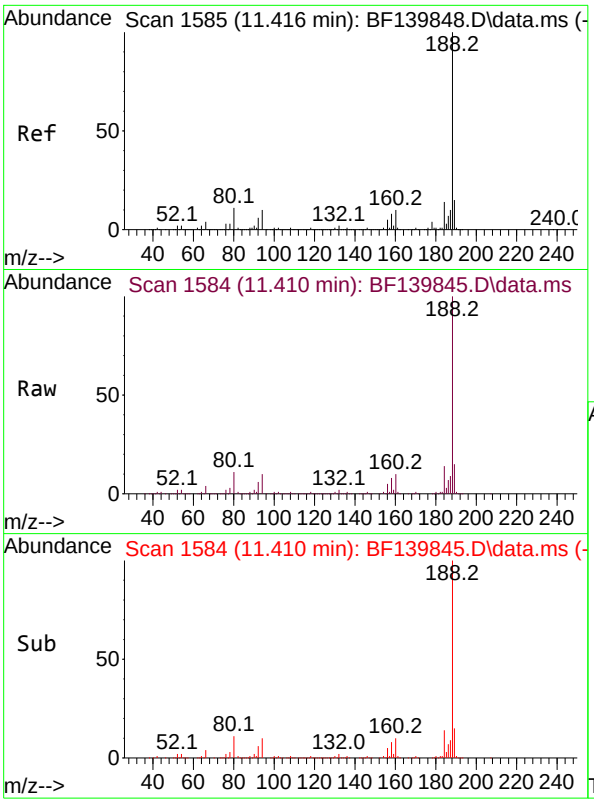


#63
Azobenzene
Concen: 5.627 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion: 77 Resp: 151158

Ion	Ratio	Lower	Upper
77	100		
182	23.2	3.3	43.3
105	21.5	1.2	41.2
51	32.4	13.3	53.3



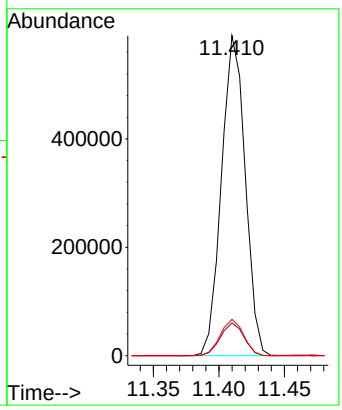


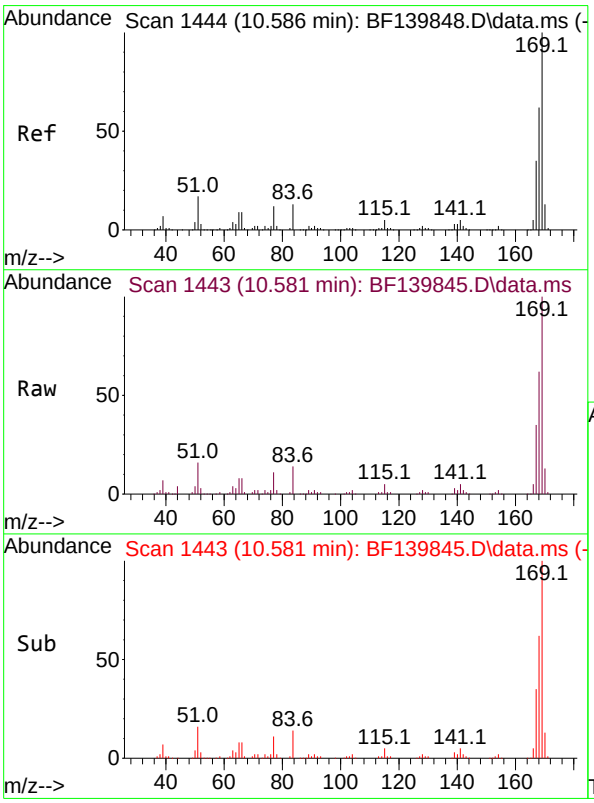
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 741430

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.9	11.9
80	11.4	9.0	13.4

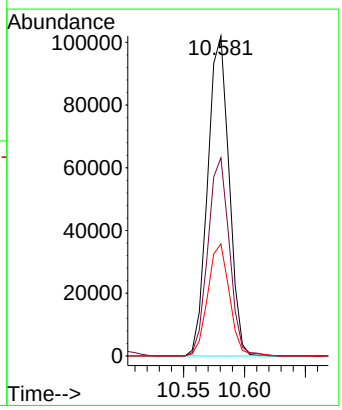


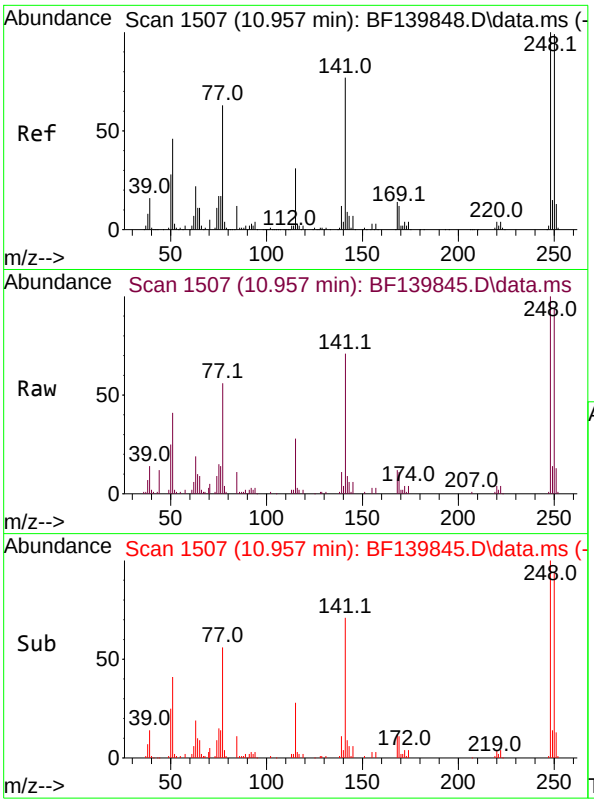


#66
n-Nitrosodiphenylamine
Concen: 5.609 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:169 Resp: 124472

Ion	Ratio	Lower	Upper
169	100		
168	61.9	49.8	74.6
167	35.0	28.0	42.0



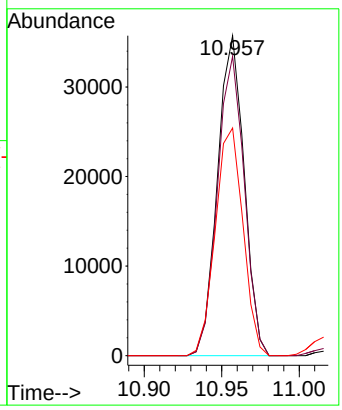


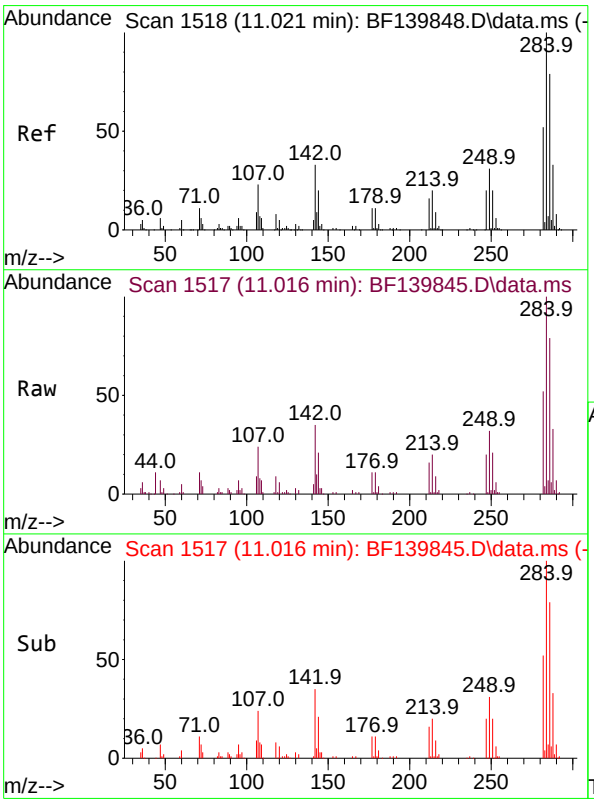
#67
4-Bromophenyl-phenylether
Concen: 5.591 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 42707

Ion	Ratio	Lower	Upper
248	100		
250	93.5	79.0	118.6
141	71.1	61.7	92.5

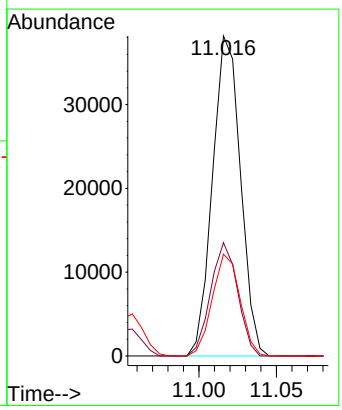


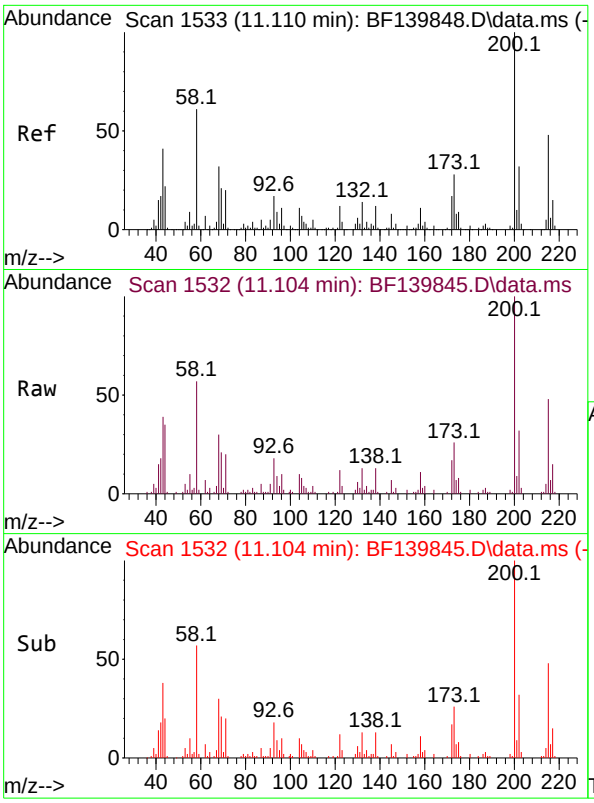


#68
Hexachlorobenzene
Concen: 5.575 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:284 Resp: 47895

Ion	Ratio	Lower	Upper
284	100		
142	35.4	26.9	40.3
249	31.8	25.3	37.9



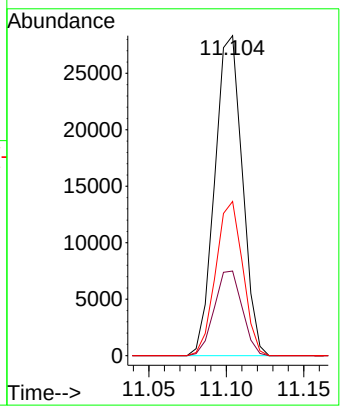


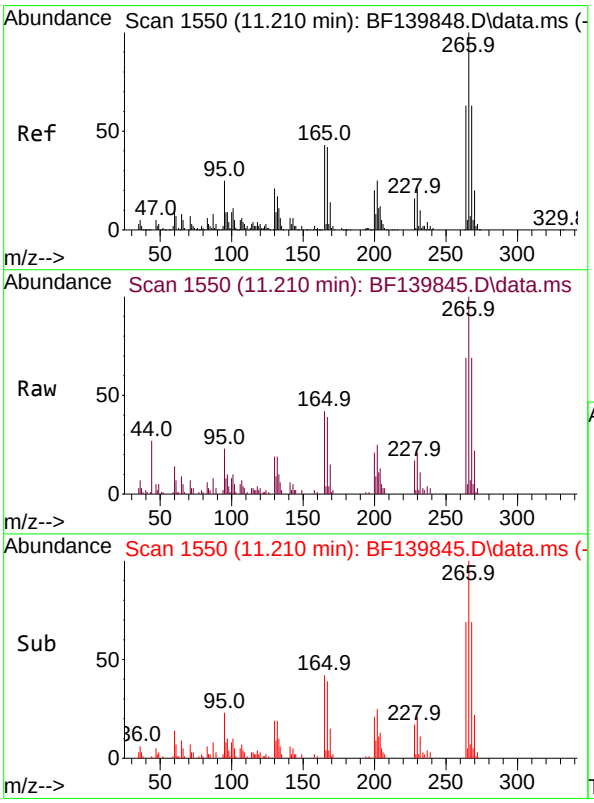
#69
Atrazine
Concen: 5.835 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 35075

Ion	Ratio	Lower	Upper
200	100		
173	26.4	7.7	47.7
215	48.2	27.7	67.7

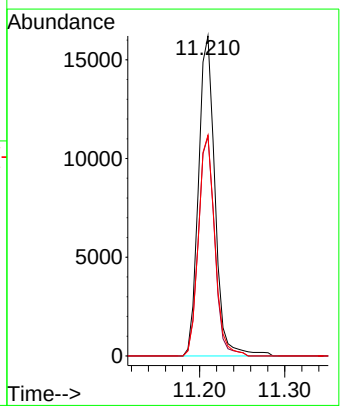


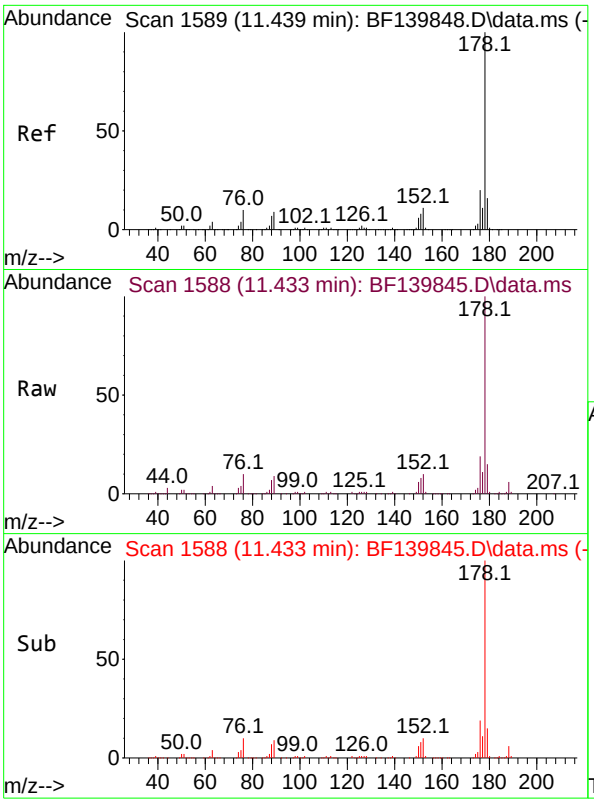


#70
Pentachlorophenol
Concen: 4.178 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:266 Resp: 21781

Ion	Ratio	Lower	Upper
266	100		
268	68.6	50.4	75.6
264	68.9	50.6	75.8



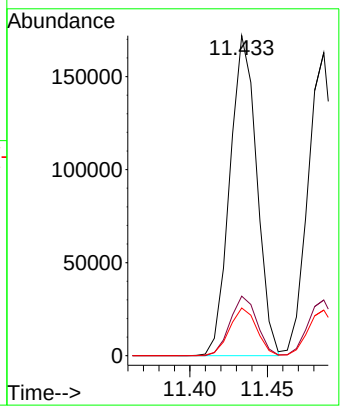


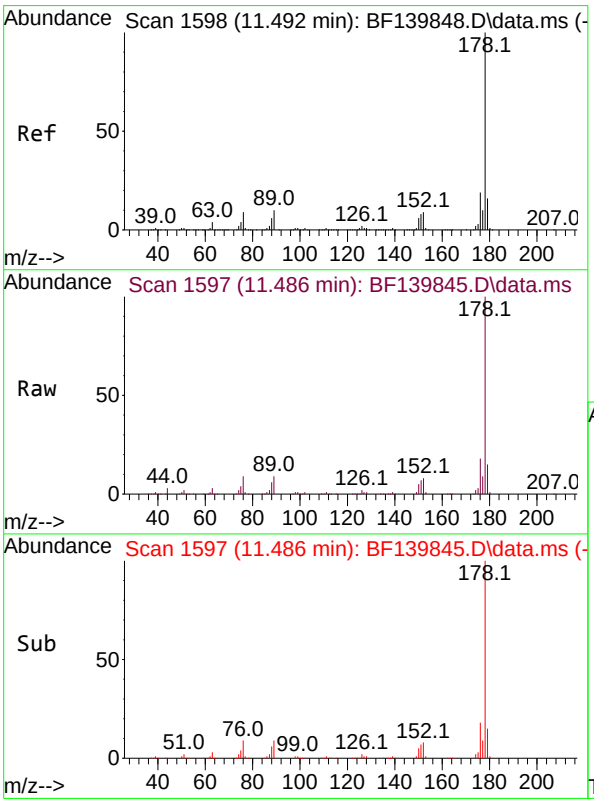
#71
Phenanthrene
Concen: 5.931 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 207716

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	14.9	12.6	18.8

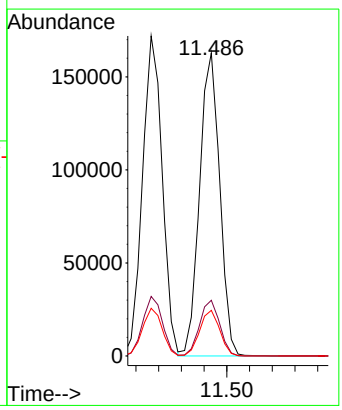


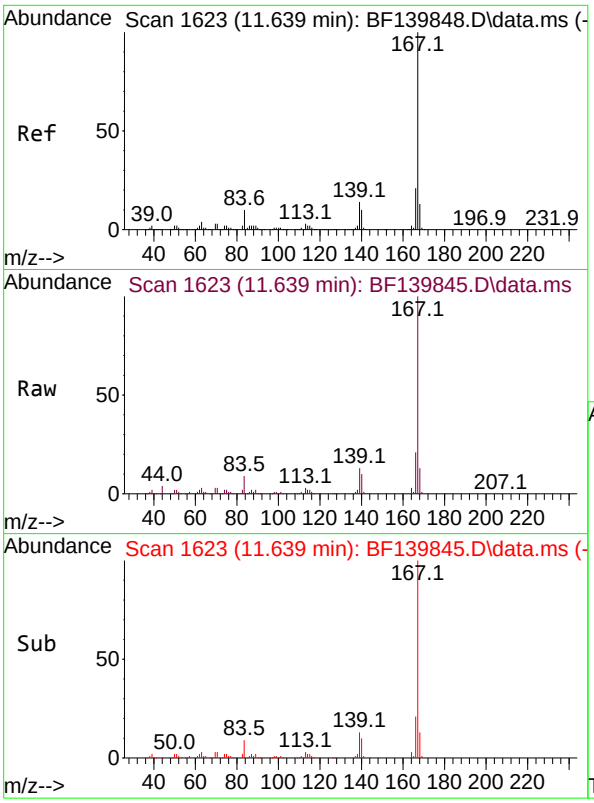


#72
Anthracene
Concen: 5.871 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:178 Resp: 200621

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.0	12.4	18.6



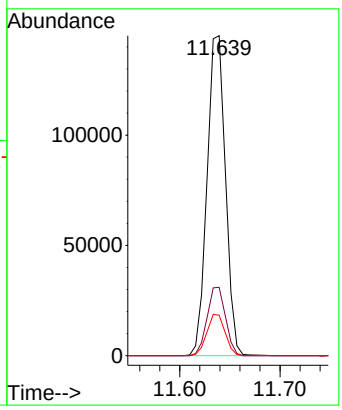


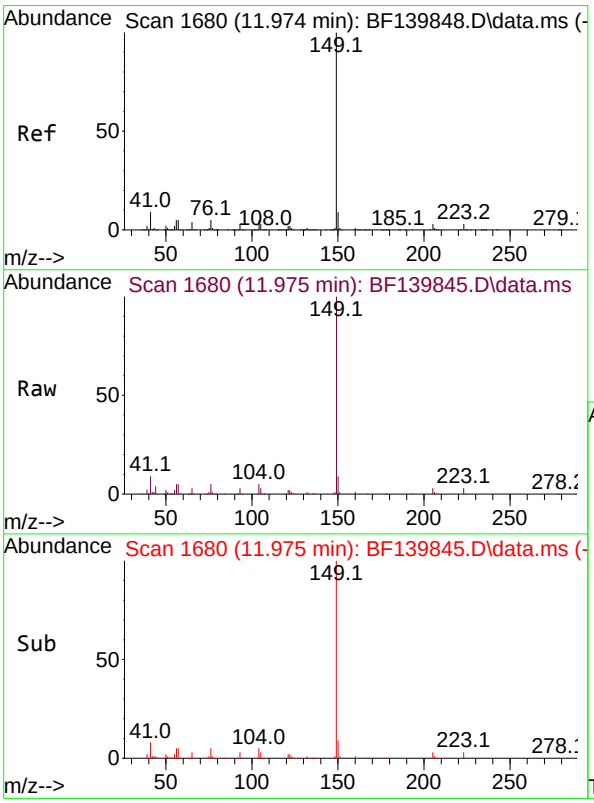
#73
Carbazole
Concen: 5.845 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 185743

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.7	10.8	16.2

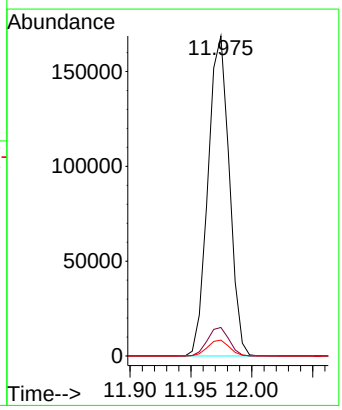


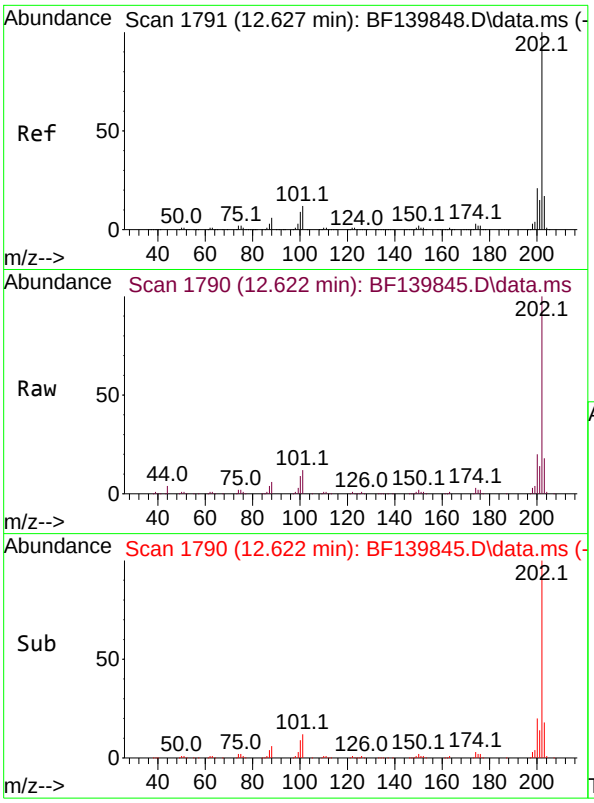


#74
Di-n-butylphthalate
Concen: 5.574 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 204647

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	5.0	4.1	6.1



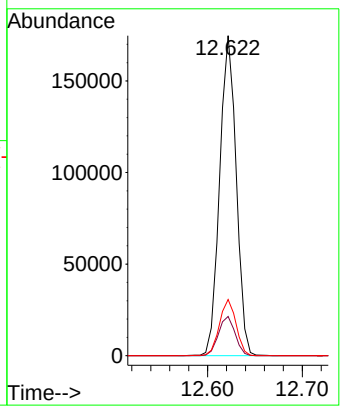


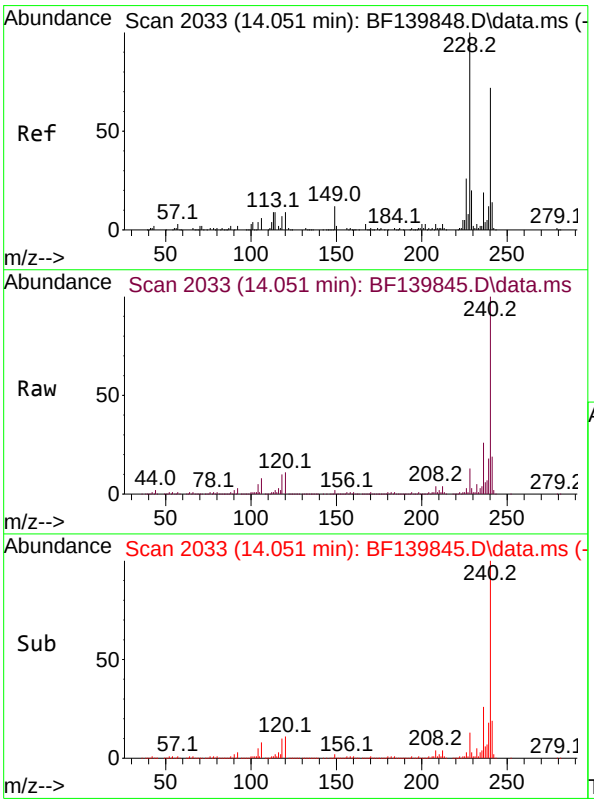
#75
Fluoranthene
Concen: 6.017 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 213038

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.9
203	17.5	0.0	37.5

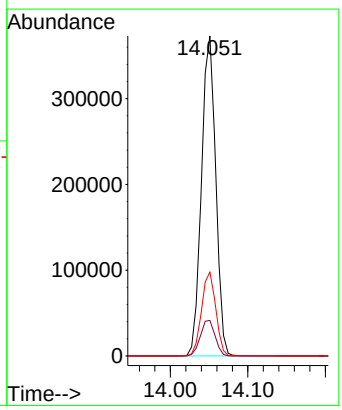


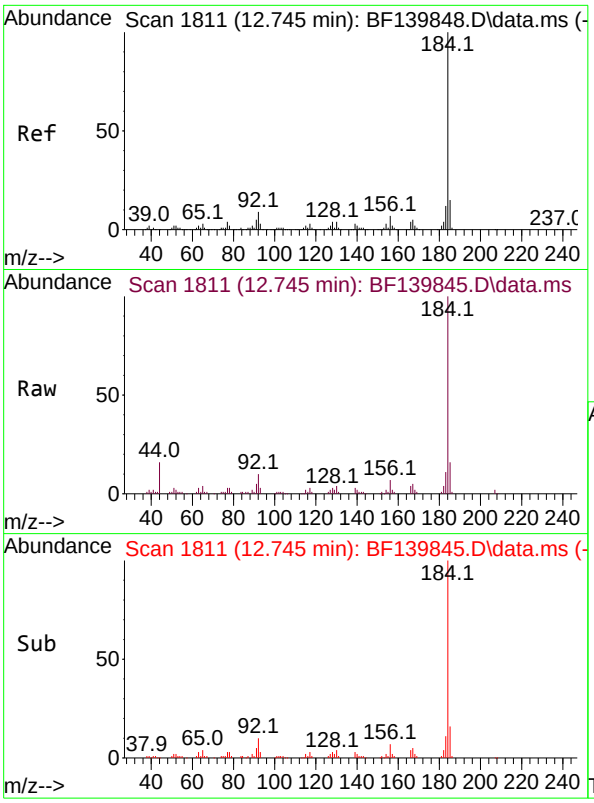


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:240 Resp: 477223

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.4	14.2
236	26.2	20.9	31.3



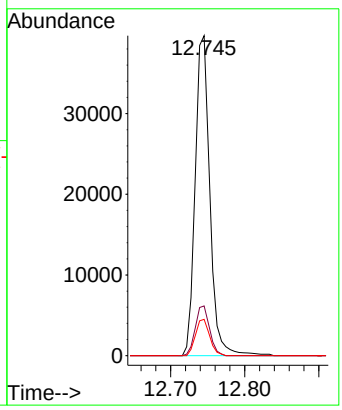


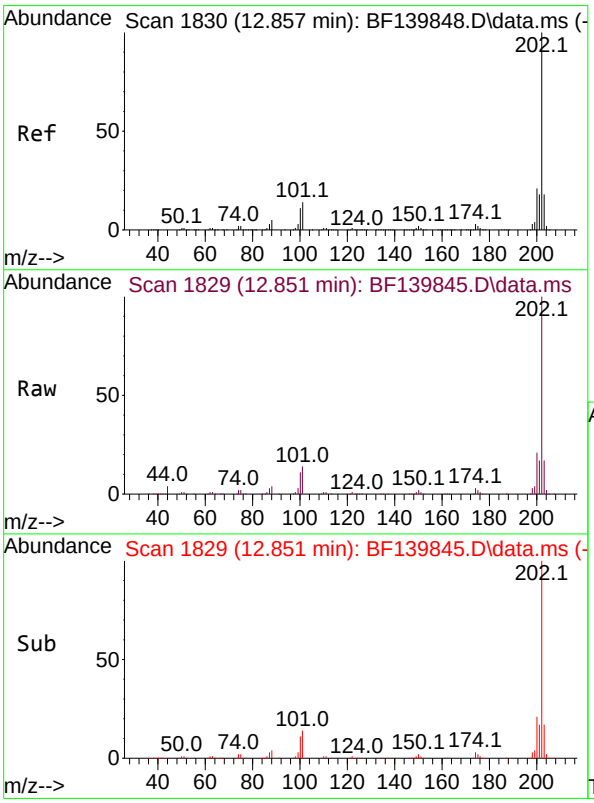
#77
Benzidine
Concen: 7.022 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 54501

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.0	18.0
183	11.4	9.4	14.2

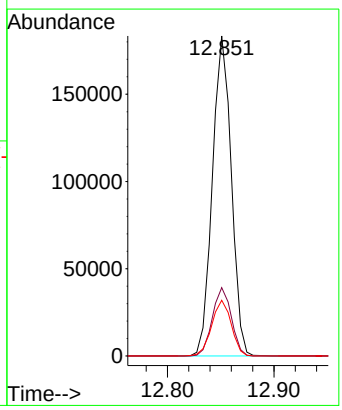


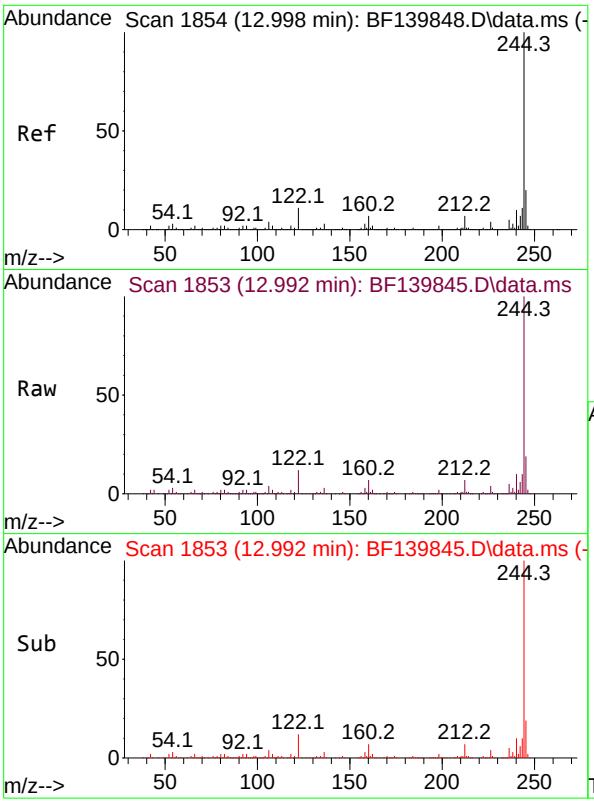


#78
Pyrene
Concen: 5.404 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:202 Resp: 225742

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.4	14.2	21.4



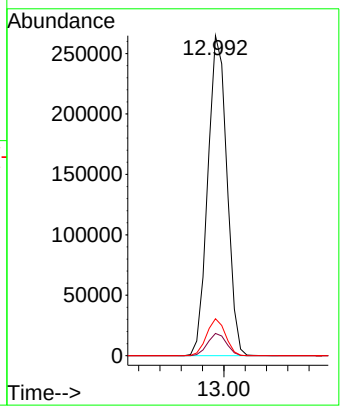


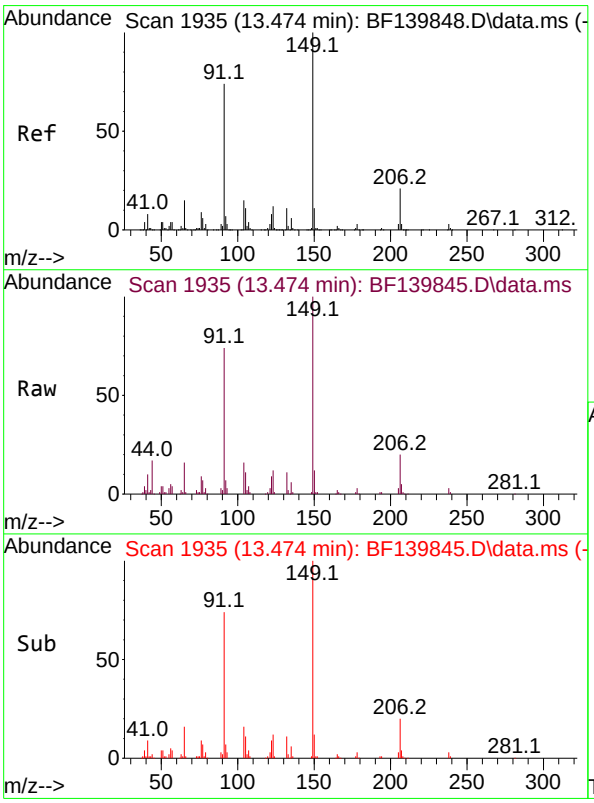
#79
Terphenyl-d14
Concen: 11.248 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 329424

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.6	8.6	13.0

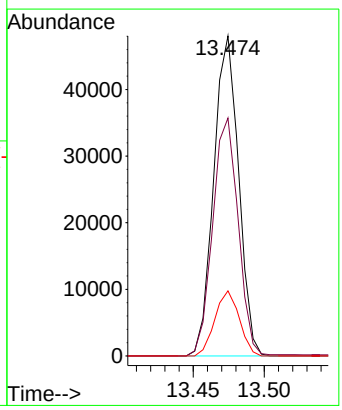


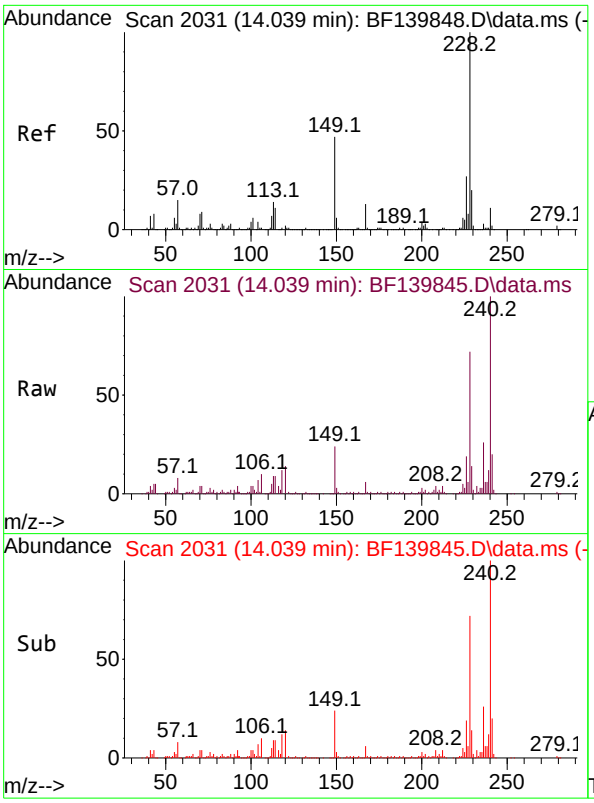


#80
Butylbenzylphthalate
Concen: 4.671 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 58502

Ion	Ratio	Lower	Upper
149	100		
91	74.4	59.4	89.2
206	20.3	16.4	24.6



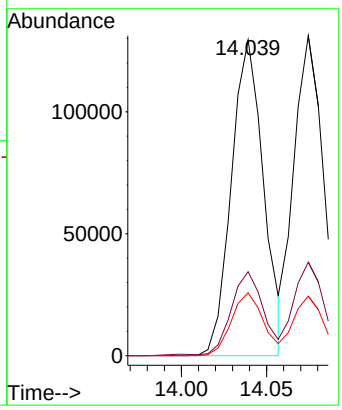


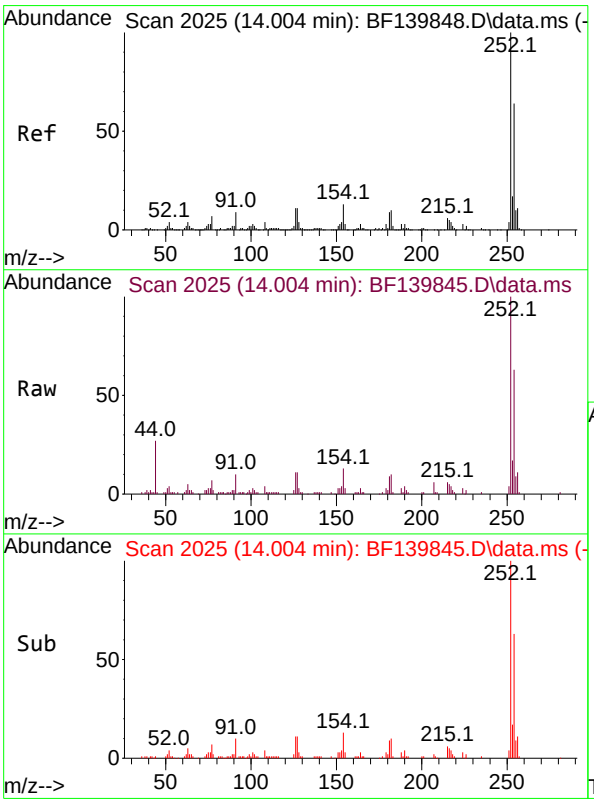
#81
Benzo(a)anthracene
Concen: 5.473 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 170026

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.6	32.4
229	19.9	16.1	24.1

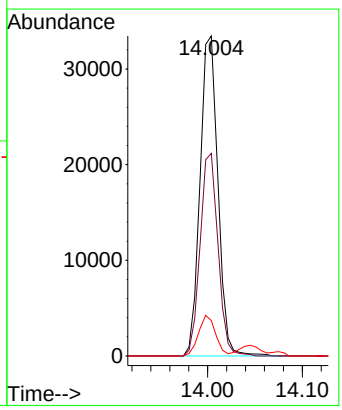


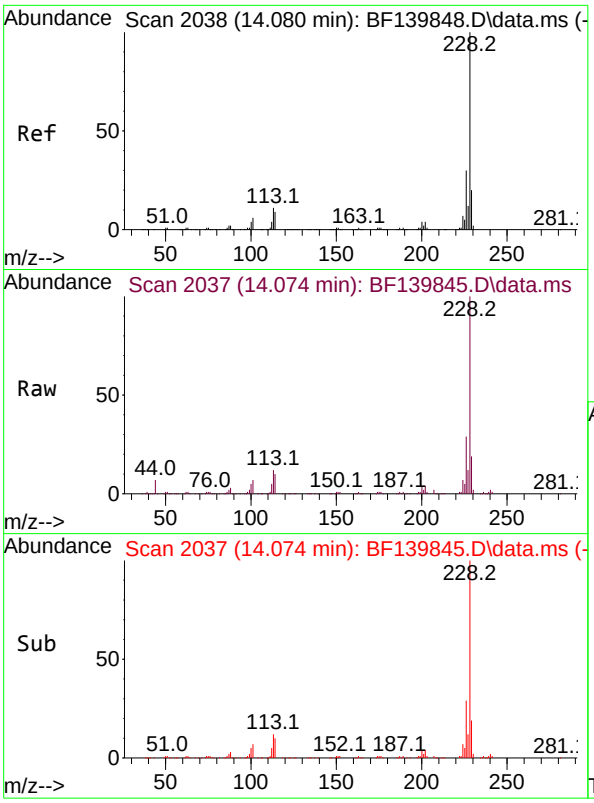


#82
3,3'-Dichlorobenzidine
Concen: 4.851 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:252 Resp: 43937

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.8	76.2
126	11.1	8.9	13.3



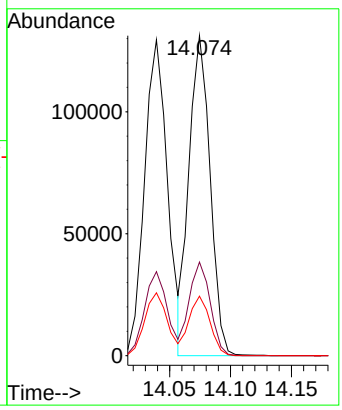


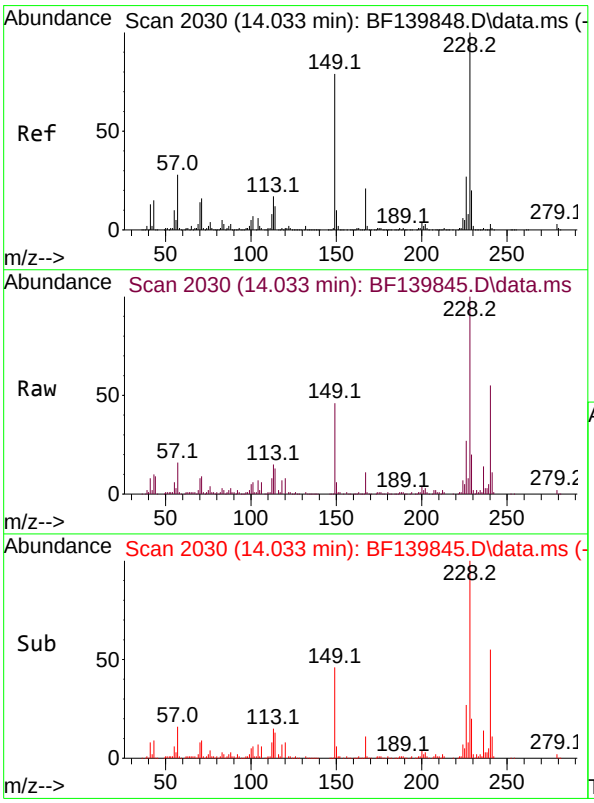
#83
Chrysene
Concen: 5.551 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 158121

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.1	36.1
229	18.6	15.8	23.6

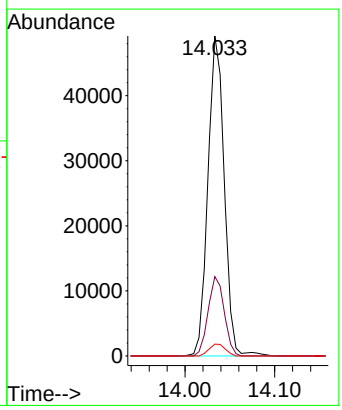


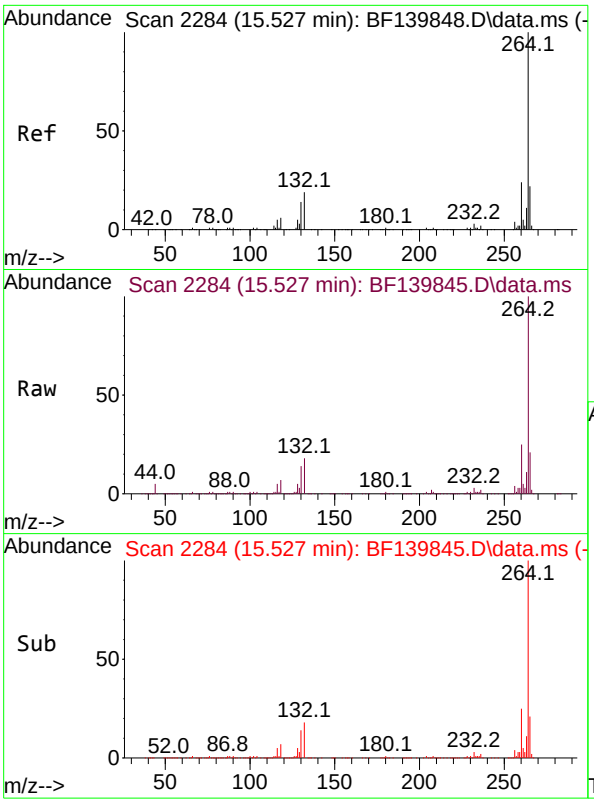


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.419 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:149 Resp: 62085

Ion	Ratio	Lower	Upper
149	100		
167	24.8	21.4	32.0
279	3.7	3.0	4.4



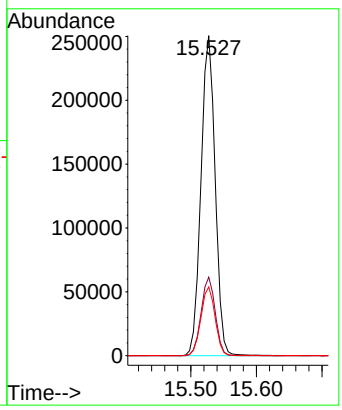


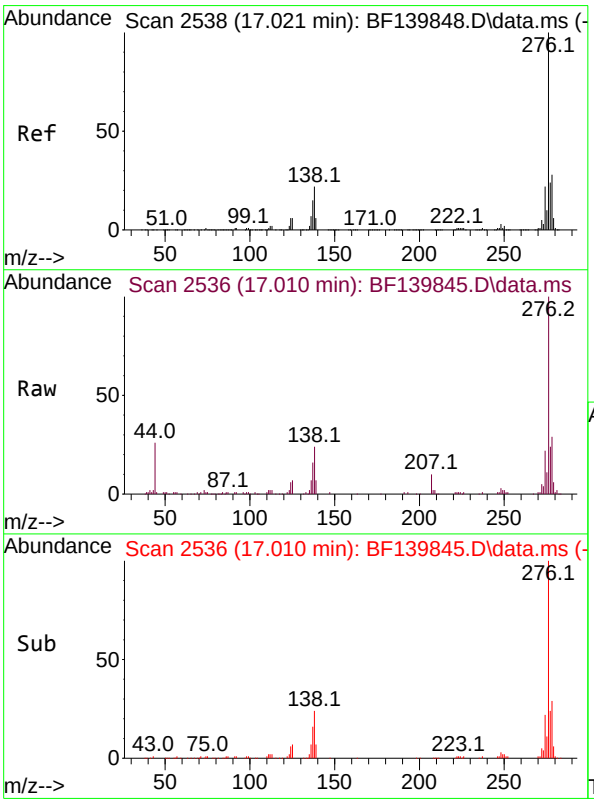
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 377685

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.5	17.4	26.0

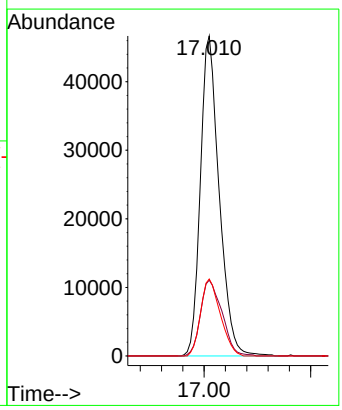


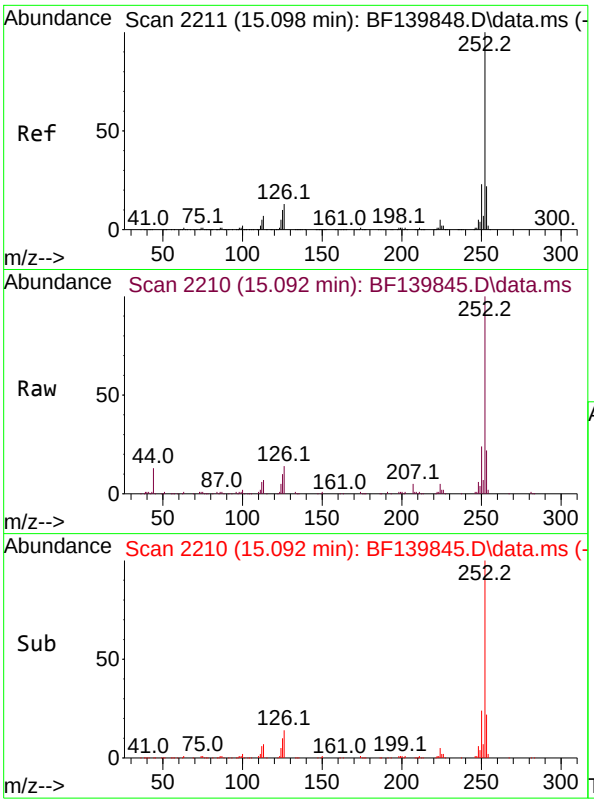


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.699 ng
RT: 17.010 min Scan# 2536
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:276 Resp: 114185

Ion	Ratio	Lower	Upper
276	100		
138	27.1	20.4	30.6
277	25.3	20.2	30.4



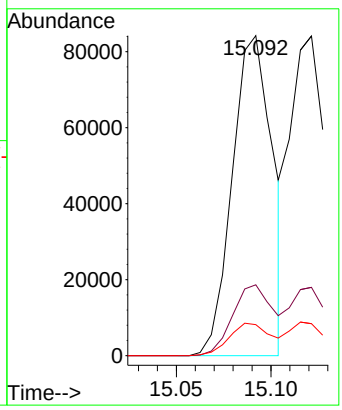


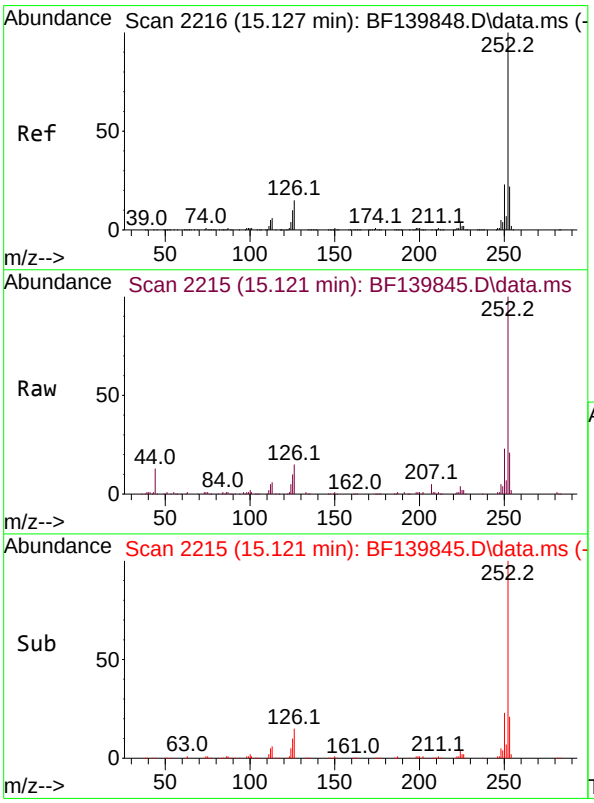
#88
Benzo(b)fluoranthene
Concen: 5.405 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 124353

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.7	7.9	11.9

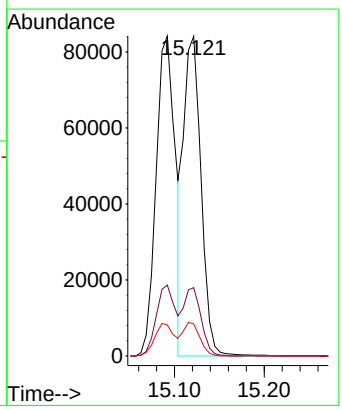


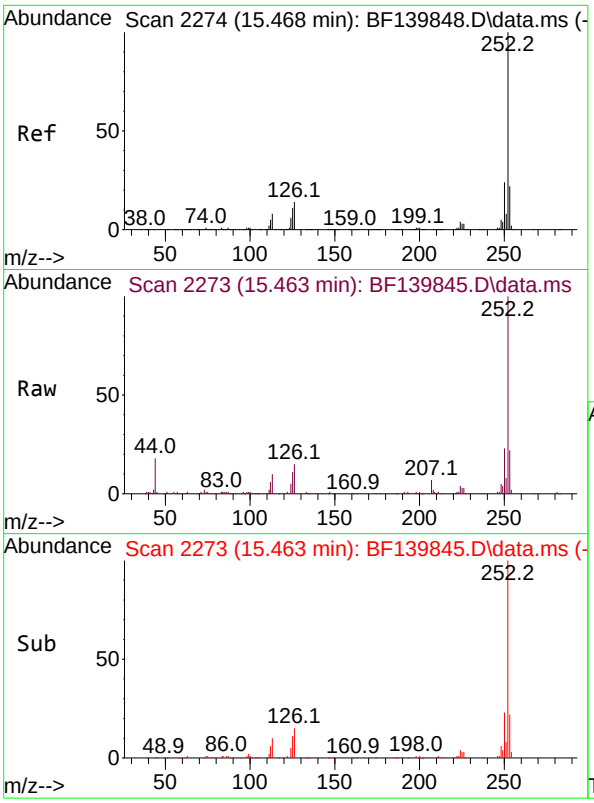


#89
Benzo(k)fluoranthene
Concen: 5.772 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:252 Resp: 114525

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.0	7.9	11.9



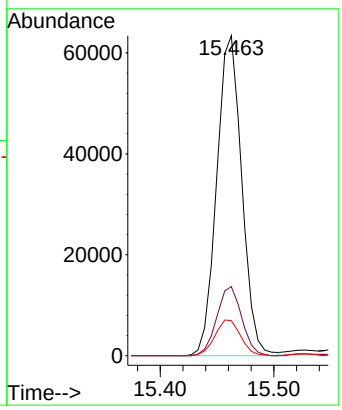


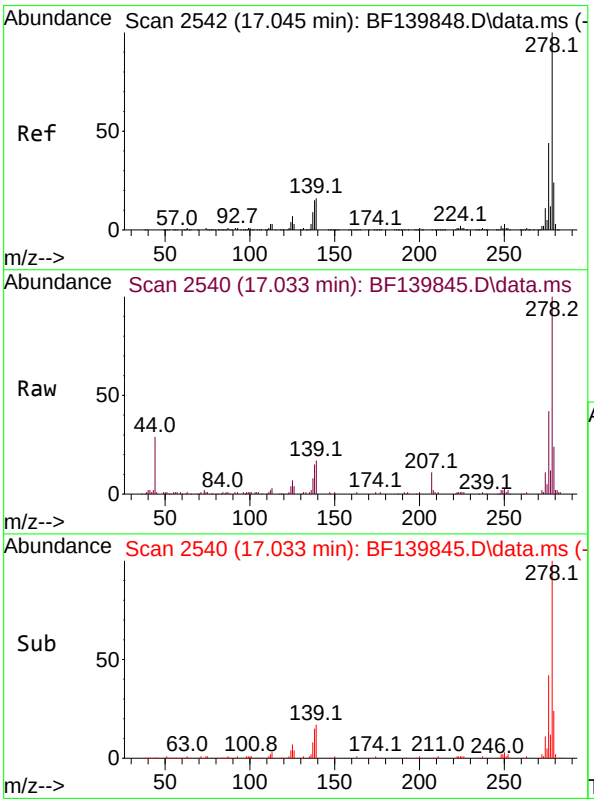
#90
Benzo(a)pyrene
Concen: 5.137 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 97243

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.9	8.7	13.1

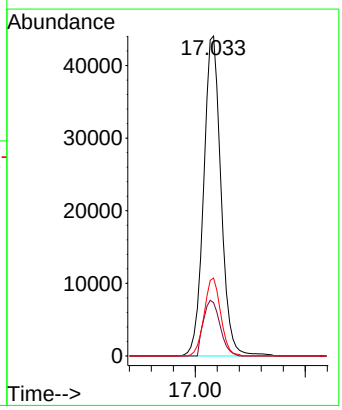


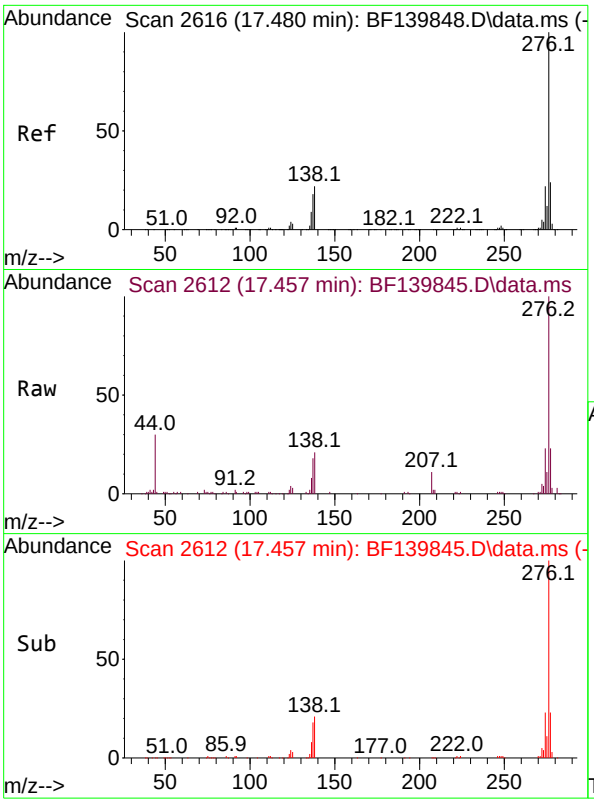


#91
Dibenzo(a,h)anthracene
Concen: 4.757 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.012 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Tgt Ion:278 Resp: 96416

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.1	19.7
279	24.4	19.0	28.4



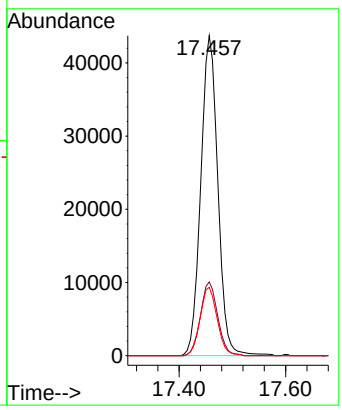


#92
Benzo(g,h,i)perylene
Concen: 4.805 ng
RT: 17.457 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF139845.D
Acq: 18 Oct 2024 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 97292

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.6
138	21.3	17.4	26.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139846.D
Acq On : 18 Oct 2024 11:23
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 18 14:17:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	188831	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	733621	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	411556	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	732661	20.000	ng		0.00
76) Chrysene-d12	14.051	240	452443	20.000	ng		0.00
86) Perylene-d12	15.527	264	375863	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	264054	21.891	ng		0.00
7) Phenol-d6	6.498	99	343334	21.977	ng		-0.01
23) Nitrobenzene-d5	7.445	82	268128	20.257	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	80655	20.952	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	574563	23.073	ng		0.00
79) Terphenyl-d14	12.998	244	603787	21.745	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	58969	10.485	ng		97
3) Pyridine	3.440	79	148260	10.636	ng		97
4) n-Nitrosodimethylamine	3.375	42	75504	10.081	ng		96
6) Aniline	6.546	93	155680	10.692	ng		98
8) 2-Chlorophenol	6.669	128	134290	10.890	ng		99
9) Benzaldehyde	6.440	77	107330	12.213	ng		98
10) Phenol	6.510	94	172965	10.549	ng		98
11) bis(2-Chloroethyl)ether	6.616	93	134367	10.794	ng		100
12) 1,3-Dichlorobenzene	6.828	146	156338	11.045	ng		99
13) 1,4-Dichlorobenzene	6.904	146	154957	10.957	ng		99
14) 1,2-Dichlorobenzene	7.057	146	149129	11.299	ng		98
15) Benzyl Alcohol	7.022	79	122669	10.704	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	227443	10.715	ng		99
17) 2-Methylphenol	7.128	107	109901	10.452	ng		98
18) Hexachloroethane	7.404	117	53892	10.686	ng		99
19) n-Nitroso-di-n-propyla...	7.293	70	100635	10.621	ng		98
20) 3+4-Methylphenols	7.275	107	148497	11.041	ng	#	90
22) Acetophenone	7.293	105	195595	10.885	ng		96
24) Nitrobenzene	7.463	77	147356	10.154	ng		98
25) Isophorone	7.698	82	260247	10.359	ng		98
26) 2-Nitrophenol	7.781	139	50159	9.162	ng		100
27) 2,4-Dimethylphenol	7.810	122	94947	10.400	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	161423	10.605	ng		99
29) 2,4-Dichlorophenol	8.016	162	109102	10.492	ng		100
30) 1,2,4-Trichlorobenzene	8.110	180	121232	10.537	ng		99
31) Naphthalene	8.192	128	411053	10.864	ng		99
32) Benzoic acid	7.869	122	64294	8.075	ng		99
33) 4-Chloroaniline	8.234	127	140021	10.853	ng		100
34) Hexachlorobutadiene	8.310	225	75740	10.477	ng		99
35) Caprolactam	8.569	113	33908	10.256	ng		99
36) 4-Chloro-3-methylphenol	8.704	107	120339	10.452	ng		98
37) 2-Methylnaphthalene	8.881	142	252554	10.899	ng		99
38) 1-Methylnaphthalene	8.981	142	250609	11.023	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	119227	10.738	ng		99
41) Hexachlorocyclopentadiene	9.039	237	39754	10.290	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	78578	9.996	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139846.D
Acq On : 18 Oct 2024 11:23
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 18 14:17:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

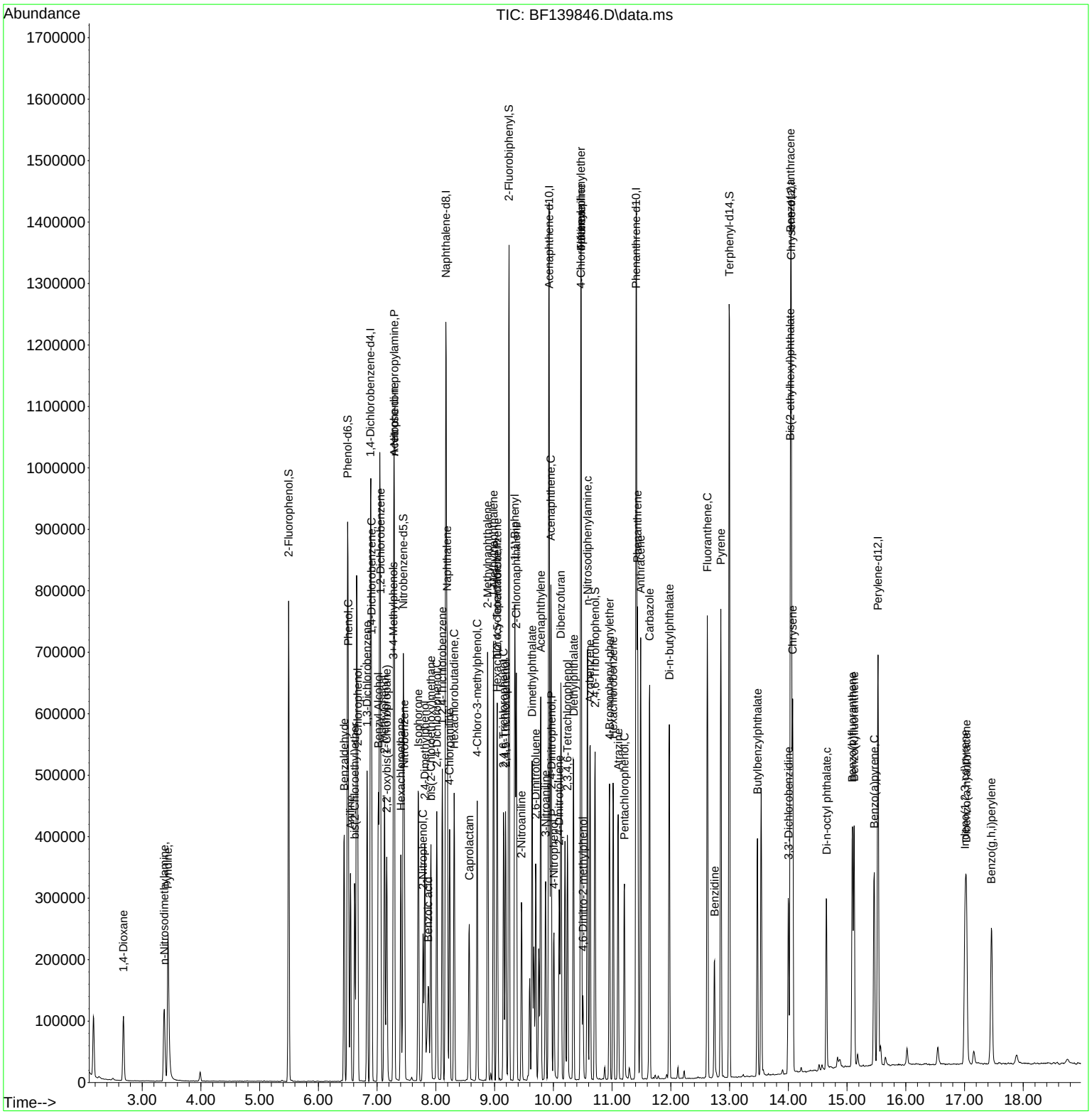
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	87482	10.787	ng		100
46) 1,1'-Biphenyl	9.345	154	316146	11.035	ng		99
47) 2-Chloronaphthalene	9.369	162	252140	10.927	ng		98
48) 2-Nitroaniline	9.457	65	65425	9.270	ng		98
49) Acenaphthylene	9.787	152	361398	10.833	ng		99
50) Dimethylphthalate	9.639	163	276645	10.792	ng		99
51) 2,6-Dinitrotoluene	9.698	165	54824	9.877	ng		95
52) Acenaphthene	9.957	154	233749	10.832	ng		98
53) 3-Nitroaniline	9.869	138	56574	9.884	ng	#	98
54) 2,4-Dinitrophenol	9.969	184	11577	11.138	ng	#	1
55) Dibenzofuran	10.128	168	341446	11.028	ng		98
56) 4-Nitrophenol	10.010	139	42688	9.694	ng		98
57) 2,4-Dinitrotoluene	10.098	165	64666	9.474	ng		94
58) Fluorene	10.475	166	269323	11.420	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	66170	10.408	ng		97
60) Diethylphthalate	10.345	149	269178	10.694	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	131191	11.016	ng		97
62) 4-Nitroaniline	10.475	138	53288	9.857	ng		98
63) Azobenzene	10.622	77	284960	10.679	ng		100
65) 4,6-Dinitro-2-methylph...	10.504	198	20120	6.732	ng		97
66) n-Nitrosodiphenylamine	10.581	169	234741	10.705	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	79420	10.522	ng		98
68) Hexachlorobenzene	11.016	284	89927	10.594	ng		98
69) Atrazine	11.104	200	64267	10.819	ng		99
70) Pentachlorophenol	11.210	266	50361	9.775	ng		100
71) Phenanthrene	11.433	178	379233	10.958	ng		99
72) Anthracene	11.486	178	371391	10.999	ng		99
73) Carbazole	11.639	167	353253	11.249	ng		99
74) Di-n-butylphthalate	11.975	149	392482	10.818	ng		99
75) Fluoranthene	12.622	202	405919	11.602	ng		99
77) Benzidine	12.745	184	104253	14.168	ng		99
78) Pyrene	12.851	202	413606	10.444	ng		99
80) Butylbenzylphthalate	13.474	149	116053	9.774	ng		100
81) Benzo(a)anthracene	14.039	228	306594	10.410	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	84205	9.806	ng		99
83) Chrysene	14.074	228	281467	10.423	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	121932	9.153	ng		99
85) Di-n-octyl phthalate	14.651	149	177824	7.339	ng		99
87) Indeno(1,2,3-cd)pyrene	17.010	276	236914	9.798	ng		99
88) Benzo(b)fluoranthene	15.092	252	232988	10.176	ng		99
89) Benzo(k)fluoranthene	15.121	252	221219	11.203	ng		99
90) Benzo(a)pyrene	15.463	252	192493	10.217	ng		100
91) Dibenzo(a,h)anthracene	17.033	278	199946	9.912	ng		99
92) Benzo(g,h,i)perylene	17.457	276	196609	9.758	ng		99

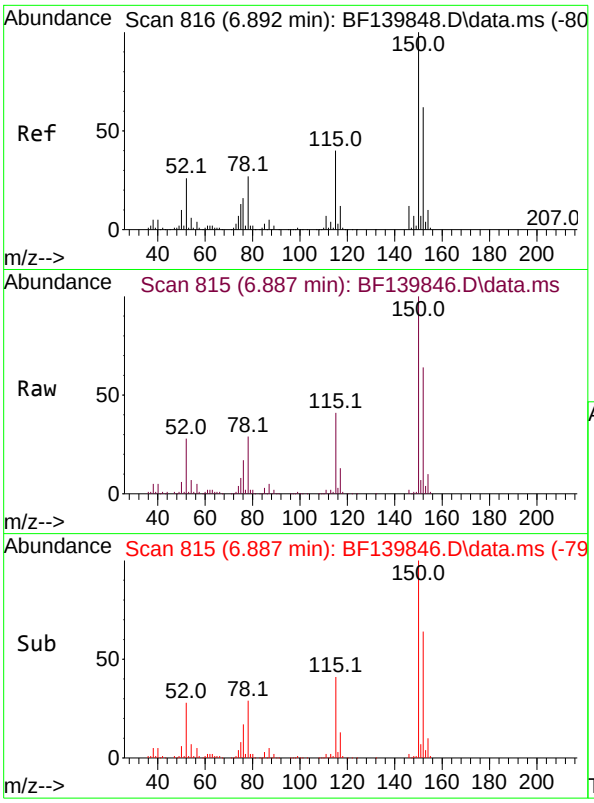
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139846.D
Acq On : 18 Oct 2024 11:23
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 18 14:17:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration



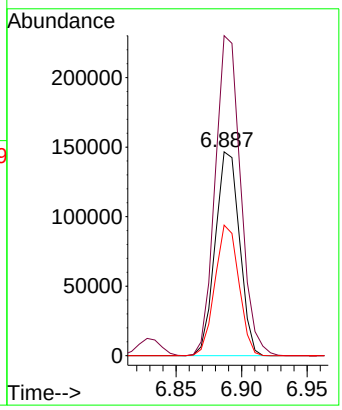


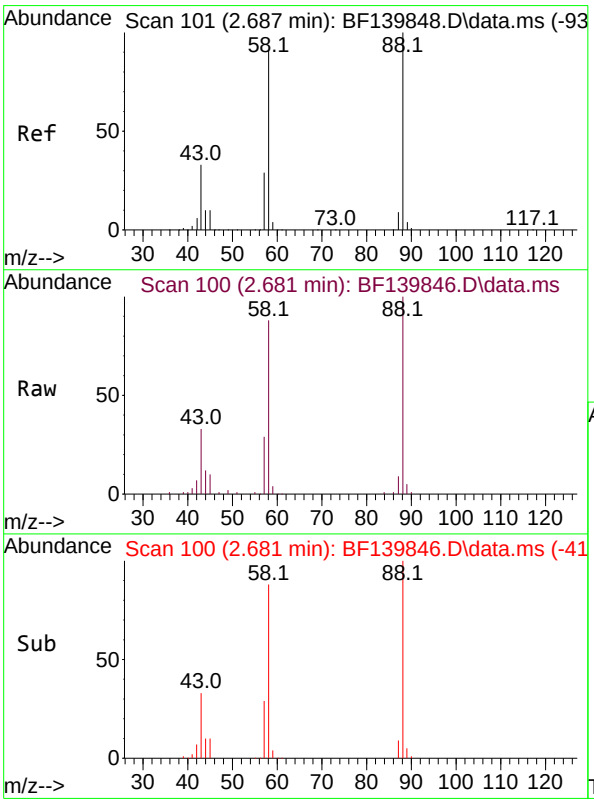
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 188831

Ion	Ratio	Lower	Upper
152	100		
150	157.0	130.2	195.2
115	64.1	51.4	77.2

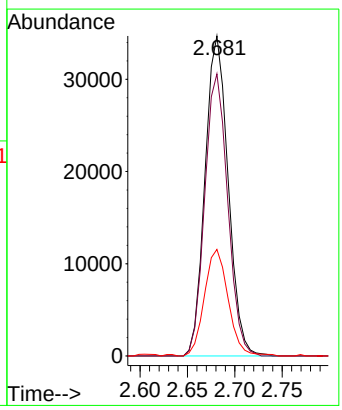


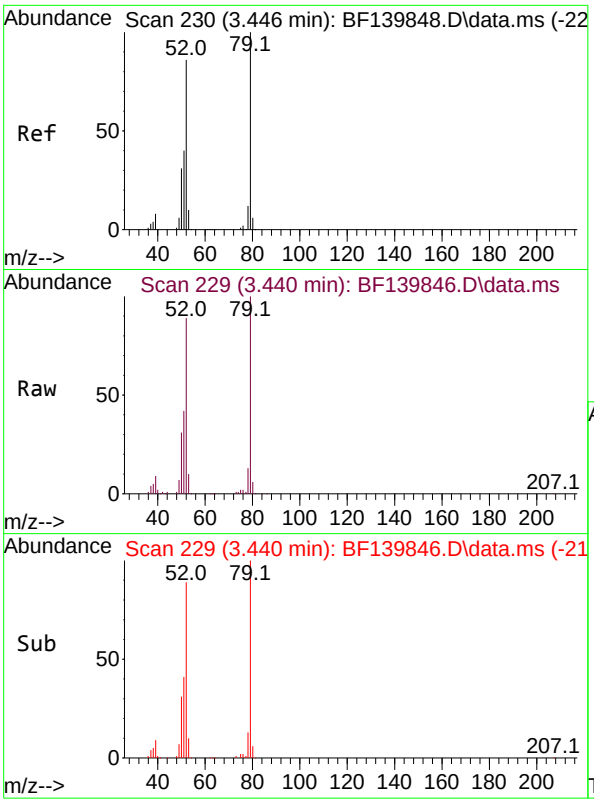


#2
1,4-Dioxane
Concen: 10.485 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 88 Resp: 58969

Ion	Ratio	Lower	Upper
88	100		
58	87.5	73.3	109.9
43	34.3	27.1	40.7



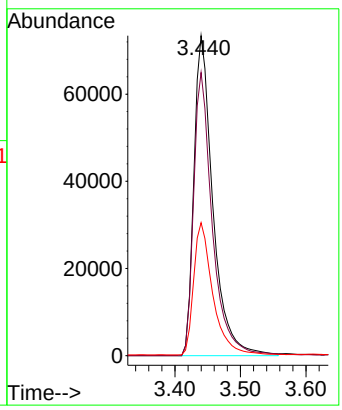


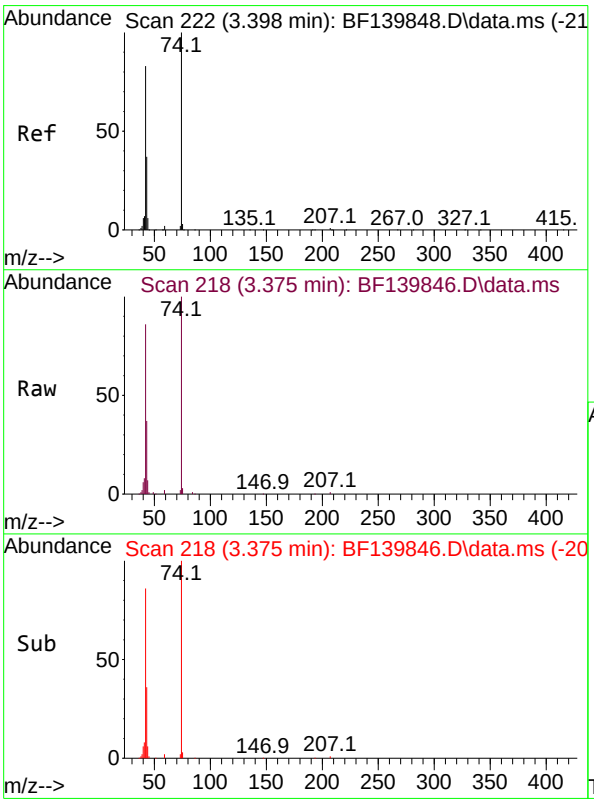
#3
Pyridine
Concen: 10.636 ng
RT: 3.440 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 148260

Ion	Ratio	Lower	Upper
79	100		
52	88.5	68.5	102.7
51	41.6	32.3	48.5

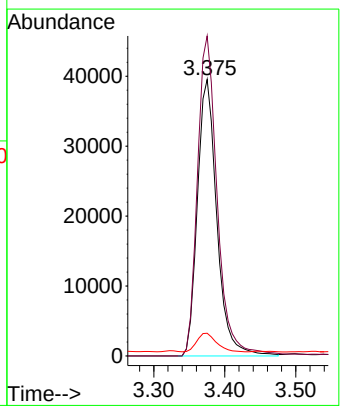


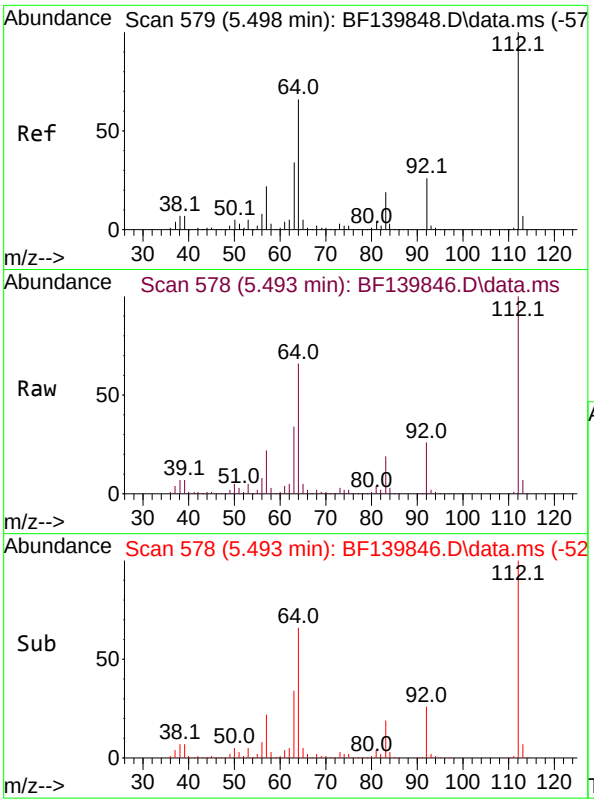


#4
n-Nitrosodimethylamine
Concen: 10.081 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.023 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 42 Resp: 75504

Ion	Ratio	Lower	Upper
42	100		
74	115.8	96.2	144.4
44	8.2	6.2	9.2



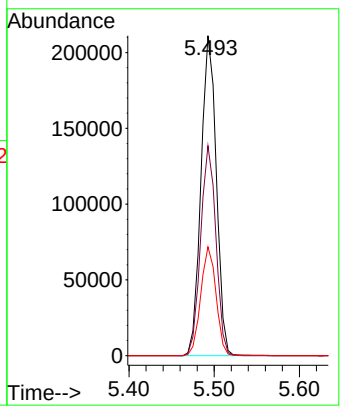


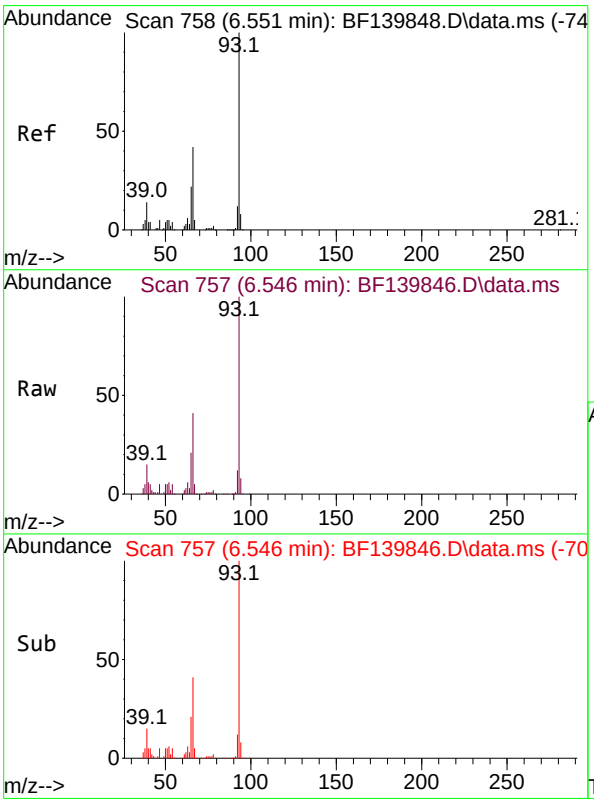
#5
2-Fluorophenol
Concen: 21.891 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 264054

Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.0	79.6
63	34.0	27.0	40.4

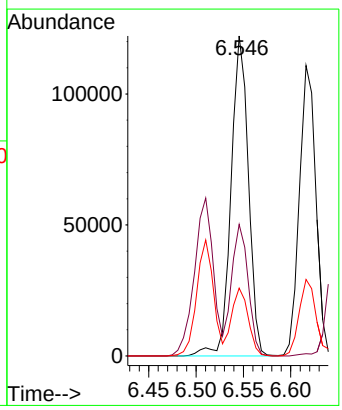


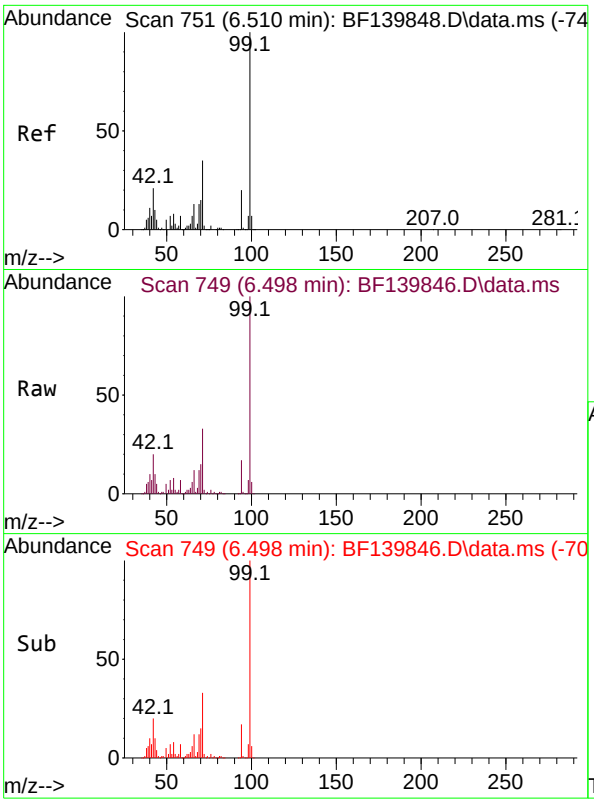


#6
Aniline
Concen: 10.692 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 93 Resp: 155680

Ion	Ratio	Lower	Upper
93	100		
66	41.1	34.0	51.0
65	21.2	17.4	26.0



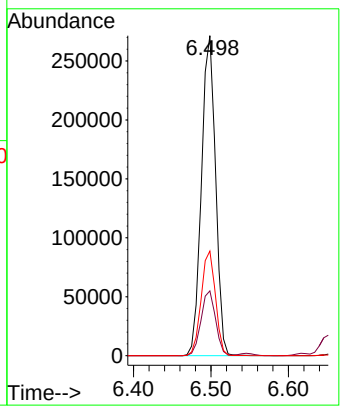


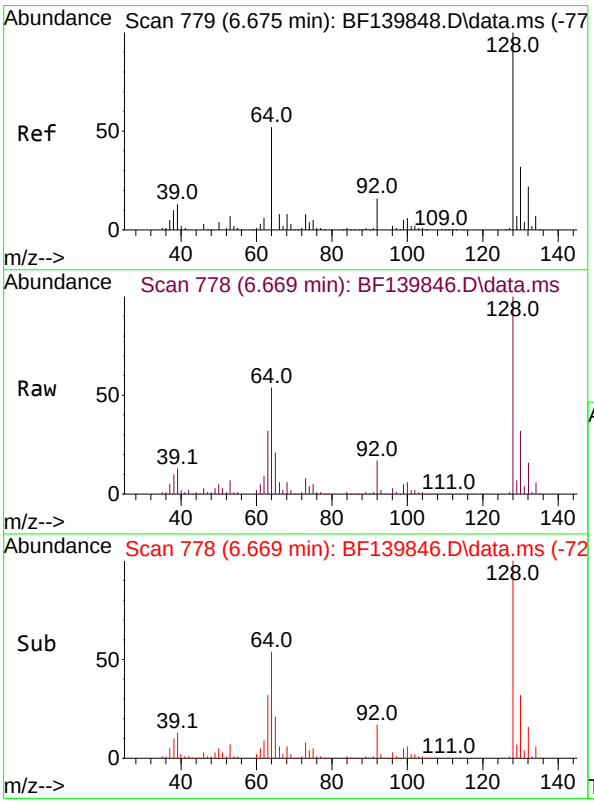
#7
Phenol-d6
Concen: 21.977 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 343334

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.7	25.1
71	32.7	27.7	41.5

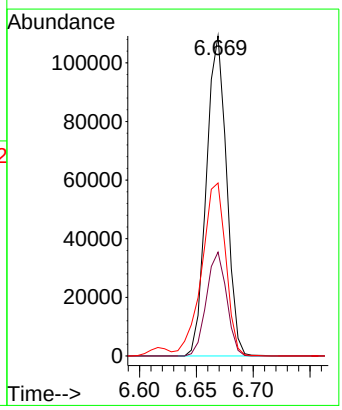


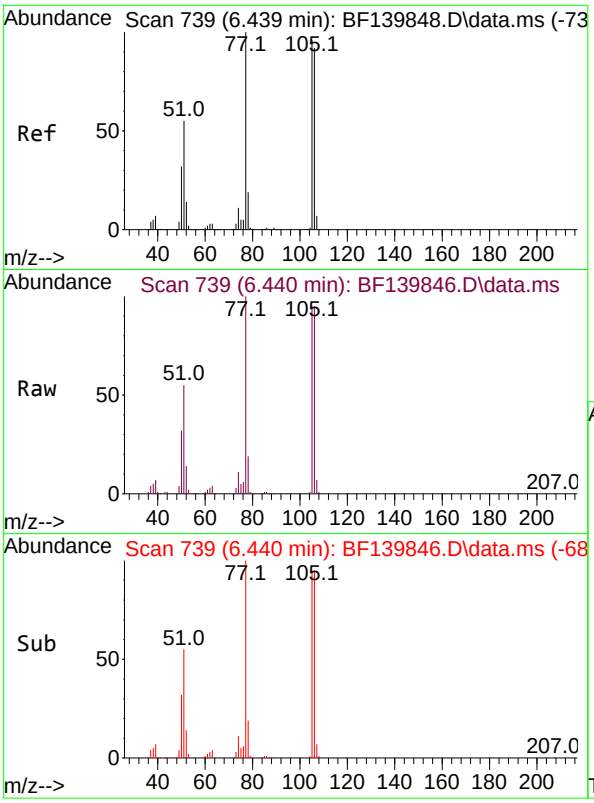


#8
2-Chlorophenol
Concen: 10.890 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:128 Resp: 134290

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.3	52.3
64	54.1	34.6	74.6



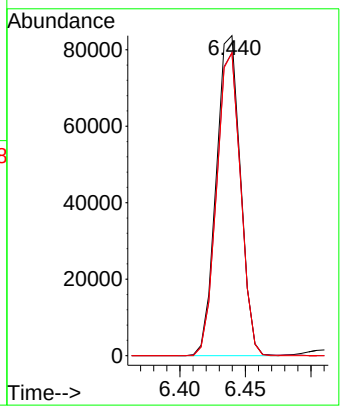


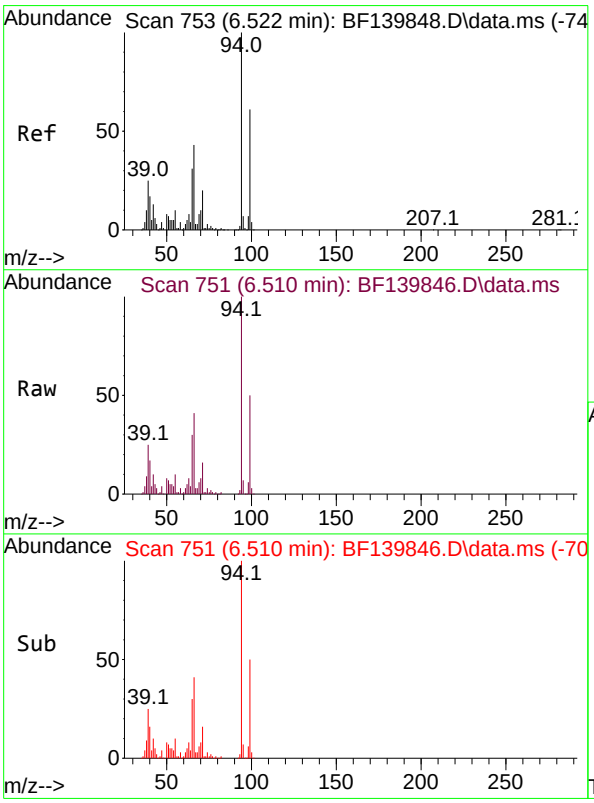
#9
Benzaldehyde
Concen: 12.213 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 107330

Ion	Ratio	Lower	Upper
77	100		
105	94.7	75.5	115.5
106	94.6	71.7	111.7

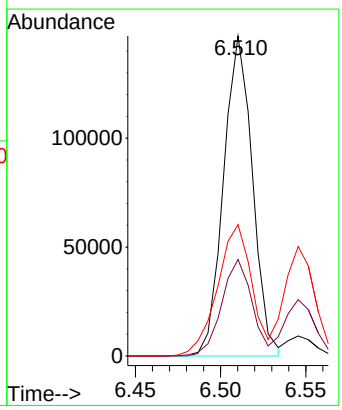


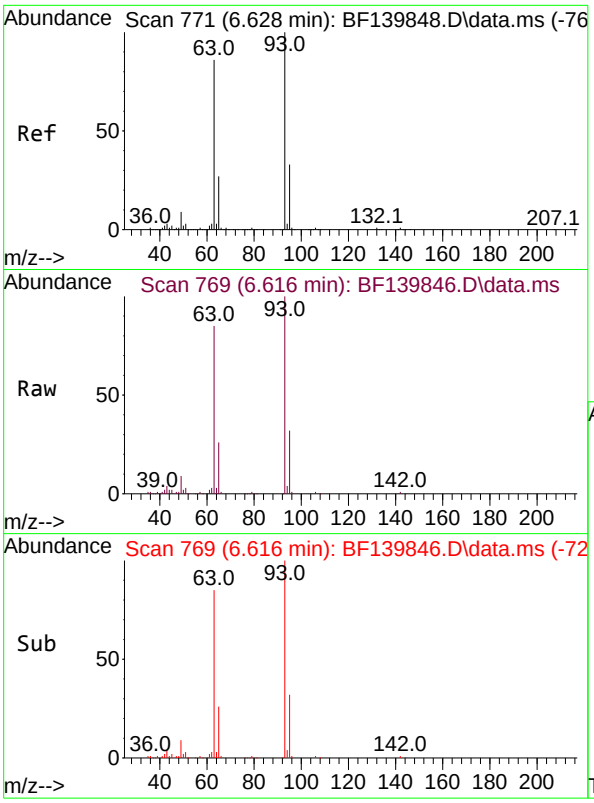


#10
Phenol
Concen: 10.549 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 94 Resp: 172965

Ion	Ratio	Lower	Upper
94	100		
65	30.1	11.1	51.1
66	41.0	22.7	62.7



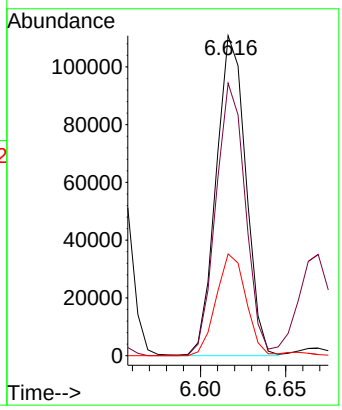


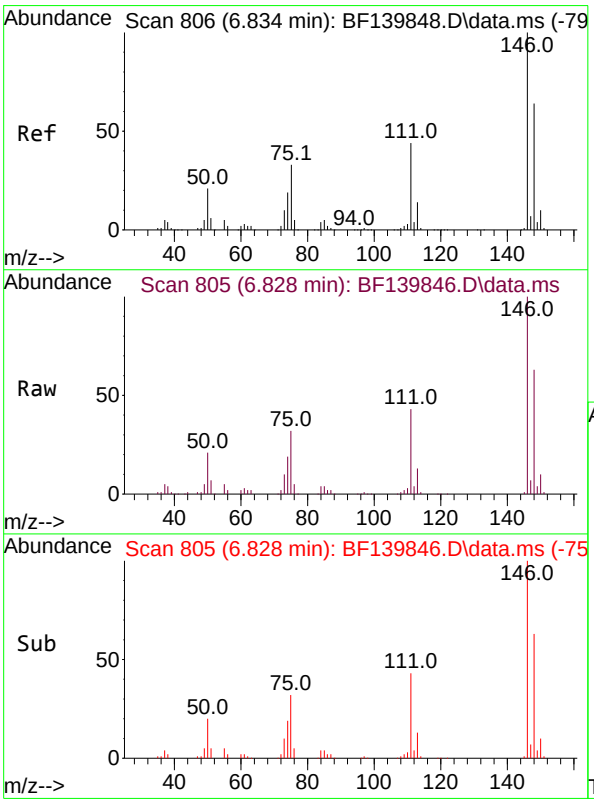
#11
bis(2-Chloroethyl)ether
Concen: 10.794 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 134367

Ion	Ratio	Lower	Upper
93	100		
63	85.2	65.0	105.0
95	31.8	12.4	52.4

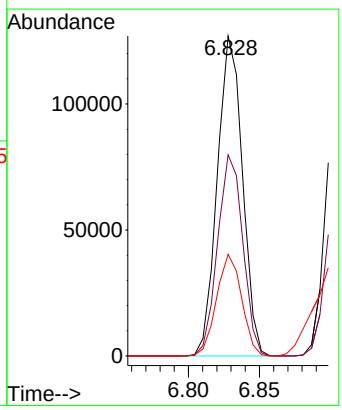


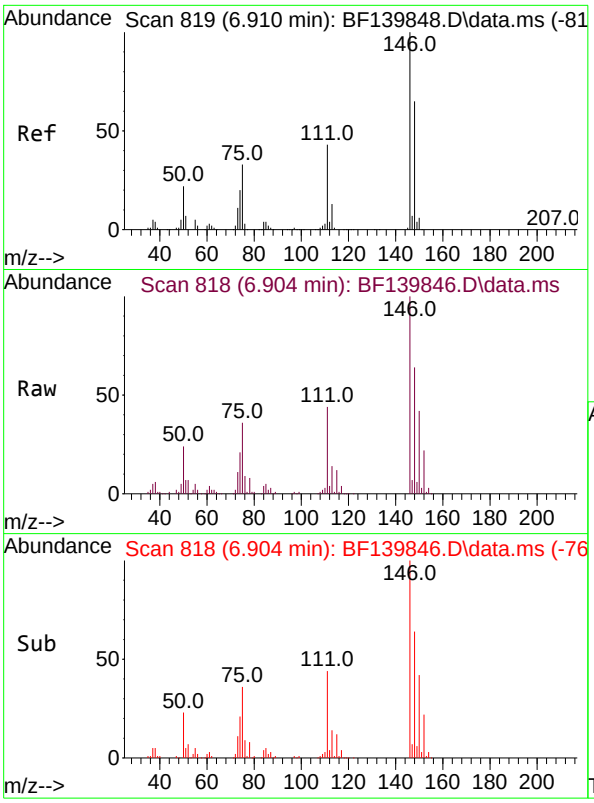


#12
1,3-Dichlorobenzene
Concen: 11.045 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:146 Resp: 156338

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
75	31.8	26.4	39.6



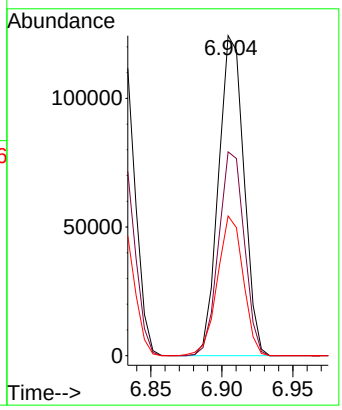


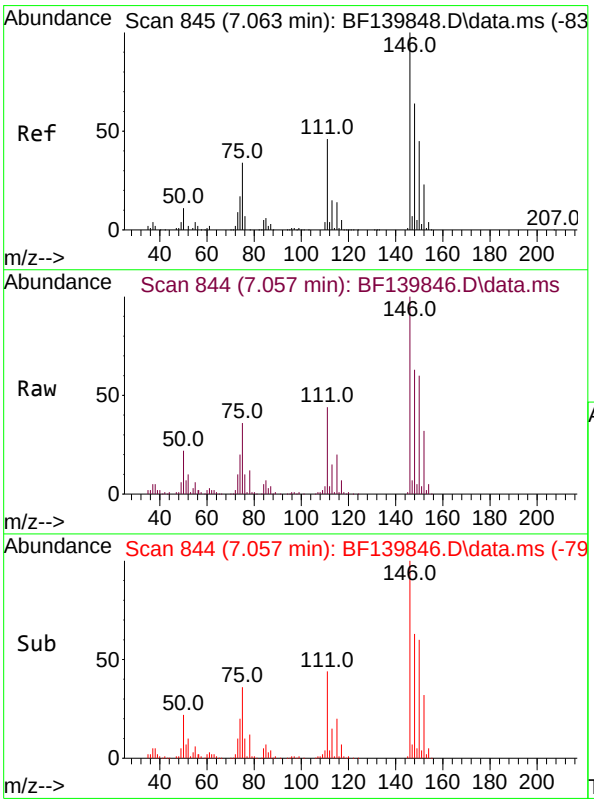
#13
1,4-Dichlorobenzene
Concen: 10.957 ng
RT: 6.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 154957

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.8
111	43.7	34.6	51.8

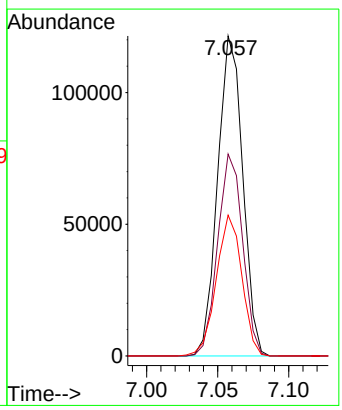


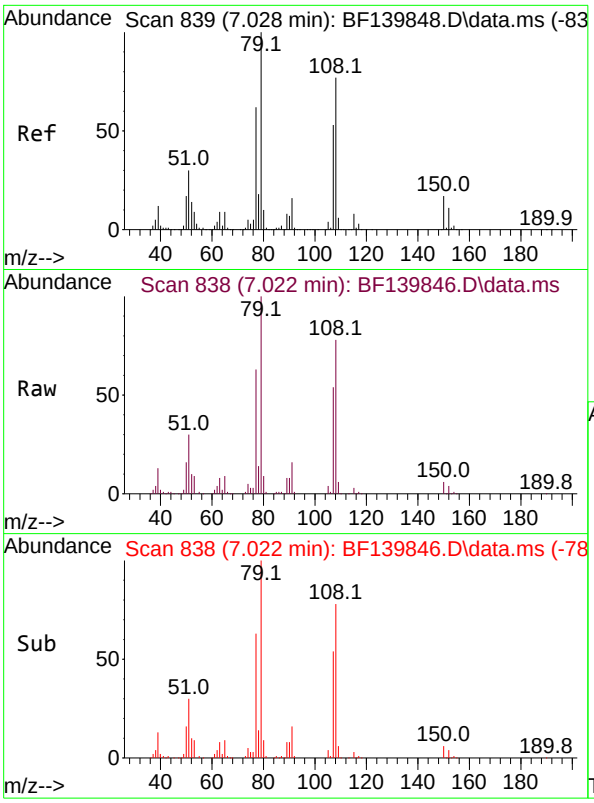


#14
1,2-Dichlorobenzene
Concen: 11.299 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:146 Resp: 149129

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.4	77.2
111	44.0	36.7	55.1



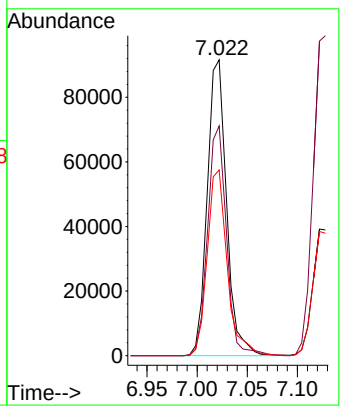


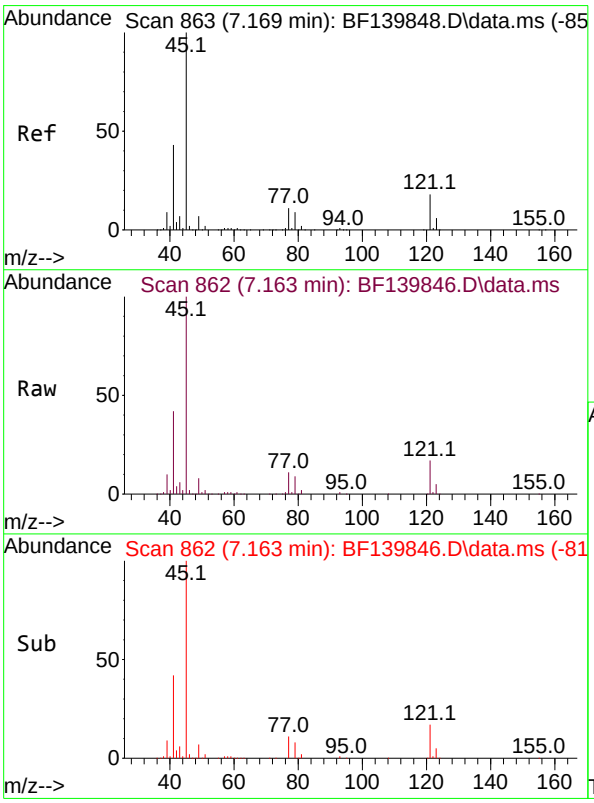
#15
Benzyl Alcohol
Concen: 10.704 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 122669

Ion	Ratio	Lower	Upper
79	100		
108	77.7	61.4	92.0
77	62.8	49.9	74.9

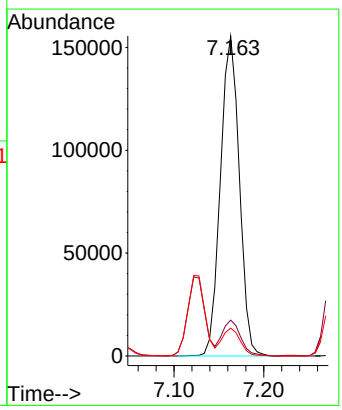


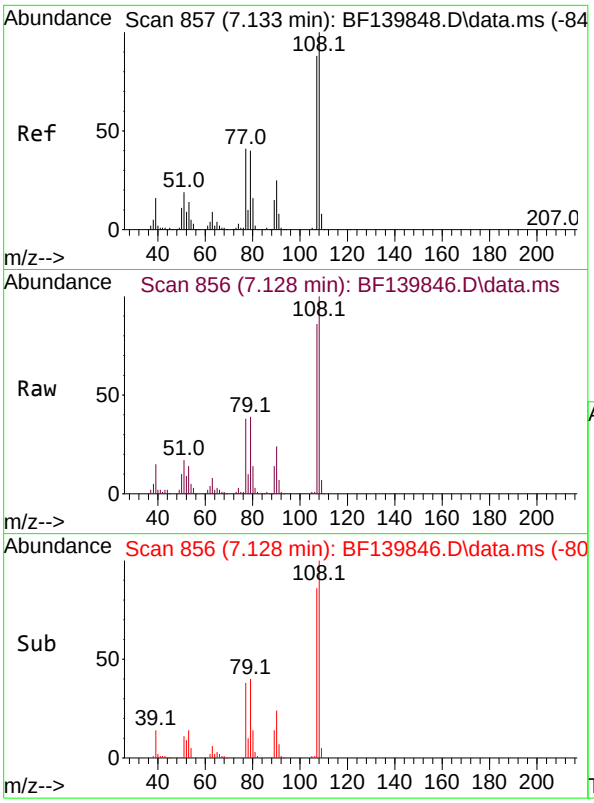


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.715 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 45 Resp: 227443

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.5
79	8.7	0.0	29.1



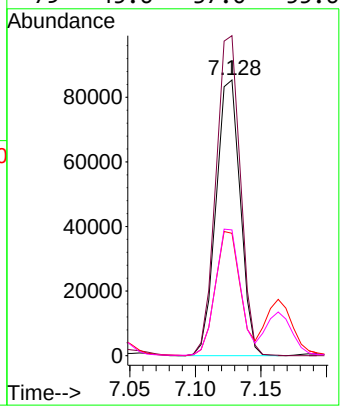


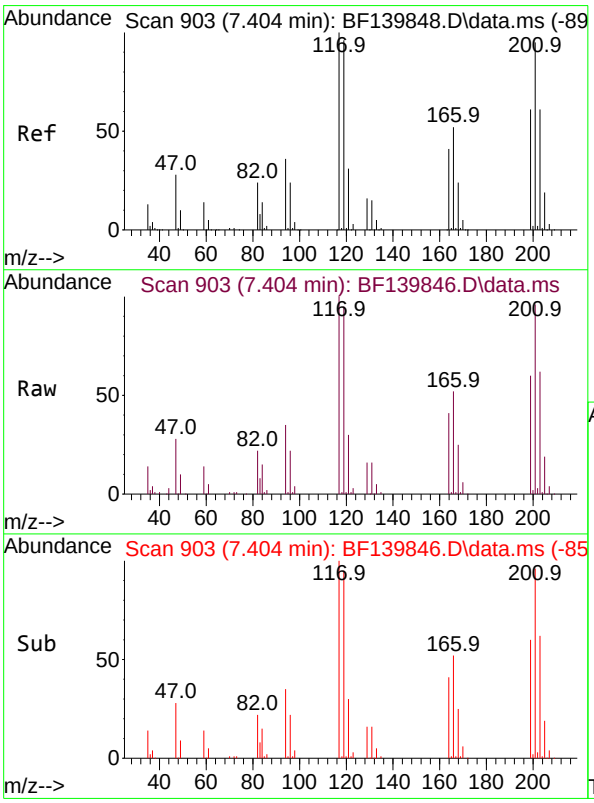
#17
2-Methylphenol
Concen: 10.452 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 109901

Ion	Ratio	Lower	Upper
107	100		
108	116.1	91.3	136.9
77	44.4	37.1	55.7
79	45.6	37.0	55.6

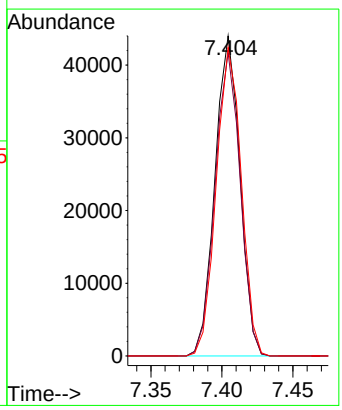


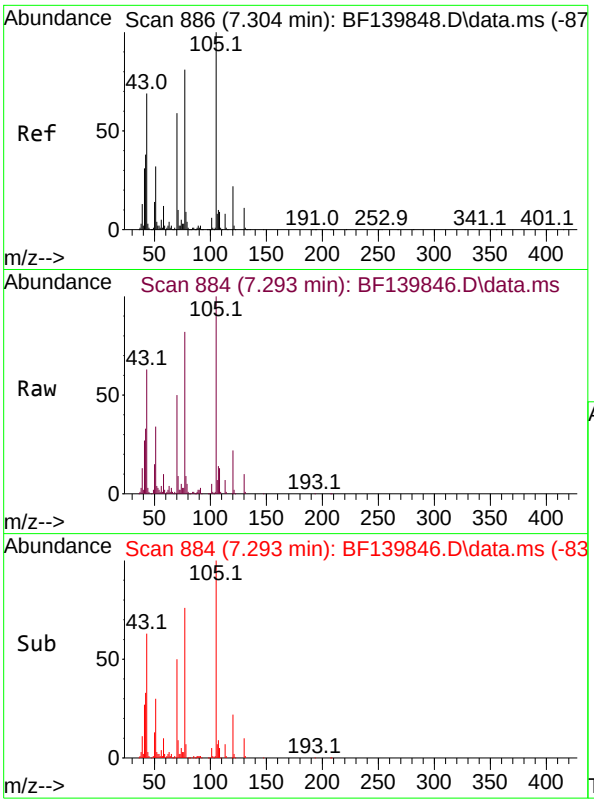


#18
Hexachloroethane
Concen: 10.686 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:117 Resp: 53892

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.4
201	96.4	76.2	114.4



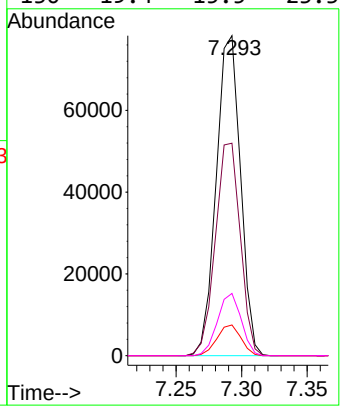


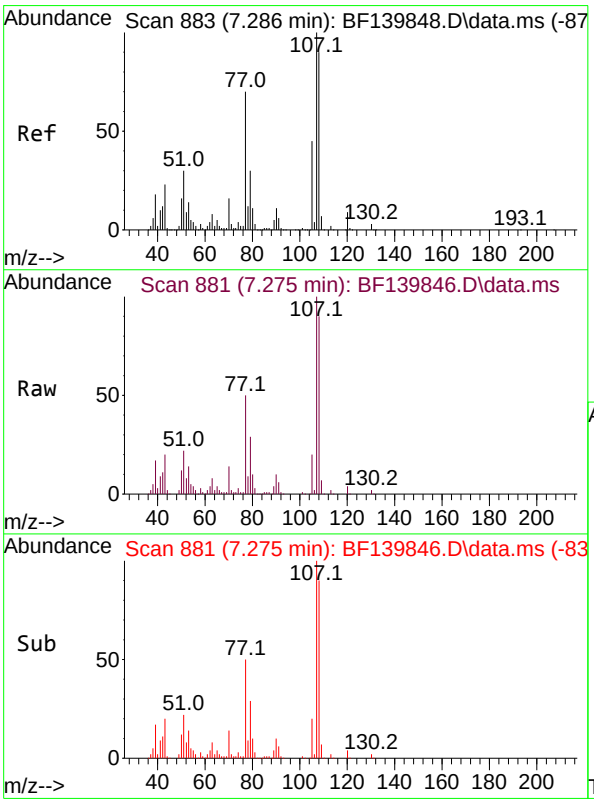
#19
n-Nitroso-di-n-propylamine
Concen: 10.621 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 100635

Ion	Ratio	Lower	Upper
70	100		
42	66.4	51.5	77.3
101	9.6	7.5	11.3
130	19.4	15.5	23.3

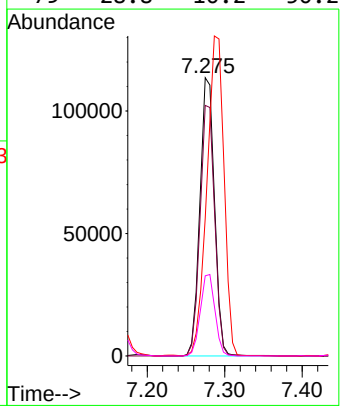


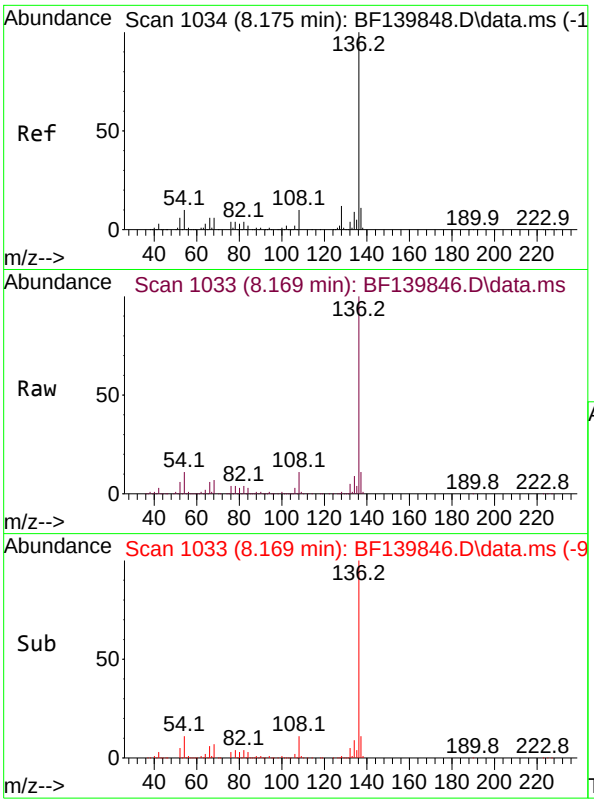


#20
3+4-Methylphenols
Concen: 11.041 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:107 Resp: 148497

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.8	109.8
77	49.6	50.5	90.5#
79	28.8	10.2	50.2



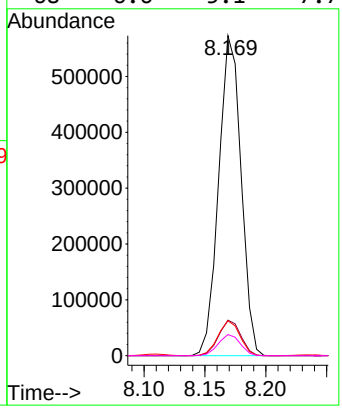


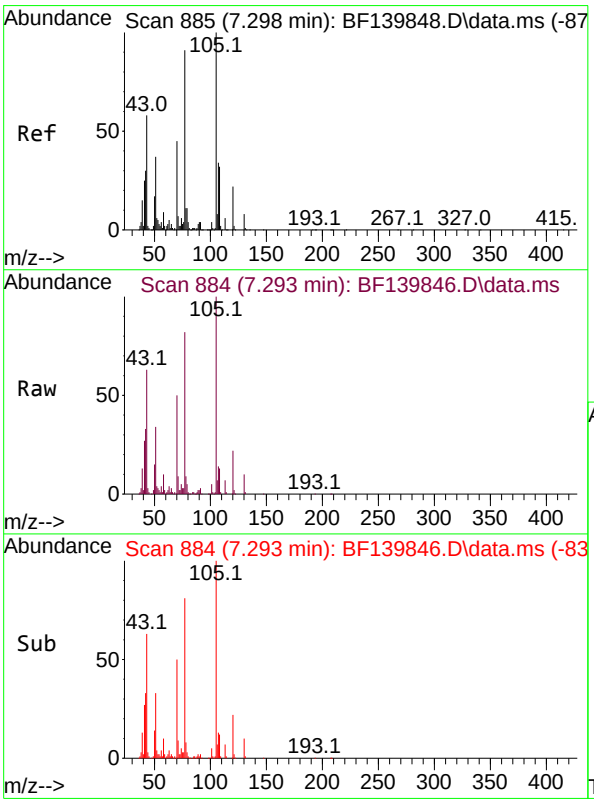
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 733621

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.9	8.4	12.6
68	6.6	5.1	7.7

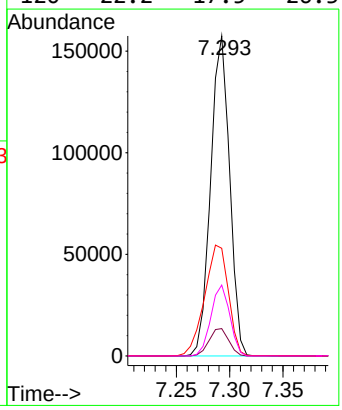


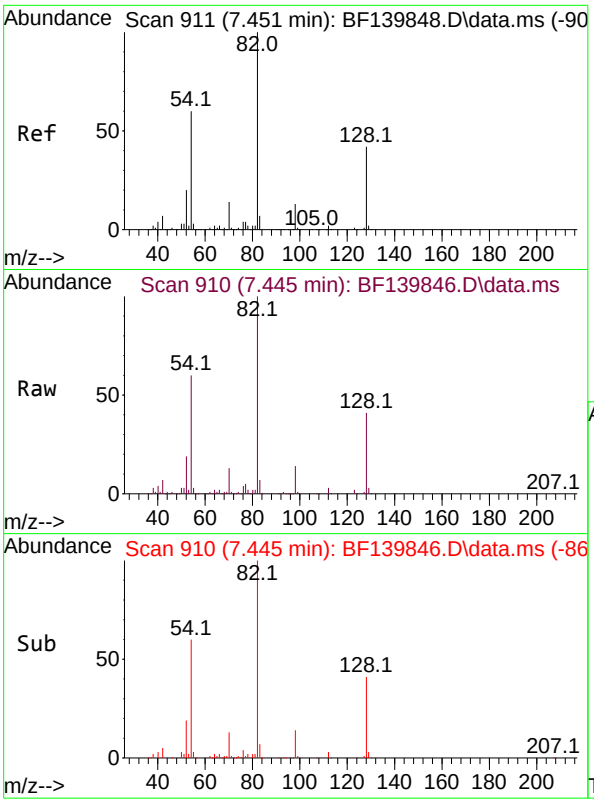


#22
Acetophenone
Concen: 10.885 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:105 Resp: 195595

Ion	Ratio	Lower	Upper
105	100		
71	8.5	5.9	8.9
51	33.6	29.4	44.2
120	22.2	17.5	26.3



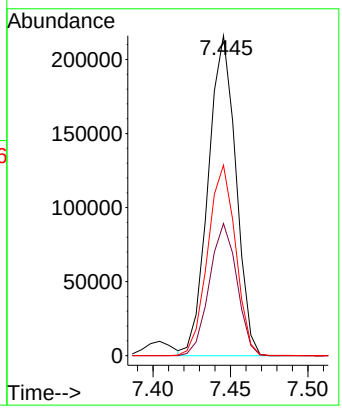


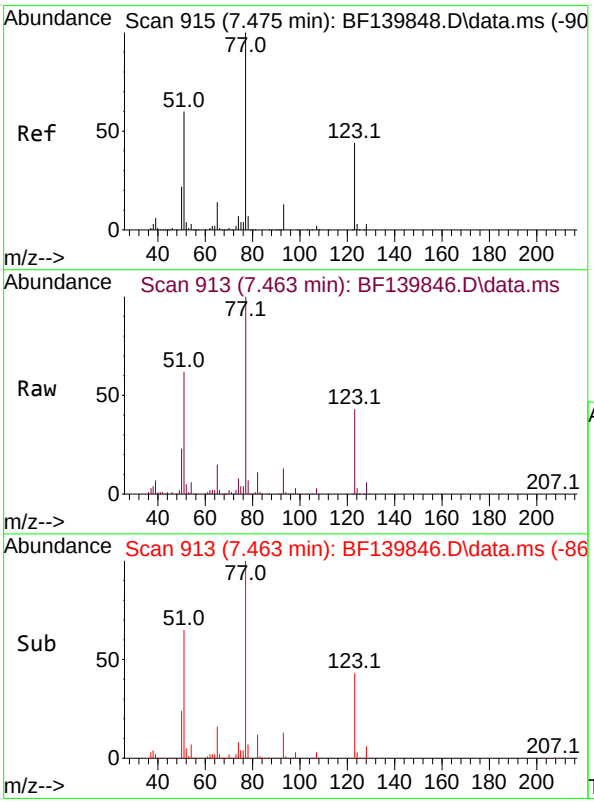
#23
Nitrobenzene-d5
Concen: 20.257 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 268128

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.4	50.0
54	59.5	47.8	71.8

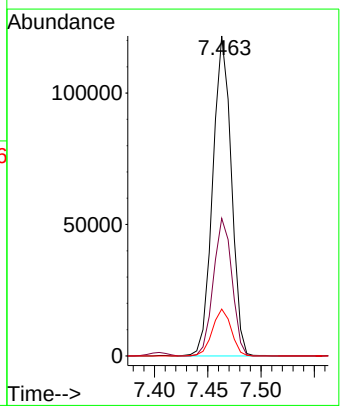


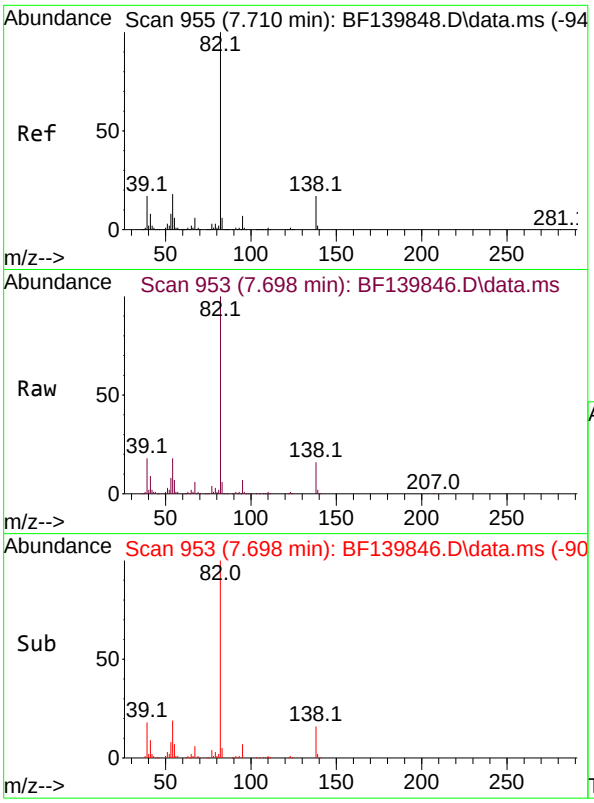


#24
Nitrobenzene
Concen: 10.154 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 77 Resp: 147356

Ion	Ratio	Lower	Upper
77	100		
123	43.0	35.7	53.5
65	14.6	11.5	17.3



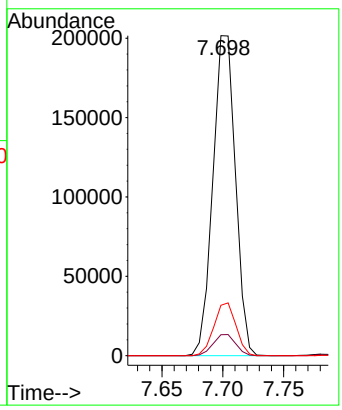


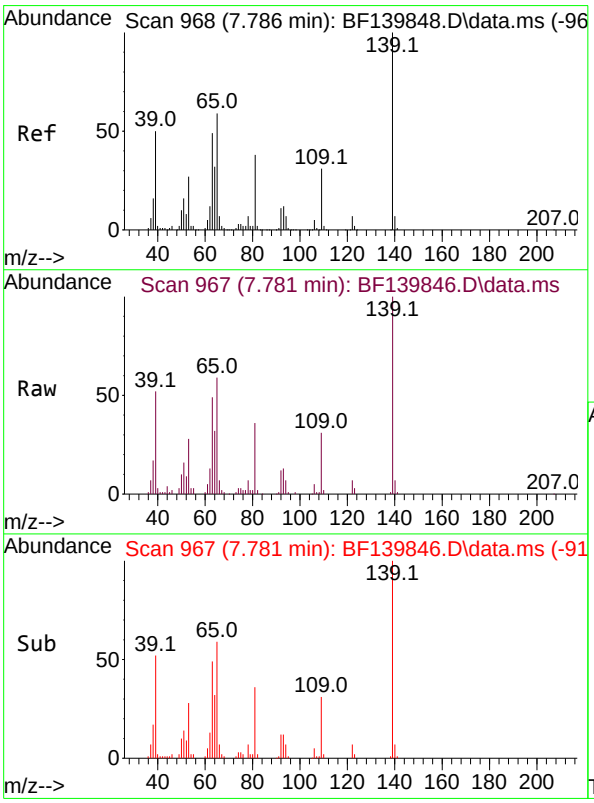
#25
Isophorone
Concen: 10.359 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 260247

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	15.7	13.2	19.8

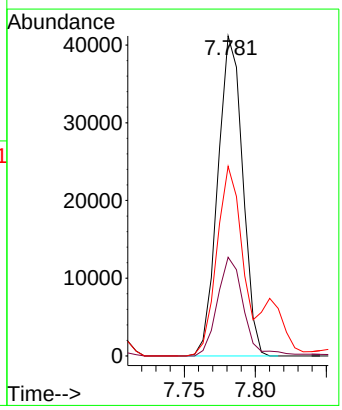


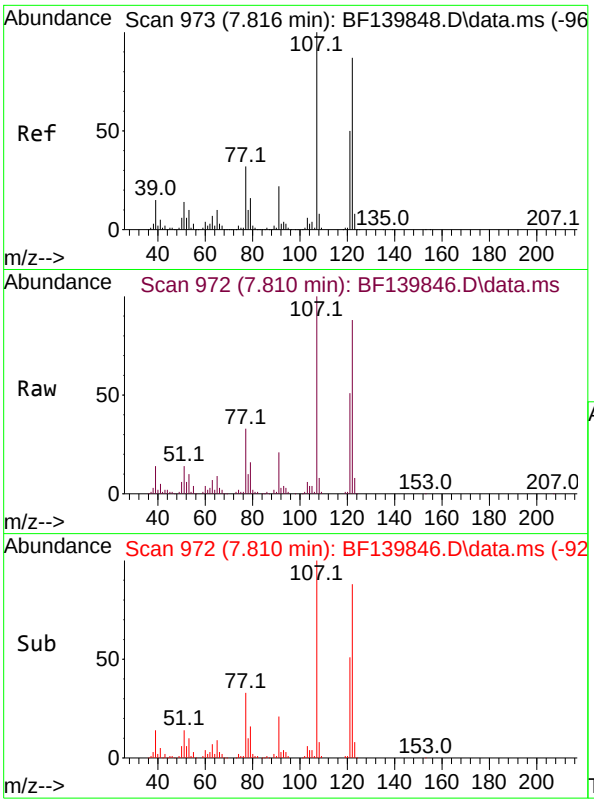


#26
2-Nitrophenol
Concen: 9.162 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:139 Resp: 50159

Ion	Ratio	Lower	Upper
139	100		
109	30.9	25.1	37.7
65	59.2	47.5	71.3



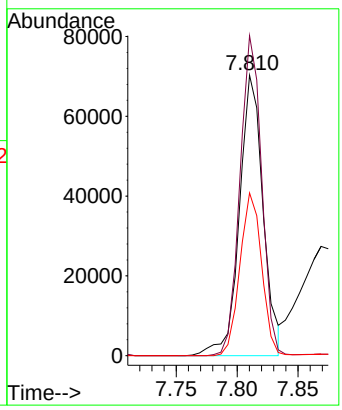


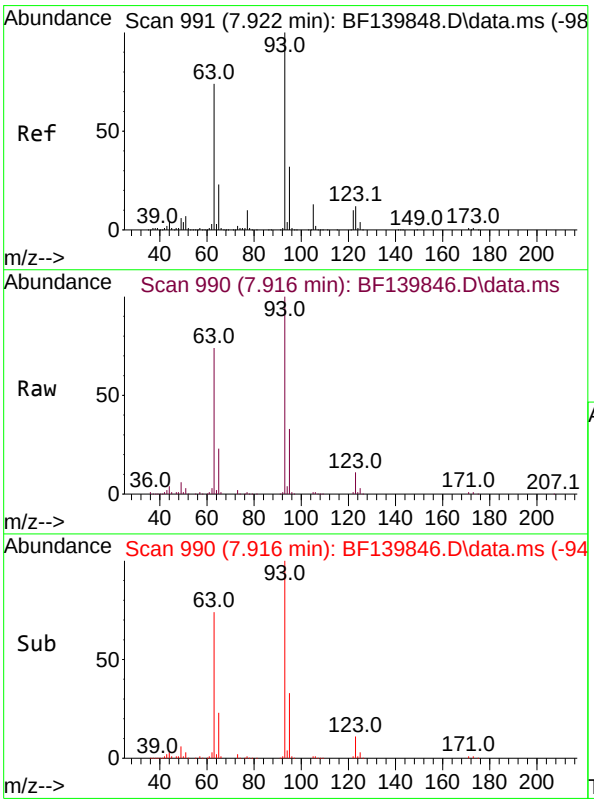
#27
2,4-Dimethylphenol
Concen: 10.400 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 94947

Ion	Ratio	Lower	Upper
122	100		
107	114.1	91.9	137.9
121	58.0	46.2	69.4

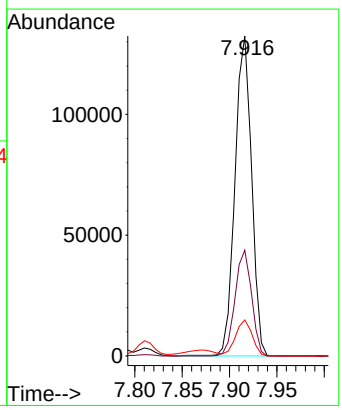


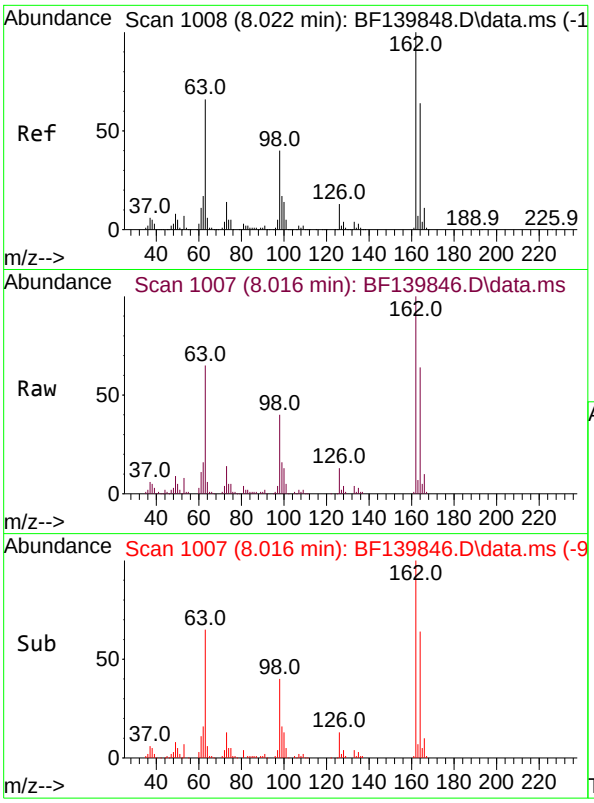


#28
bis(2-Chloroethoxy)methane
Concen: 10.605 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 93 Resp: 161423

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.2	9.8	14.8



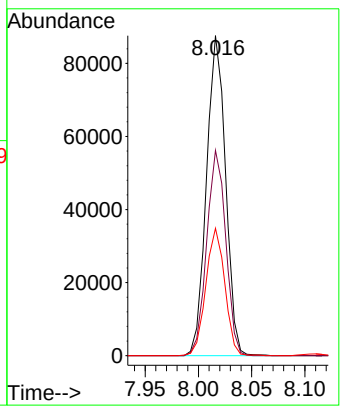


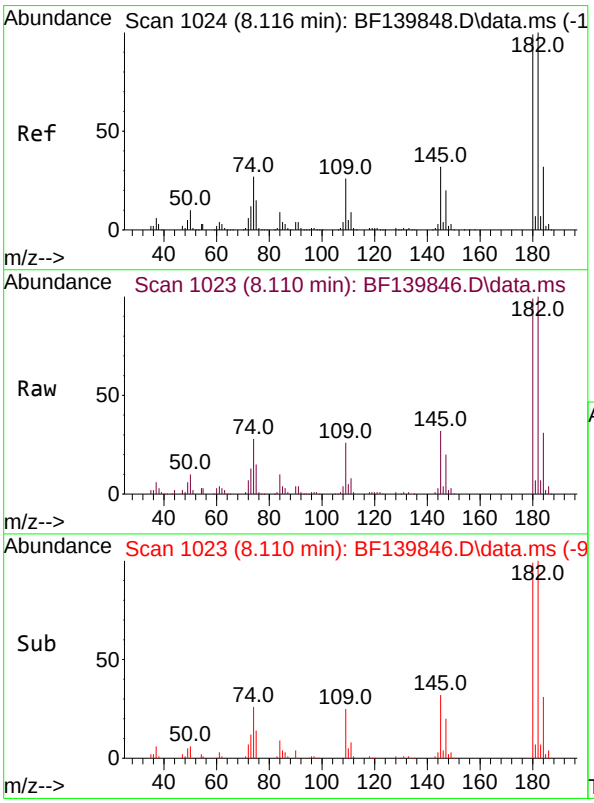
#29
2,4-Dichlorophenol
Concen: 10.492 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 109102

Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.9	83.9
98	39.8	19.9	59.9

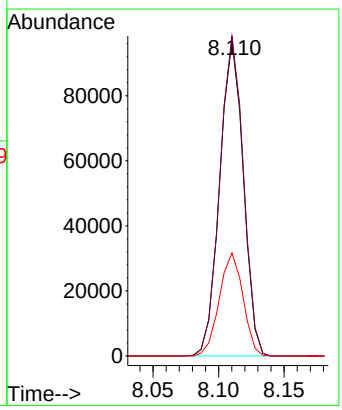


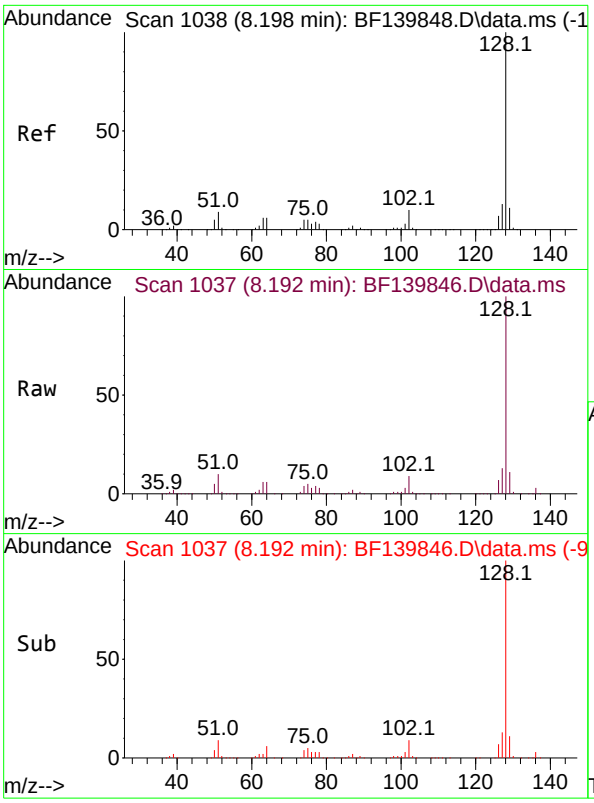


#30
1,2,4-Trichlorobenzene
Concen: 10.537 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:180 Resp: 121232

Ion	Ratio	Lower	Upper
180	100		
182	101.5	80.5	120.7
145	32.7	25.4	38.0



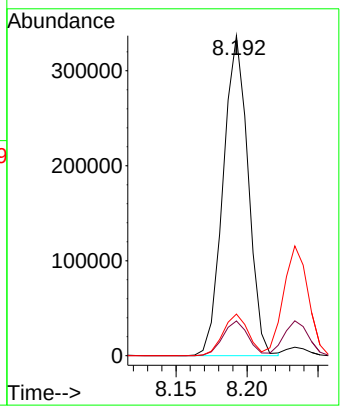


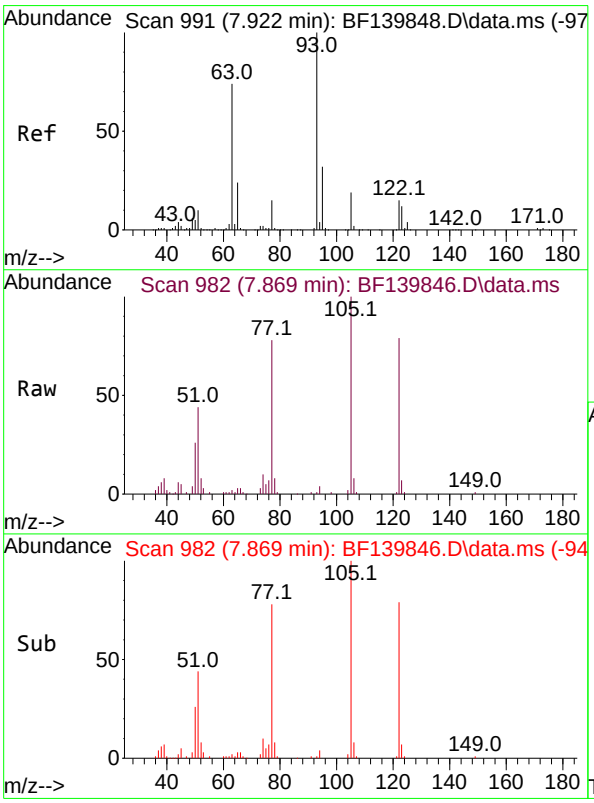
#31
Naphthalene
Concen: 10.864 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 411053

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.6	16.0

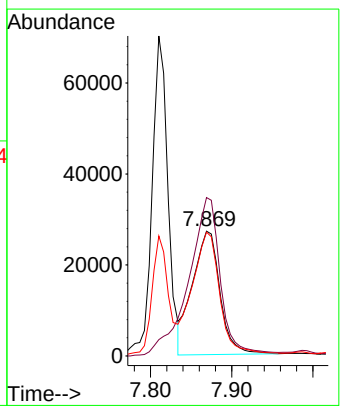


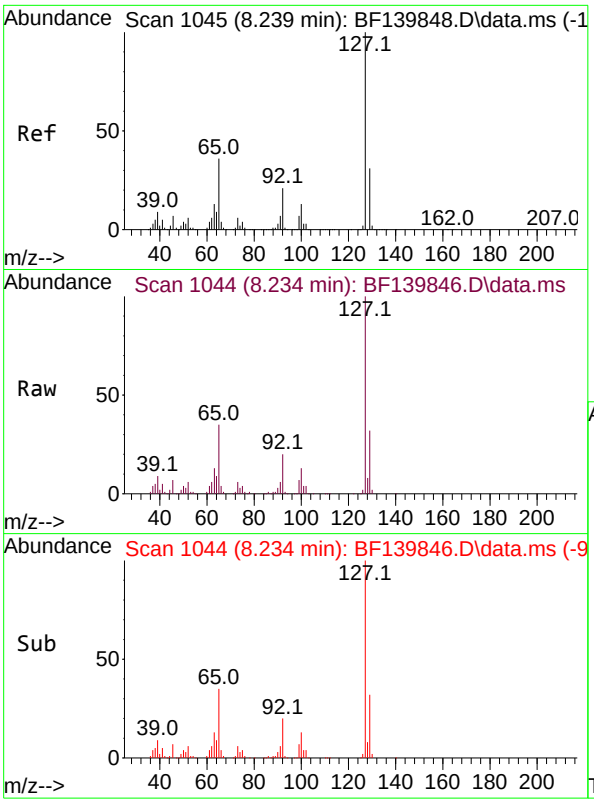


#32
Benzoic acid
Concen: 8.075 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.053 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:122 Resp: 64294

Ion	Ratio	Lower	Upper
122	100		
105	126.9	107.6	147.6
77	99.2	80.2	120.2



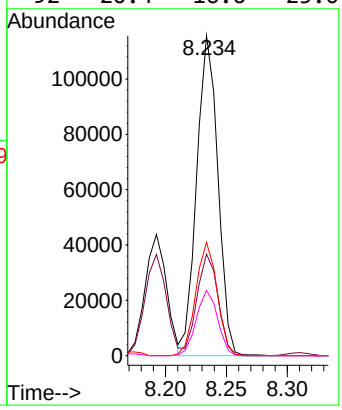


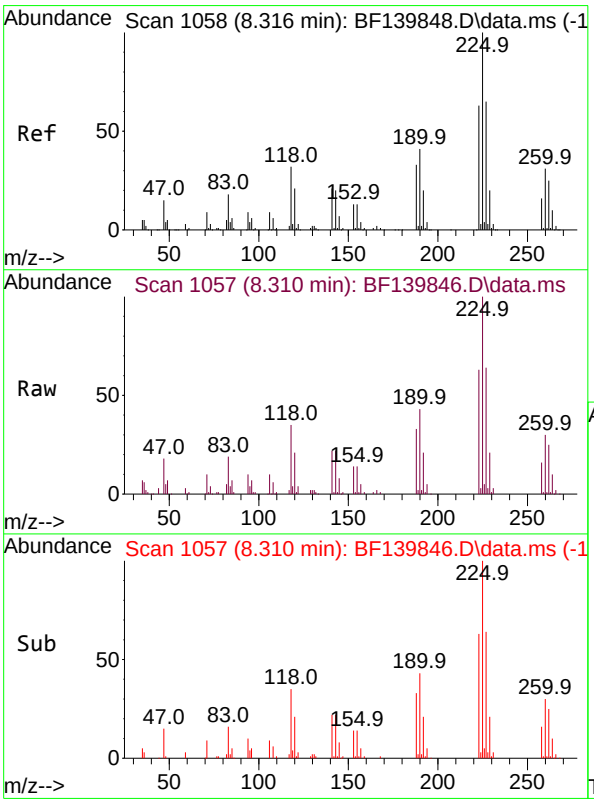
#33
4-Chloroaniline
Concen: 10.853 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 140021

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	35.4	28.4	42.6
92	20.4	16.6	25.0

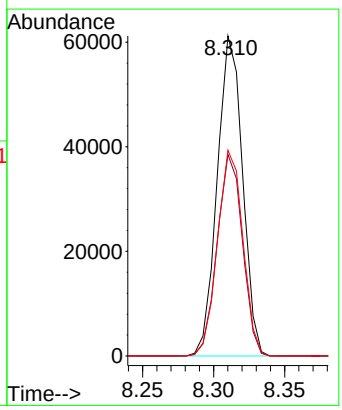


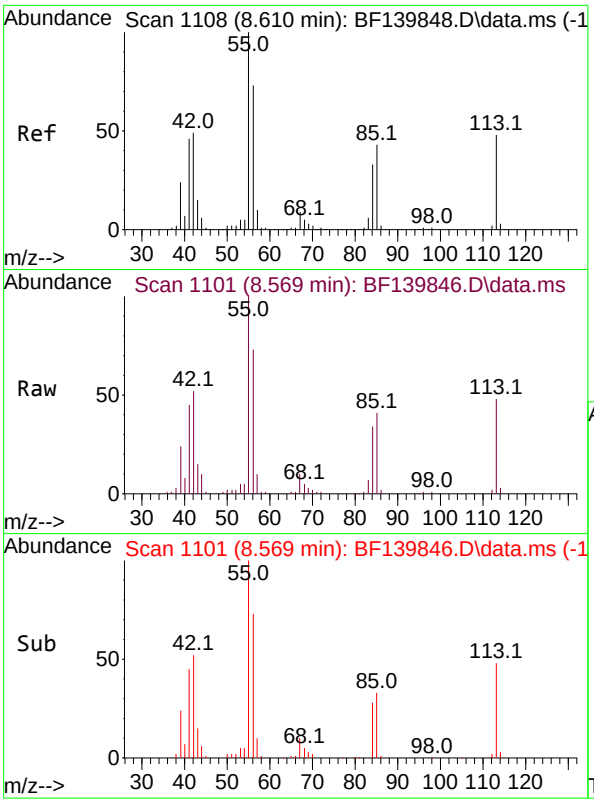


#34
Hexachlorobutadiene
Concen: 10.477 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:225 Resp: 75740

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	64.3	51.8	77.8



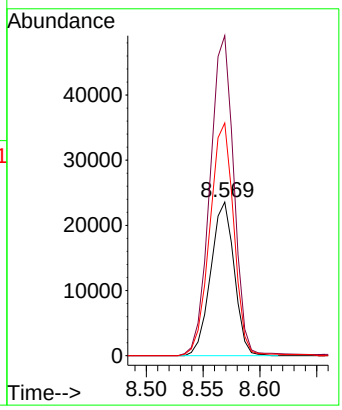


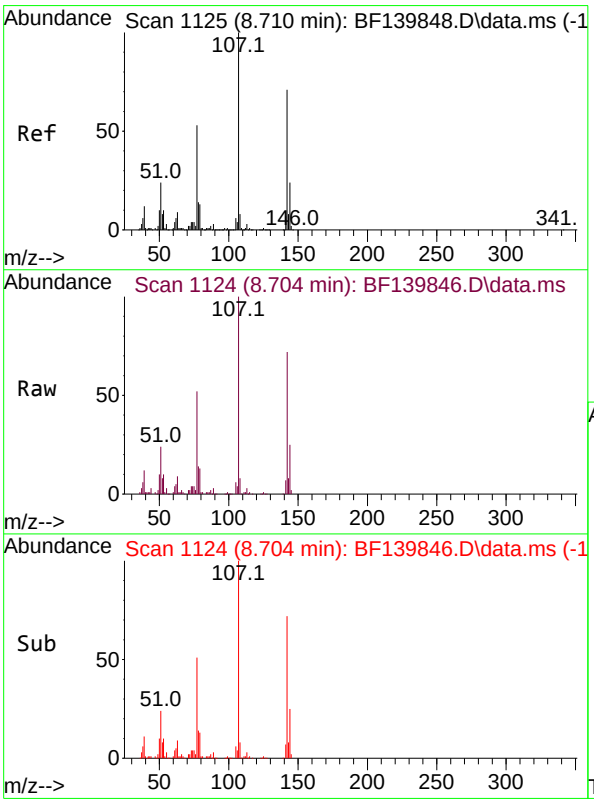
#35
Caprolactam
Concen: 10.256 ng
RT: 8.569 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 33908

Ion	Ratio	Lower	Upper
113	100		
55	208.3	189.2	229.2
56	151.4	132.5	172.5

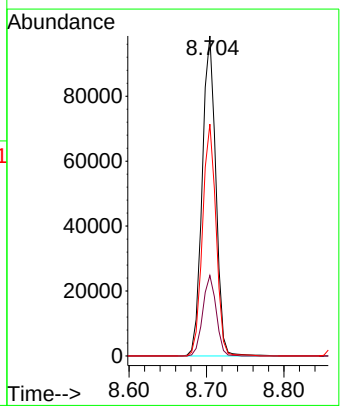


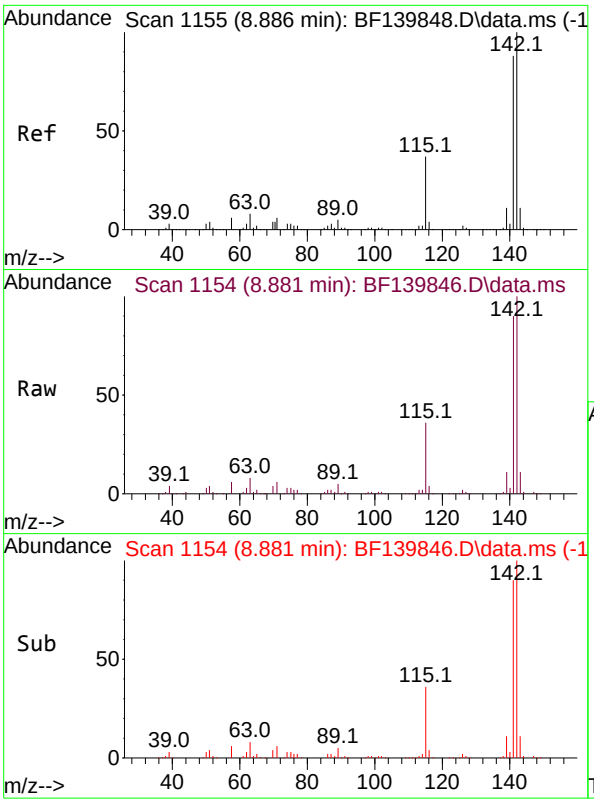


#36
4-Chloro-3-methylphenol
Concen: 10.452 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:107 Resp: 120339

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.1	28.7
142	72.5	57.2	85.8



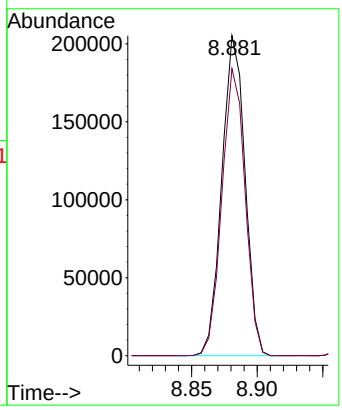


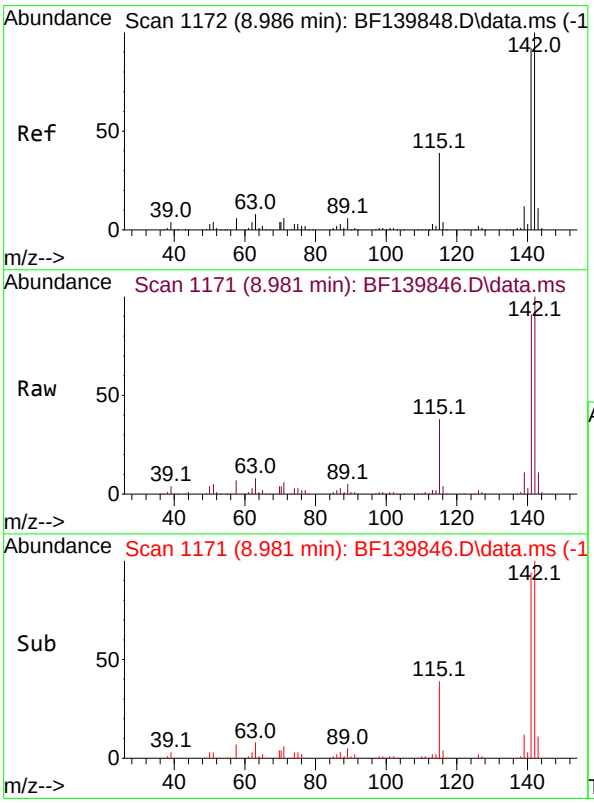
#37
2-Methylnaphthalene
Concen: 10.899 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 252554

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2

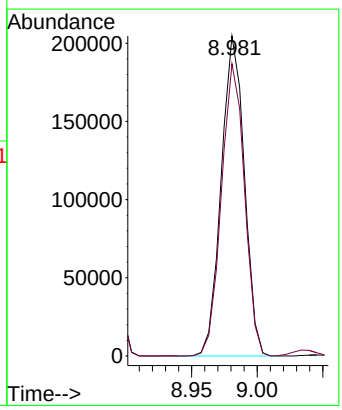


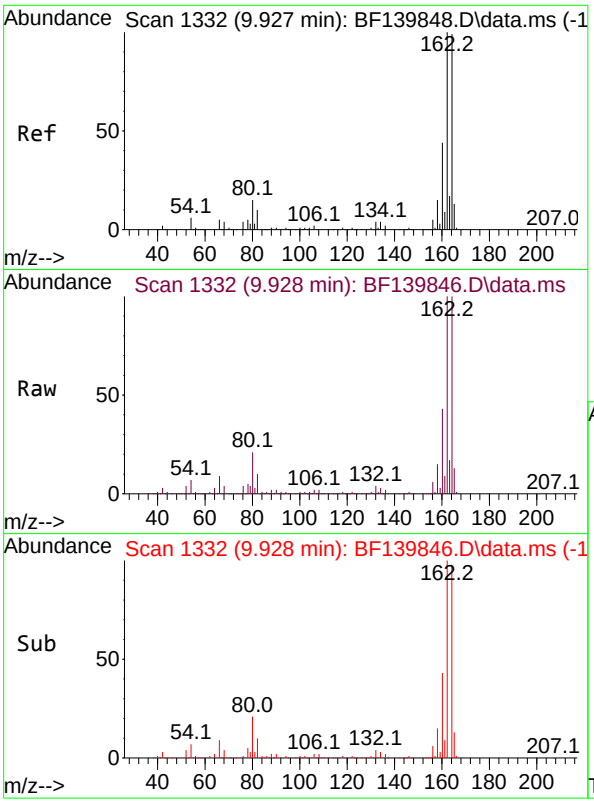


#38
1-Methylnaphthalene
Concen: 11.023 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:142 Resp: 250609

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.5	110.3



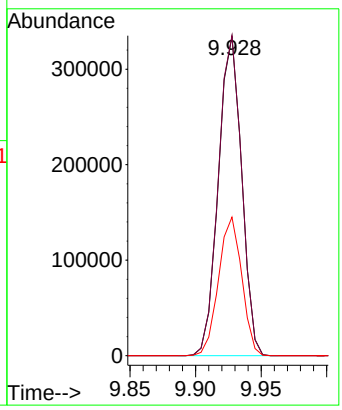


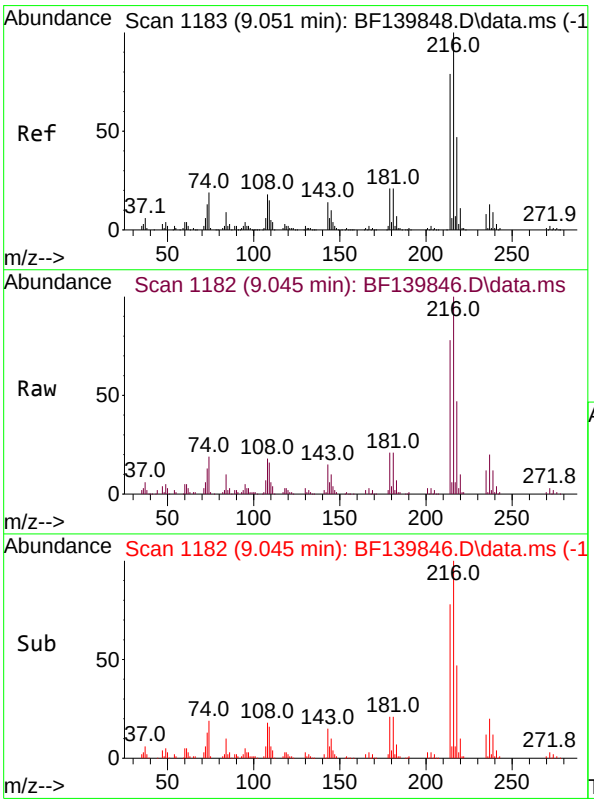
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 411556

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.4
160	43.4	35.4	53.0

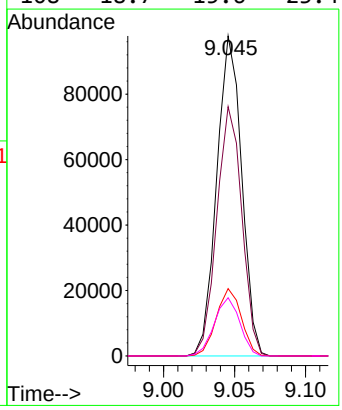


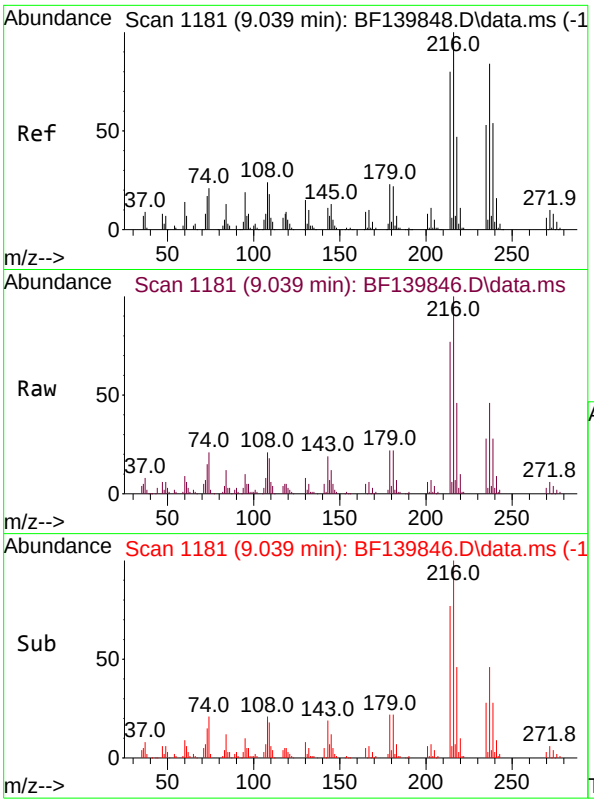


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.738 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:216 Resp: 119227

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.4	95.0
179	21.2	17.2	25.8
108	18.7	15.6	23.4



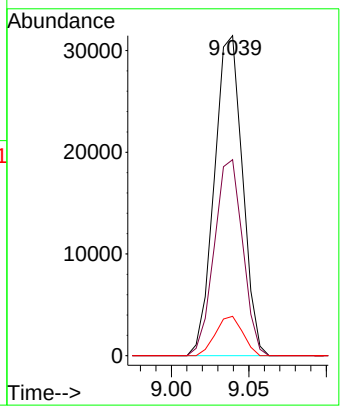


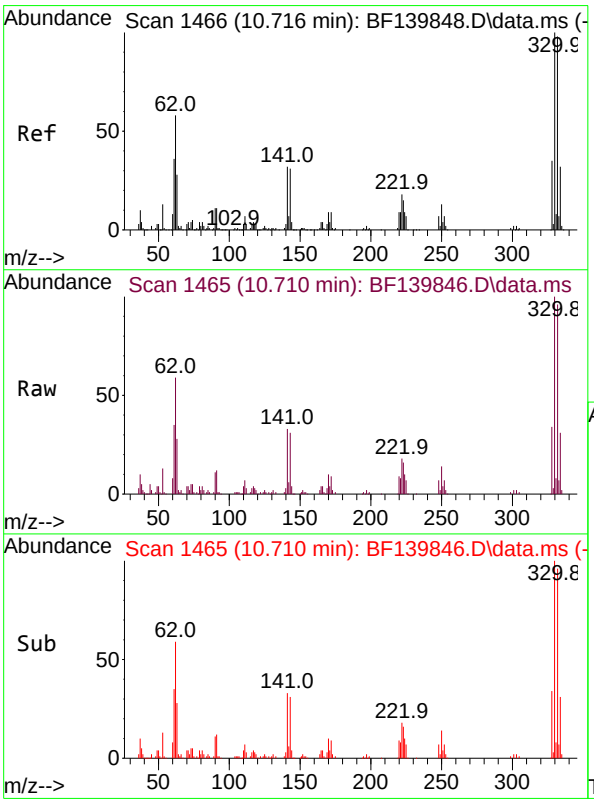
#41
Hexachlorocyclopentadiene
Concen: 10.290 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 39754

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.9	82.9
272	12.3	0.0	32.3

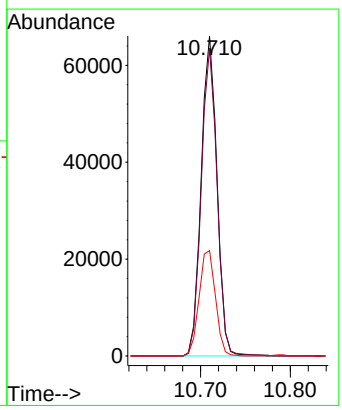


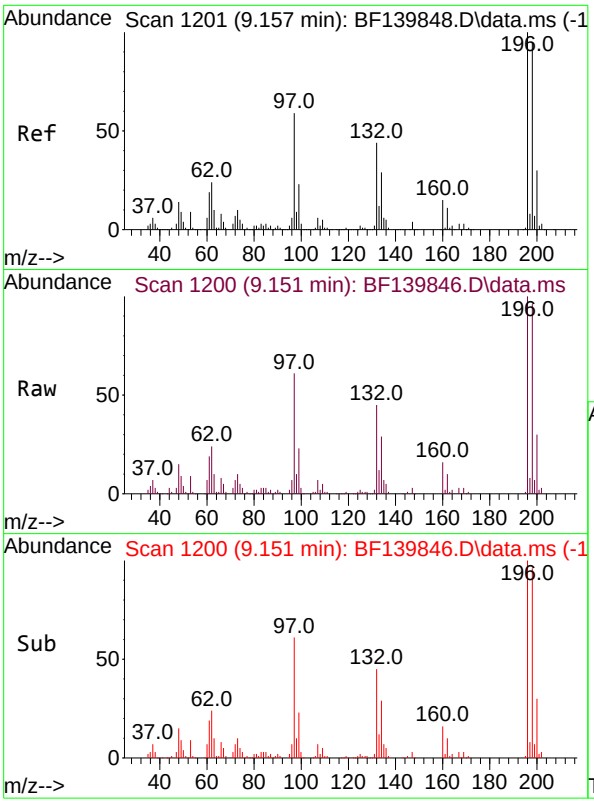


#42
2,4,6-Tribromophenol
Concen: 20.952 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:330 Resp: 80655

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.1	117.1
141	34.2	26.6	39.8



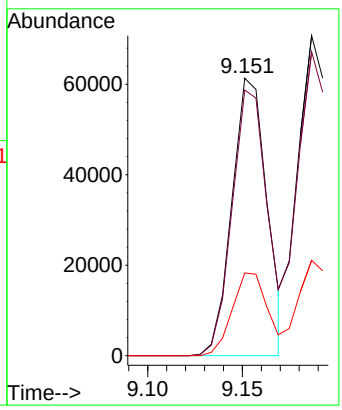


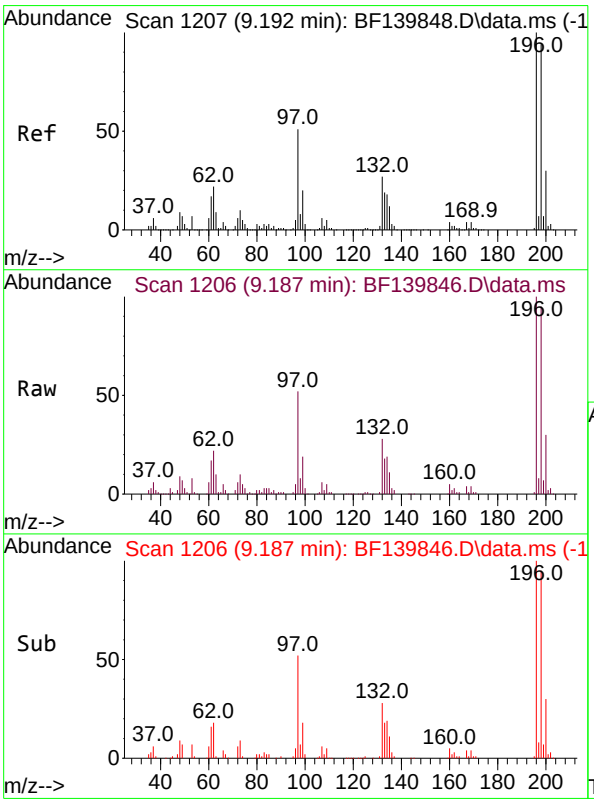
#43
2,4,6-Trichlorophenol
Concen: 9.996 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 78578

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
200	29.8	24.0	36.0

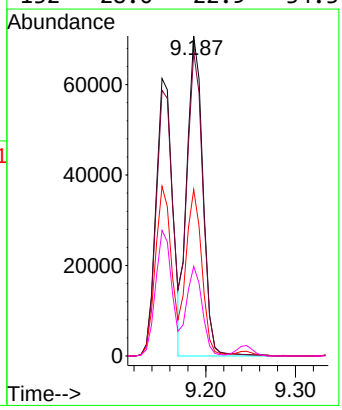


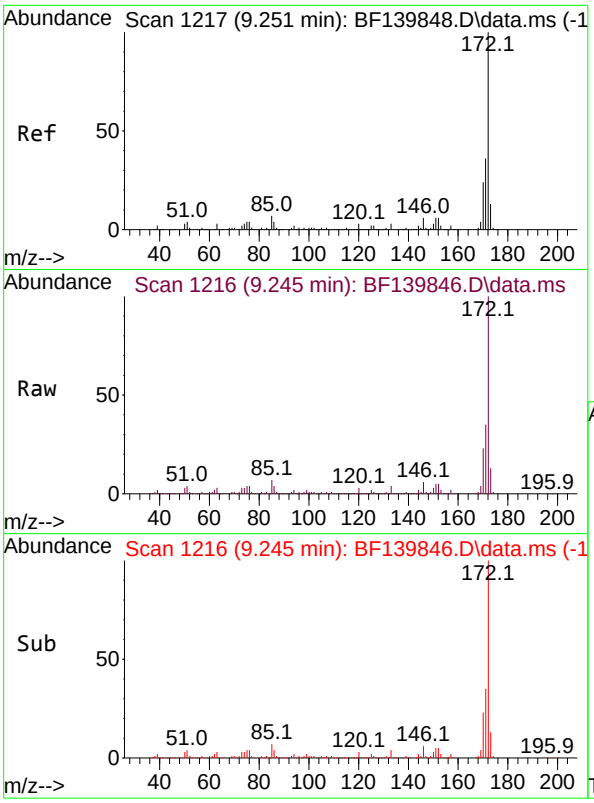


#44
2,4,5-Trichlorophenol
Concen: 10.787 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:196 Resp: 87482

Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.8	113.6
97	52.0	41.8	62.6
132	28.0	22.9	34.3



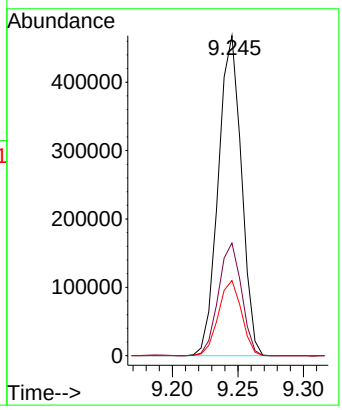


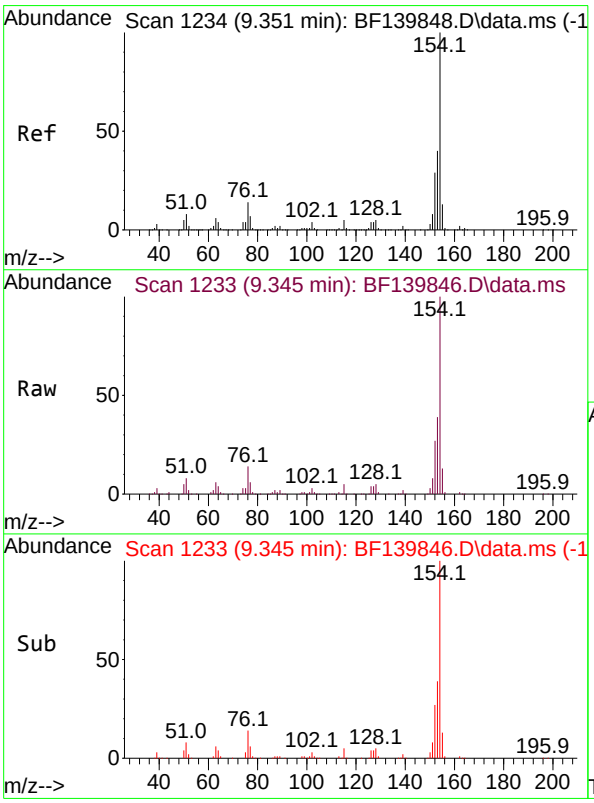
#45
2-Fluorobiphenyl
Concen: 23.073 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 574563

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.5	19.1	28.7

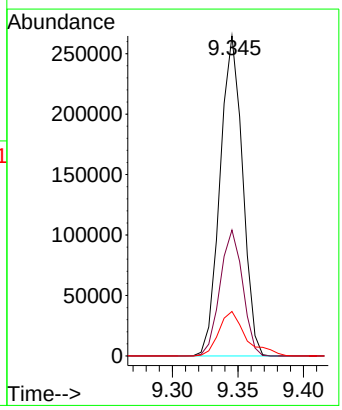


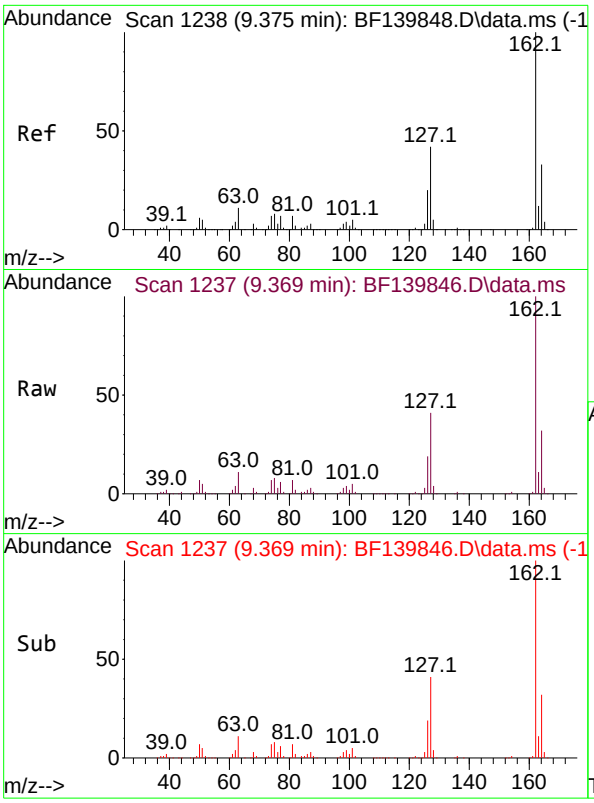


#46
1,1'-Biphenyl
Concen: 11.035 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:154 Resp: 316146

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.3	60.3
76	13.9	0.0	33.9



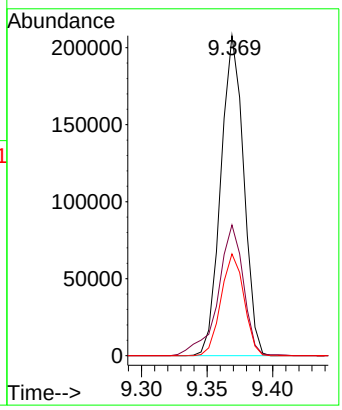


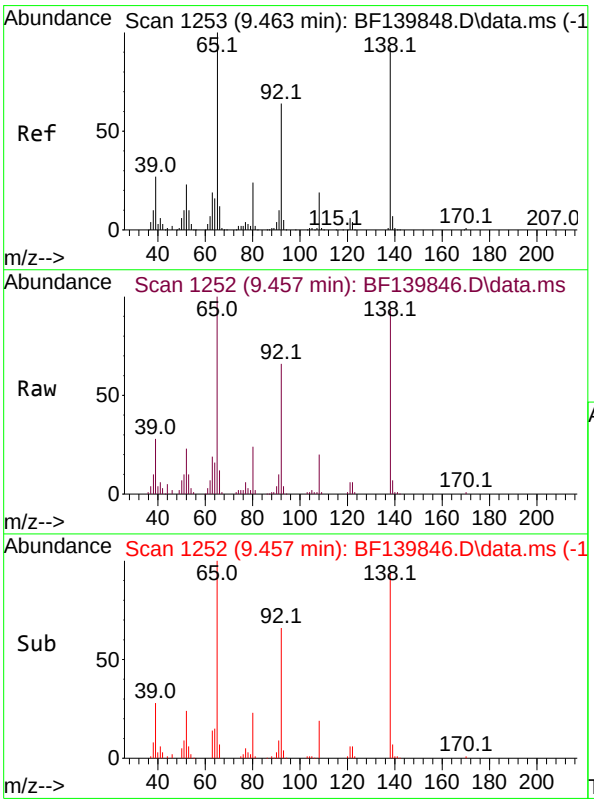
#47
2-Chloronaphthalene
Concen: 10.927 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 252140

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.8	50.6
164	31.8	26.6	39.8

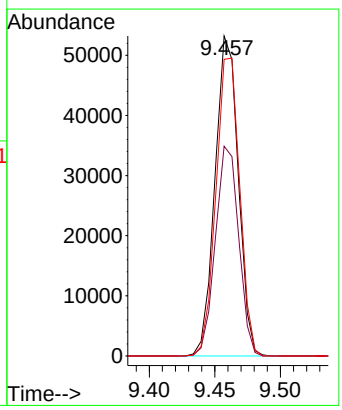


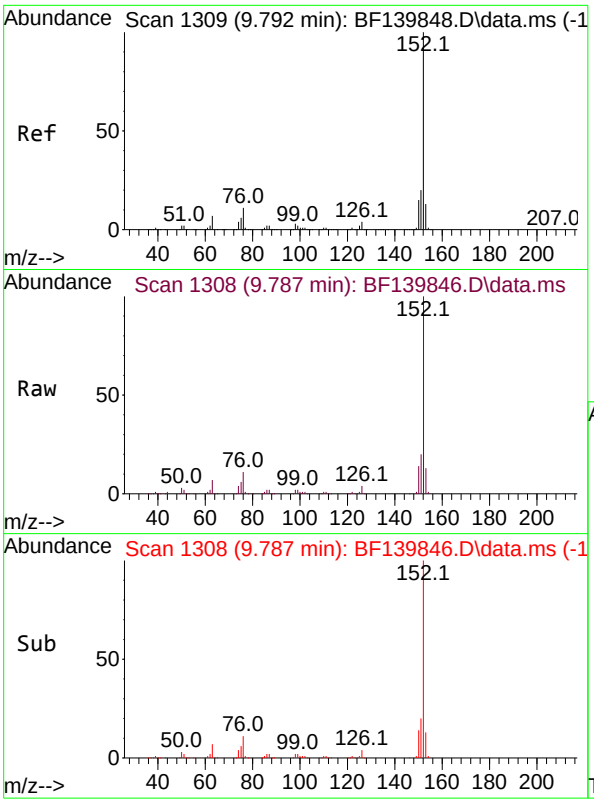


#48
2-Nitroaniline
Concen: 9.270 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion: 65 Resp: 65425

Ion	Ratio	Lower	Upper
65	100		
92	65.5	50.9	76.3
138	92.7	73.4	110.0



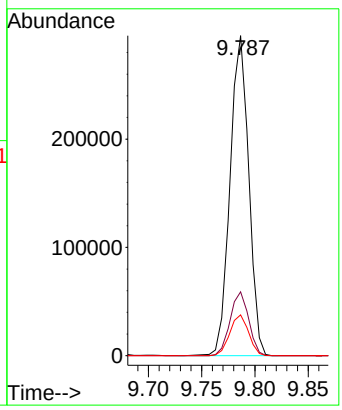


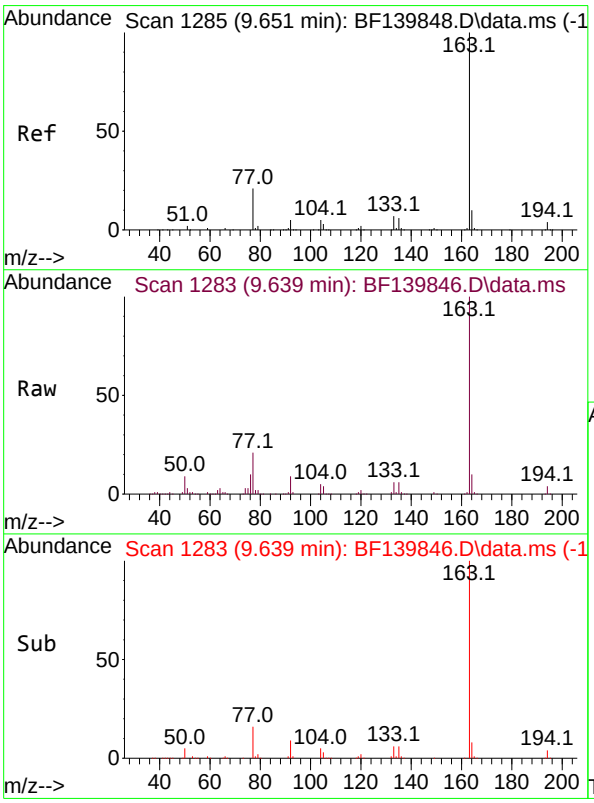
#49
Acenaphthylene
Concen: 10.833 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 361398

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.7	16.1

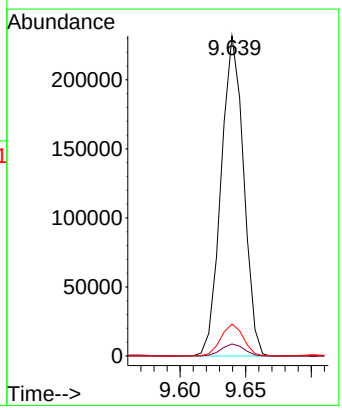


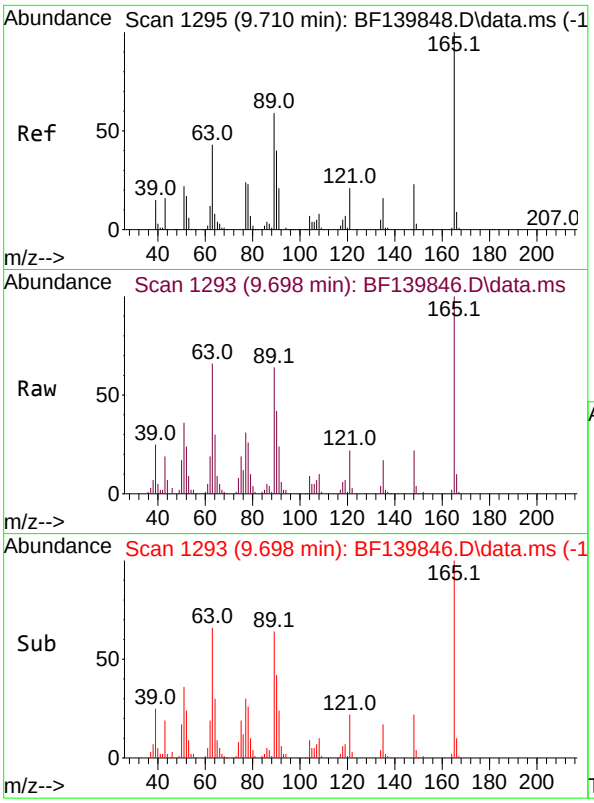


#50
Dimethylphthalate
Concen: 10.792 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:163 Resp: 276645

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.0	8.2	12.2



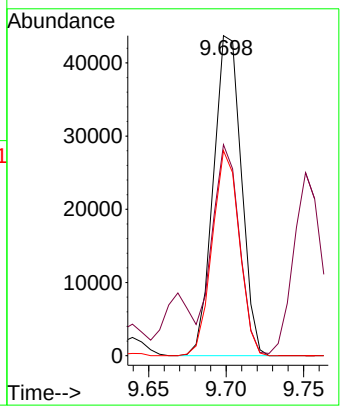


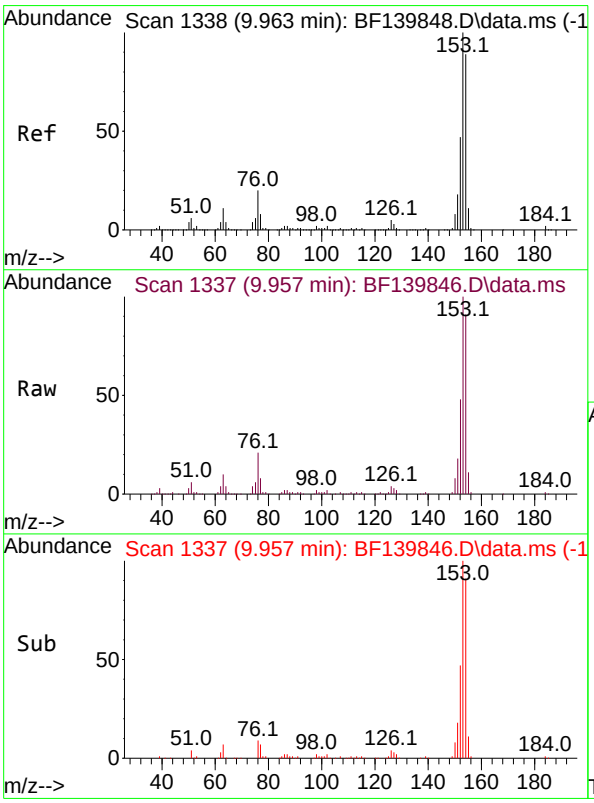
#51
2,6-Dinitrotoluene
Concen: 9.877 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 54824

Ion	Ratio	Lower	Upper
165	100		
63	66.0	50.6	75.8
89	64.1	47.5	71.3

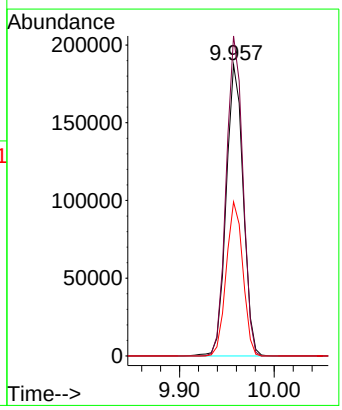


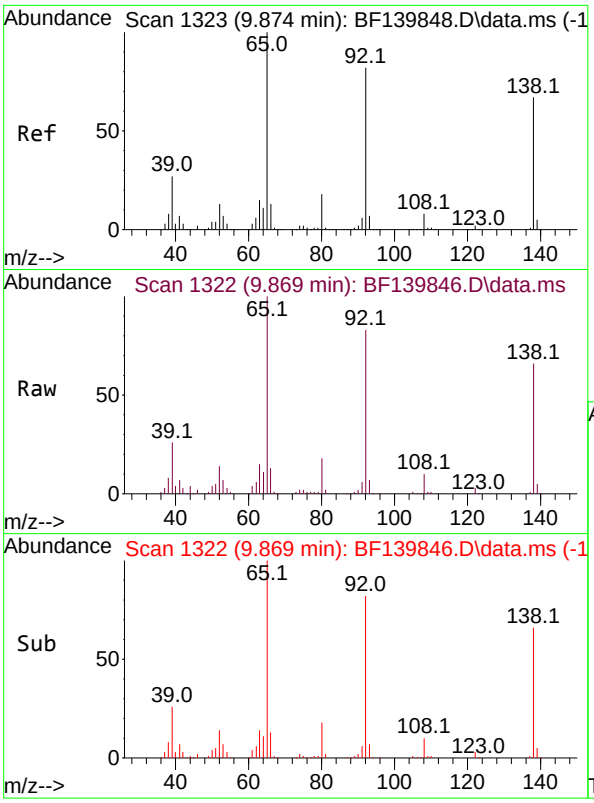


#52
Acenaphthene
Concen: 10.832 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:154 Resp: 233749

Ion	Ratio	Lower	Upper
154	100		
153	109.8	89.8	134.6
152	52.9	42.4	63.6



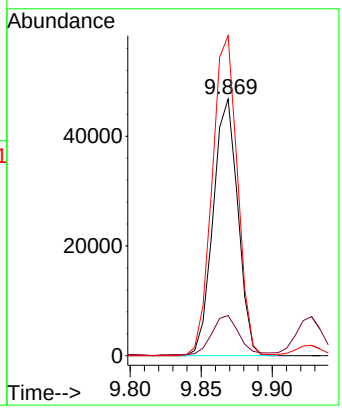


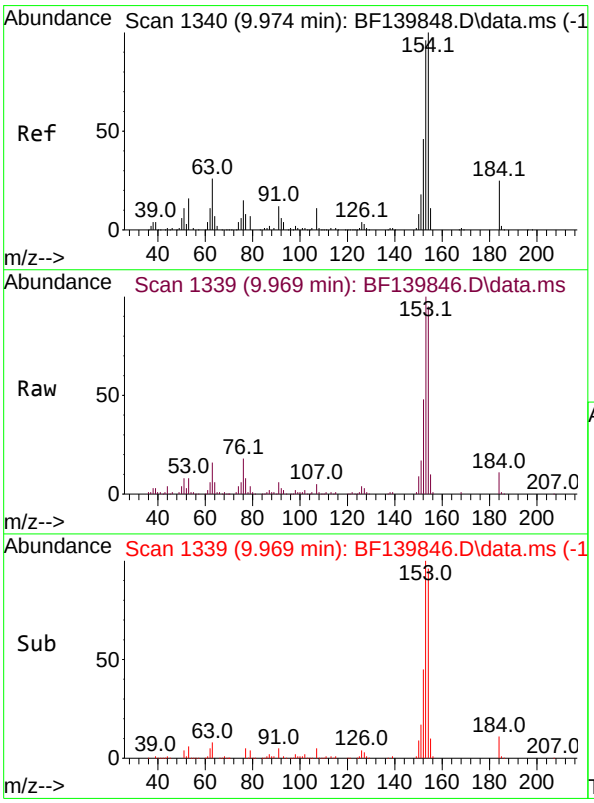
#53
3-Nitroaniline
Concen: 9.884 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 56574

Ion	Ratio	Lower	Upper
138	100		
108	15.7	10.2	15.2#
92	124.7	98.3	147.5

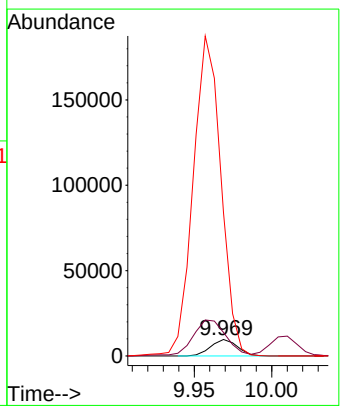


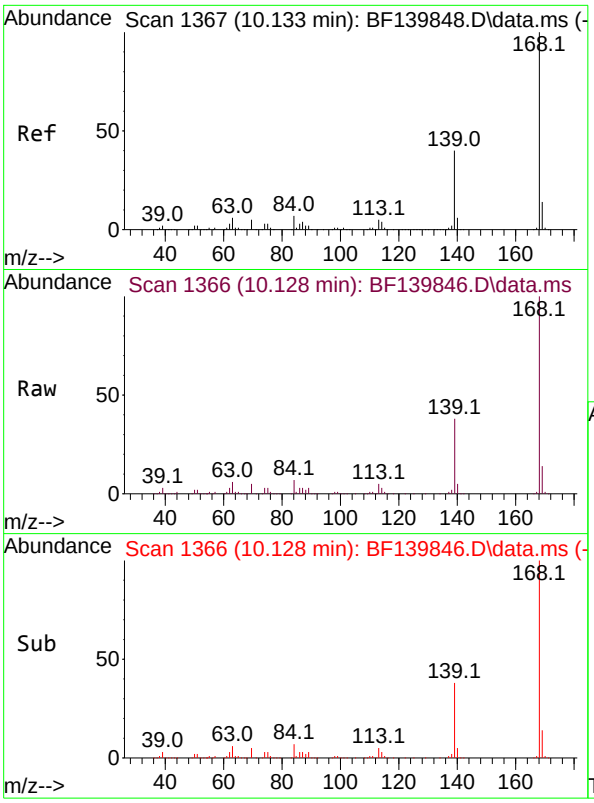


#54
2,4-Dinitrophenol
Concen: 11.138 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.005 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:184 Resp: 11577

Ion	Ratio	Lower	Upper
184	100		
63	142.4	84.7	127.1#
154	870.2	338.2	507.2#



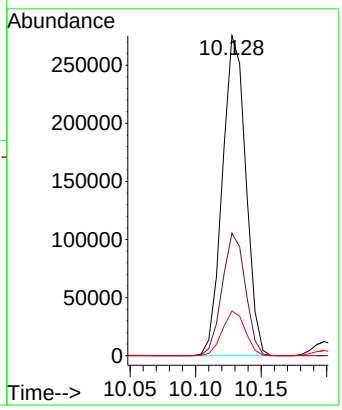


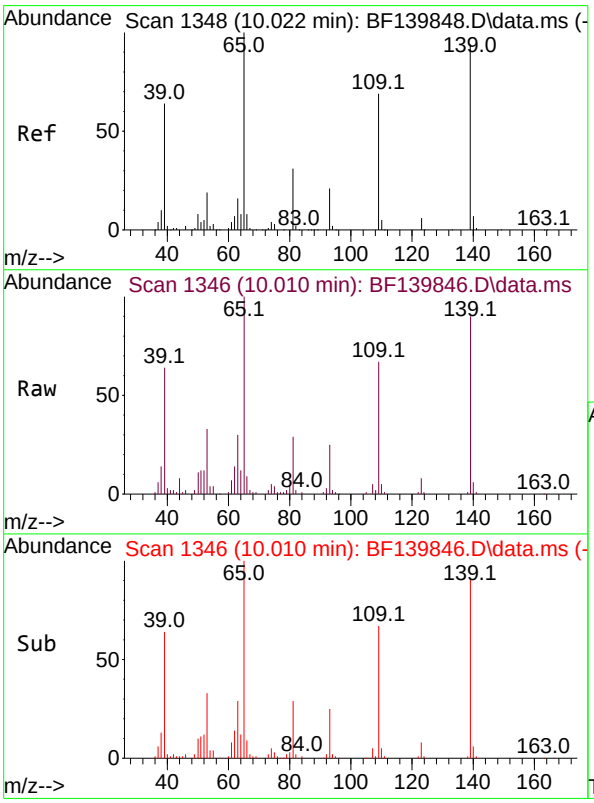
#55
Dibenzofuran
Concen: 11.028 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 341446

Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.8	47.6
169	13.9	11.6	17.4

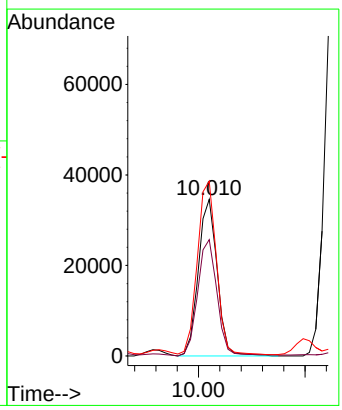


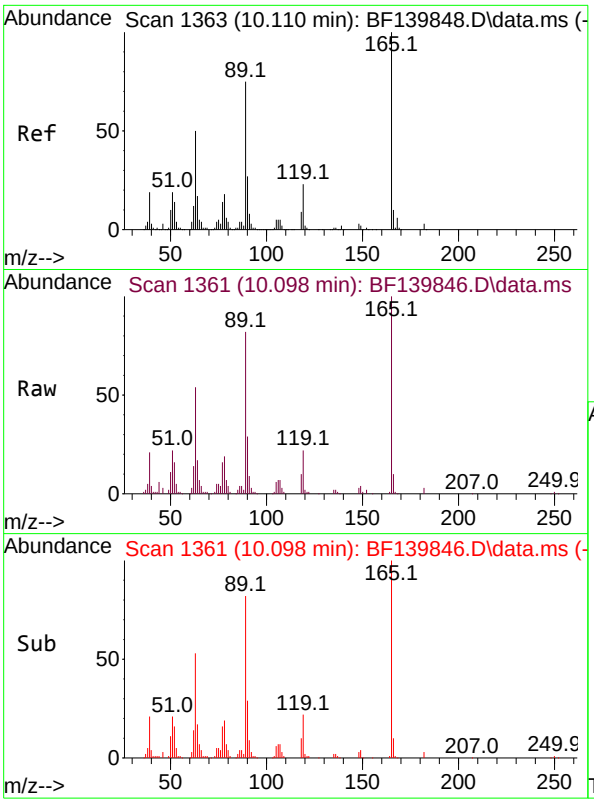


#56
4-Nitrophenol
Concen: 9.694 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:139 Resp: 42688

Ion	Ratio	Lower	Upper
139	100		
109	74.3	53.6	93.6
65	111.6	87.8	127.8



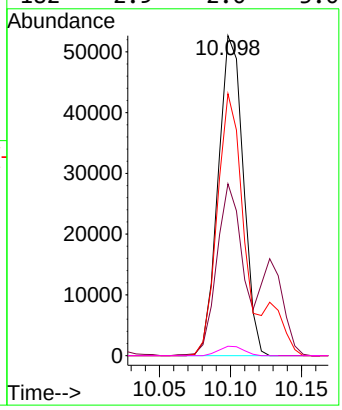


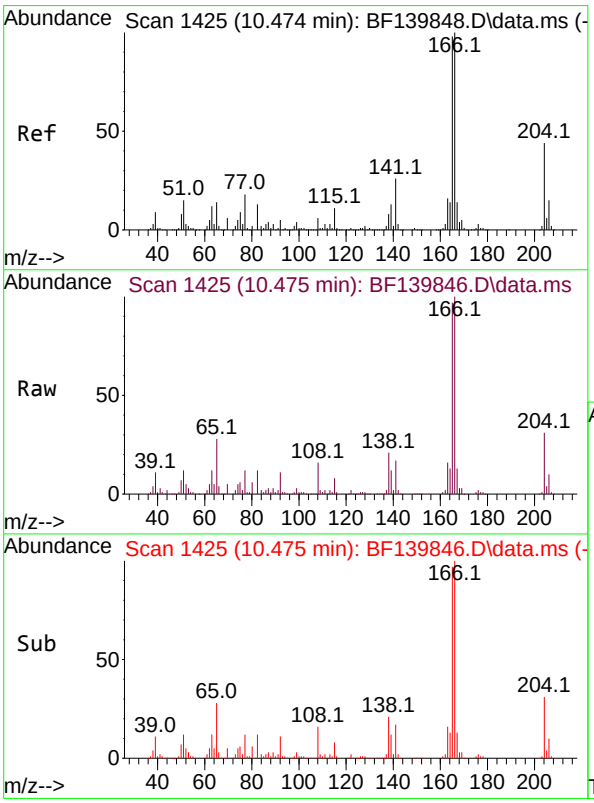
#57
2,4-Dinitrotoluene
Concen: 9.474 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 64666

Ion	Ratio	Lower	Upper
165	100		
63	53.7	40.1	60.1
89	81.9	60.4	90.6
182	2.9	2.0	3.0

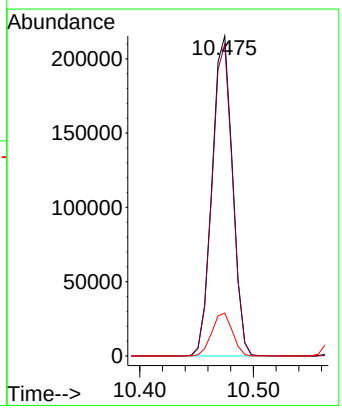


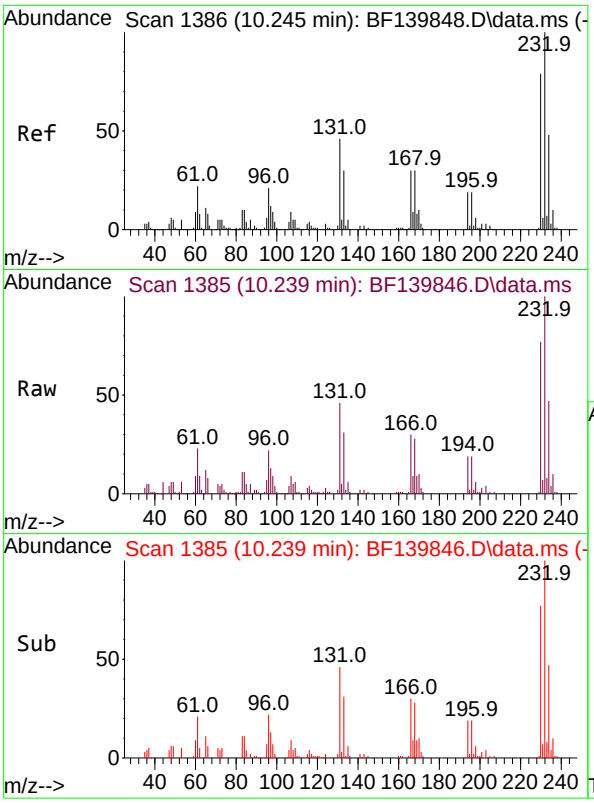


#58
Fluorene
Concen: 11.420 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:166 Resp: 269323

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.5	117.7
167	13.4	10.9	16.3



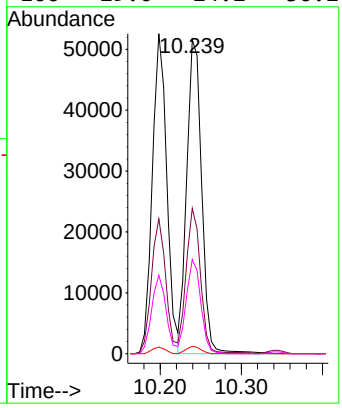


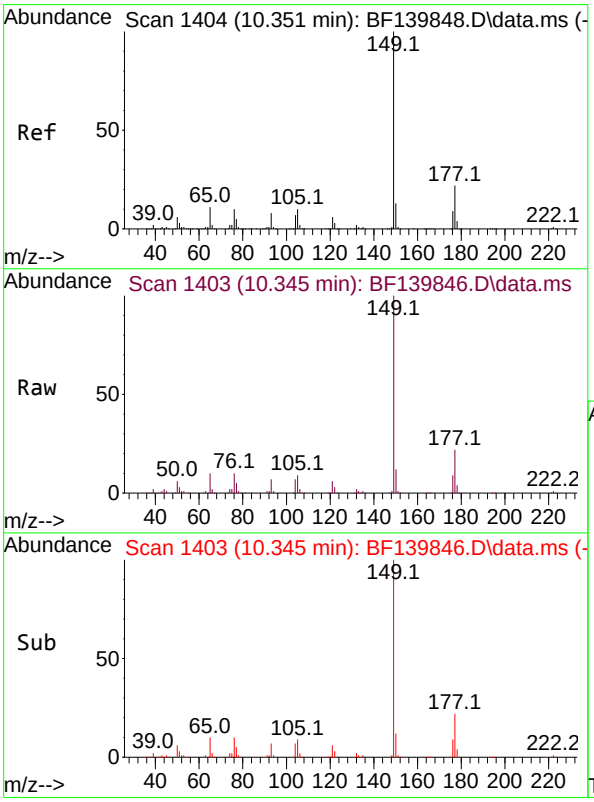
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.408 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 66170

Ion	Ratio	Lower	Upper
232	100		
131	44.4	37.0	55.6
130	2.3	1.9	2.9
166	29.0	24.2	36.2

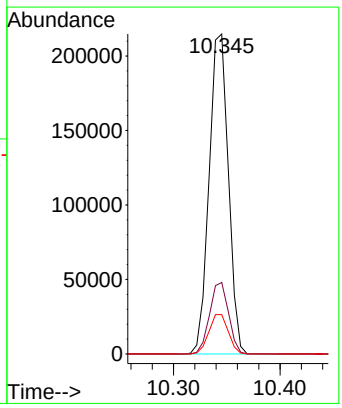


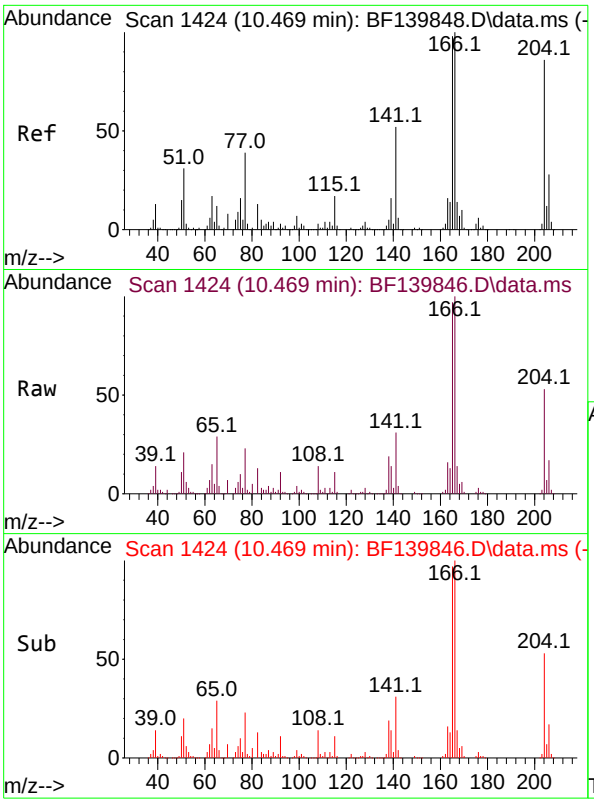


#60
Diethylphthalate
Concen: 10.694 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 269178

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.3	10.1	15.1



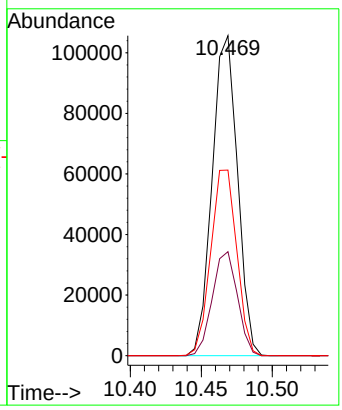


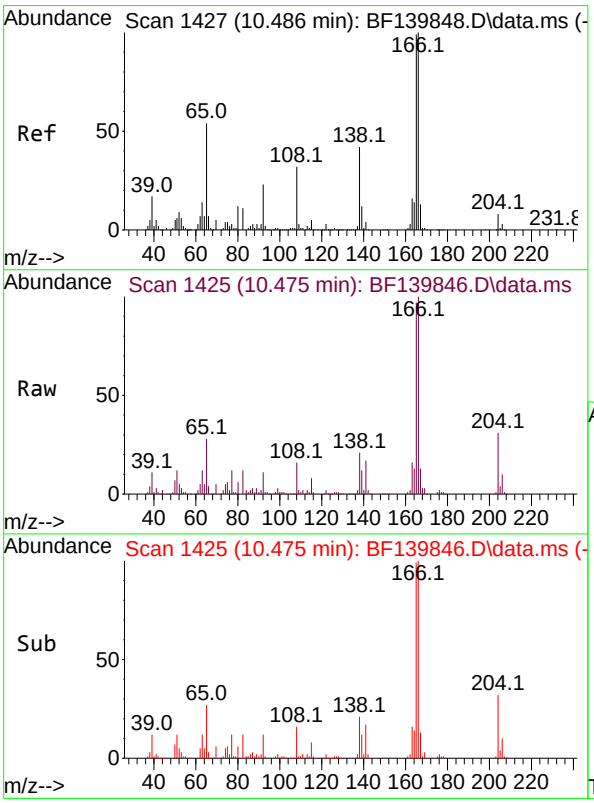
#61
4-Chlorophenyl-phenylether
Concen: 11.016 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 131191

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.3	39.5
141	58.0	48.6	73.0

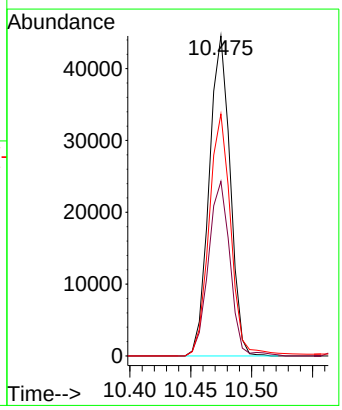


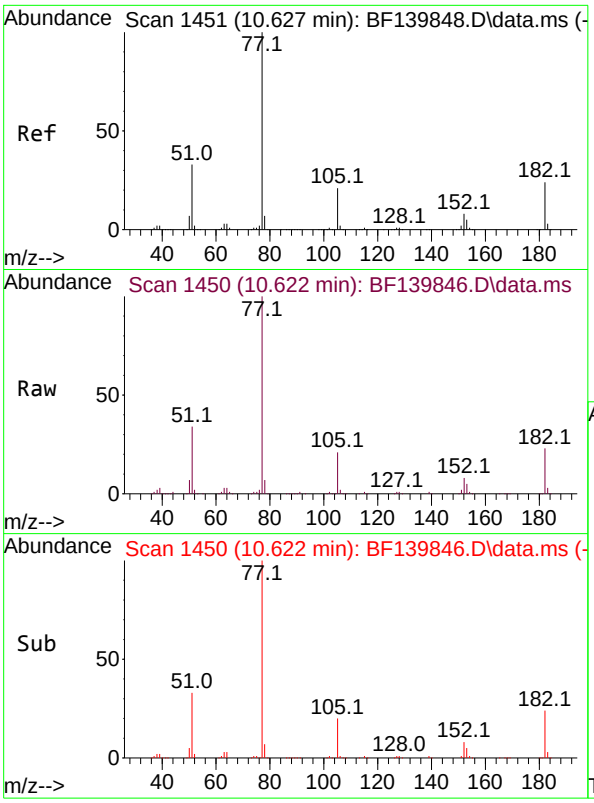


#62
4-Nitroaniline
Concen: 9.857 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:138 Resp: 53288

Ion	Ratio	Lower	Upper
138	100		
92	54.6	35.7	75.7
108	75.6	57.5	97.5



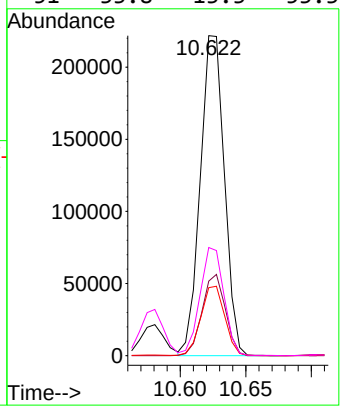


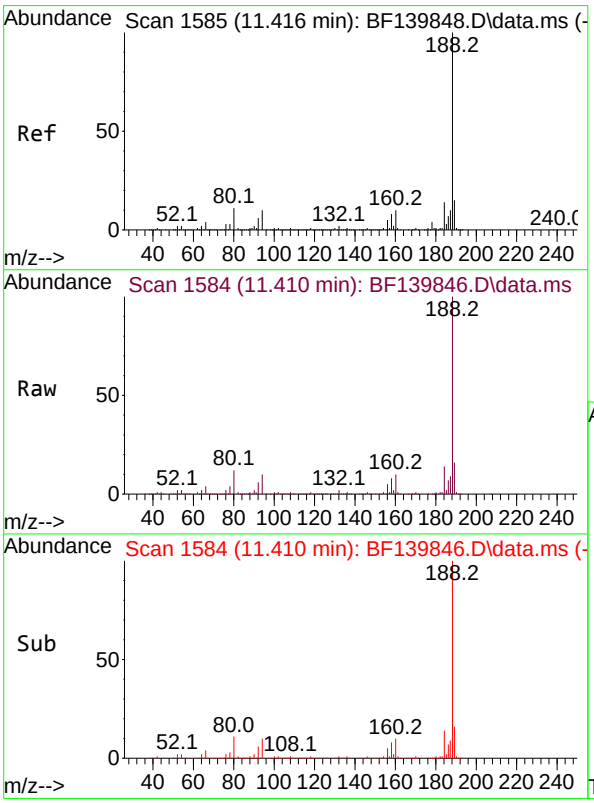
#63
Azobenzene
Concen: 10.679 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 284960

Ion	Ratio	Lower	Upper
77	100		
182	23.3	3.3	43.3
105	21.3	1.2	41.2
51	33.8	13.3	53.3

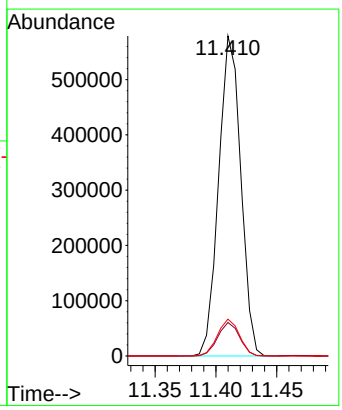


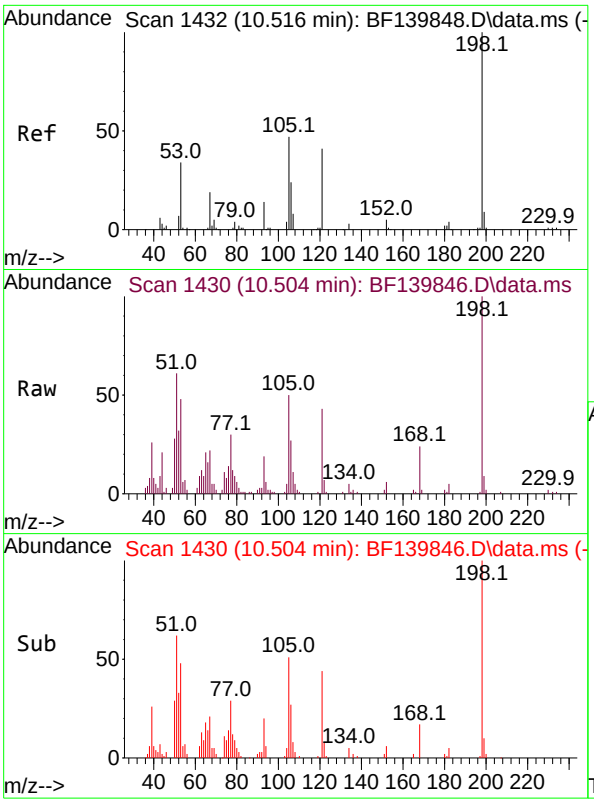


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:188 Resp: 732661

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.9	11.9
80	11.5	9.0	13.4



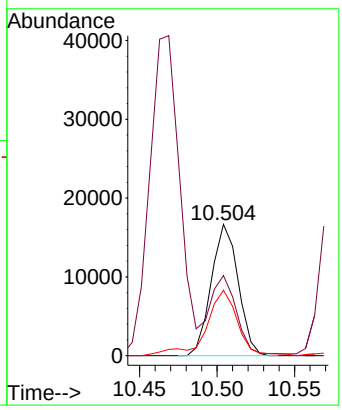


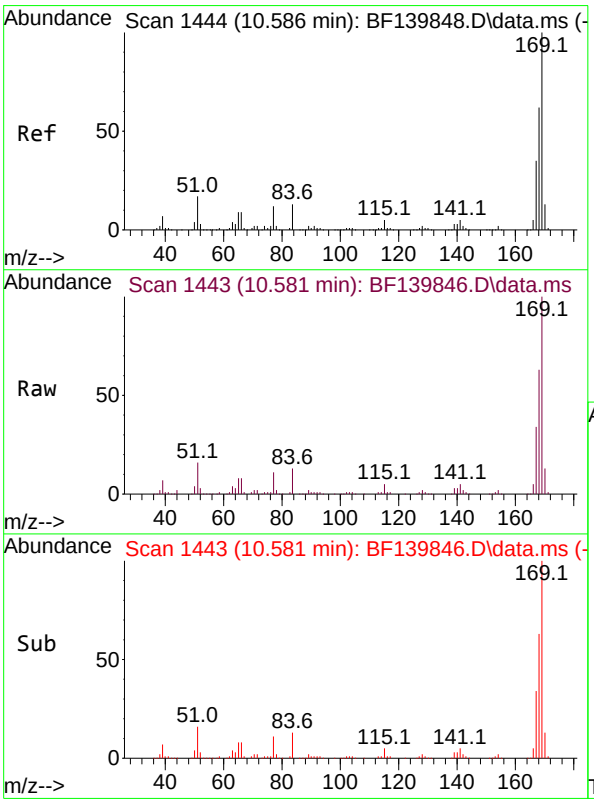
#65
4,6-Dinitro-2-methylphenol
Concen: 6.732 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 20120

Ion	Ratio	Lower	Upper
198	100		
51	61.0	38.2	78.2
105	49.9	27.9	67.9

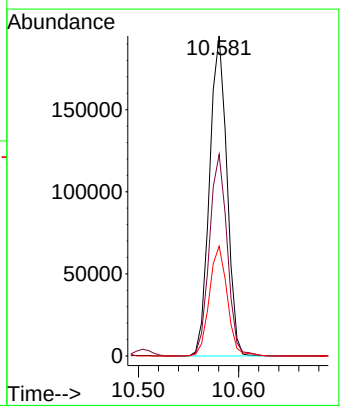


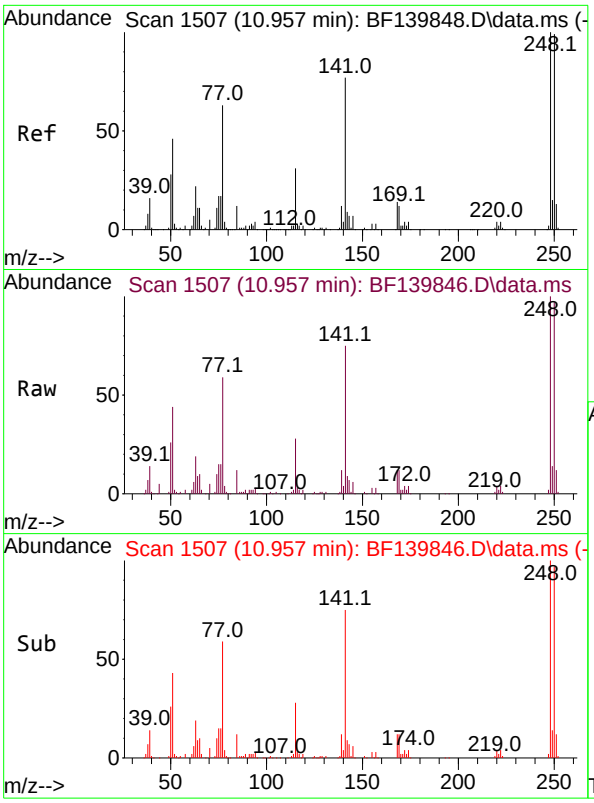


#66
n-Nitrosodiphenylamine
Concen: 10.705 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:169 Resp: 234741

Ion	Ratio	Lower	Upper
169	100		
168	63.0	49.8	74.6
167	34.3	28.0	42.0



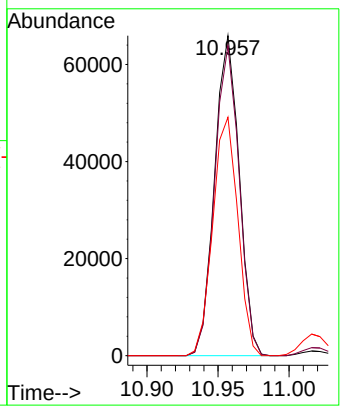


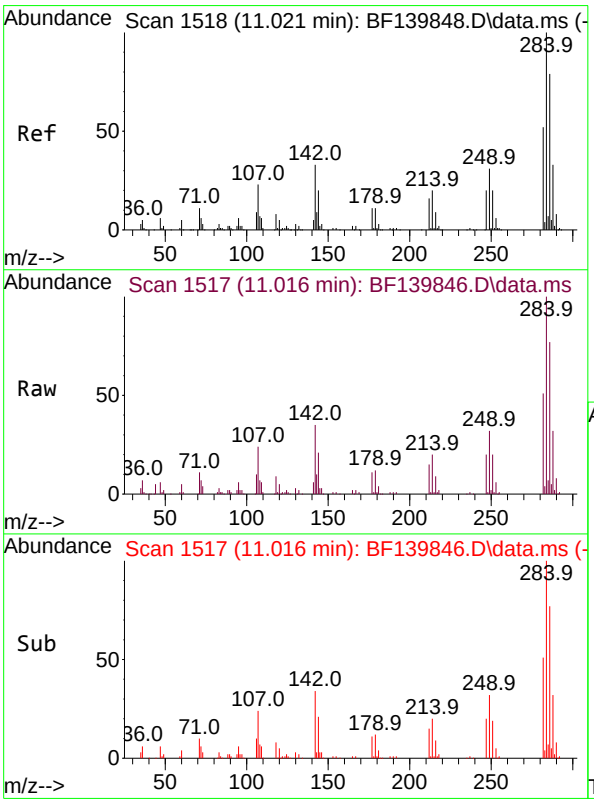
#67
4-Bromophenyl-phenylether
Concen: 10.522 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 79420

Ion	Ratio	Lower	Upper
248	100		
250	96.8	79.0	118.6
141	74.5	61.7	92.5

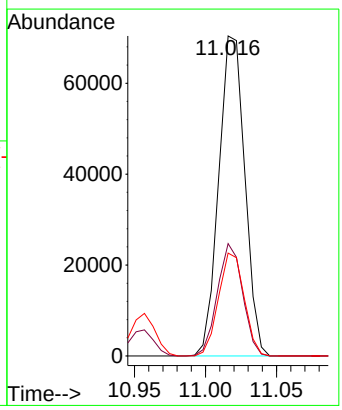


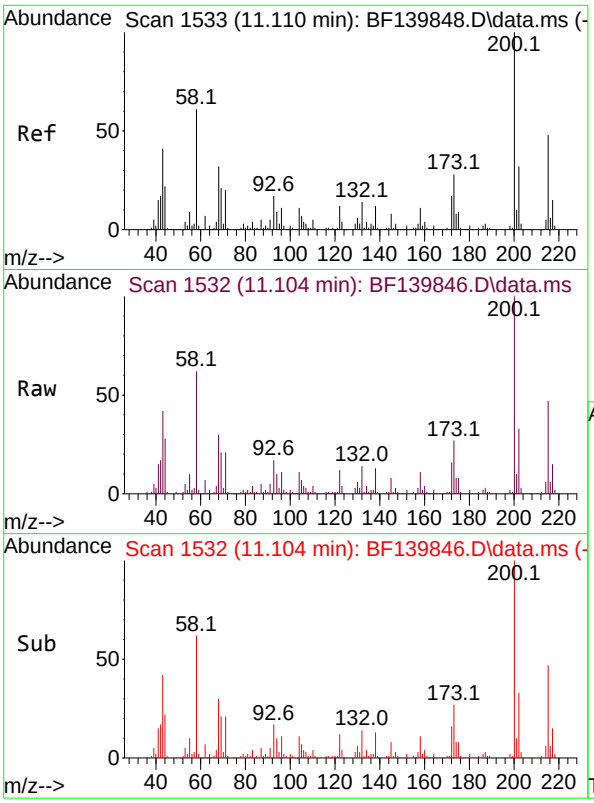


#68
Hexachlorobenzene
Concen: 10.594 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:284 Resp: 89927

Ion	Ratio	Lower	Upper
284	100		
142	35.1	26.9	40.3
249	32.2	25.3	37.9



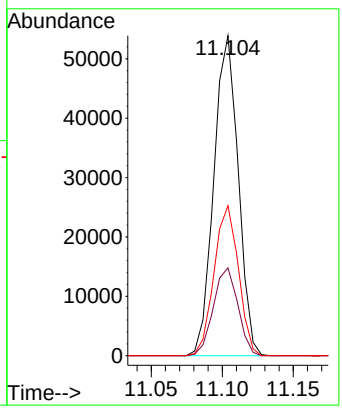


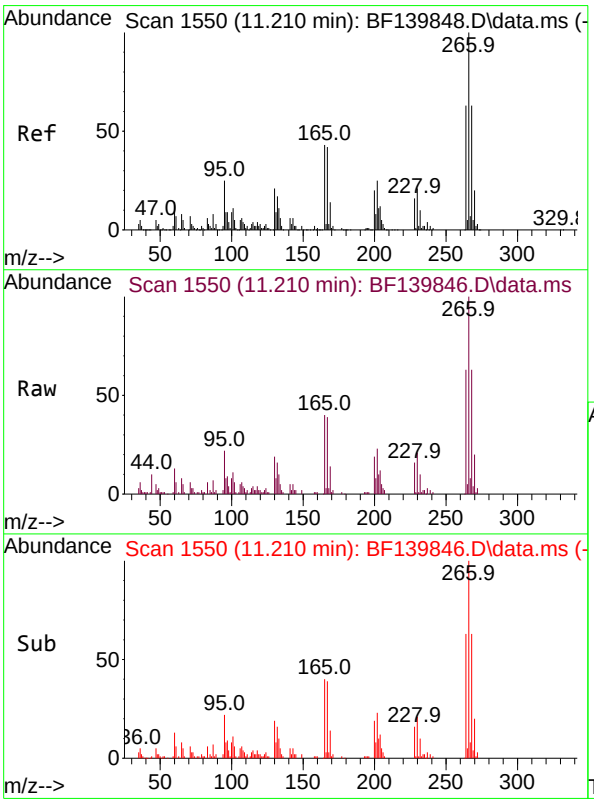
#69
Atrazine
Concen: 10.819 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 64267

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.7	47.7
215	46.8	27.7	67.7

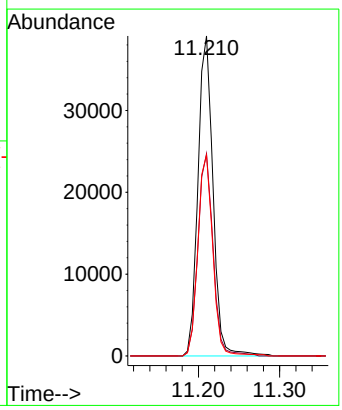


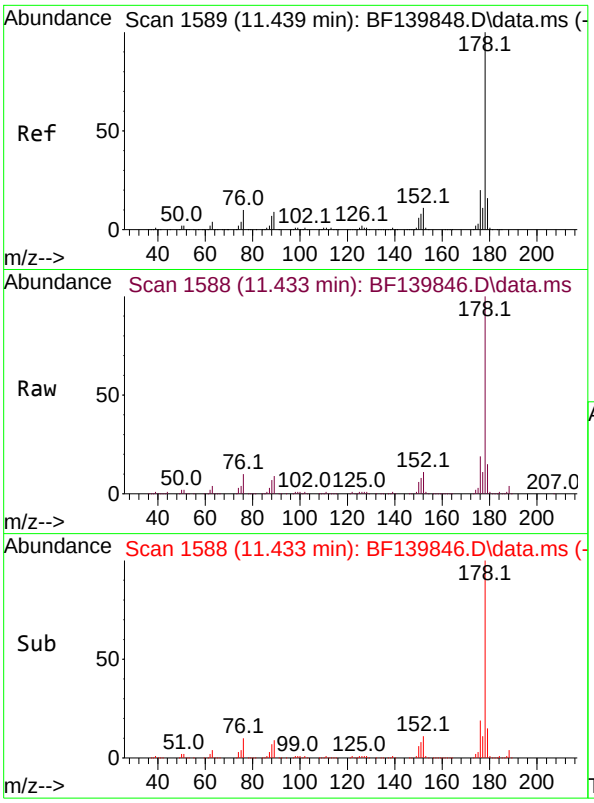


#70
Pentachlorophenol
Concen: 9.775 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:266 Resp: 50361

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.4	75.6
264	62.8	50.6	75.8



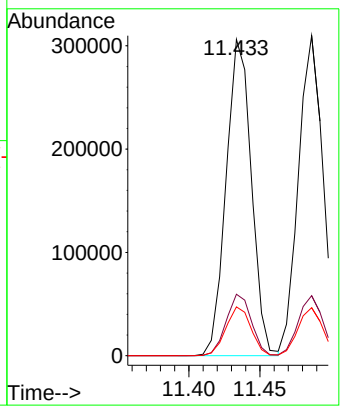


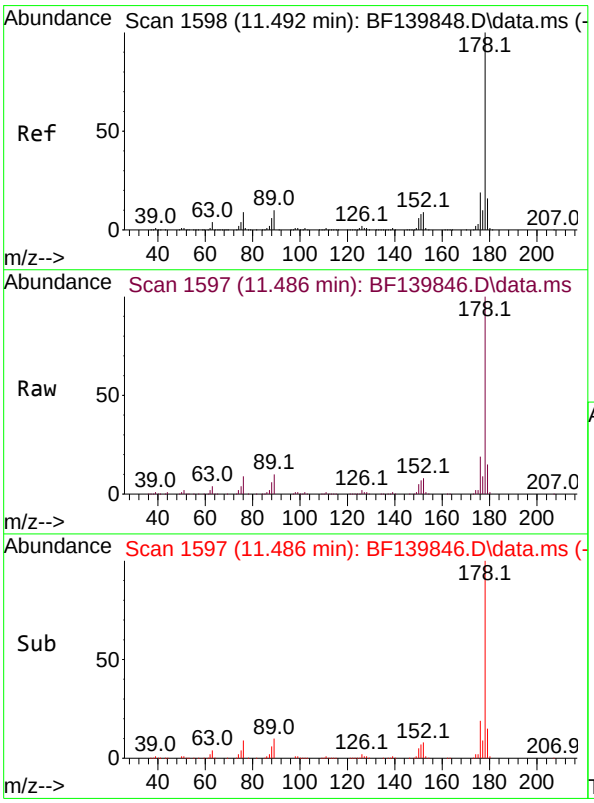
#71
Phenanthrene
Concen: 10.958 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 379233

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.4	12.6	18.8

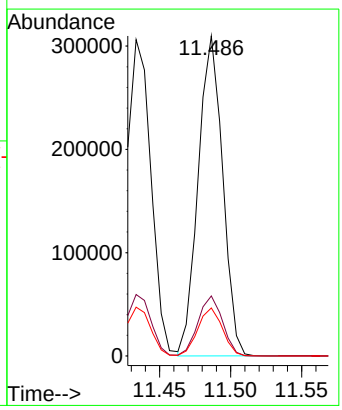


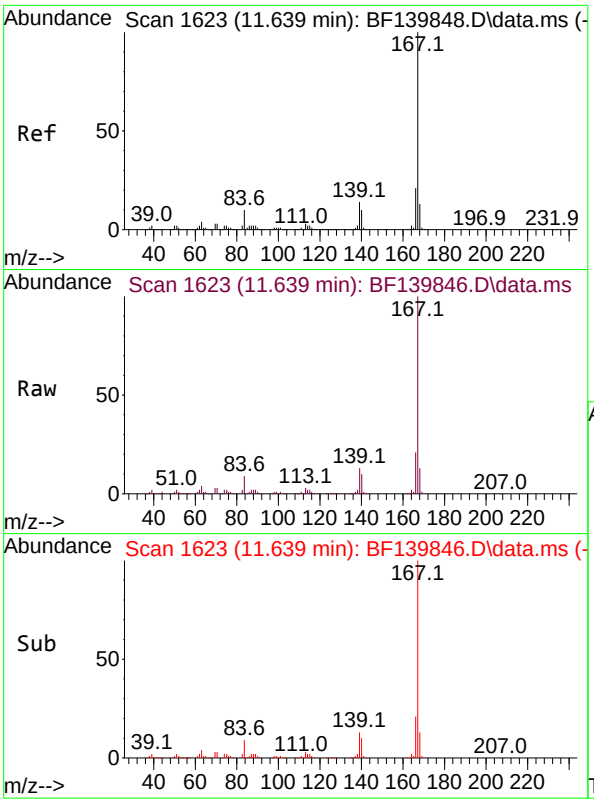


#72
Anthracene
Concen: 10.999 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:178 Resp: 371391

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.0	12.4	18.6



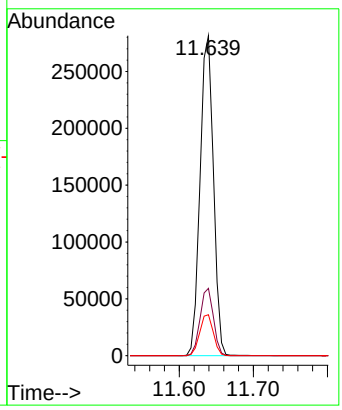


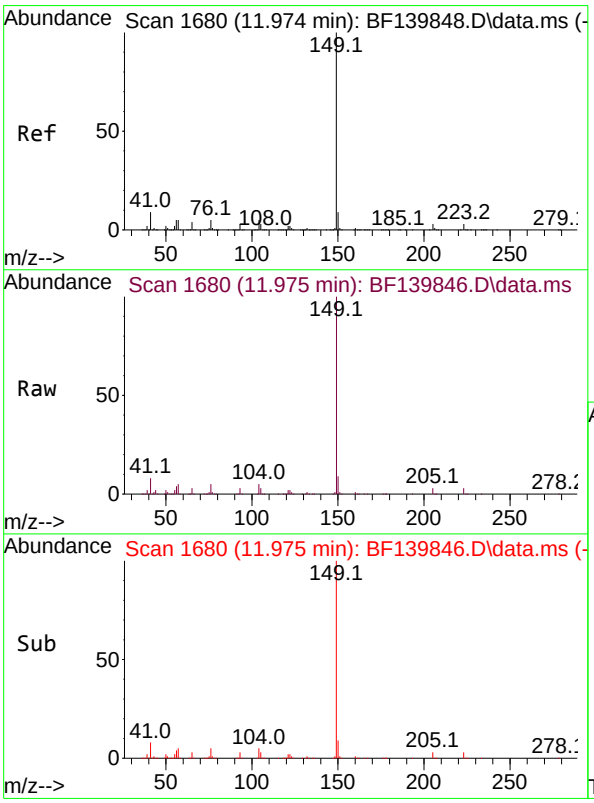
#73
Carbazole
Concen: 11.249 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 353253

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.8	10.8	16.2

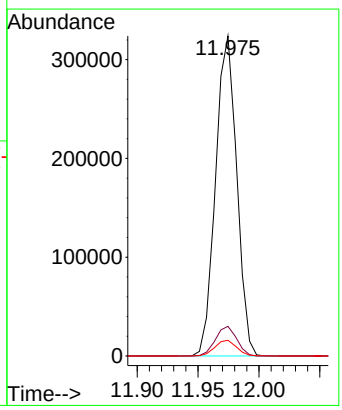


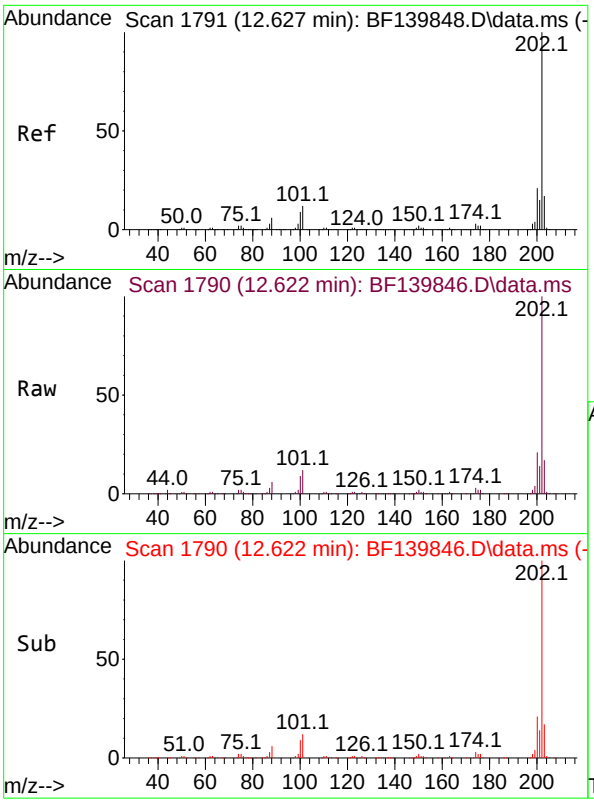


#74
Di-n-butylphthalate
Concen: 10.818 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 392482

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1



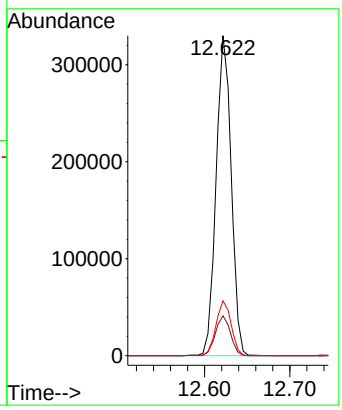


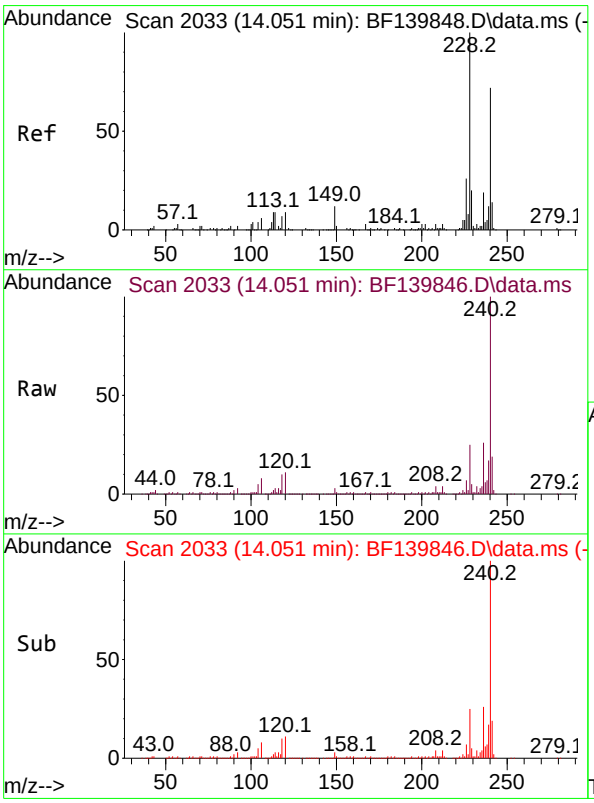
#75
Fluoranthene
Concen: 11.602 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 405919

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.9
203	17.2	0.0	37.5

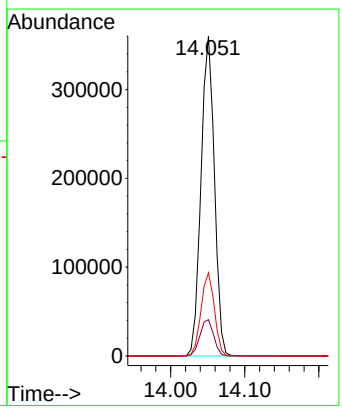


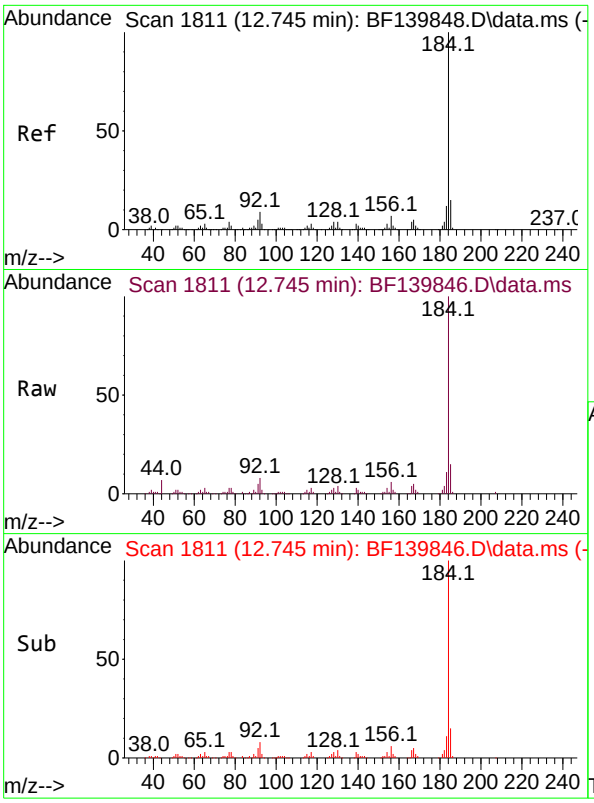


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:240 Resp: 452443

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.4	14.2
236	26.0	20.9	31.3



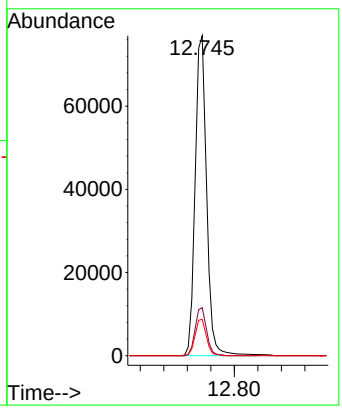


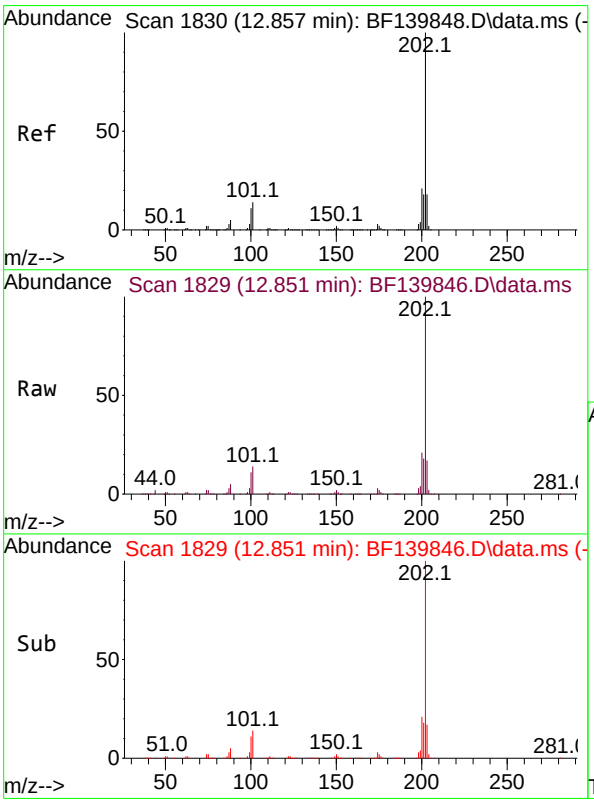
#77
Benzidine
Concen: 14.168 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 104253

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.0	18.0
183	11.4	9.4	14.2

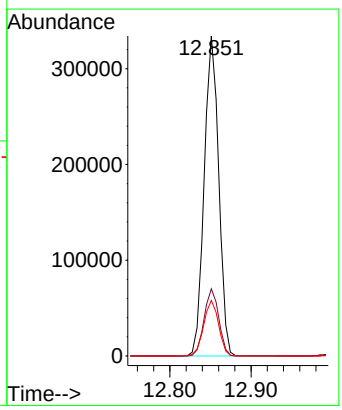


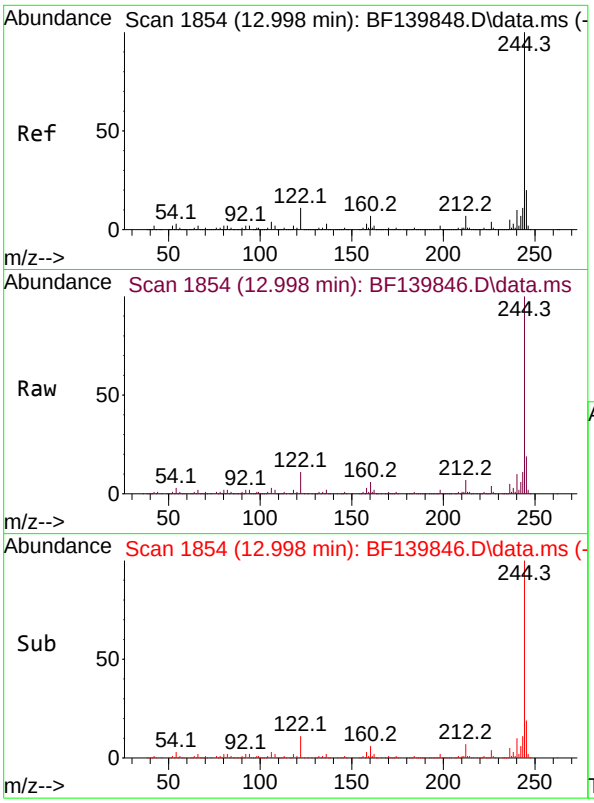


#78
Pyrene
Concen: 10.444 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:202 Resp: 413606

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.4	14.2	21.4



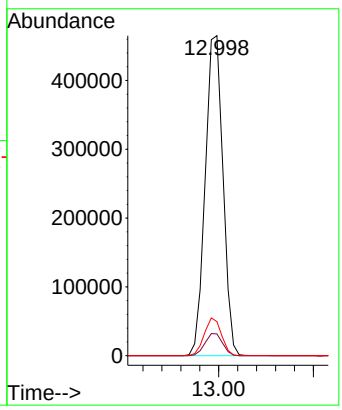


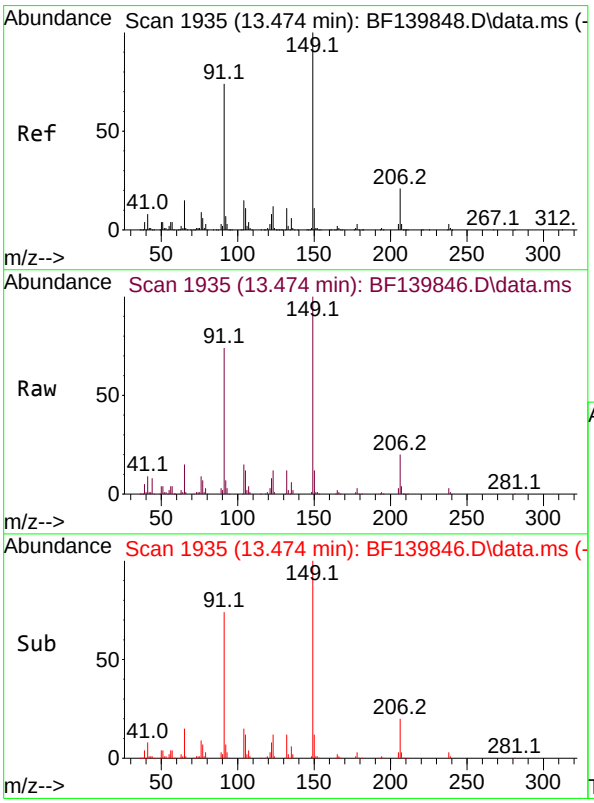
#79
Terphenyl-d14
Concen: 21.745 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 603787

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.6	8.6	13.0

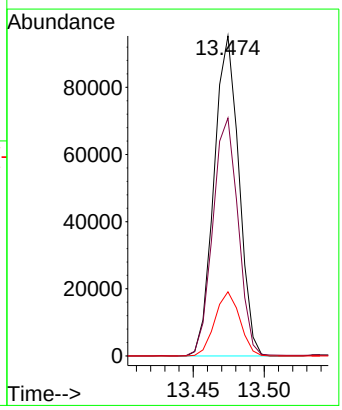


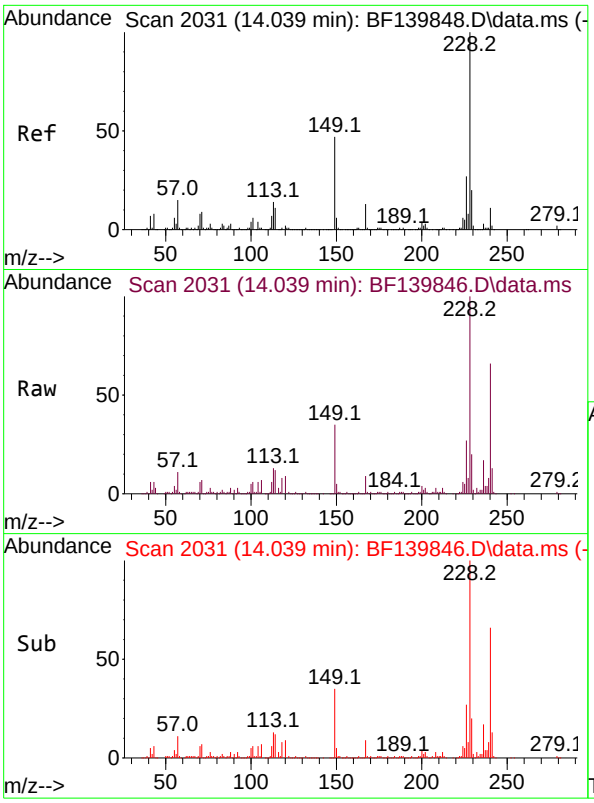


#80
Butylbenzylphthalate
Concen: 9.774 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 116053

Ion	Ratio	Lower	Upper
149	100		
91	74.4	59.4	89.2
206	20.1	16.4	24.6



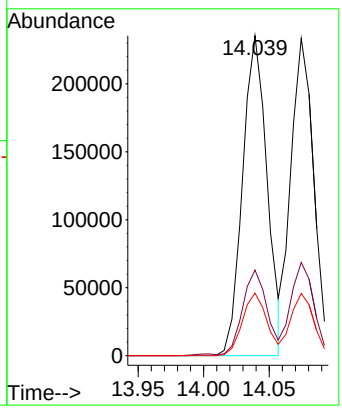


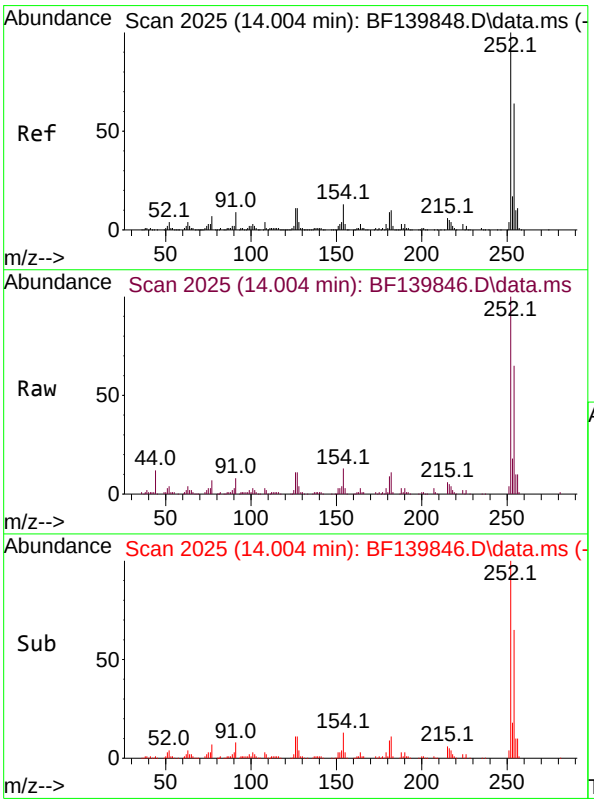
#81
Benzo(a)anthracene
Concen: 10.410 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 306594

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.6	32.4
229	19.5	16.1	24.1

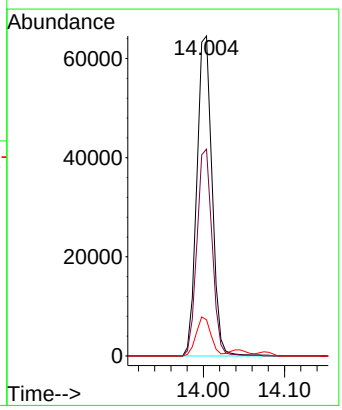


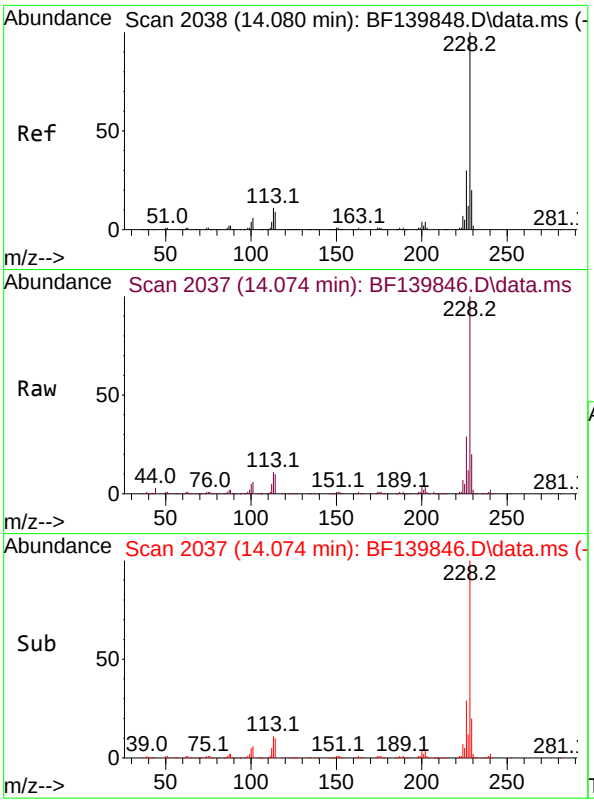


#82
3,3'-Dichlorobenzidine
Concen: 9.806 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 84205

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.8	76.2
126	11.3	8.9	13.3



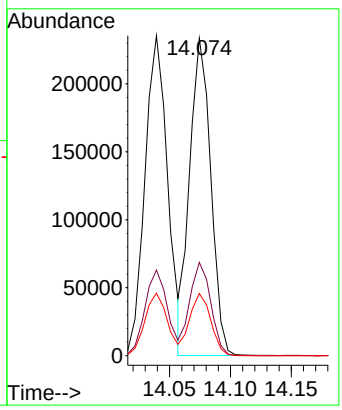


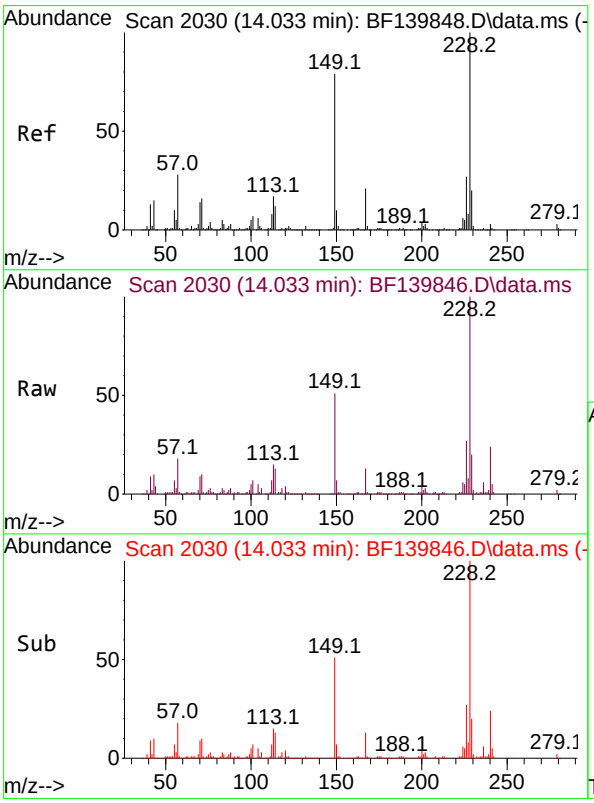
#83
Chrysene
Concen: 10.423 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 281467

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.6	15.8	23.6

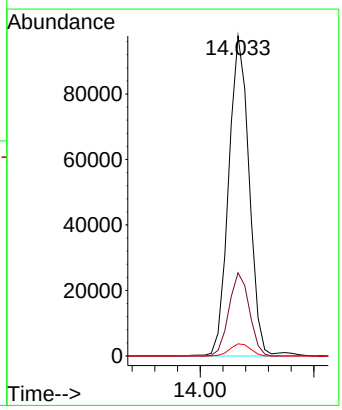


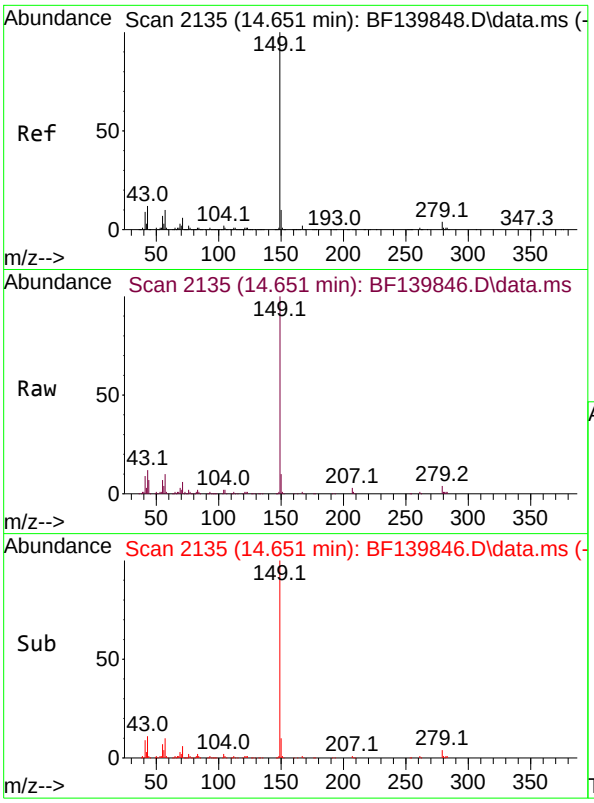


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.153 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:149 Resp: 121932

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.4	32.0
279	3.8	3.0	4.4



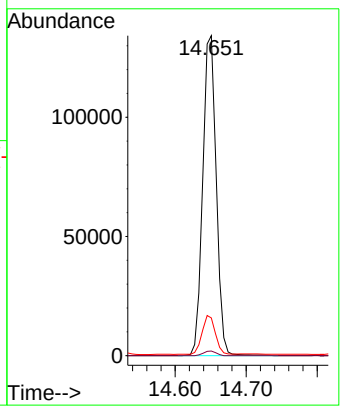


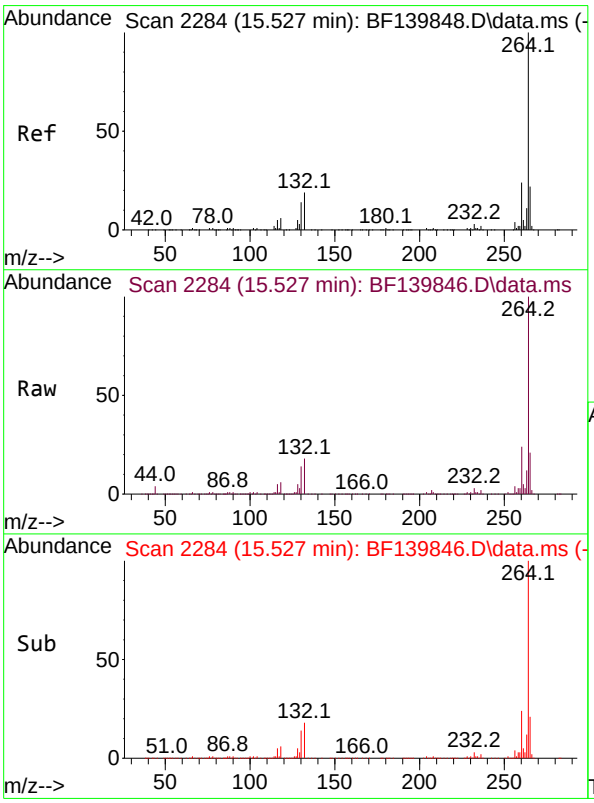
#85
Di-n-octyl phthalate
Concen: 7.339 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 177824

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.8	9.8	14.6

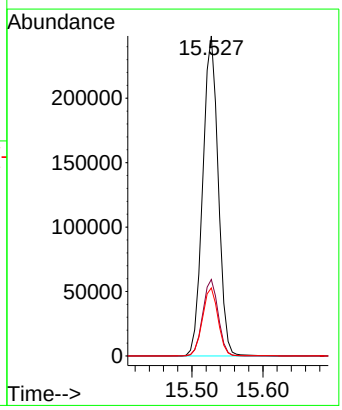


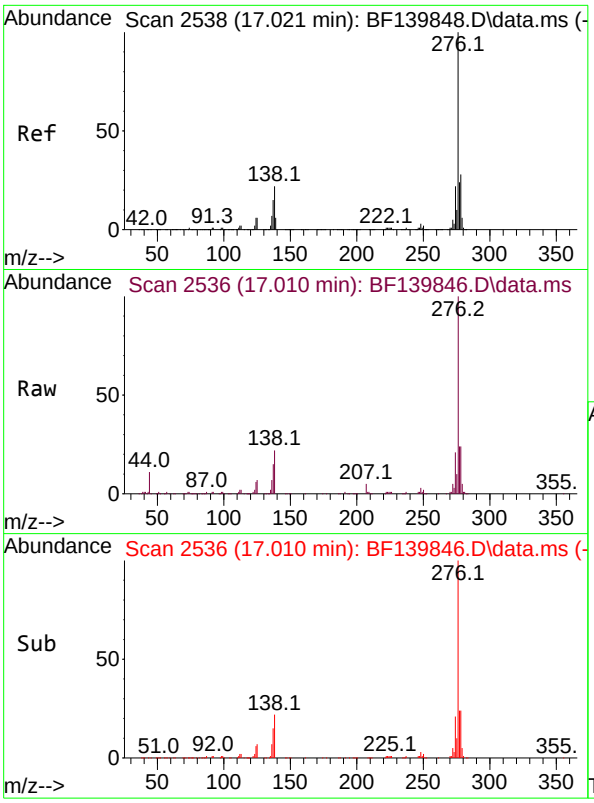


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:264 Resp: 375863

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.3	17.4	26.0



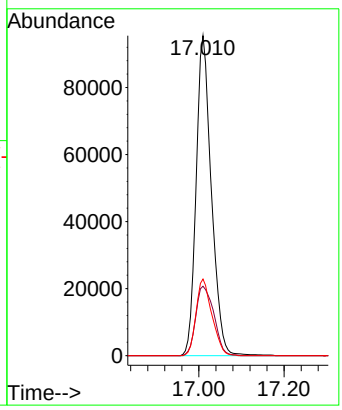


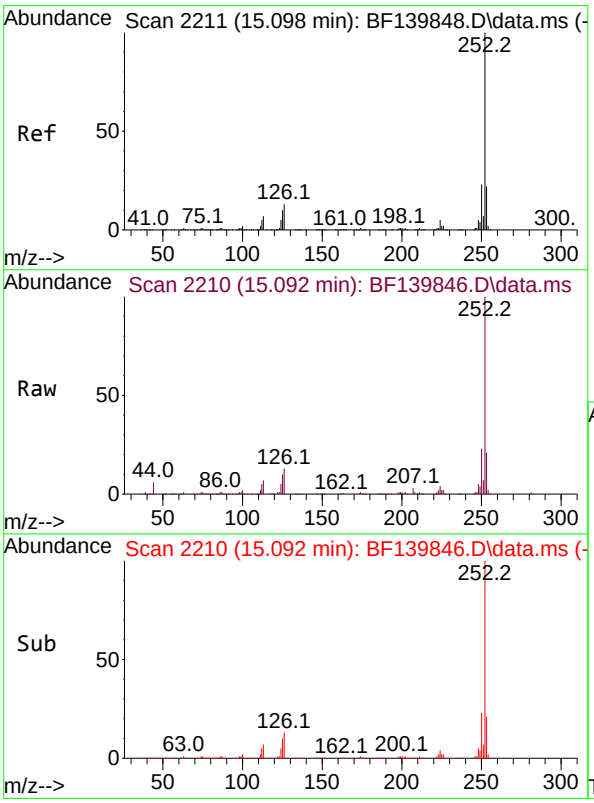
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.798 ng
RT: 17.010 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 236914

Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.4	30.6
277	25.0	20.2	30.4

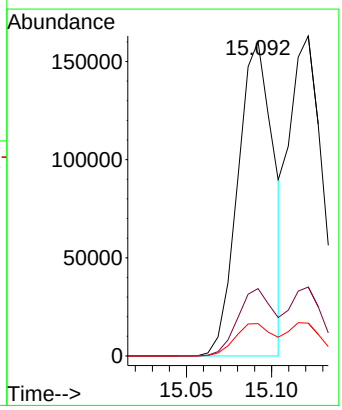


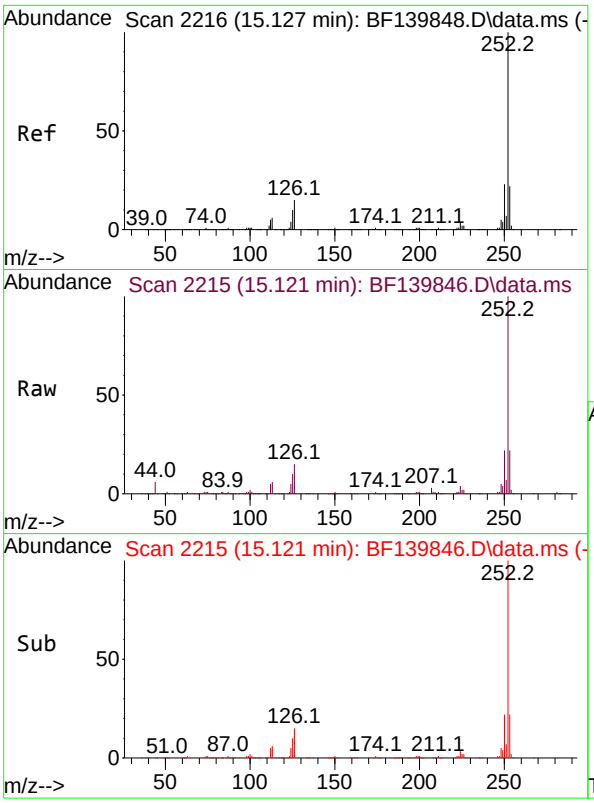


#88
Benzo(b)fluoranthene
Concen: 10.176 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 232988

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.3	7.9	11.9



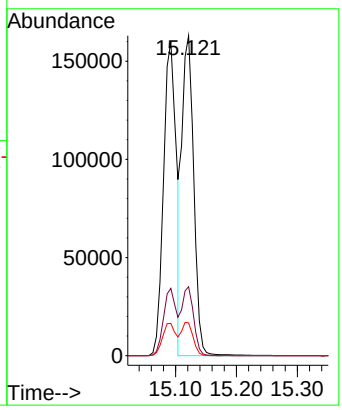


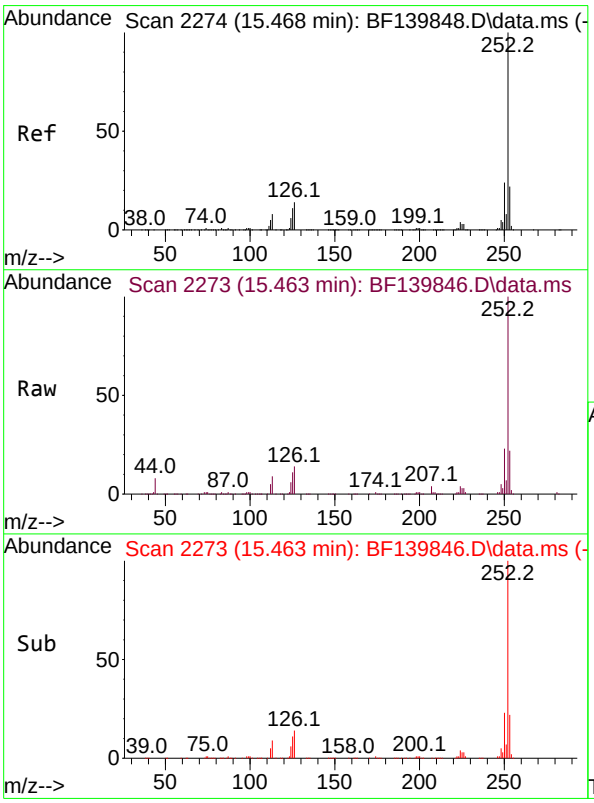
#89
Benzo(k)fluoranthene
Concen: 11.203 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 221219

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.2	7.9	11.9

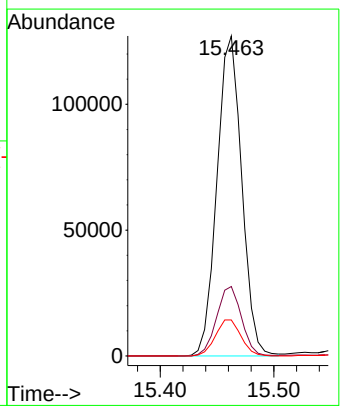


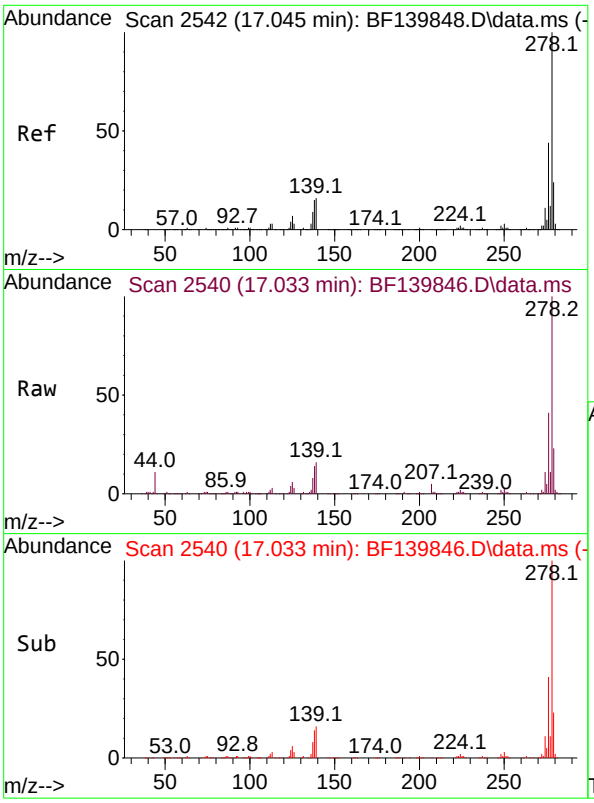


#90
Benzo(a)pyrene
Concen: 10.217 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:252 Resp: 192493

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	11.3	8.7	13.1



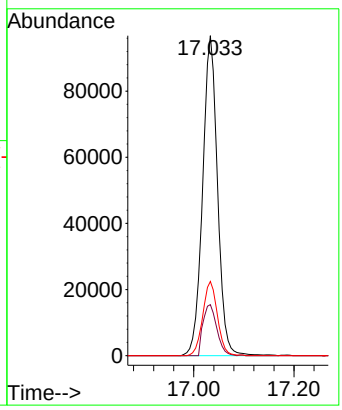


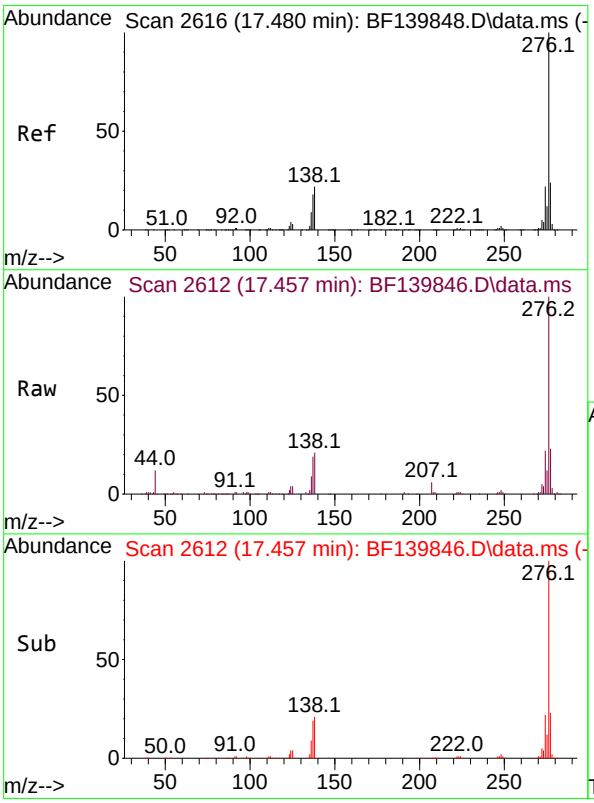
#91
Dibenzo(a,h)anthracene
Concen: 9.912 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 199946

Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.1	19.7
279	23.2	19.0	28.4

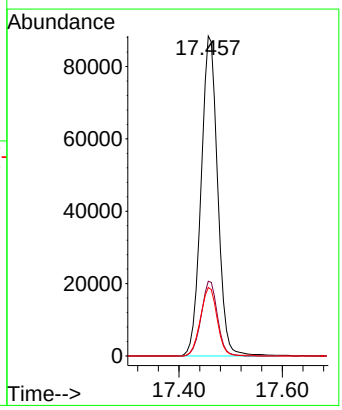




#92
Benzo(g,h,i)perylene
Concen: 9.758 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF139846.D
Acq: 18 Oct 2024 11:23

Tgt Ion:276 Resp: 196609

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	21.4	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139847.D
Acq On : 18 Oct 2024 11:52
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Oct 18 14:18:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	192582	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	735124	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	413023	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	724973	20.000	ng	0.00
76) Chrysene-d12	14.051	240	402251	20.000	ng	0.00
86) Perylene-d12	15.527	264	371811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	512648	41.673	ng	0.00
7) Phenol-d6	6.504	99	658086	41.304	ng	0.00
23) Nitrobenzene-d5	7.451	82	546550	41.206	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	159165	41.199	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1057523	42.316	ng	0.00
79) Terphenyl-d14	12.998	244	1078101	43.673	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	116188	20.257	ng	98
3) Pyridine	3.440	79	293019	20.611	ng	98
4) n-Nitrosodimethylamine	3.381	42	153824	20.138	ng	99
6) Aniline	6.551	93	311561	20.982	ng	99
8) 2-Chlorophenol	6.669	128	261502	20.794	ng	98
9) Benzaldehyde	6.440	77	200586	22.379	ng	98
10) Phenol	6.516	94	338933	20.269	ng	98
11) bis(2-Chloroethyl)ether	6.622	93	261690	20.612	ng	99
12) 1,3-Dichlorobenzene	6.828	146	297432	20.603	ng	99
13) 1,4-Dichlorobenzene	6.910	146	300107	20.808	ng	98
14) 1,2-Dichlorobenzene	7.063	146	284645	21.146	ng	99
15) Benzyl Alcohol	7.022	79	242106	20.715	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	453174	20.933	ng	99
17) 2-Methylphenol	7.128	107	218455	20.371	ng	99
18) Hexachloroethane	7.404	117	105775	20.566	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	197390	20.427	ng	97
20) 3+4-Methylphenols	7.281	107	292795	21.346	ng	96
22) Acetophenone	7.293	105	379127	21.056	ng	99
24) Nitrobenzene	7.469	77	299625	20.604	ng	99
25) Isophorone	7.704	82	516119	20.502	ng	100
26) 2-Nitrophenol	7.787	139	110497	20.141	ng	97
27) 2,4-Dimethylphenol	7.816	122	187930	20.544	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	317497	20.816	ng	99
29) 2,4-Dichlorophenol	8.016	162	215409	20.673	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	238559	20.691	ng	100
31) Naphthalene	8.192	128	801971	21.153	ng	99
32) Benzoic acid	7.892	122	152028	19.054	ng	99
33) 4-Chloroaniline	8.239	127	270435	20.919	ng	98
34) Hexachlorobutadiene	8.310	225	149527	20.641	ng	100
35) Caprolactam	8.587	113	67624	20.411	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	238461	20.668	ng	100
37) 2-Methylnaphthalene	8.881	142	489343	21.075	ng	100
38) 1-Methylnaphthalene	8.981	142	481797	21.149	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	232025	20.823	ng	99
41) Hexachlorocyclopentadiene	9.039	237	81579	21.041	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	165112	20.930	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139847.D
Acq On : 18 Oct 2024 11:52
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Oct 18 14:18:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	164517	20.213	ng		98
46) 1,1'-Biphenyl	9.345	154	612342	21.297	ng		99
47) 2-Chloronaphthalene	9.375	162	480916	20.767	ng		99
48) 2-Nitroaniline	9.463	65	146002	20.614	ng		98
49) Acenaphthylene	9.786	152	709161	21.182	ng		99
50) Dimethylphthalate	9.645	163	529745	20.592	ng		100
51) 2,6-Dinitrotoluene	9.704	165	114726	20.596	ng		98
52) Acenaphthene	9.963	154	449770	20.768	ng		99
53) 3-Nitroaniline	9.869	138	122186	21.271	ng		99
54) 2,4-Dinitrophenol	9.975	184	31801	19.148	ng	#	67
55) Dibenzofuran	10.134	168	652249	20.991	ng		98
56) 4-Nitrophenol	10.010	139	93060	21.057	ng		95
57) 2,4-Dinitrotoluene	10.104	165	139381	20.348	ng		98
58) Fluorene	10.475	166	496012	20.958	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	134842	21.133	ng		98
60) Diethylphthalate	10.345	149	523458	20.723	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	254950	21.331	ng		97
62) 4-Nitroaniline	10.481	138	111683	20.586	ng		98
63) Azobenzene	10.628	77	559837	20.906	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	52180	17.645	ng		100
66) n-Nitrosodiphenylamine	10.581	169	449925	20.736	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	153196	20.512	ng		98
68) Hexachlorobenzene	11.022	284	172091	20.488	ng		99
69) Atrazine	11.104	200	113089	19.240	ng		99
70) Pentachlorophenol	11.210	266	107595	21.106	ng		99
71) Phenanthrene	11.439	178	720363	21.036	ng		100
72) Anthracene	11.486	178	704417	21.083	ng		99
73) Carbazole	11.639	167	669328	21.540	ng		100
74) Di-n-butylphthalate	11.975	149	769779	21.442	ng		99
75) Fluoranthene	12.622	202	751337	21.703	ng		99
77) Benzidine	12.745	184	118035	18.042	ng		100
78) Pyrene	12.851	202	764077	21.700	ng		100
80) Butylbenzylphthalate	13.474	149	215683	20.432	ng		98
81) Benzo(a)anthracene	14.039	228	534525	20.413	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	156770	20.534	ng		100
83) Chrysene	14.074	228	496447	20.678	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	232200	19.606	ng		99
85) Di-n-octyl phthalate	14.651	149	373952	17.359	ng		100
87) Indeno(1,2,3-cd)pyrene	17.015	276	485858	20.312	ng		100
88) Benzo(b)fluoranthene	15.092	252	490566	21.659	ng		100
89) Benzo(k)fluoranthene	15.121	252	368835	18.883	ng		99
90) Benzo(a)pyrene	15.463	252	378617	20.316	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	410285	20.561	ng		99
92) Benzo(g,h,i)perylene	17.468	276	405140	20.326	ng		99

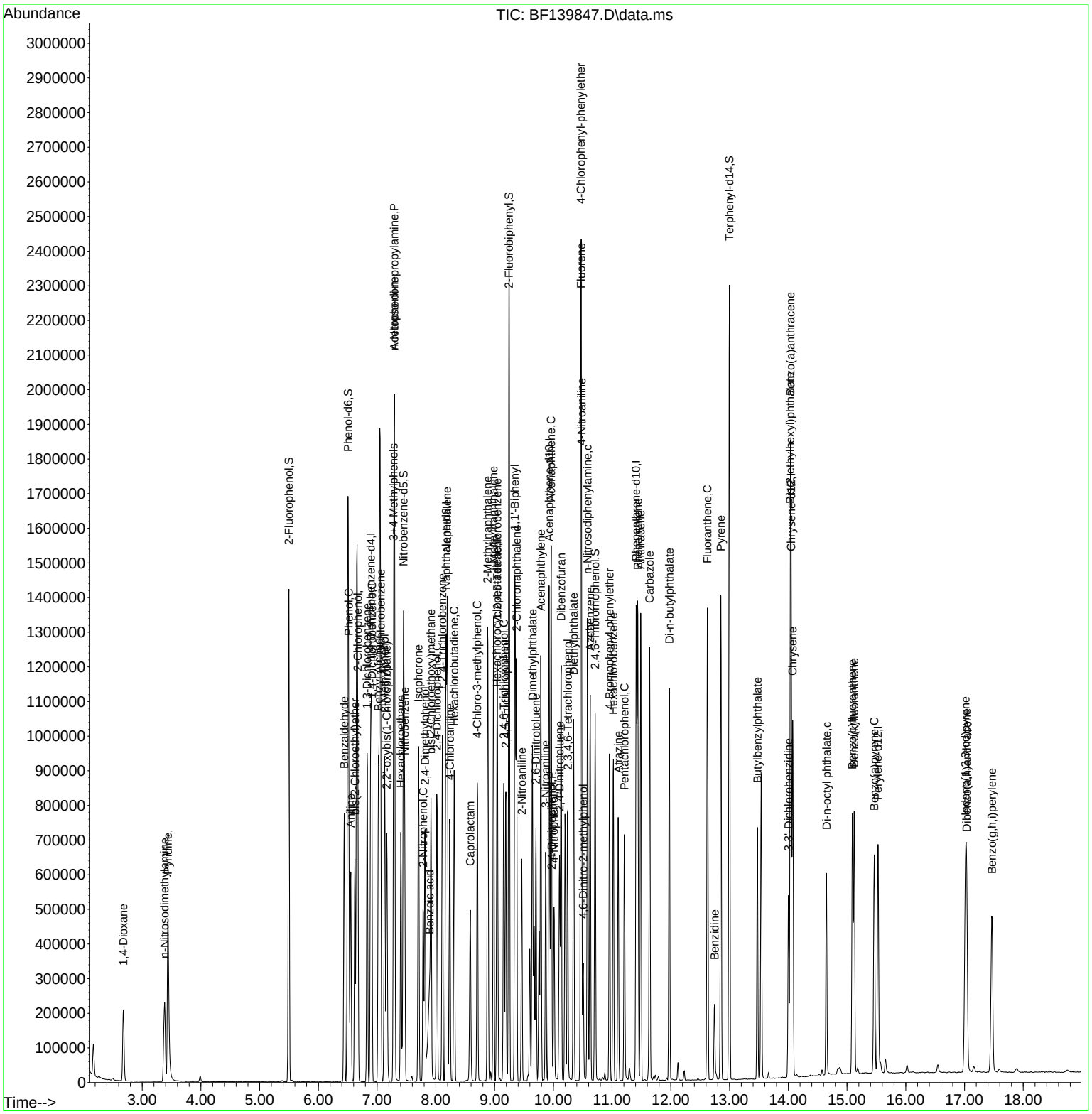
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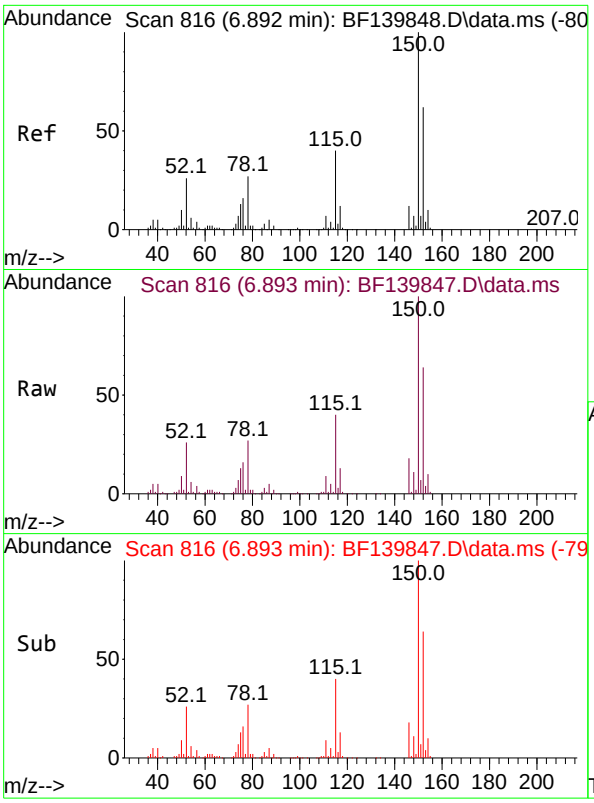
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139847.D
Acq On : 18 Oct 2024 11:52
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Oct 18 14:18:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration



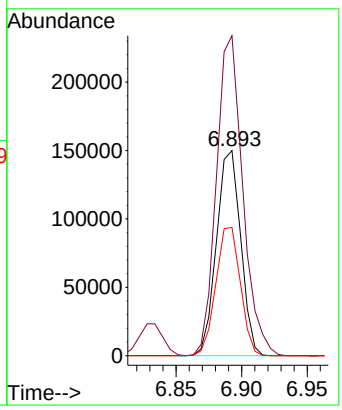


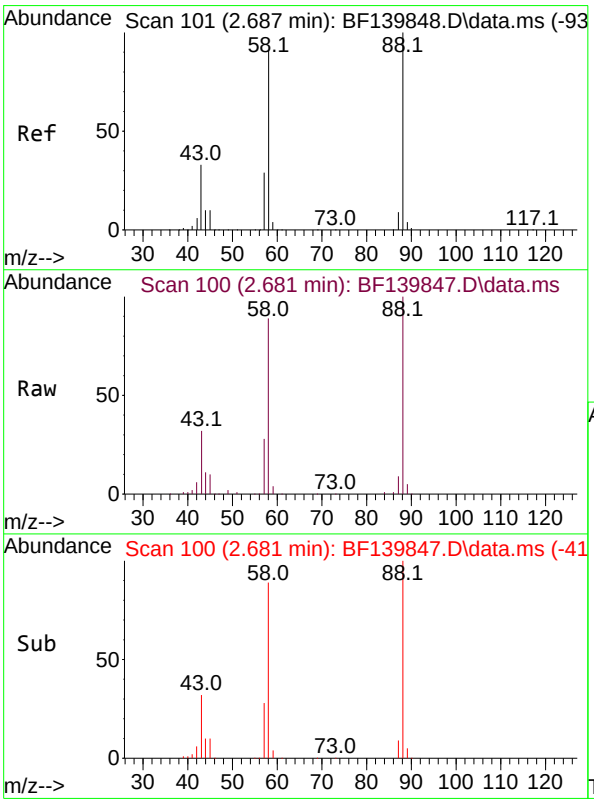
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 192582

Ion	Ratio	Lower	Upper
152	100		
150	156.0	130.2	195.2
115	62.6	51.4	77.2

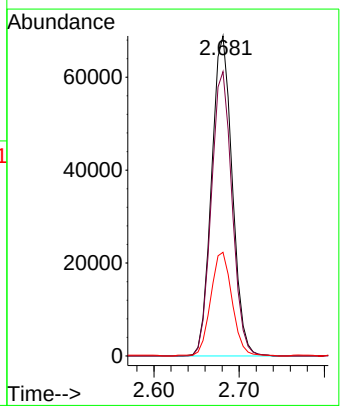


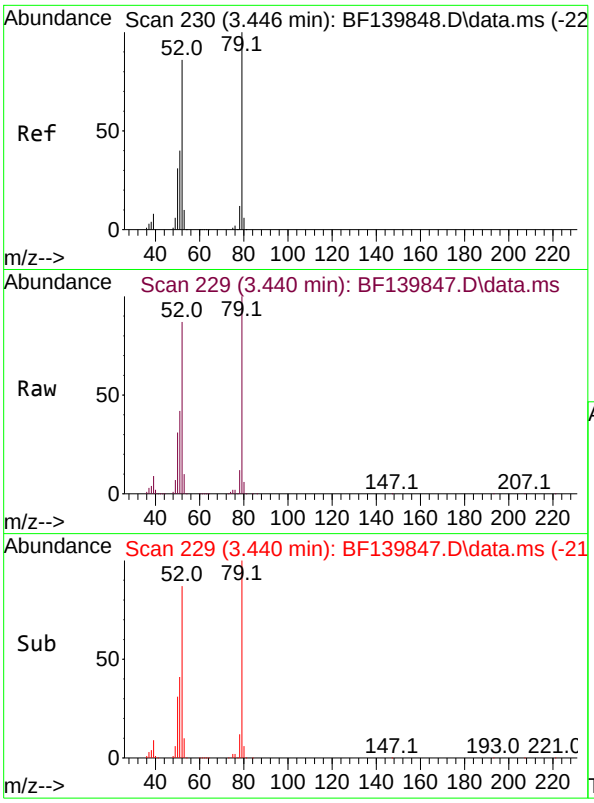


#2
1,4-Dioxane
Concen: 20.257 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 88 Resp: 116188

Ion	Ratio	Lower	Upper
88	100		
58	88.9	73.3	109.9
43	33.6	27.1	40.7



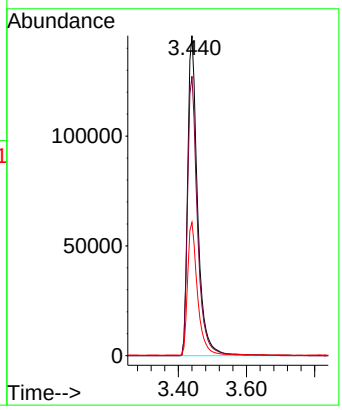


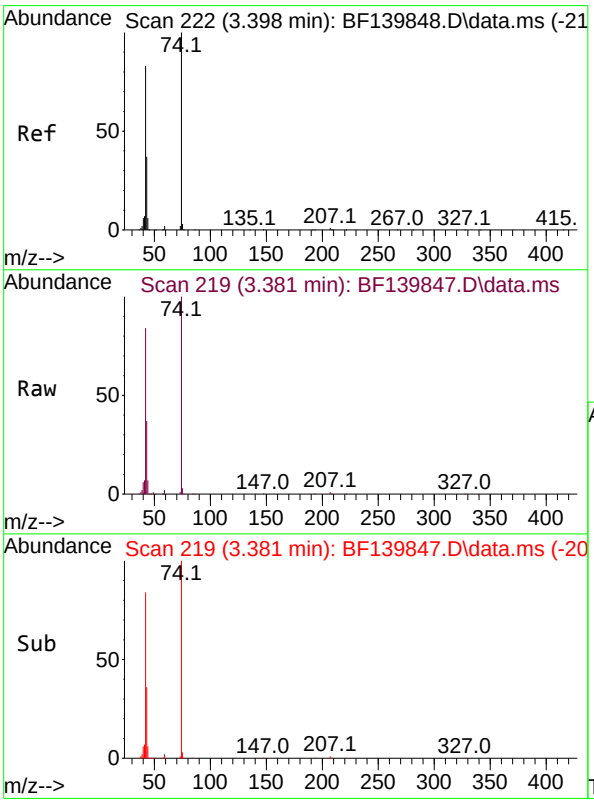
#3
Pyridine
Concen: 20.611 ng
RT: 3.440 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 293019

Ion	Ratio	Lower	Upper
79	100		
52	87.3	68.5	102.7
51	41.6	32.3	48.5

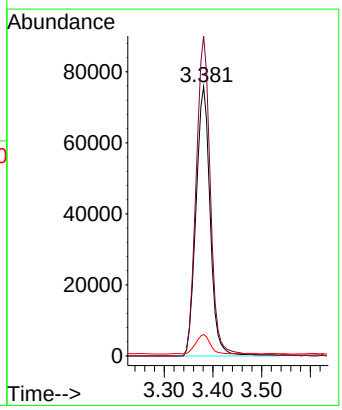


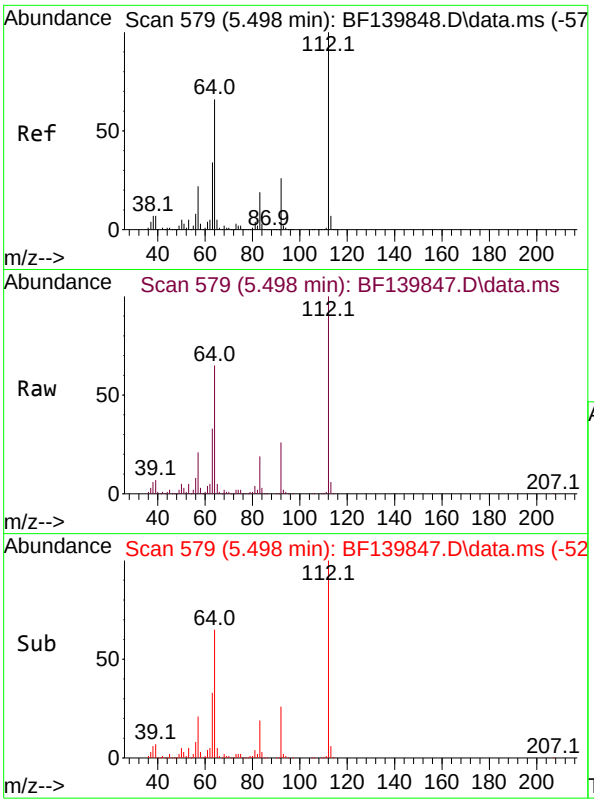


#4
n-Nitrosodimethylamine
Concen: 20.138 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.017 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 42 Resp: 153824

Ion	Ratio	Lower	Upper
42	100		
74	118.8	96.2	144.4
44	8.0	6.2	9.2



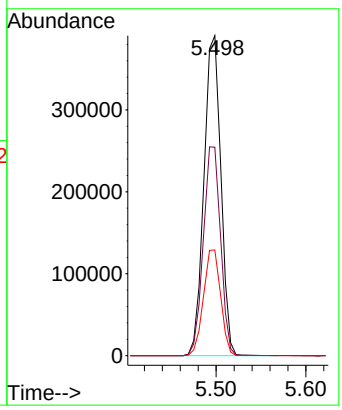


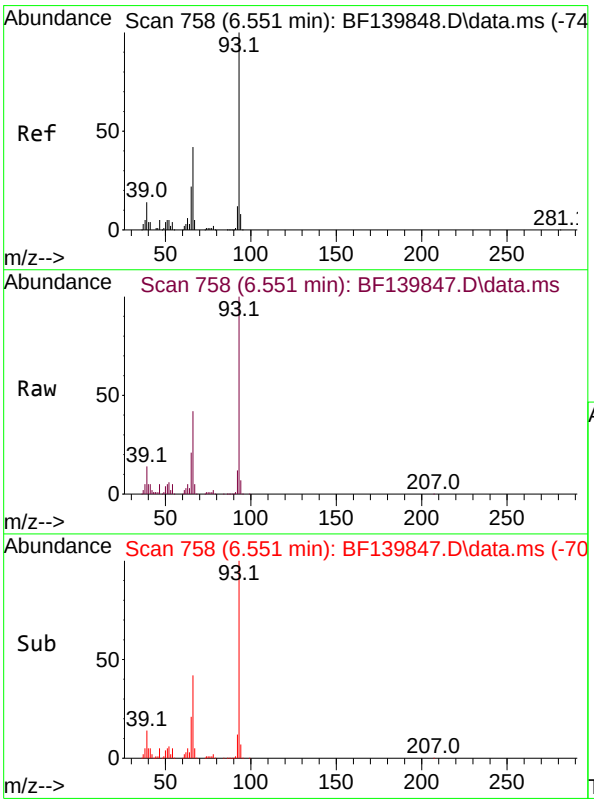
#5
2-Fluorophenol
Concen: 41.673 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 512648

Ion	Ratio	Lower	Upper
112	100		
64	65.1	53.0	79.6
63	33.1	27.0	40.4

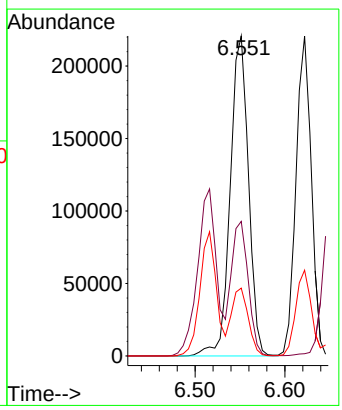


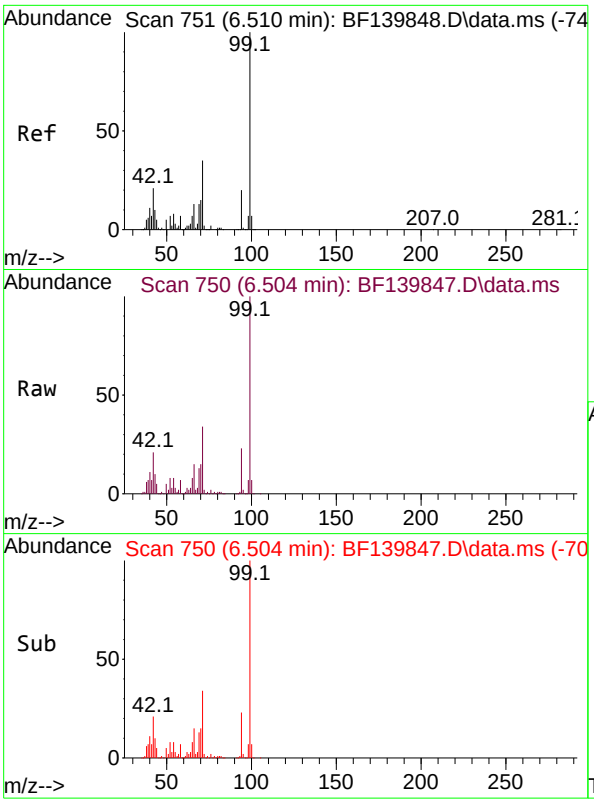


#6
Aniline
Concen: 20.982 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 93 Resp: 311561

Ion	Ratio	Lower	Upper
93	100		
66	42.0	34.0	51.0
65	21.2	17.4	26.0



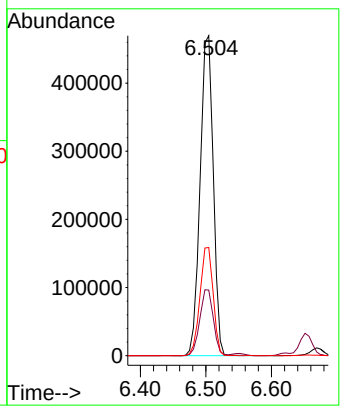


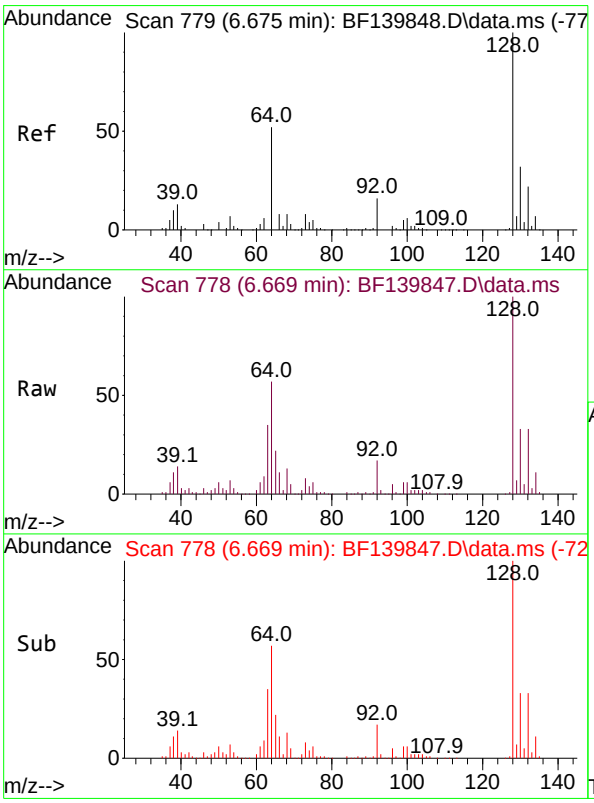
#7
Phenol-d6
Concen: 41.304 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 658086

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.7	25.1
71	33.8	27.7	41.5

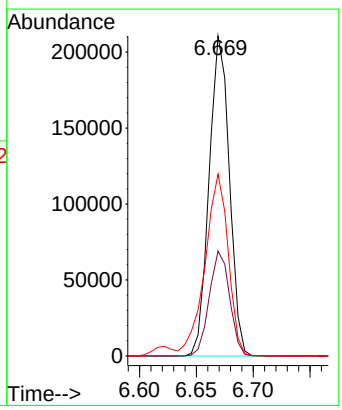


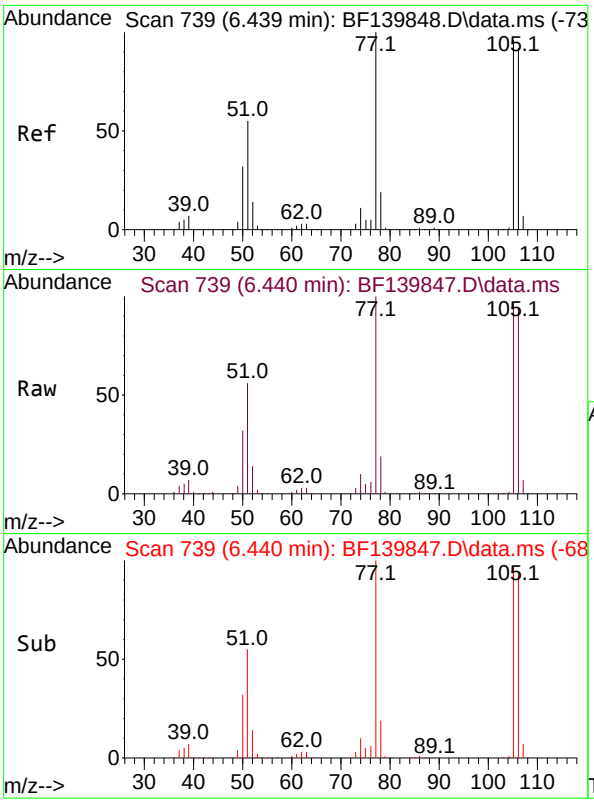


#8
2-Chlorophenol
Concen: 20.794 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:128 Resp: 261502

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	56.8	34.6	74.6



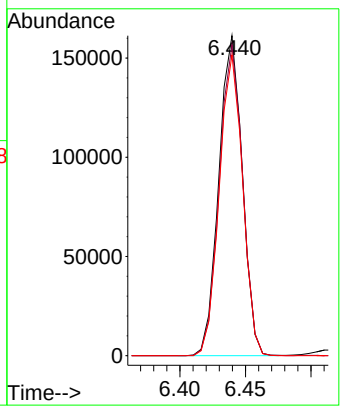


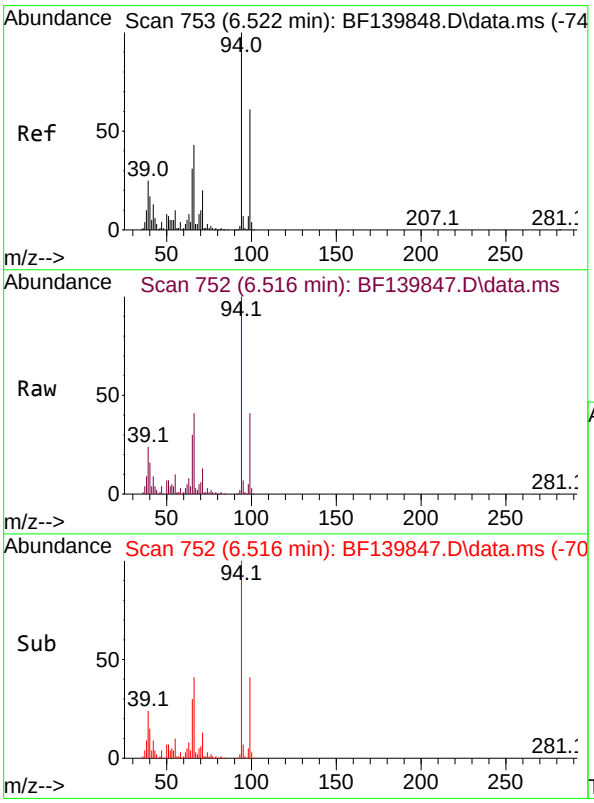
#9
Benzaldehyde
Concen: 22.379 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 200586

Ion	Ratio	Lower	Upper
77	100		
105	97.1	75.5	115.5
106	94.0	71.7	111.7

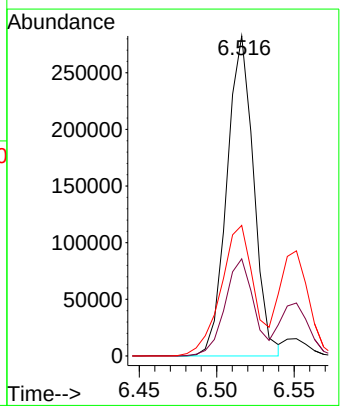


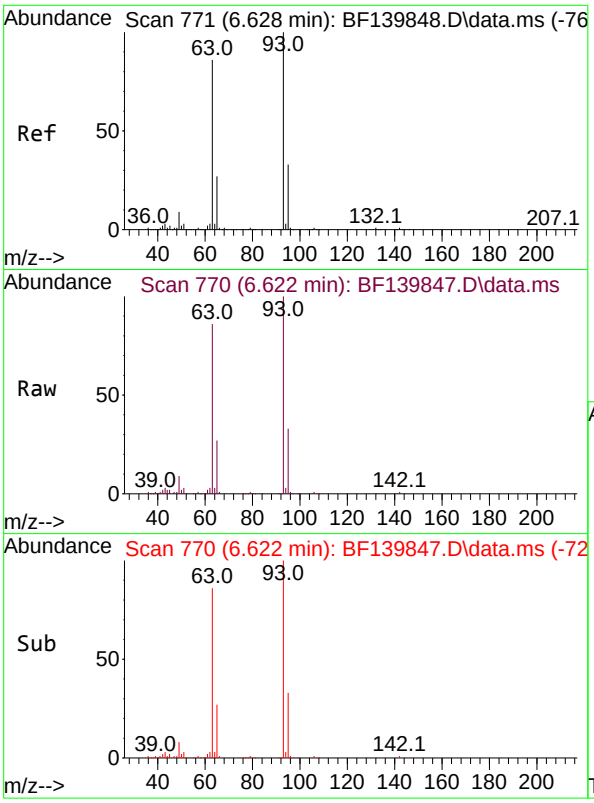


#10
Phenol
Concen: 20.269 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 94 Resp: 338933

Ion	Ratio	Lower	Upper
94	100		
65	30.3	11.1	51.1
66	40.8	22.7	62.7



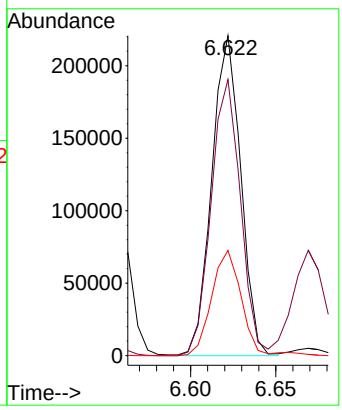


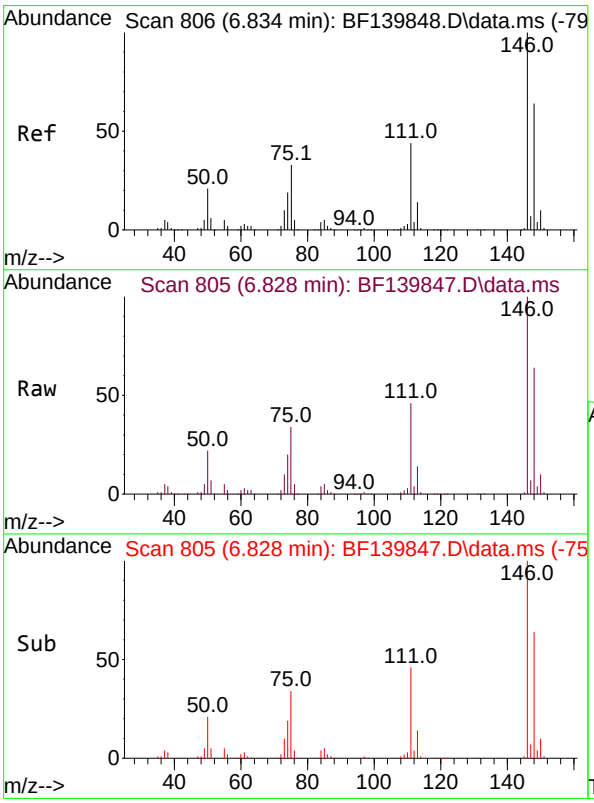
#11
bis(2-Chloroethyl)ether
Concen: 20.612 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 261690

Ion	Ratio	Lower	Upper
93	100		
63	86.3	65.0	105.0
95	32.9	12.4	52.4

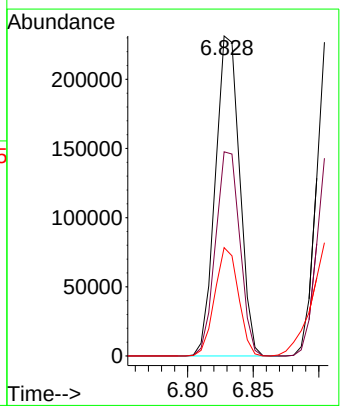


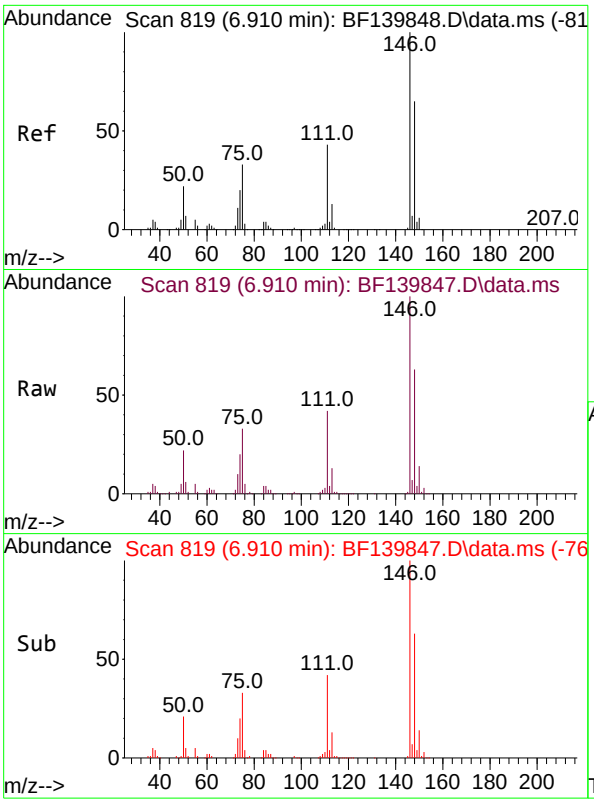


#12
1,3-Dichlorobenzene
Concen: 20.603 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:146 Resp: 297432

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	33.9	26.4	39.6



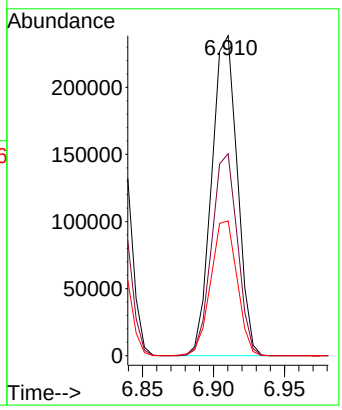


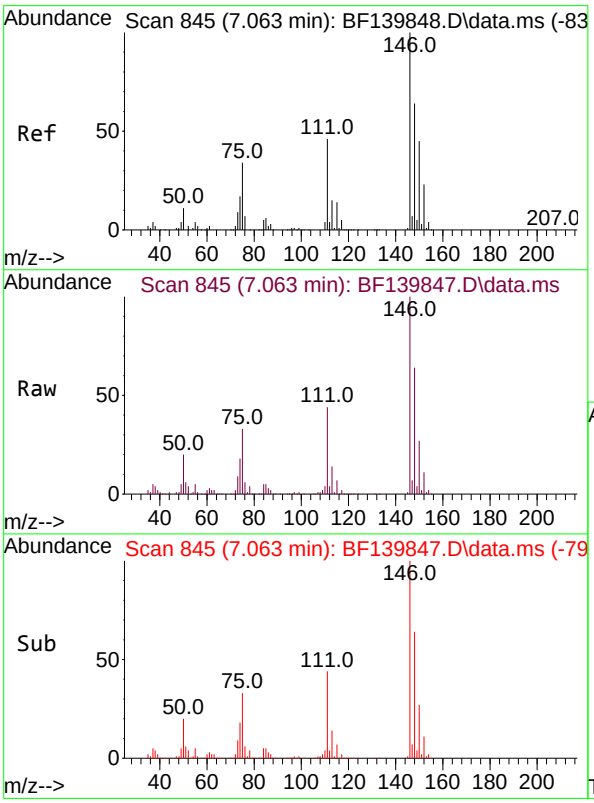
#13
1,4-Dichlorobenzene
Concen: 20.808 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 300107

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.8	77.8
111	42.1	34.6	51.8

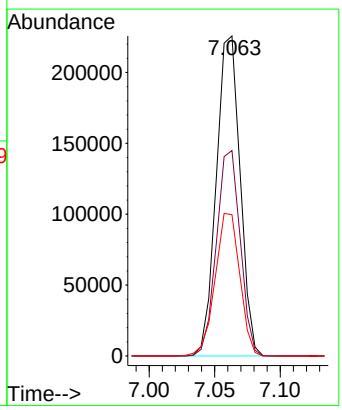


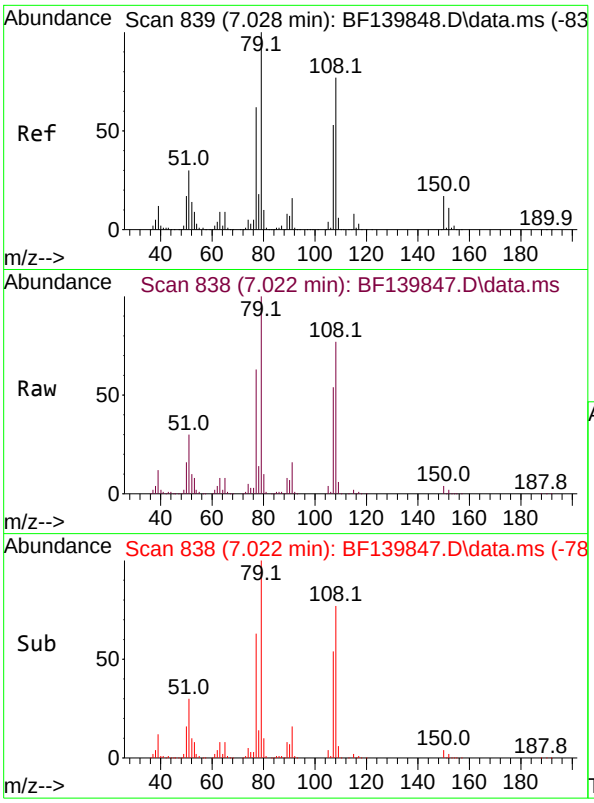


#14
1,2-Dichlorobenzene
Concen: 21.146 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:146 Resp: 284645

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	44.2	36.7	55.1



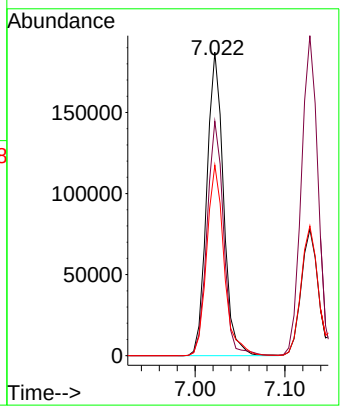


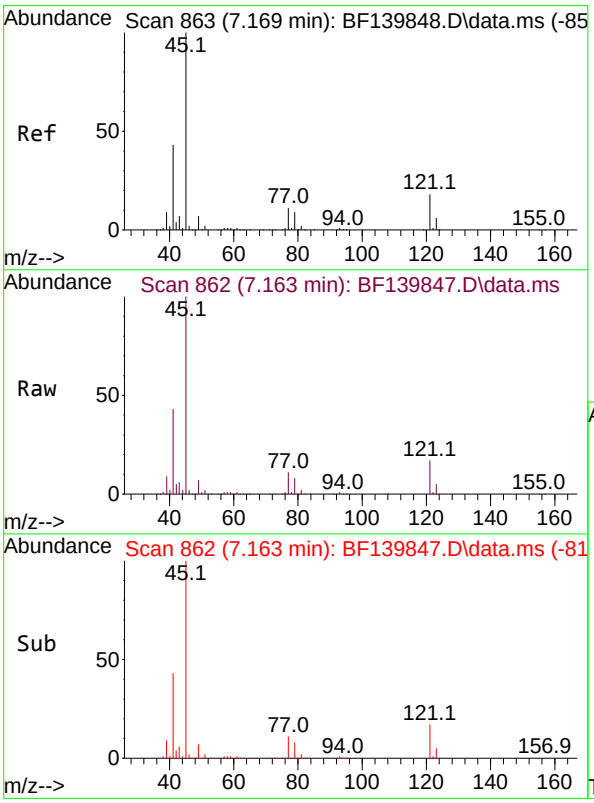
#15
Benzyl Alcohol
Concen: 20.715 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 242106

Ion	Ratio	Lower	Upper
79	100		
108	77.2	61.4	92.0
77	62.8	49.9	74.9

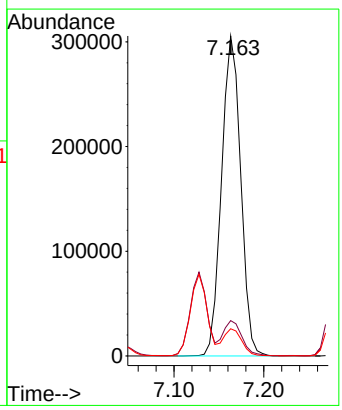


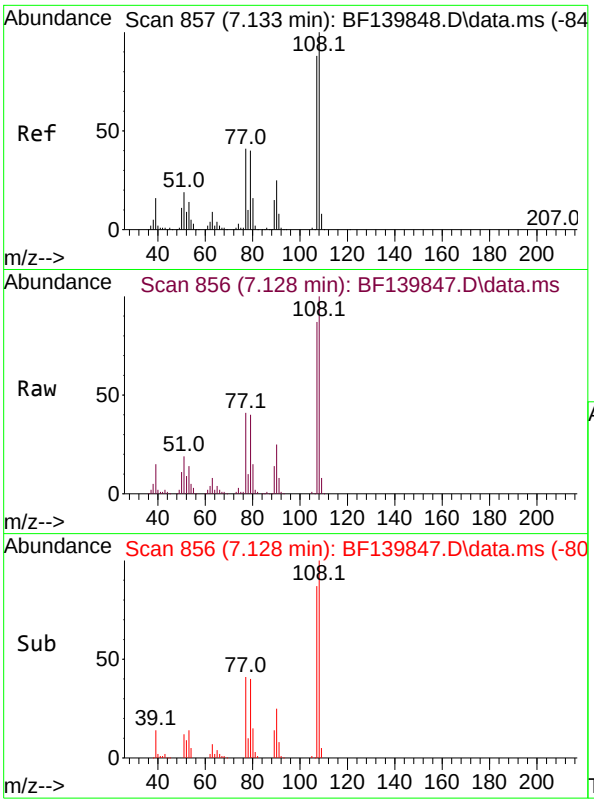


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.933 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 45 Resp: 453174

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.5
79	8.5	0.0	29.1



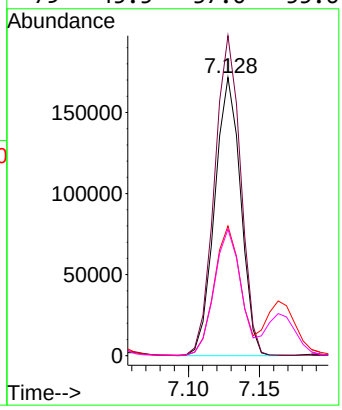


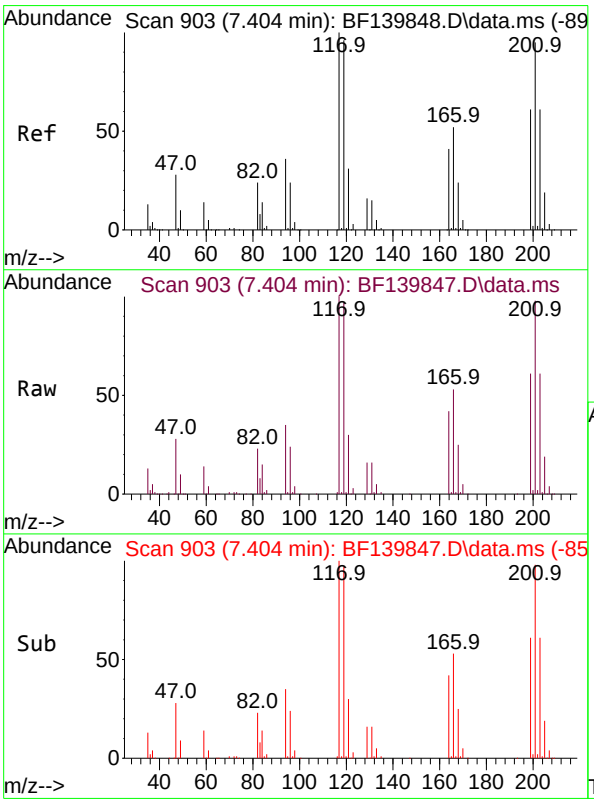
#17
2-Methylphenol
Concen: 20.371 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 218455

Ion	Ratio	Lower	Upper
107	100		
108	115.0	91.3	136.9
77	46.6	37.1	55.7
79	45.5	37.0	55.6

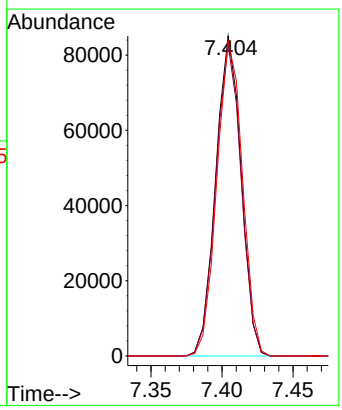


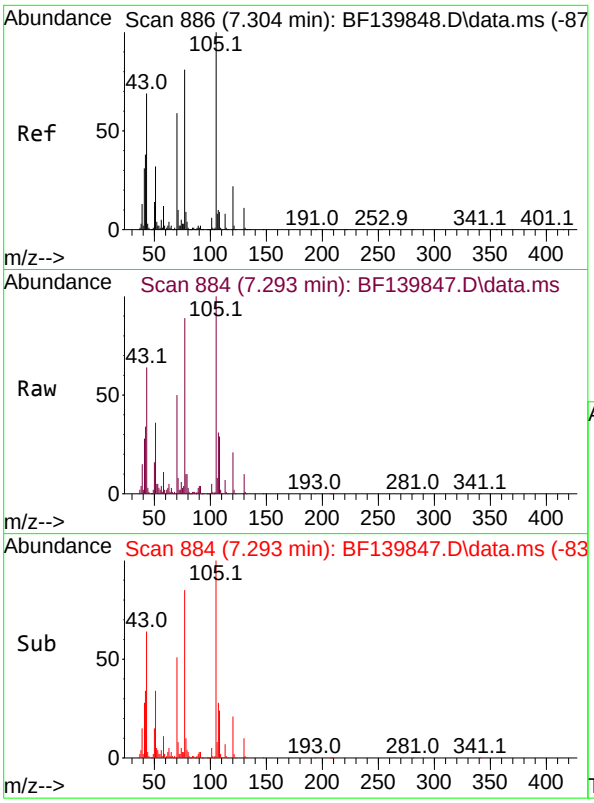


#18
Hexachloroethane
Concen: 20.566 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:117 Resp: 105775

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.0	115.4
201	98.4	76.2	114.4



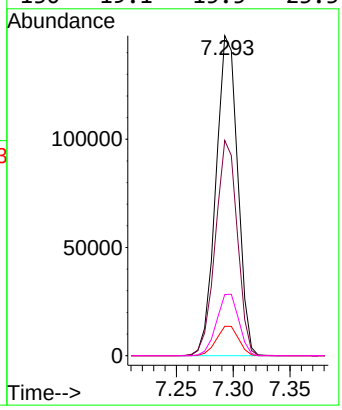


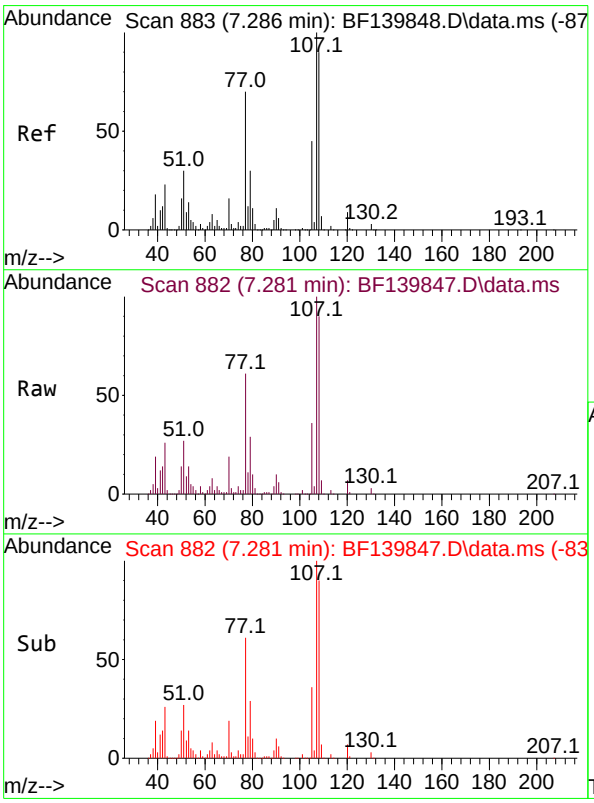
#19
n-Nitroso-di-n-propylamine
Concen: 20.427 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 197390

Ion	Ratio	Lower	Upper
70	100		
42	67.2	51.5	77.3
101	9.2	7.5	11.3
130	19.1	15.5	23.3

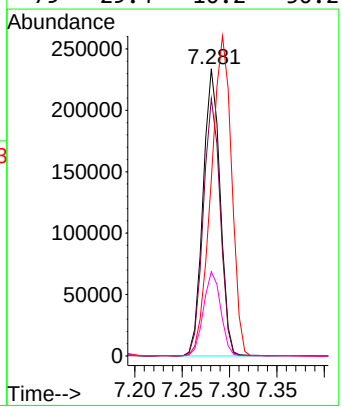


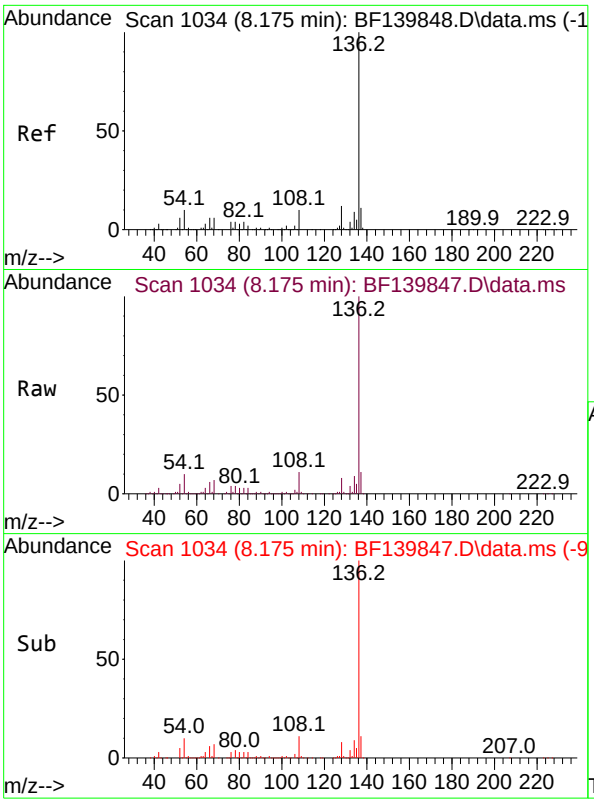


#20
3+4-Methylphenols
Concen: 21.346 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:107 Resp: 292795

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.8	109.8
77	61.4	50.5	90.5
79	29.4	10.2	50.2



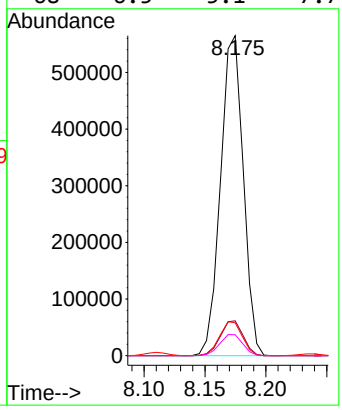


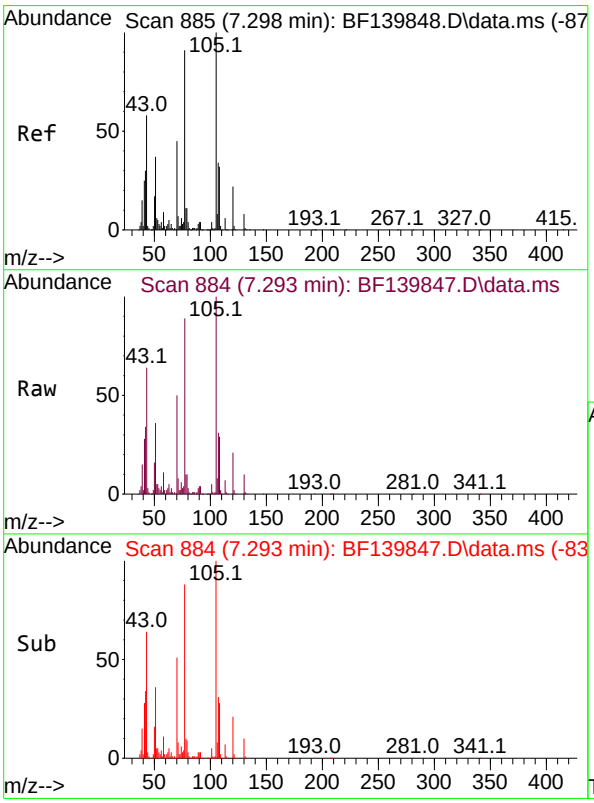
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 735124

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.3	8.4	12.6
68	6.5	5.1	7.7

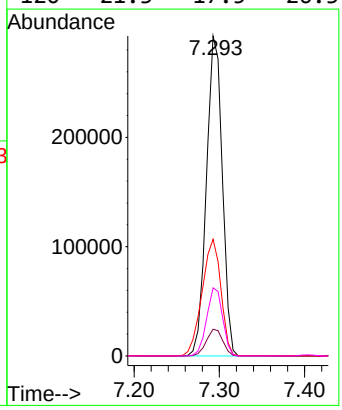


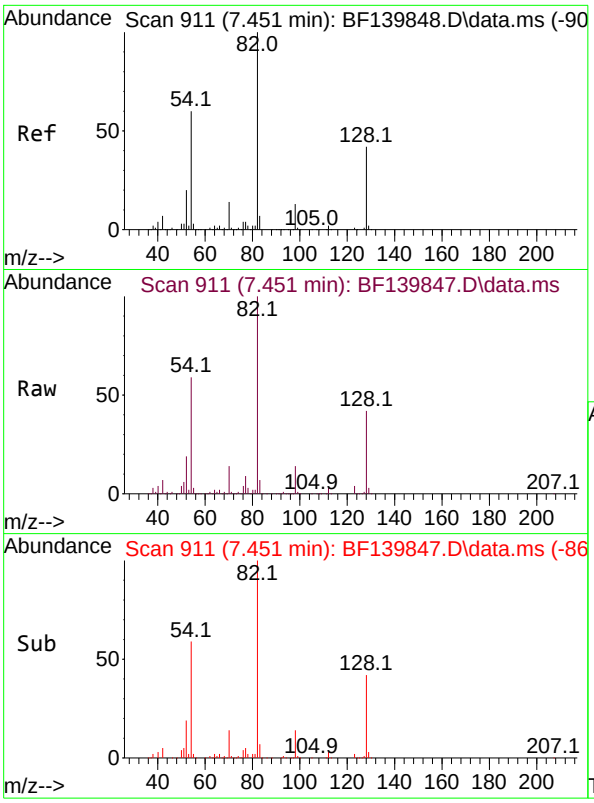


#22
Acetophenone
Concen: 21.056 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:105 Resp: 379127

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.9	8.9
51	36.5	29.4	44.2
120	21.3	17.5	26.3



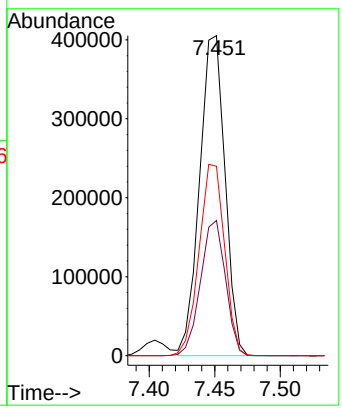


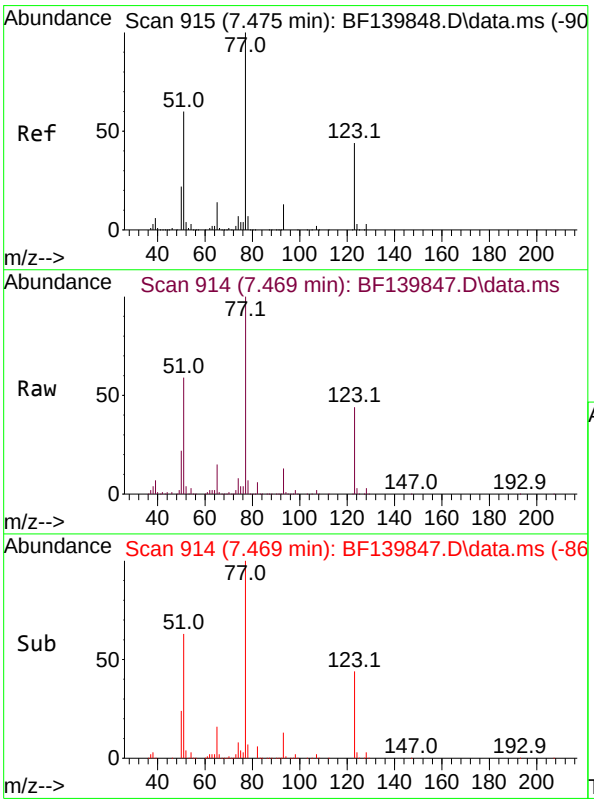
#23
Nitrobenzene-d5
Concen: 41.206 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 546550

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.4	50.0
54	59.2	47.8	71.8

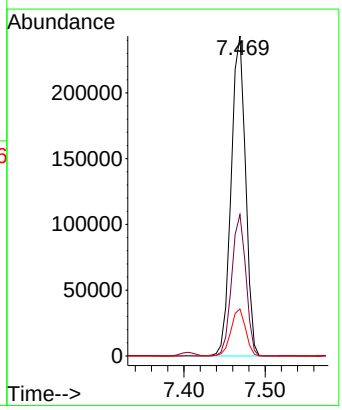


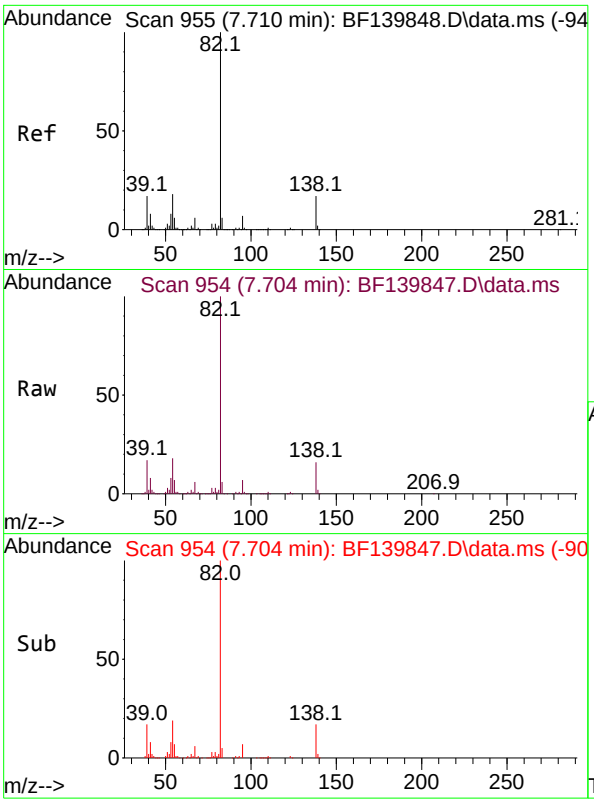


#24
Nitrobenzene
Concen: 20.604 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 77 Resp: 299625

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.7	53.5
65	14.7	11.5	17.3



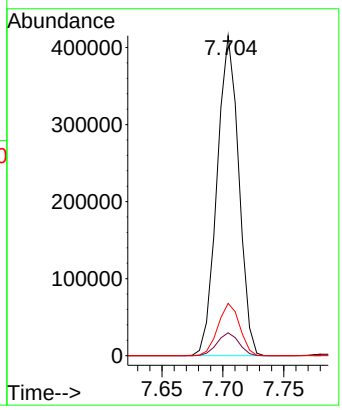


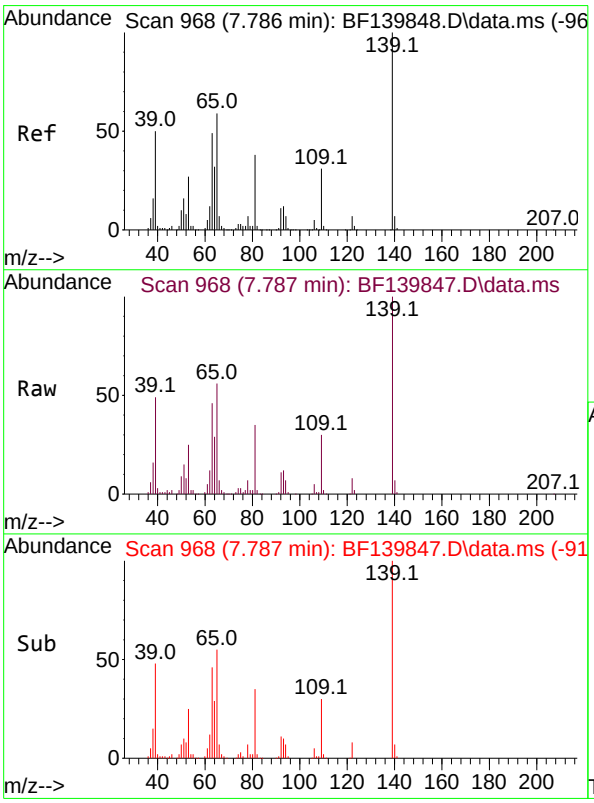
#25
Isophorone
Concen: 20.502 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 516119

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	16.3	13.2	19.8

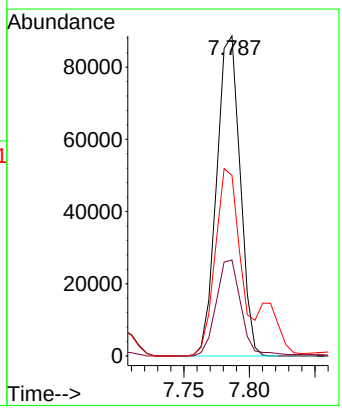


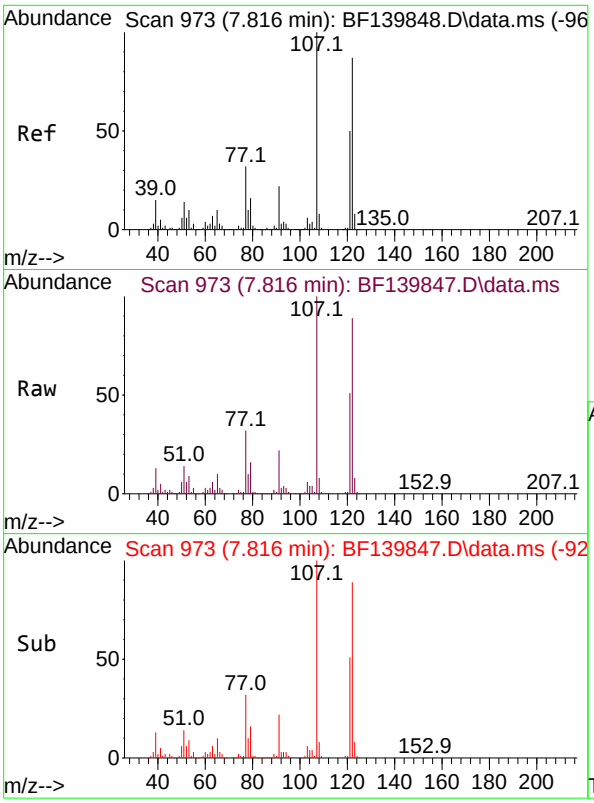


#26
2-Nitrophenol
Concen: 20.141 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:139 Resp: 110497

Ion	Ratio	Lower	Upper
139	100		
109	30.0	25.1	37.7
65	56.5	47.5	71.3



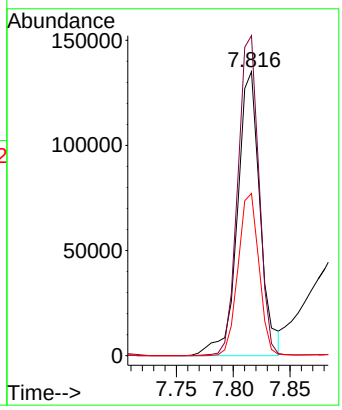


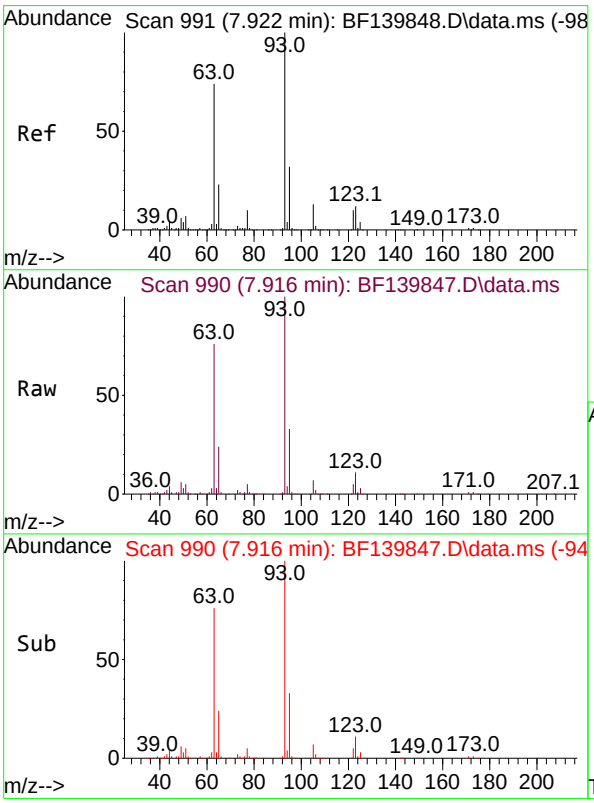
#27
2,4-Dimethylphenol
Concen: 20.544 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 187930

Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.9	137.9
121	57.1	46.2	69.4

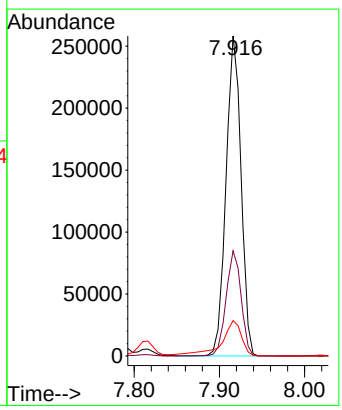


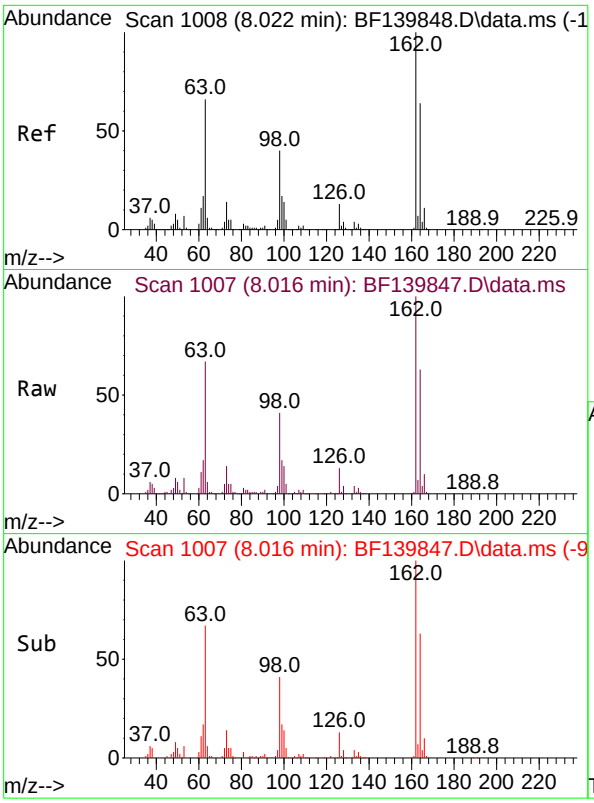


#28
bis(2-Chloroethoxy)methane
Concen: 20.816 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 93 Resp: 317497

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	11.1	9.8	14.8



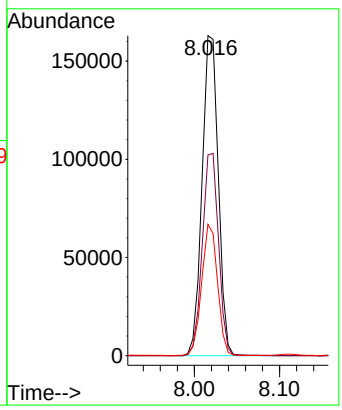


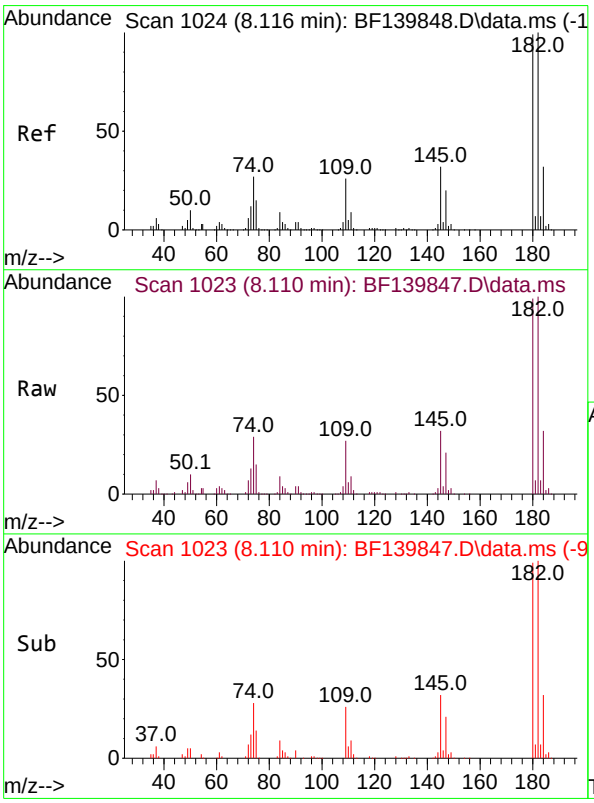
#29
2,4-Dichlorophenol
Concen: 20.673 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 215409

Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.9	83.9
98	41.1	19.9	59.9

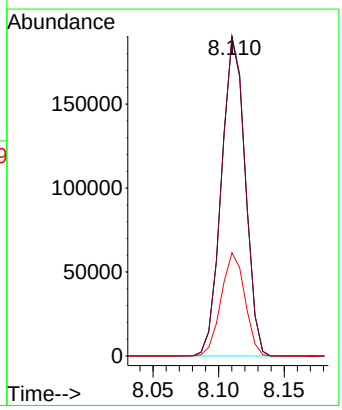


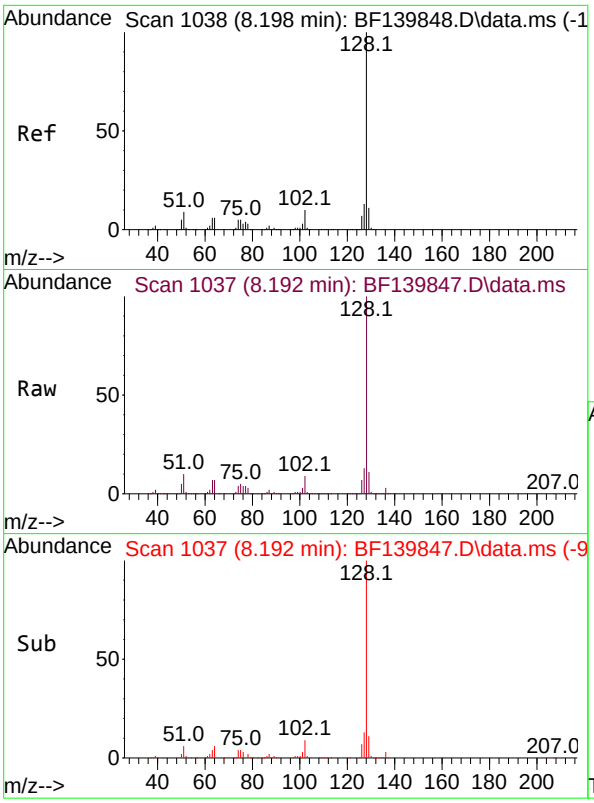


#30
1,2,4-Trichlorobenzene
Concen: 20.691 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:180 Resp: 238559

Ion	Ratio	Lower	Upper
180	100		
182	100.6	80.5	120.7
145	32.5	25.4	38.0



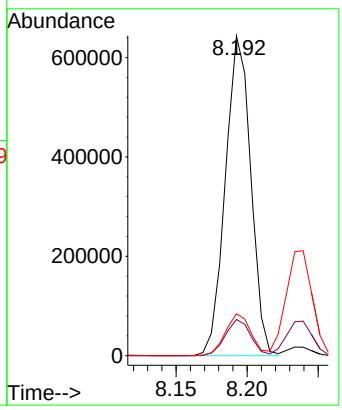


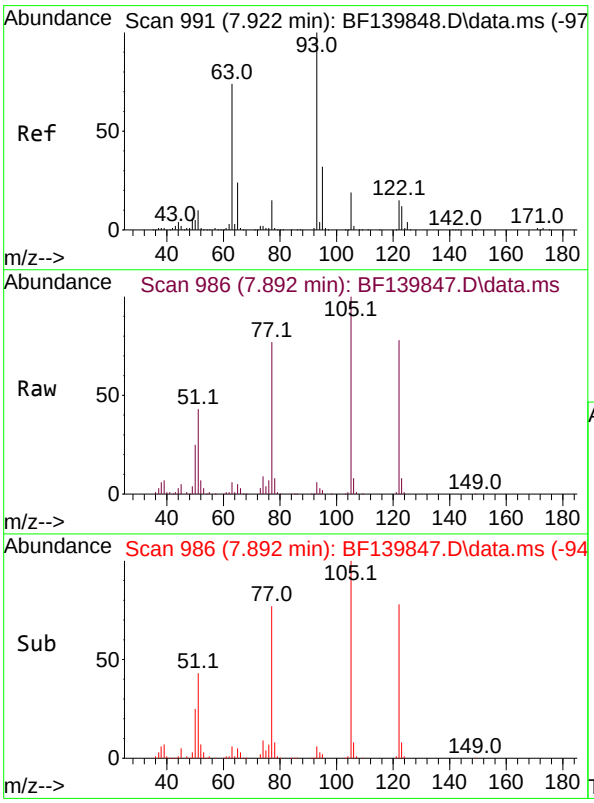
#31
Naphthalene
Concen: 21.153 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 801971

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.1	10.6	16.0

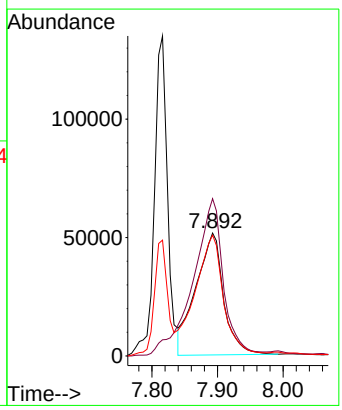


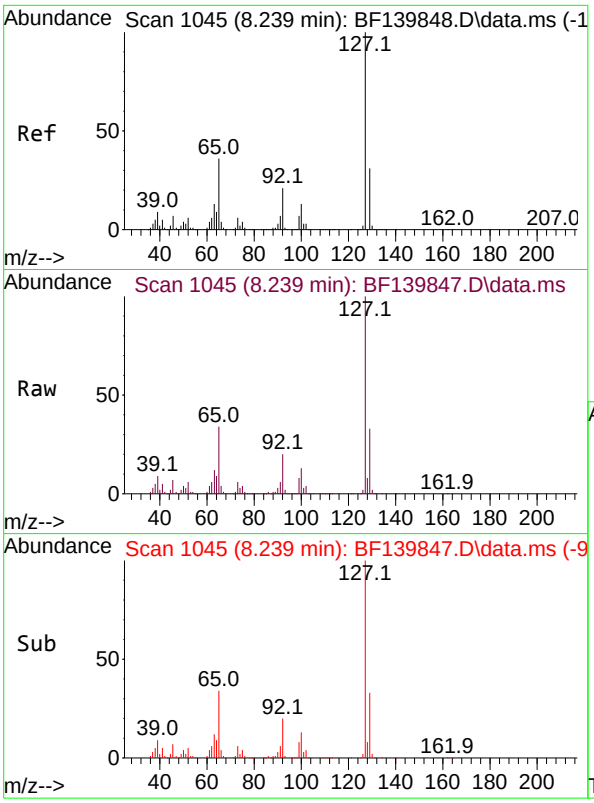


#32
Benzoic acid
Concen: 19.054 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.030 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:122 Resp: 152028

Ion	Ratio	Lower	Upper
122	100		
105	127.9	107.6	147.6
77	98.2	80.2	120.2



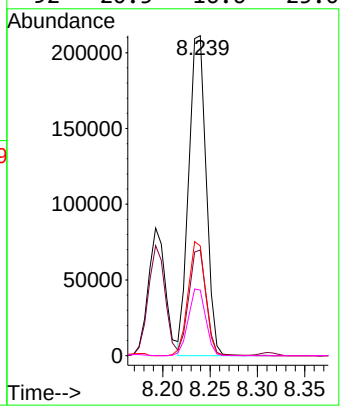


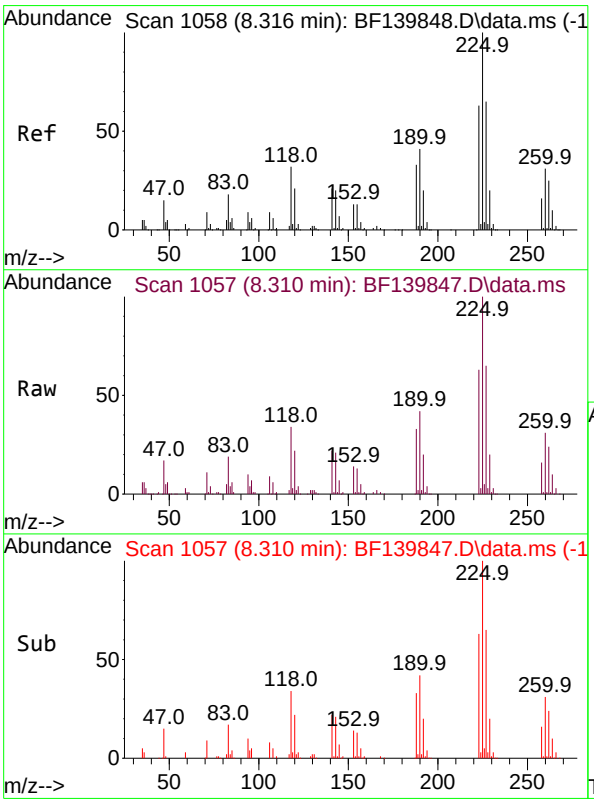
#33
4-Chloroaniline
Concen: 20.919 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 270435

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.4	38.2
65	34.3	28.4	42.6
92	20.5	16.6	25.0

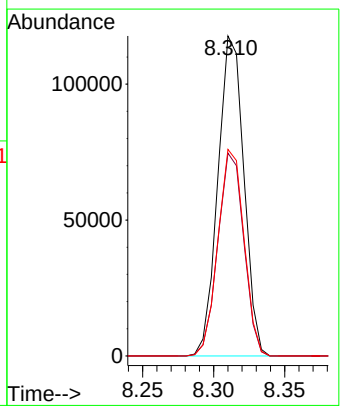


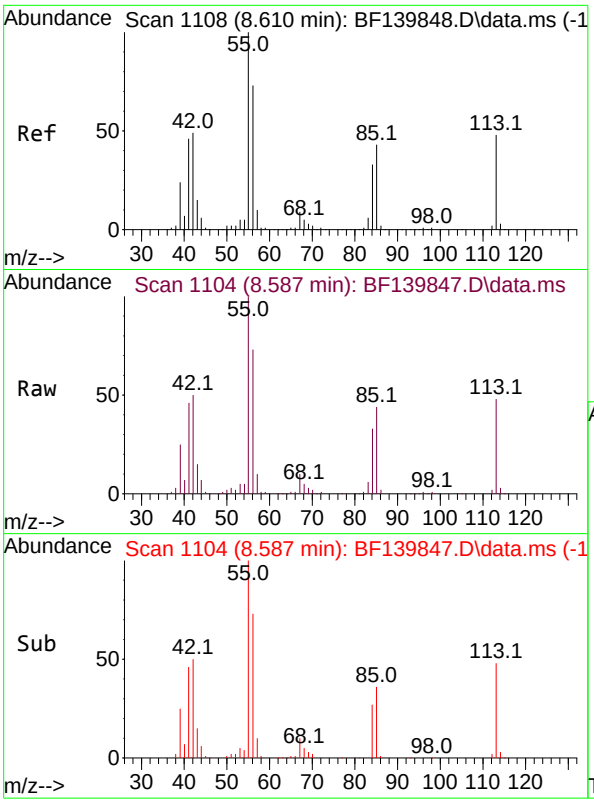


#34
Hexachlorobutadiene
Concen: 20.641 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:225 Resp: 149527

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.6	51.8	77.8



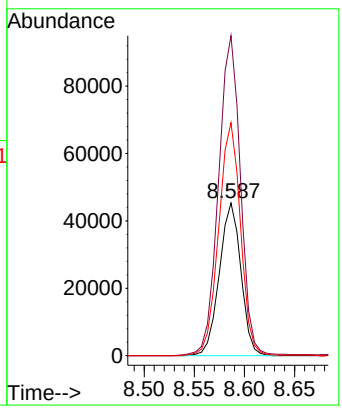


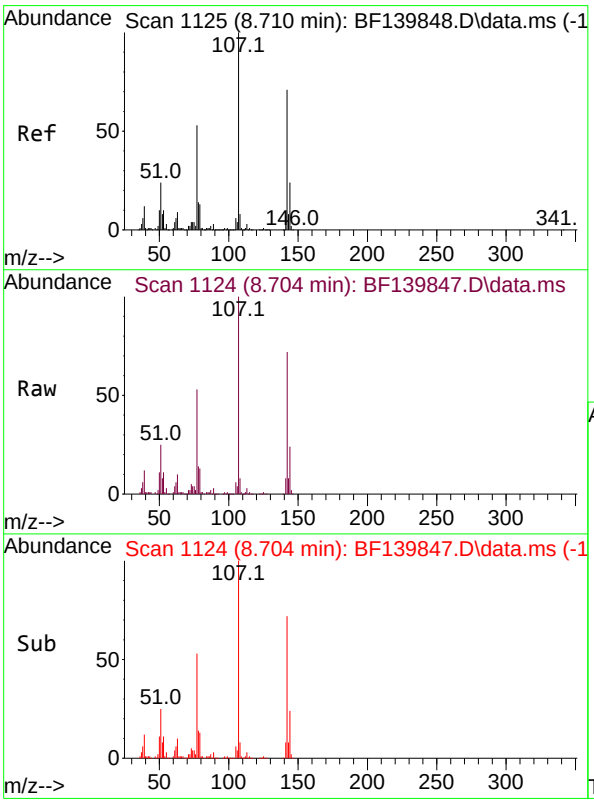
#35
Caprolactam
Concen: 20.411 ng
RT: 8.587 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 67624

Ion	Ratio	Lower	Upper
113	100		
55	209.6	189.2	229.2
56	152.6	132.5	172.5

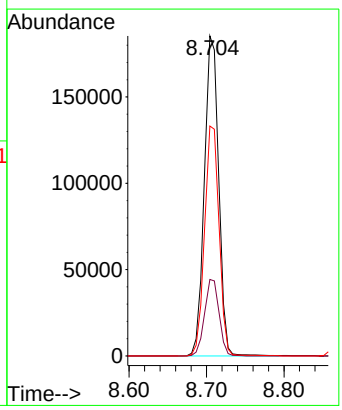


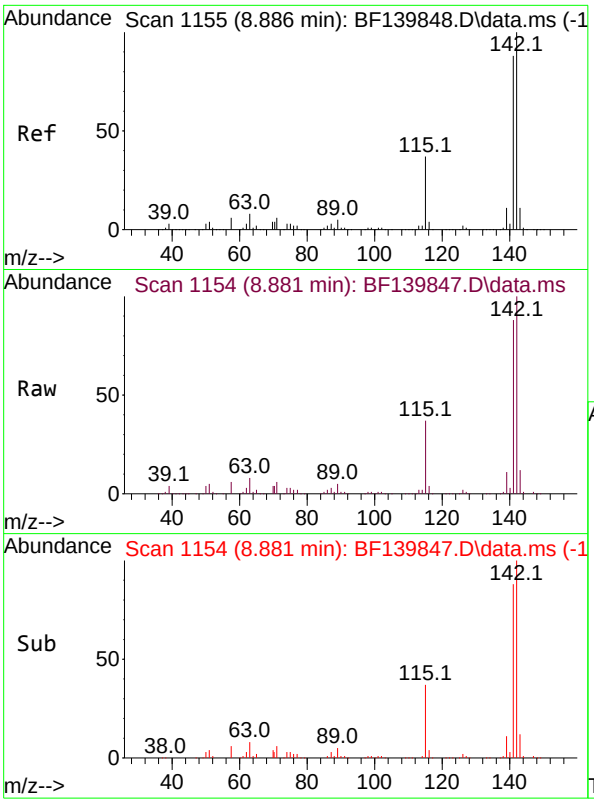


#36
4-Chloro-3-methylphenol
Concen: 20.668 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:107 Resp: 238461

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	71.9	57.2	85.8



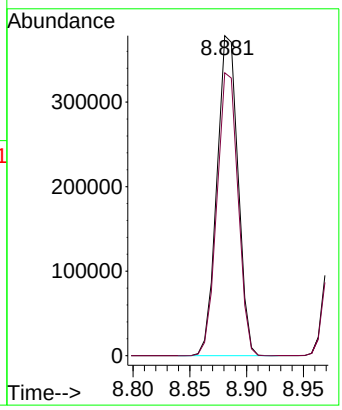


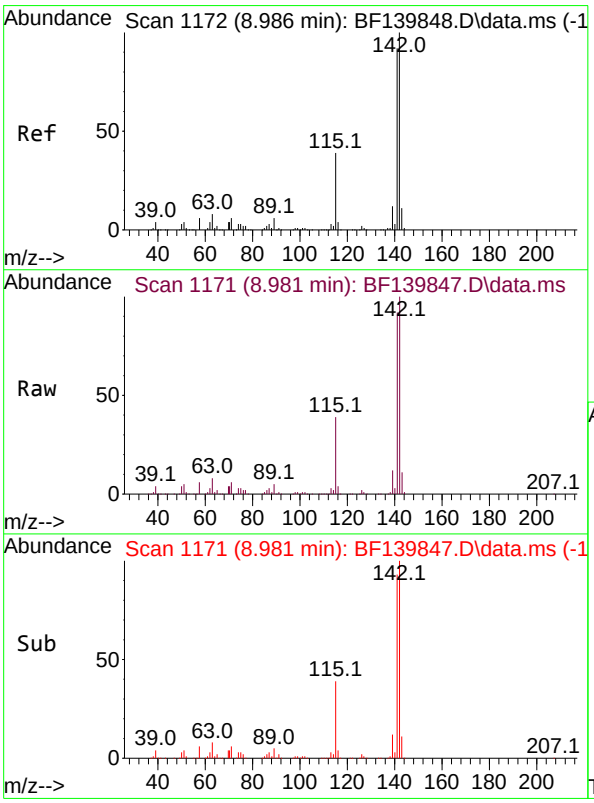
#37
2-Methylnaphthalene
Concen: 21.075 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 489343

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2

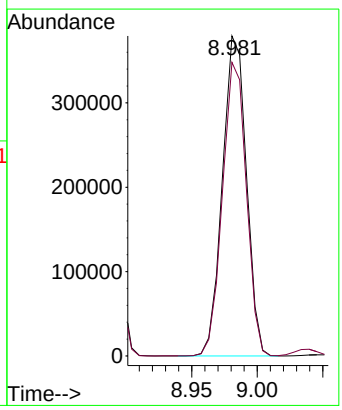


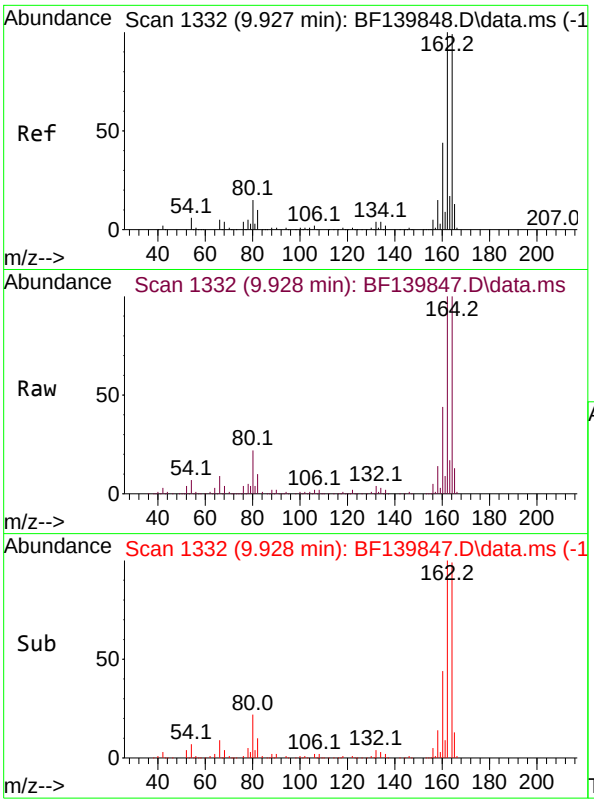


#38
1-Methylnaphthalene
Concen: 21.149 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:142 Resp: 481797

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.5	110.3



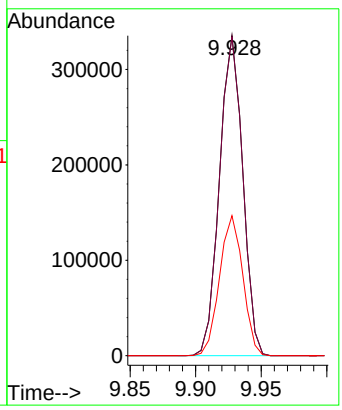


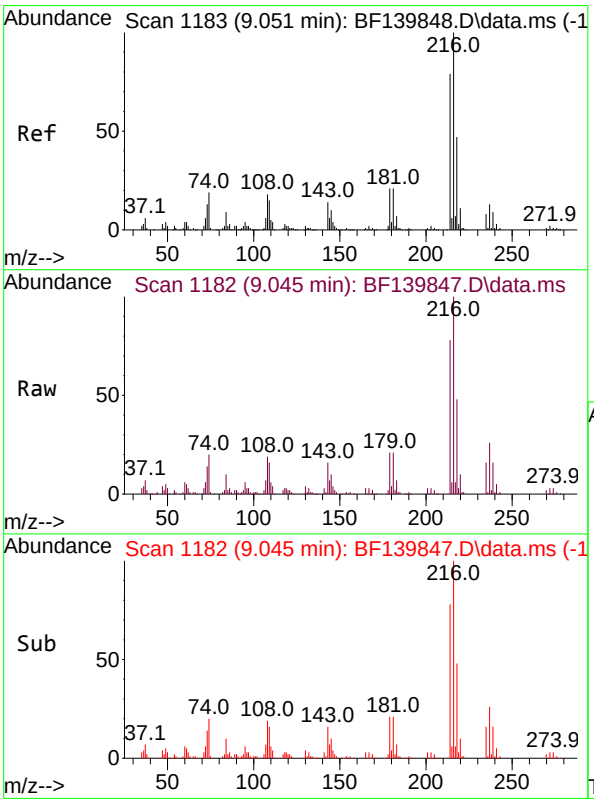
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 413023

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.4
160	43.8	35.4	53.0

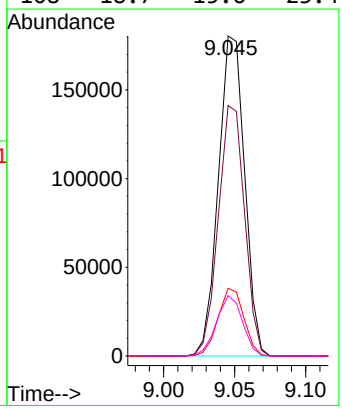


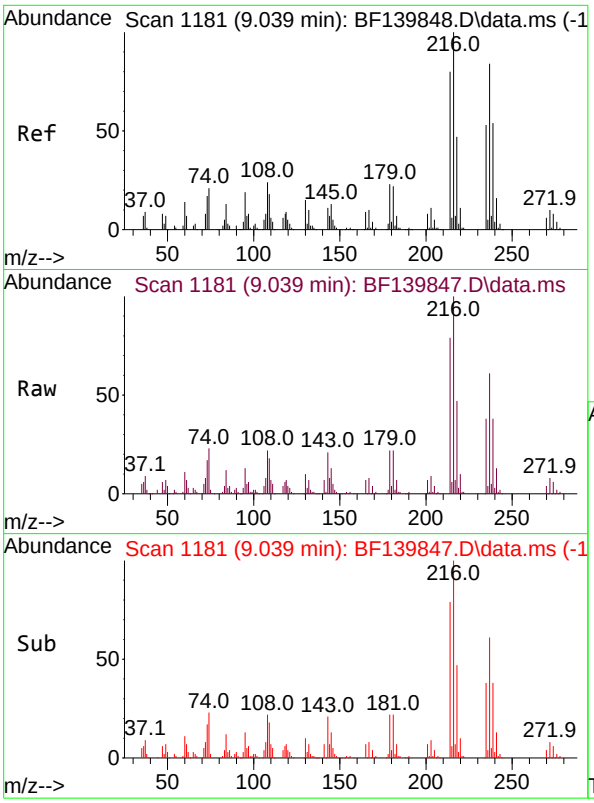


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.823 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:216 Resp: 232025

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.0
179	20.8	17.2	25.8
108	18.7	15.6	23.4



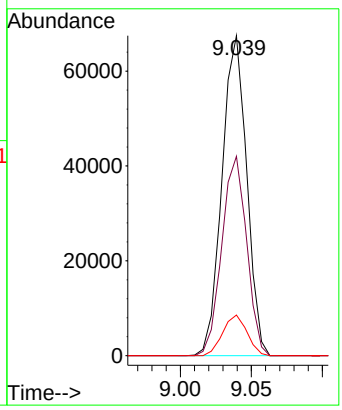


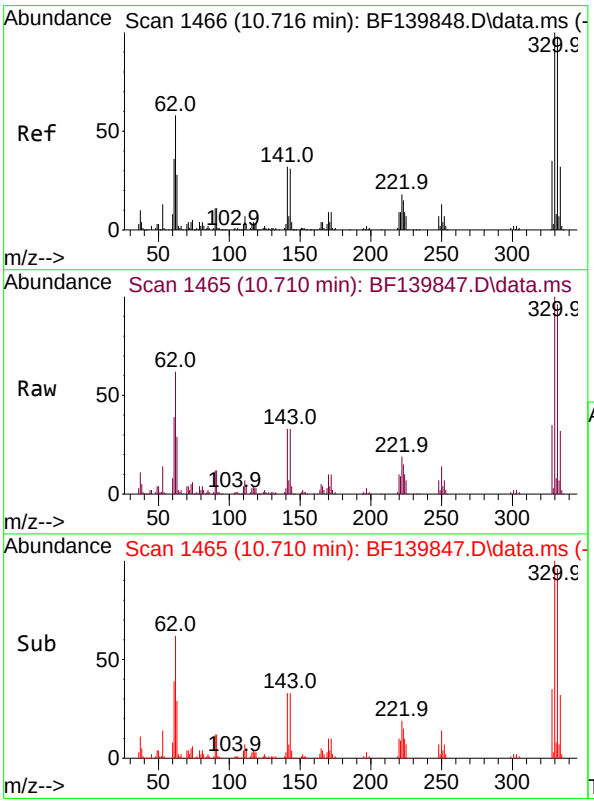
#41
Hexachlorocyclopentadiene
Concen: 21.041 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 81579

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.9	82.9
272	12.7	0.0	32.3

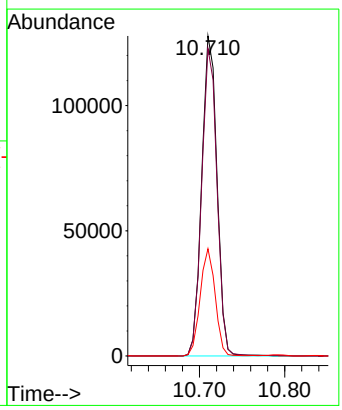


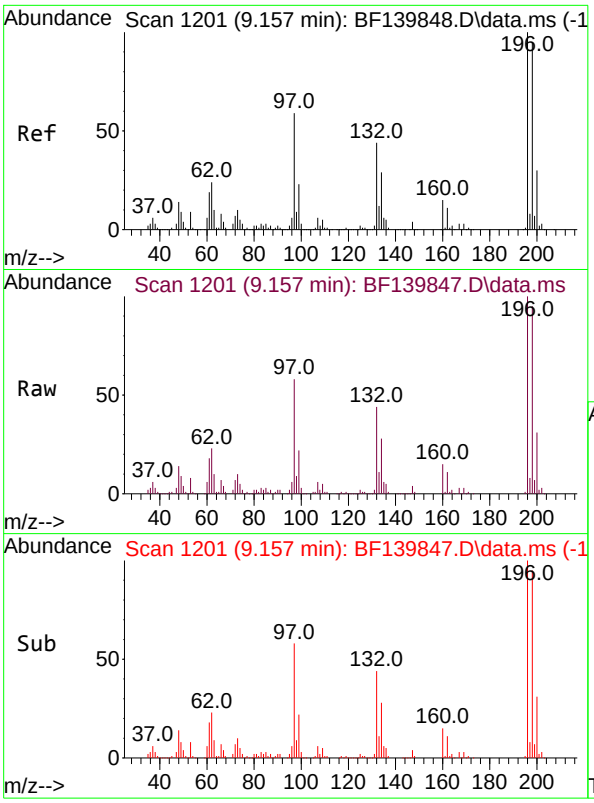


#42
2,4,6-Tribromophenol
Concen: 41.199 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:330 Resp: 159165

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.1	117.1
141	32.9	26.6	39.8



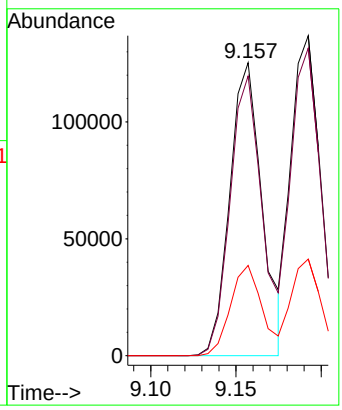


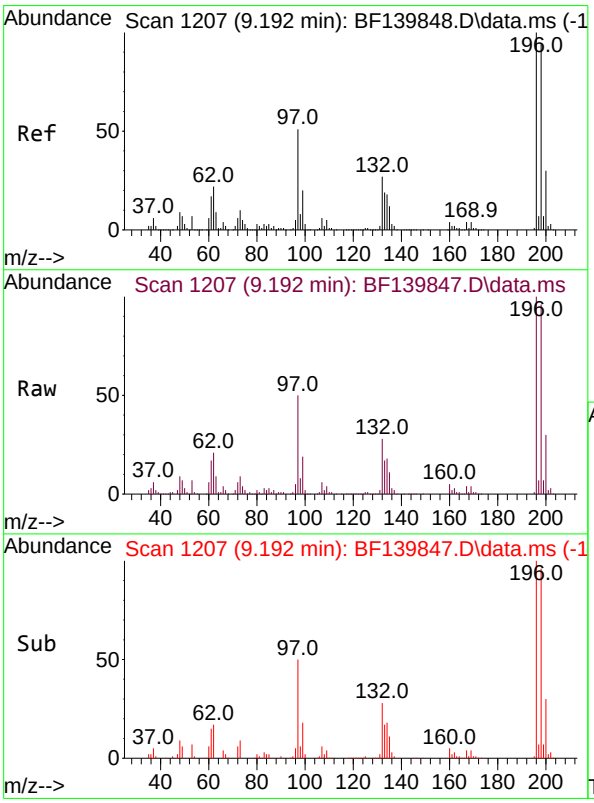
#43
2,4,6-Trichlorophenol
Concen: 20.930 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 165112

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.2	114.2
200	30.8	24.0	36.0

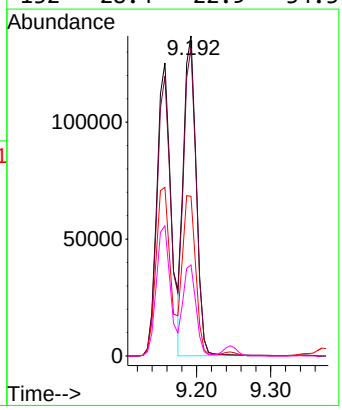


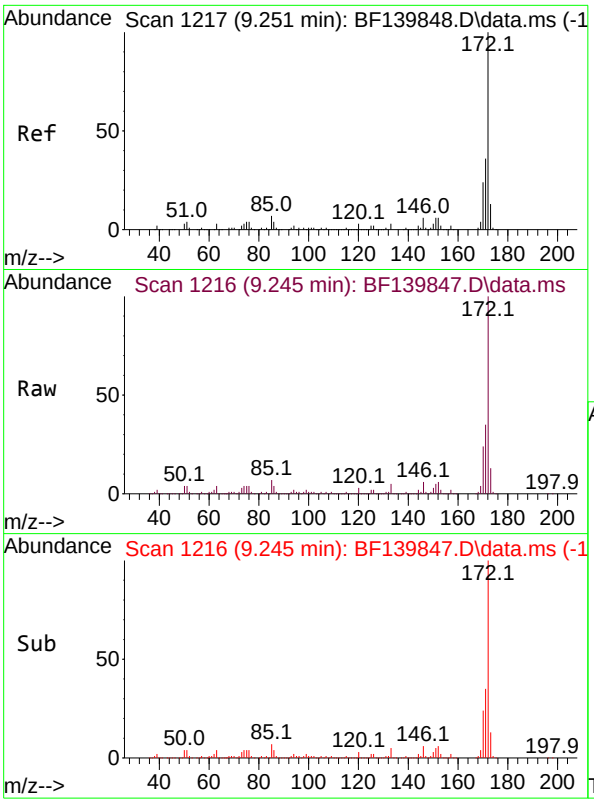


#44
2,4,5-Trichlorophenol
Concen: 20.213 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:196 Resp: 164517

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.8	113.6
97	49.9	41.8	62.6
132	28.4	22.9	34.3



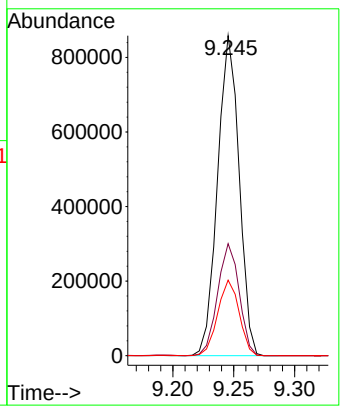


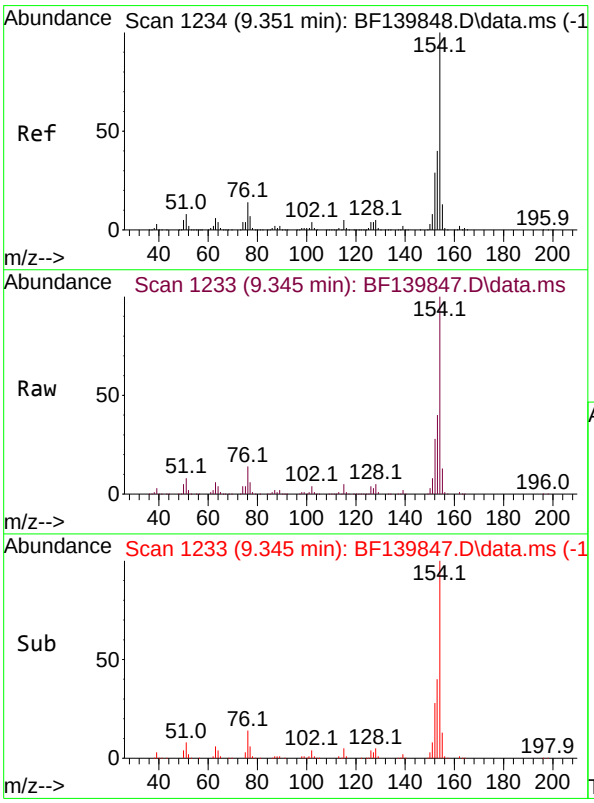
#45
2-Fluorobiphenyl
Concen: 42.316 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1057523

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.6	19.1	28.7

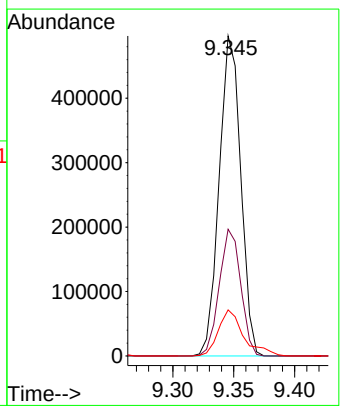


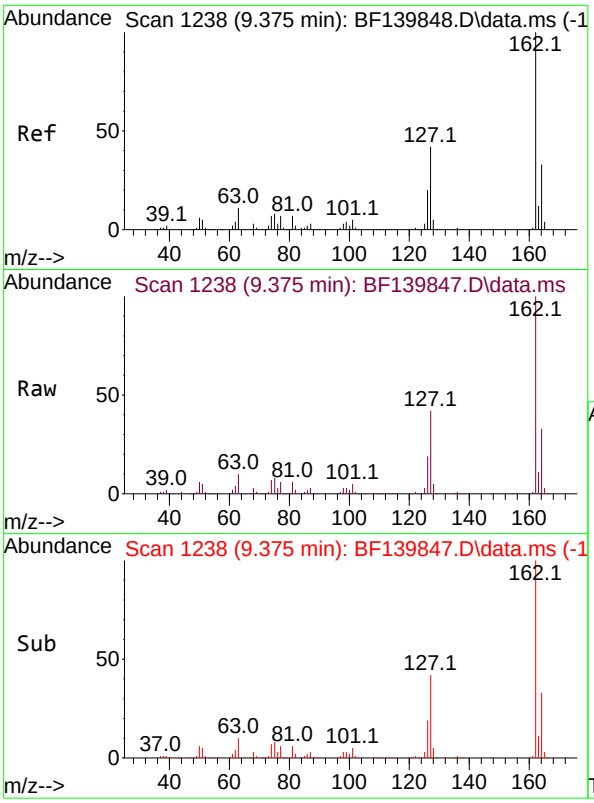


#46
1,1'-Biphenyl
Concen: 21.297 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:154 Resp: 612342

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.3	60.3
76	14.4	0.0	33.9



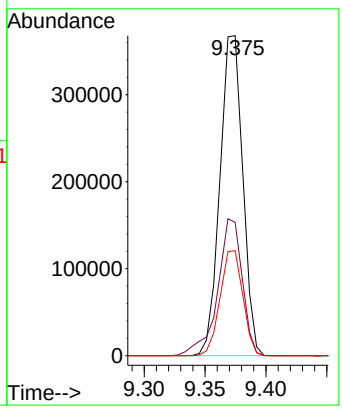


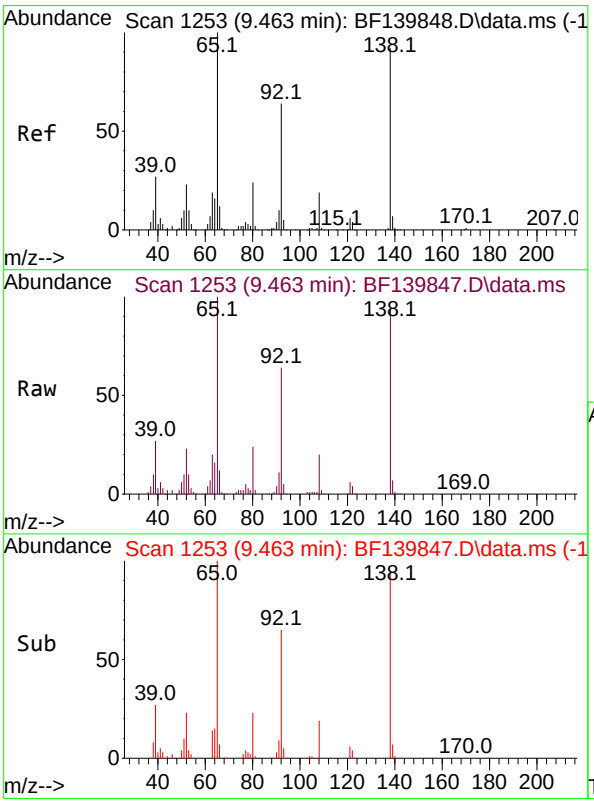
#47
2-Chloronaphthalene
Concen: 20.767 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 480916

Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.8	50.6
164	32.8	26.6	39.8

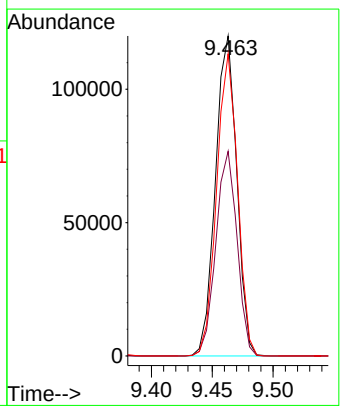


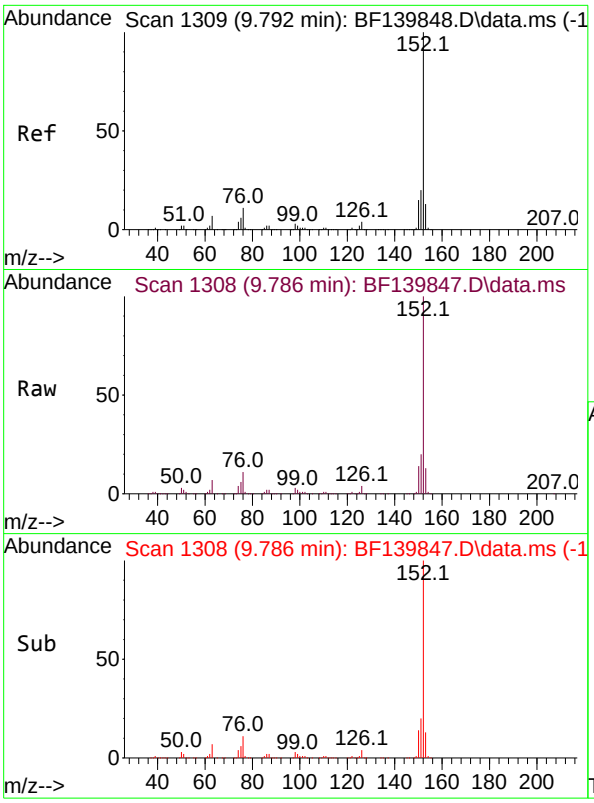


#48
2-Nitroaniline
Concen: 20.614 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion: 65 Resp: 146002

Ion	Ratio	Lower	Upper
65	100		
92	64.0	50.9	76.3
138	94.4	73.4	110.0



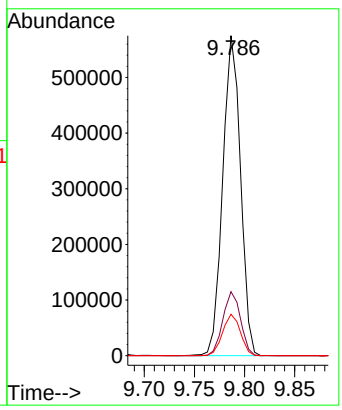


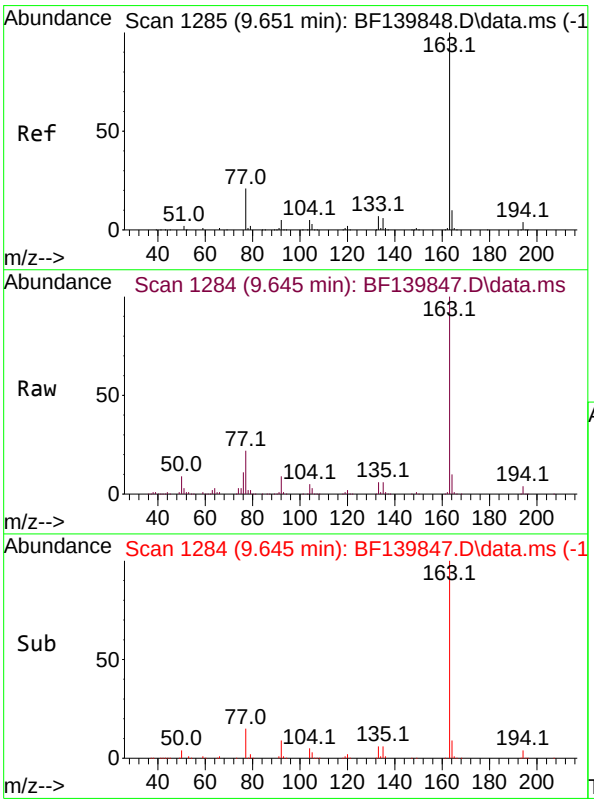
#49
Acenaphthylene
Concen: 21.182 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 709161

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.0	10.7	16.1

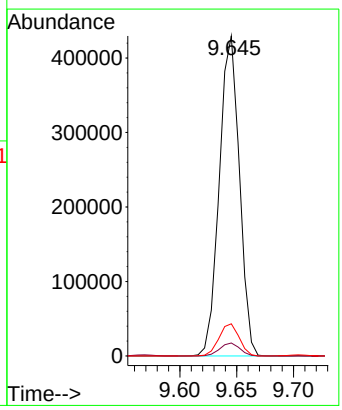


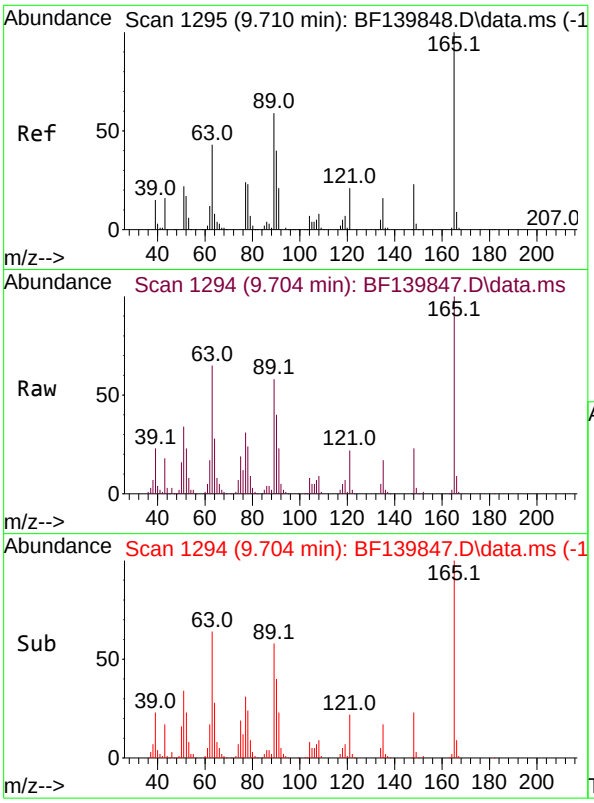


#50
Dimethylphthalate
Concen: 20.592 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:163 Resp: 529745

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.2



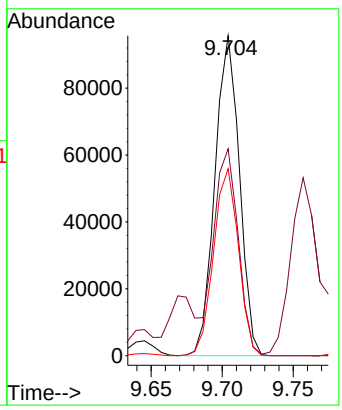


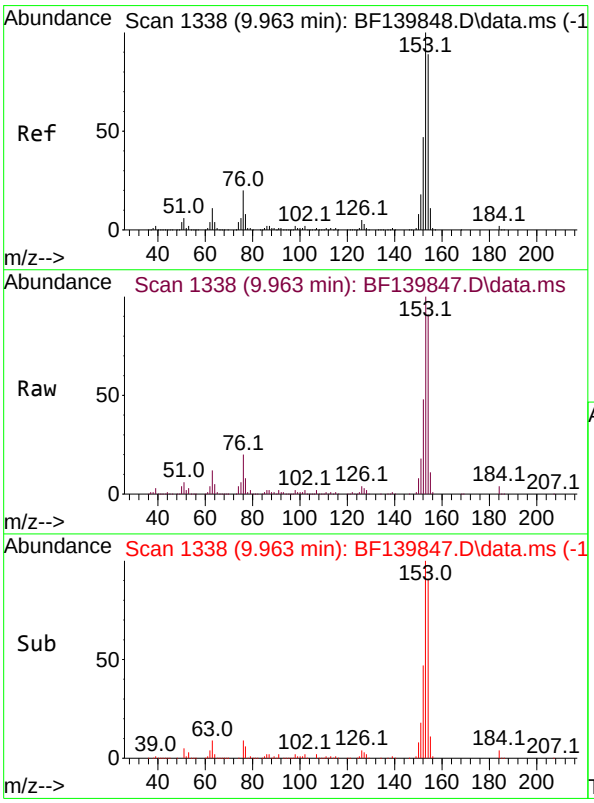
#51
2,6-Dinitrotoluene
Concen: 20.596 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 114726

Ion	Ratio	Lower	Upper
165	100		
63	64.6	50.6	75.8
89	58.4	47.5	71.3

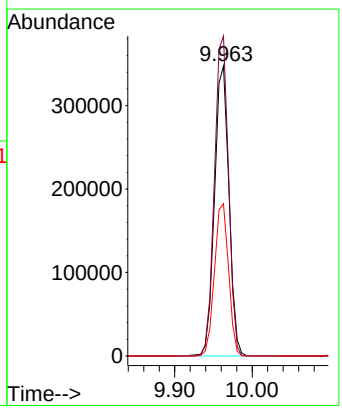


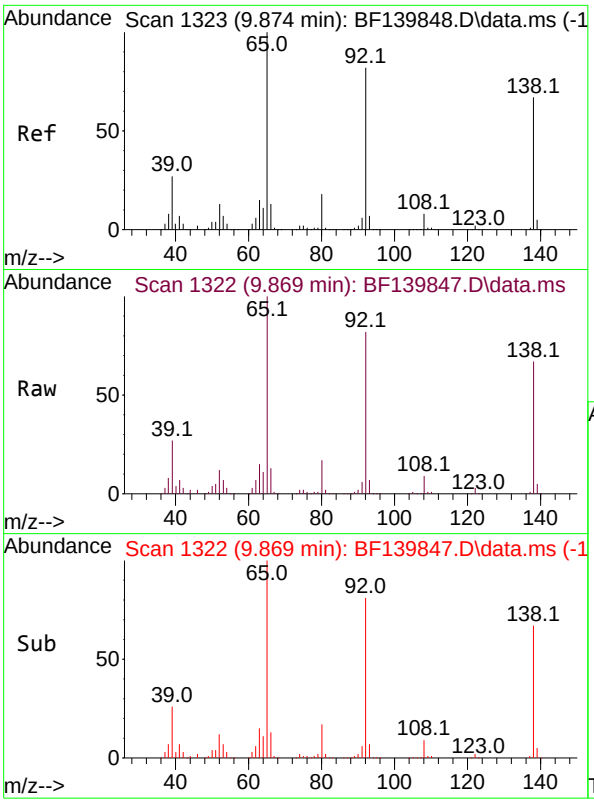


#52
Acenaphthene
Concen: 20.768 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:154 Resp: 449770

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.8	134.6
152	52.5	42.4	63.6



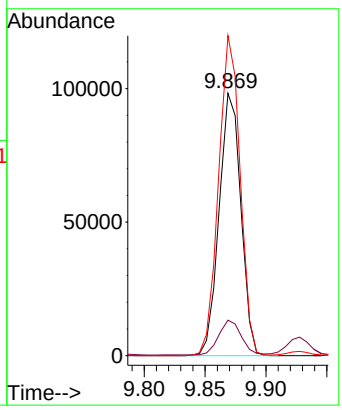


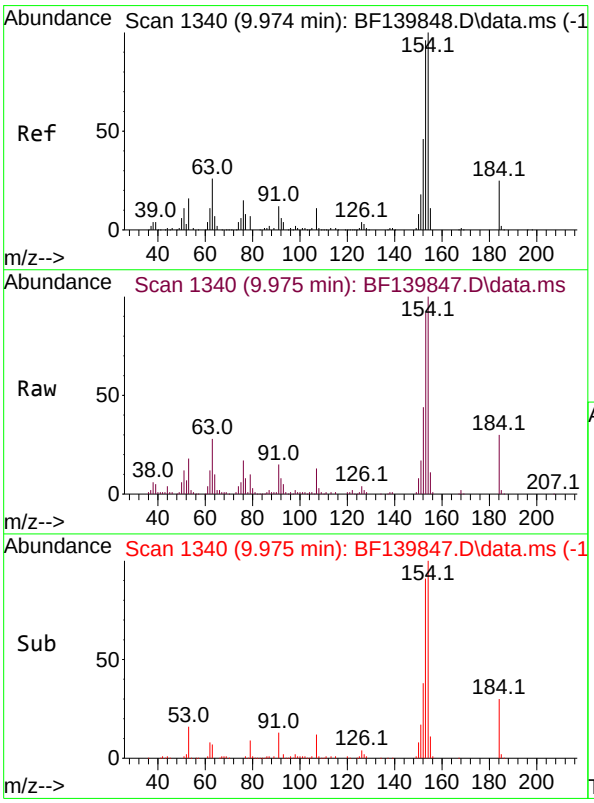
#53
3-Nitroaniline
Concen: 21.271 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 122186

Ion	Ratio	Lower	Upper
138	100		
108	13.5	10.2	15.2
92	121.9	98.3	147.5

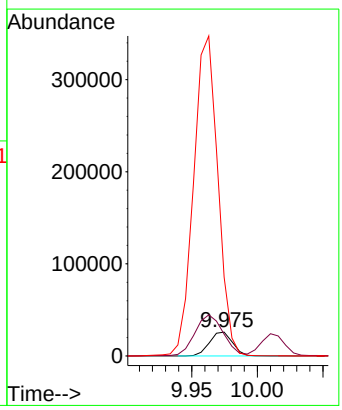


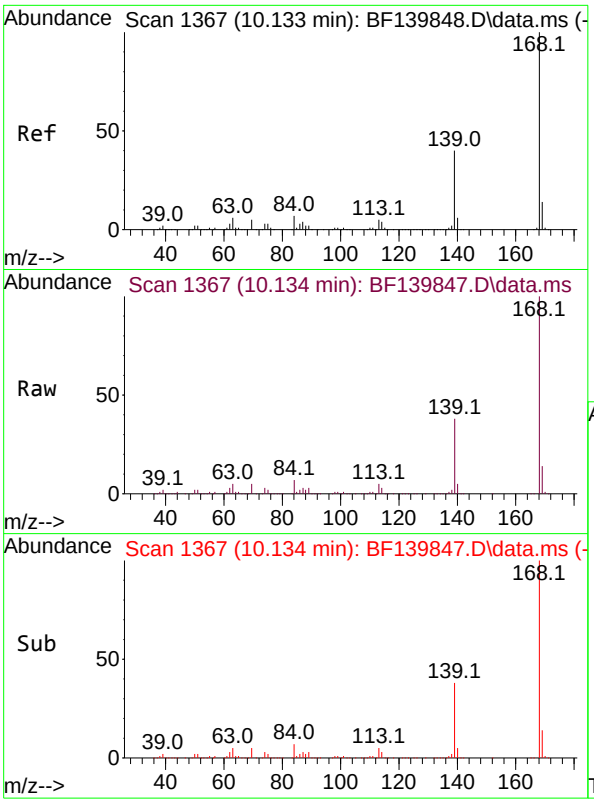


#54
2,4-Dinitrophenol
Concen: 19.148 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.001 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:184 Resp: 31801

Ion	Ratio	Lower	Upper
184	100		
63	91.3	84.7	127.1
154	331.4	338.2	507.2#



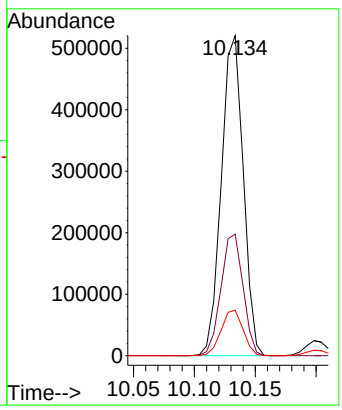


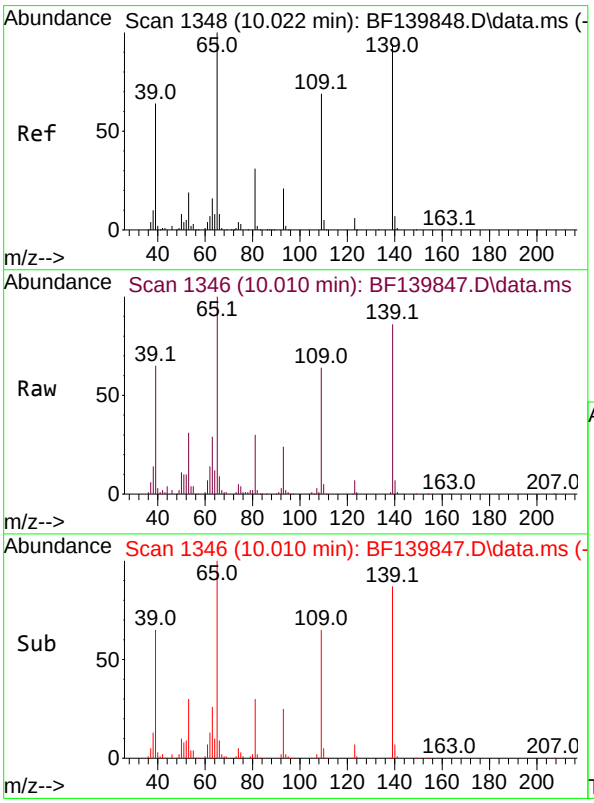
#55
Dibenzofuran
Concen: 20.991 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 652249

Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.8	47.6
169	14.2	11.6	17.4

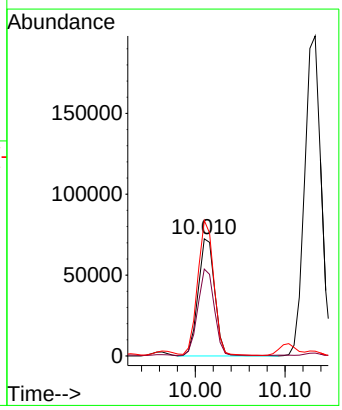


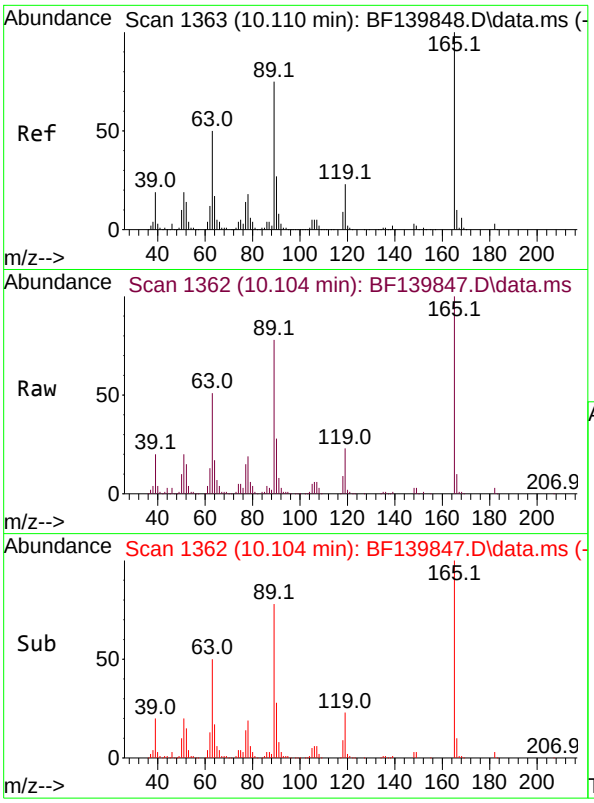


#56
4-Nitrophenol
Concen: 21.057 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:139 Resp: 93060

Ion	Ratio	Lower	Upper
139	100		
109	74.2	53.6	93.6
65	115.7	87.8	127.8



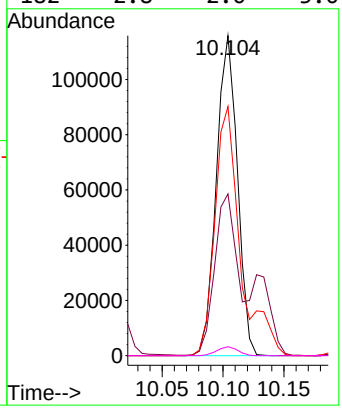


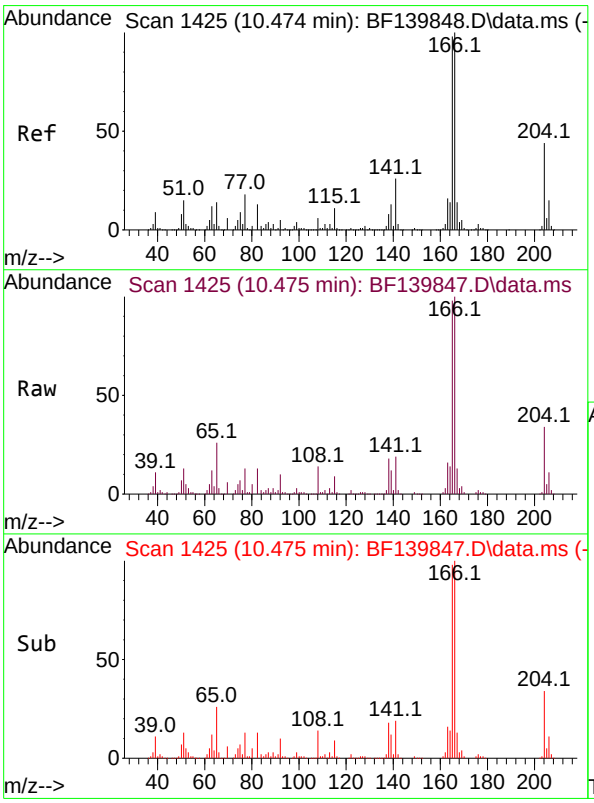
#57
2,4-Dinitrotoluene
Concen: 20.348 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 139381

Ion	Ratio	Lower	Upper
165	100		
63	50.6	40.1	60.1
89	77.9	60.4	90.6
182	2.8	2.0	3.0

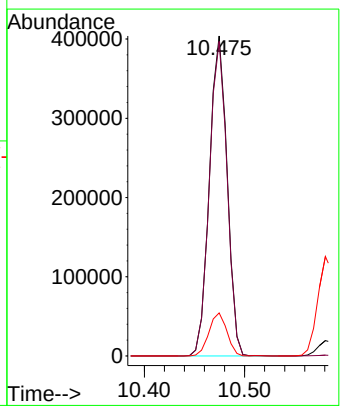


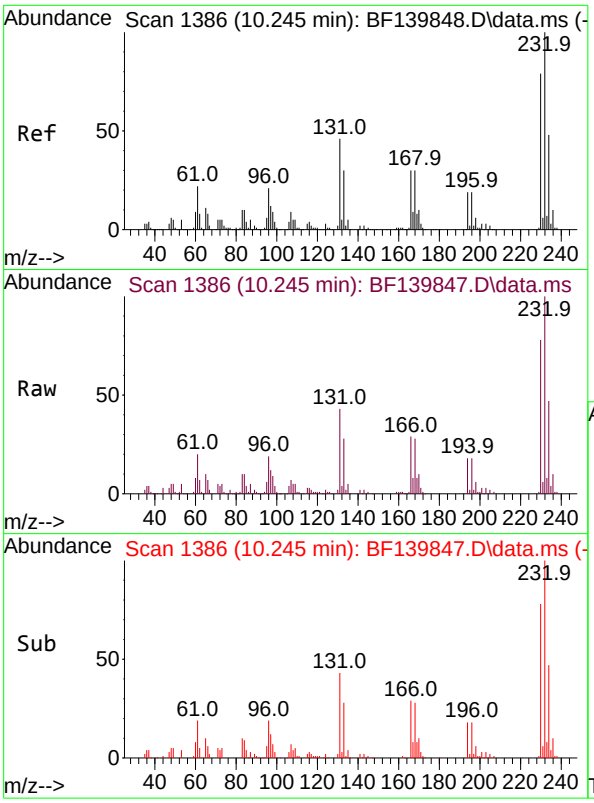


#58
Fluorene
Concen: 20.958 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:166 Resp: 496012

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.5	117.7
167	13.5	10.9	16.3



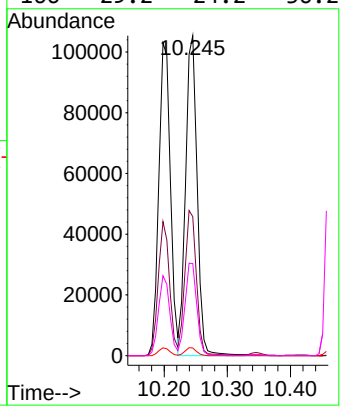


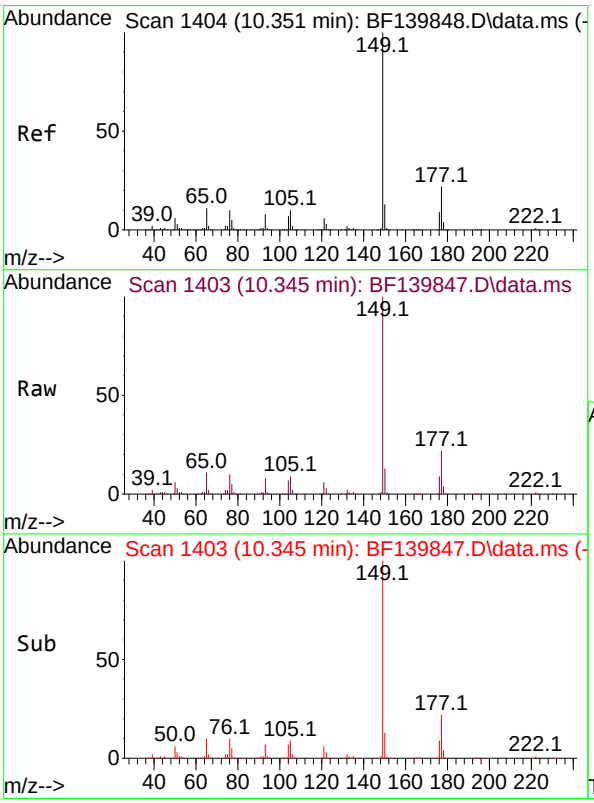
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.133 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 134842

Ion	Ratio	Lower	Upper
232	100		
131	45.1	37.0	55.6
130	2.5	1.9	2.9
166	29.2	24.2	36.2

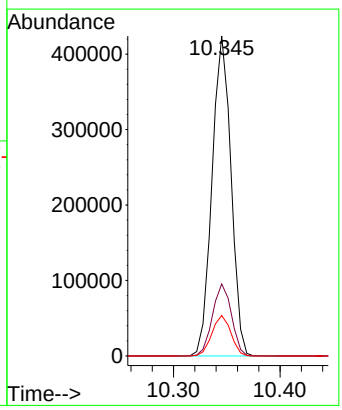


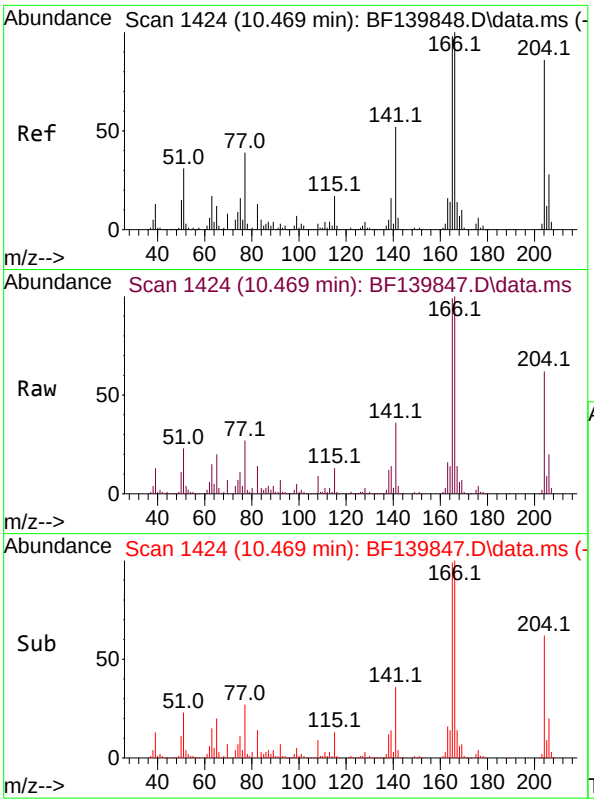


#60
Diethylphthalate
Concen: 20.723 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 523458

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.7	10.1	15.1



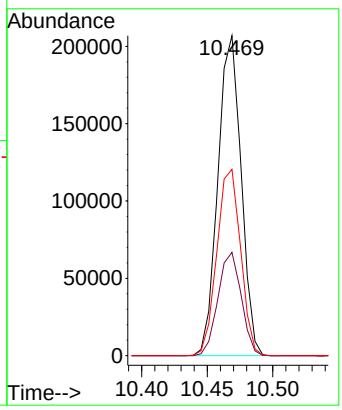


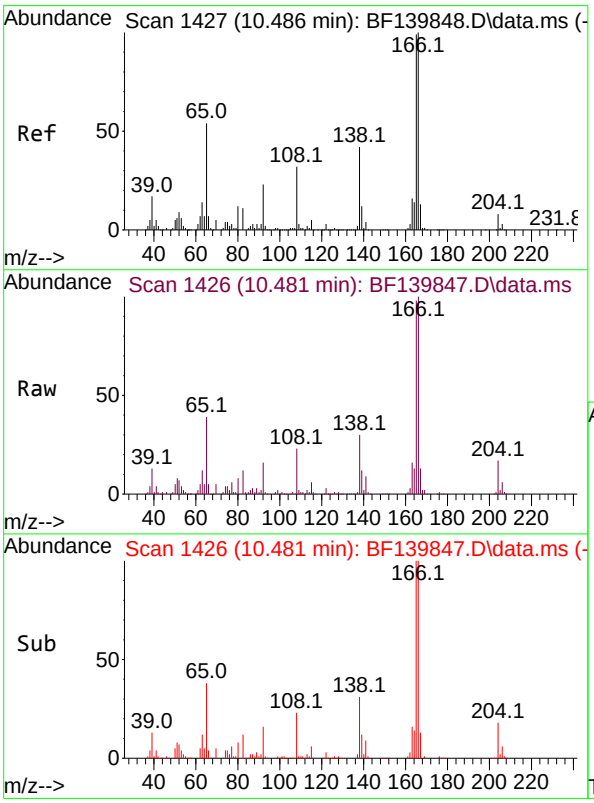
#61
4-Chlorophenyl-phenylether
Concen: 21.331 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 254950

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	58.3	48.6	73.0

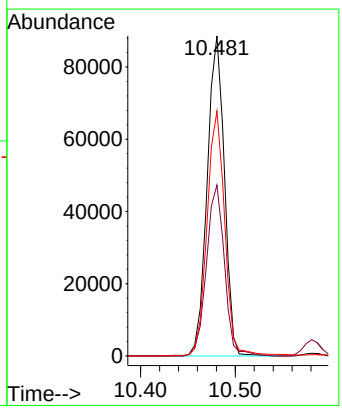


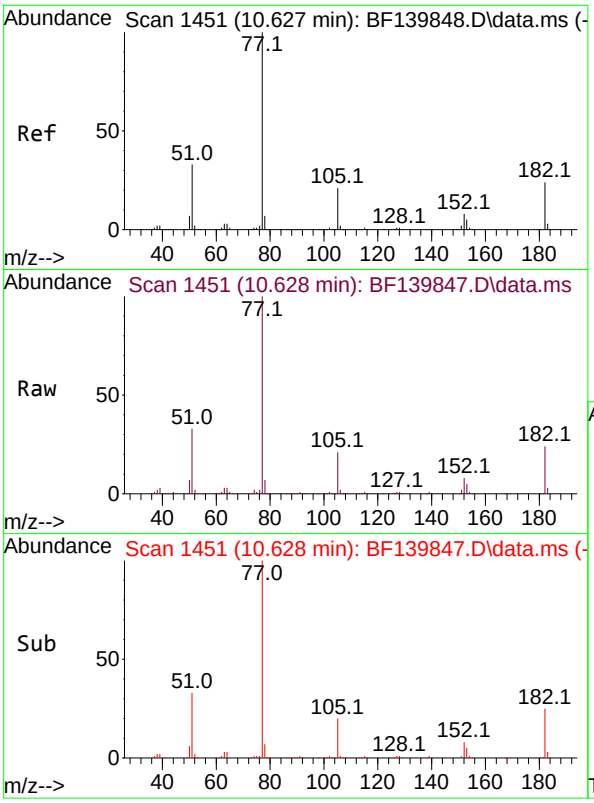


#62
4-Nitroaniline
Concen: 20.586 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:138 Resp: 111683

Ion	Ratio	Lower	Upper
138	100		
92	53.4	35.7	75.7
108	76.5	57.5	97.5



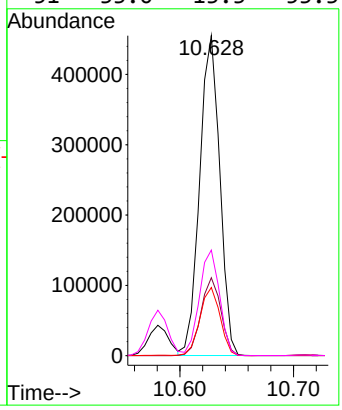


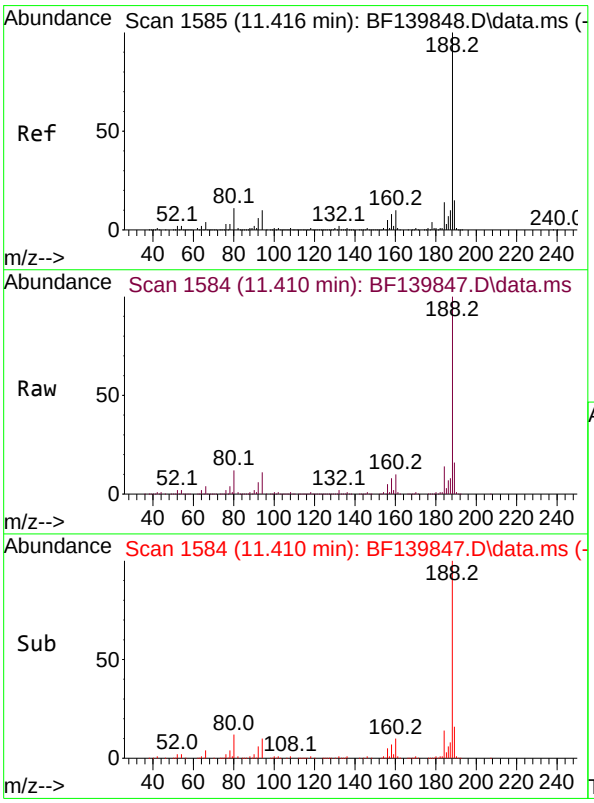
#63
Azobenzene
Concen: 20.906 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 559837

Ion	Ratio	Lower	Upper
77	100		
182	24.4	3.3	43.3
105	21.3	1.2	41.2
51	33.0	13.3	53.3

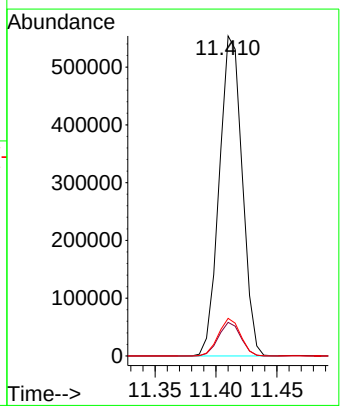


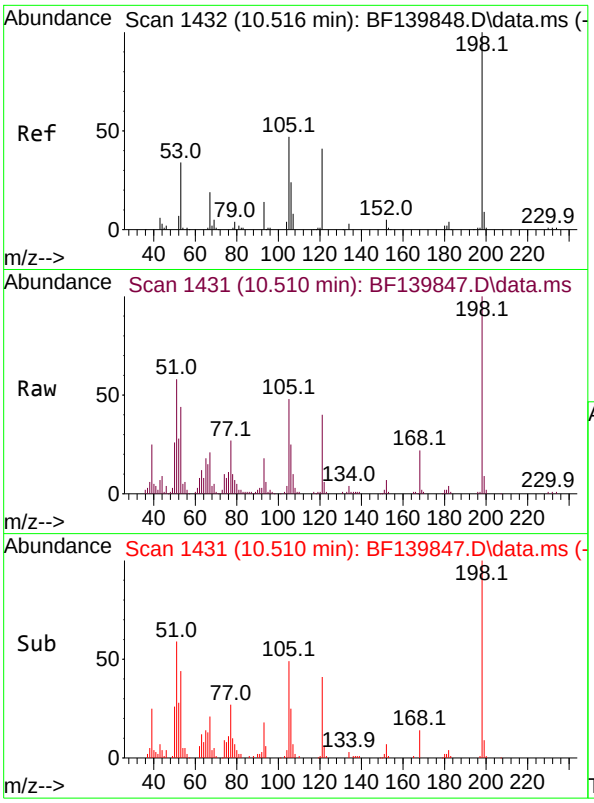


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:188 Resp: 724973

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.9	11.9
80	11.7	9.0	13.4



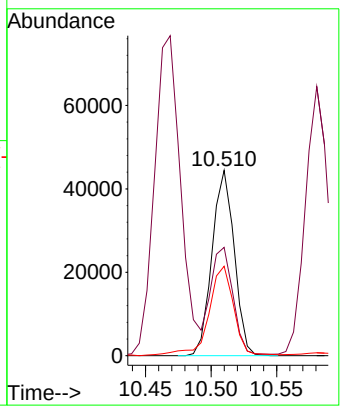


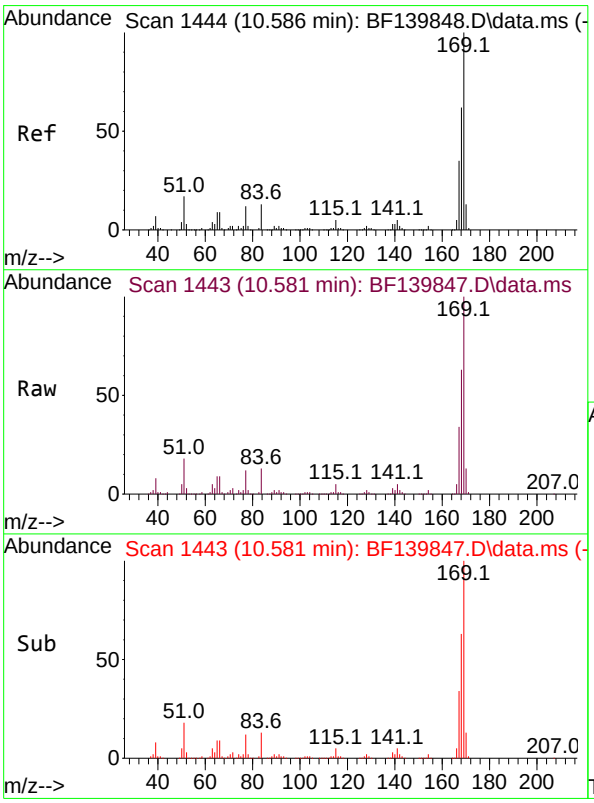
#65
4,6-Dinitro-2-methylphenol
Concen: 17.645 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 52180

Ion	Ratio	Lower	Upper
198	100		
51	58.5	38.2	78.2
105	48.3	27.9	67.9

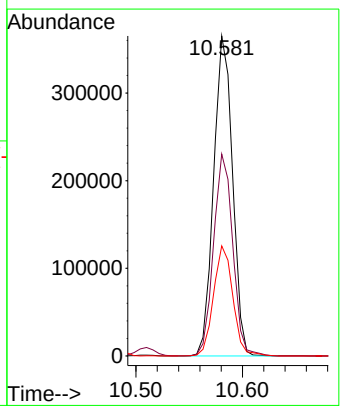


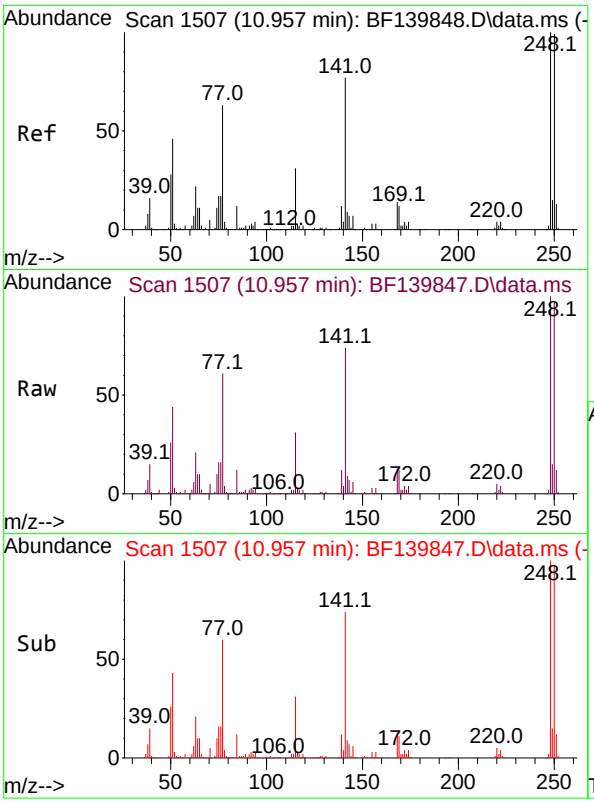


#66
n-Nitrosodiphenylamine
Concen: 20.736 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:169 Resp: 449925

Ion	Ratio	Lower	Upper
169	100		
168	63.1	49.8	74.6
167	34.4	28.0	42.0



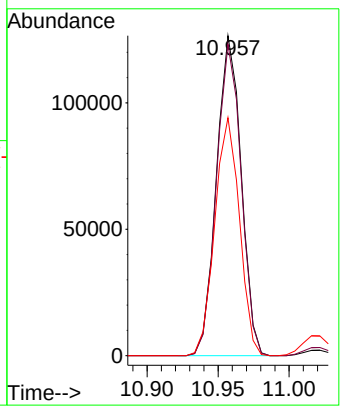


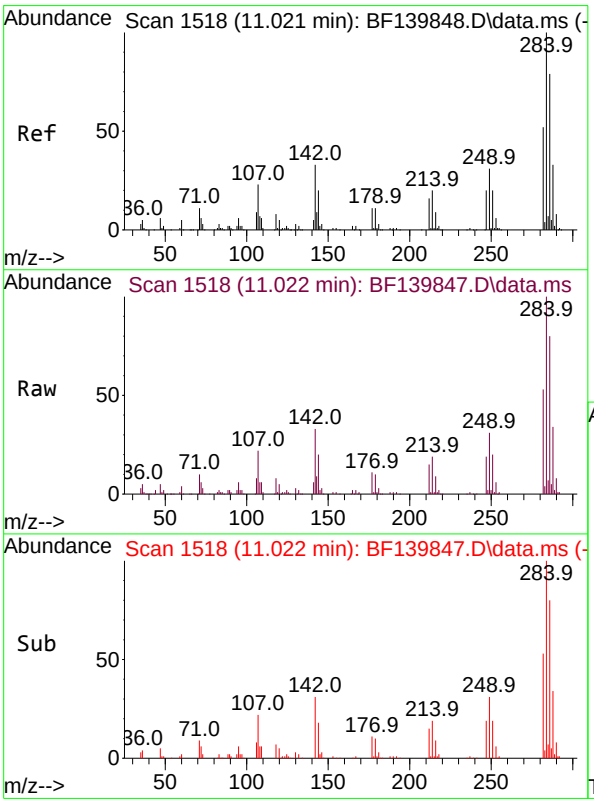
#67
4-Bromophenyl-phenylether
Concen: 20.512 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 153196

Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.0	118.6
141	74.3	61.7	92.5

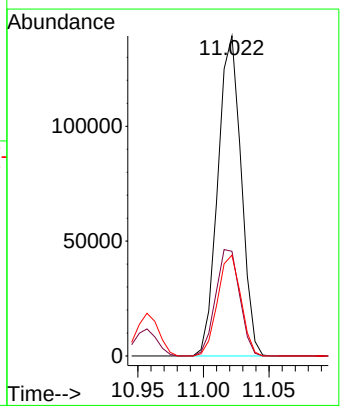


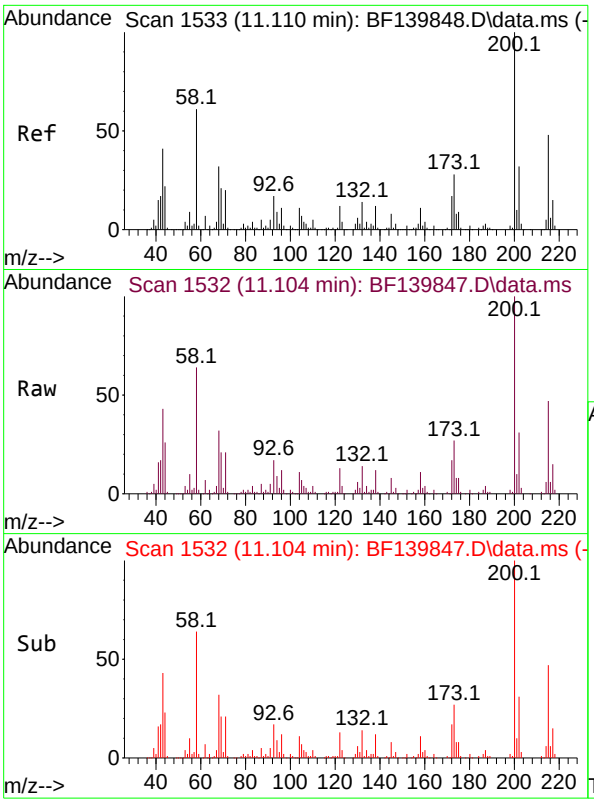


#68
Hexachlorobenzene
Concen: 20.488 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:284 Resp: 172091

Ion	Ratio	Lower	Upper
284	100		
142	32.7	26.9	40.3
249	31.5	25.3	37.9



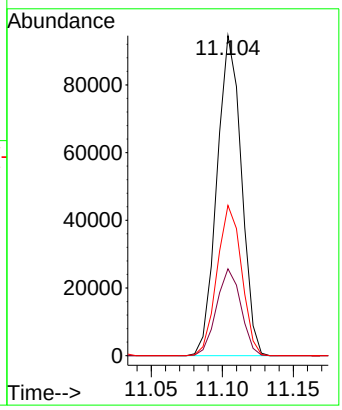


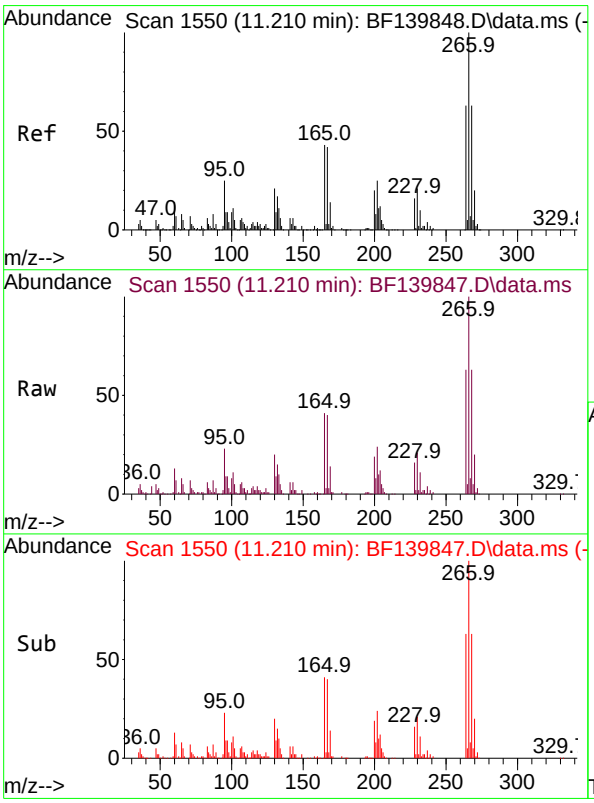
#69
Atrazine
Concen: 19.240 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 113089

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.7	47.7
215	46.9	27.7	67.7

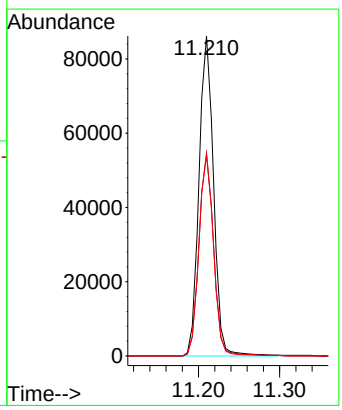


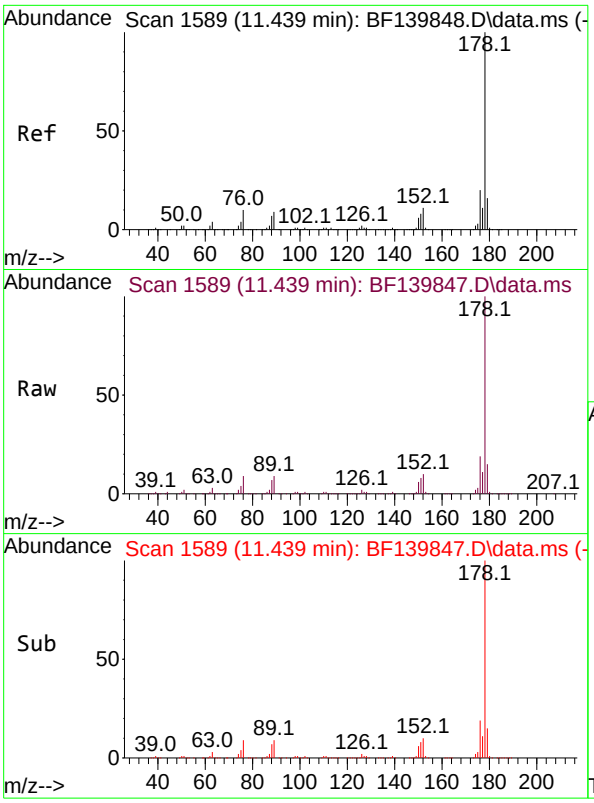


#70
Pentachlorophenol
Concen: 21.106 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:266 Resp: 107595

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.4	75.6
264	62.8	50.6	75.8



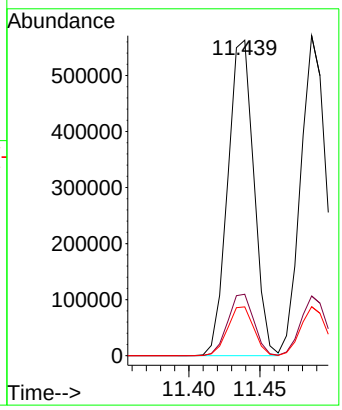


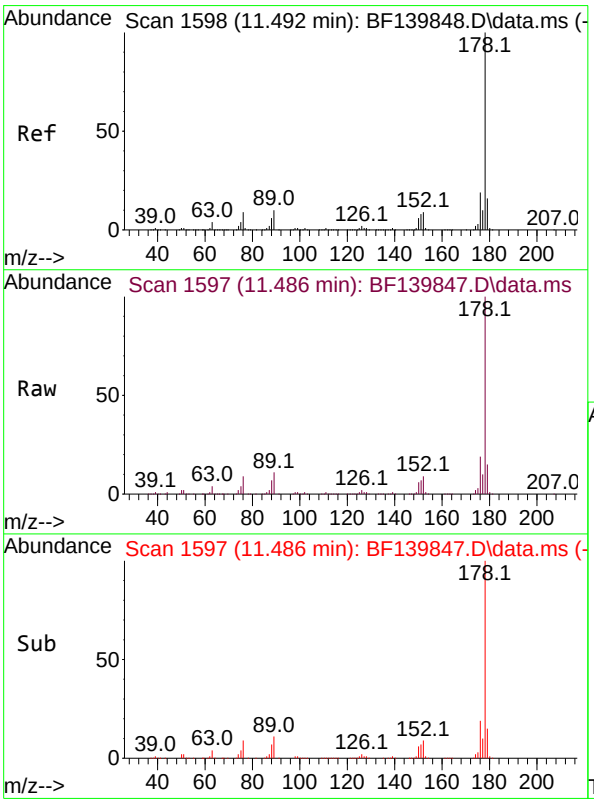
#71
Phenanthrene
Concen: 21.036 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 720363

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.5	12.6	18.8

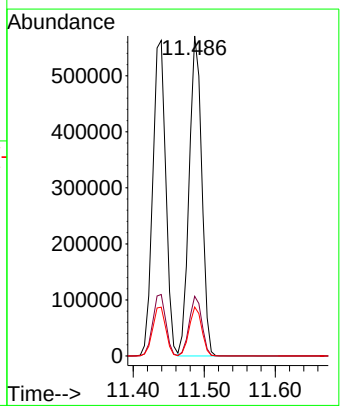


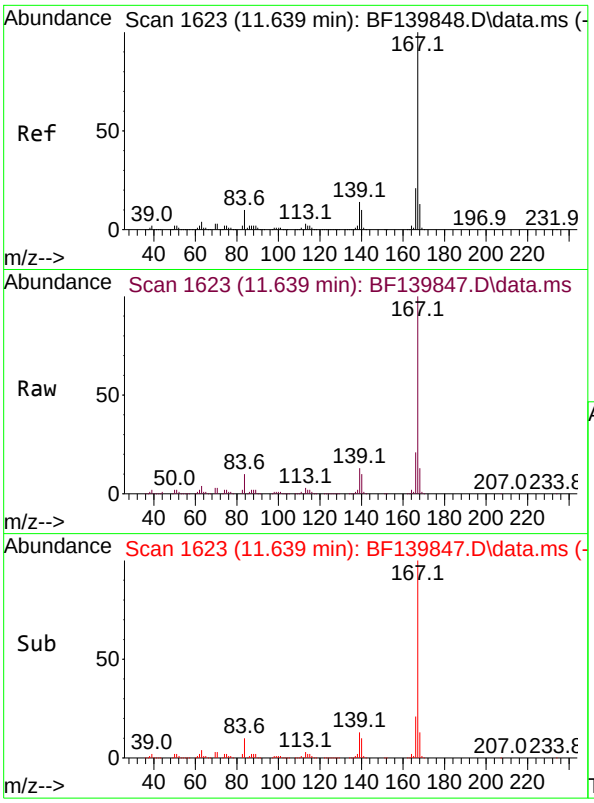


#72
Anthracene
Concen: 21.083 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:178 Resp: 704417

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.3	12.4	18.6



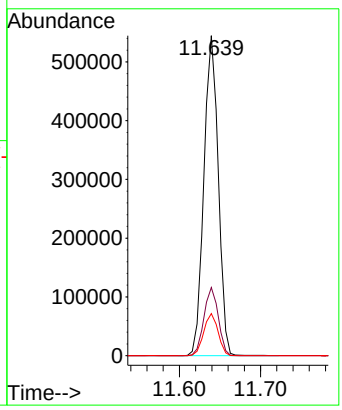


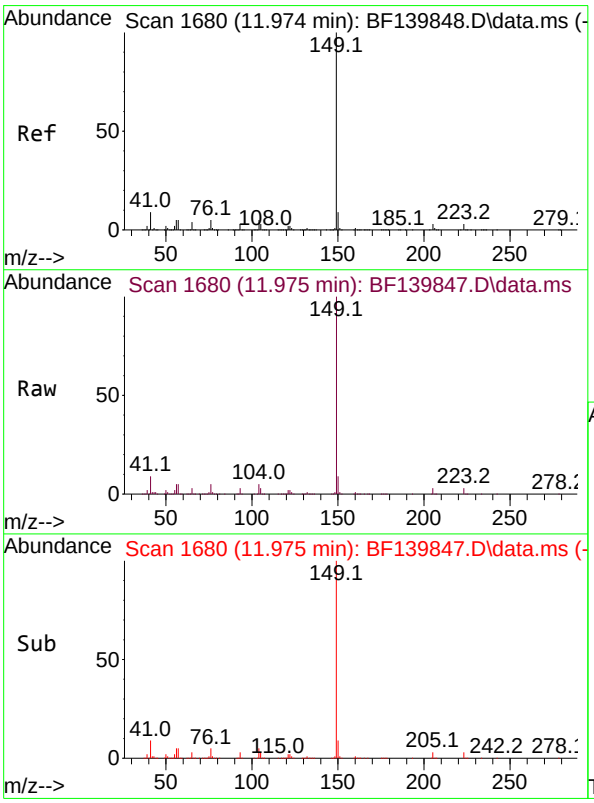
#73
Carbazole
Concen: 21.540 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 669328

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.1	10.8	16.2

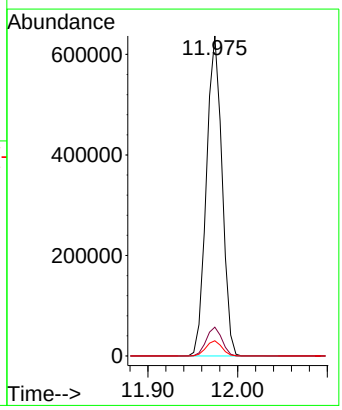


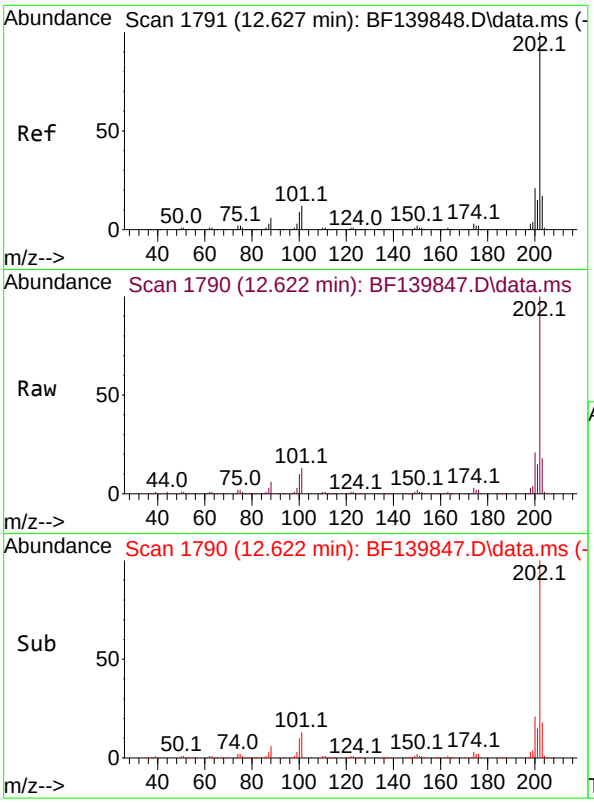


#74
Di-n-butylphthalate
Concen: 21.442 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 769779

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.8	4.1	6.1



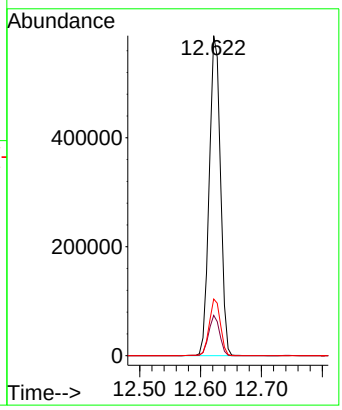


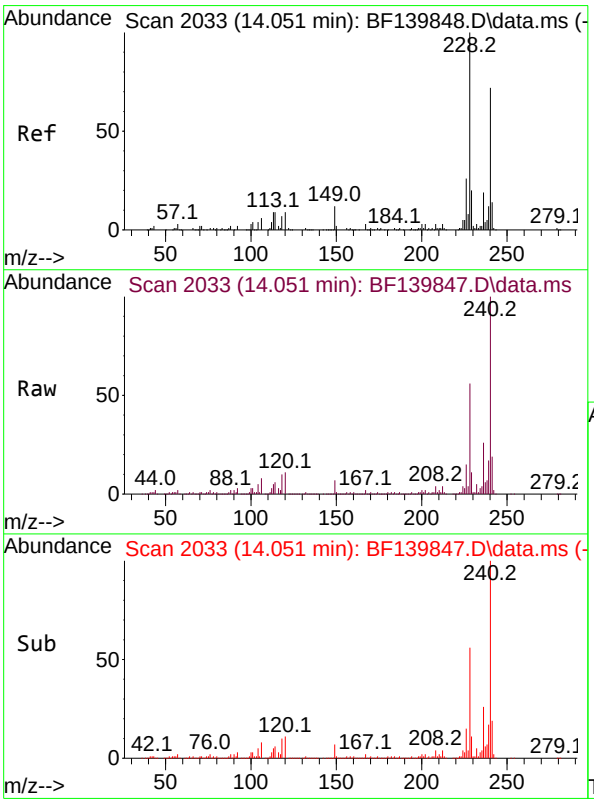
#75
Fluoranthene
Concen: 21.703 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 751337

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.9
203	17.7	0.0	37.5

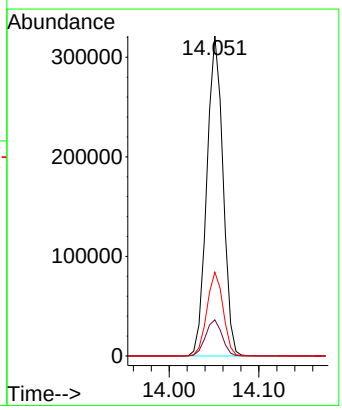


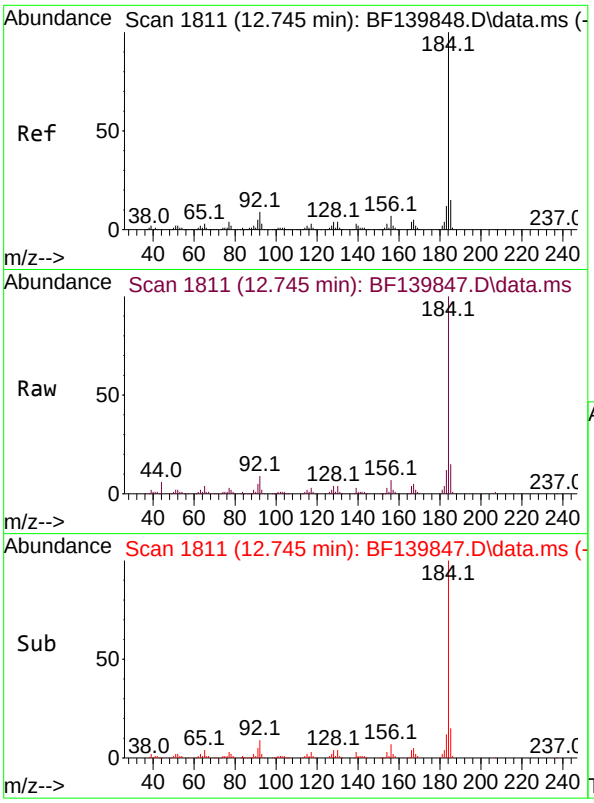


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:240 Resp: 402251

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.4	14.2
236	26.2	20.9	31.3



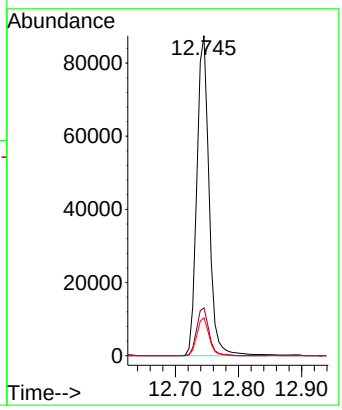


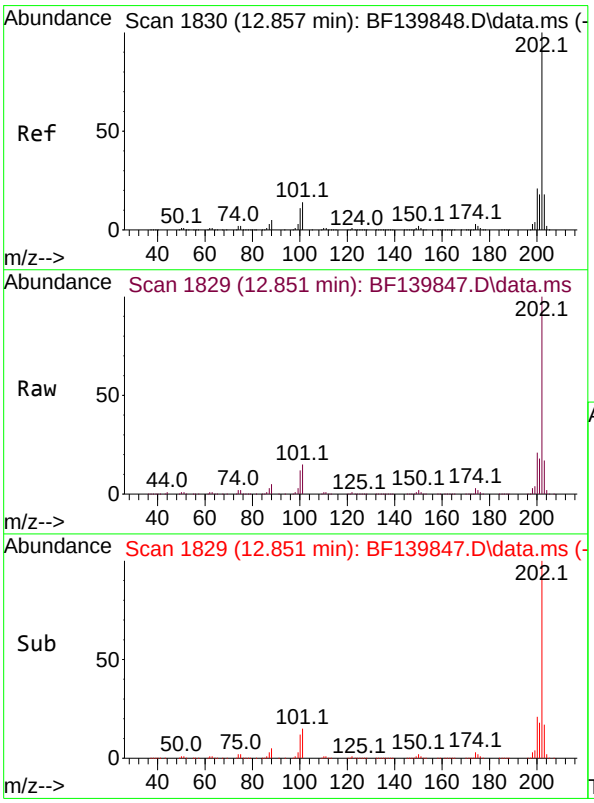
#77
Benzidine
Concen: 18.042 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 118035

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.0	18.0
183	11.8	9.4	14.2

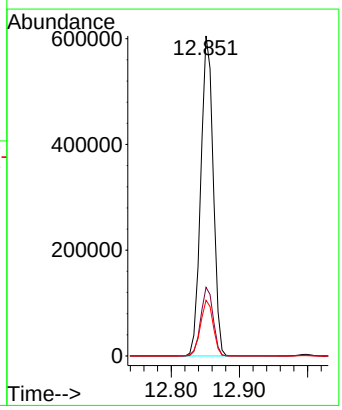


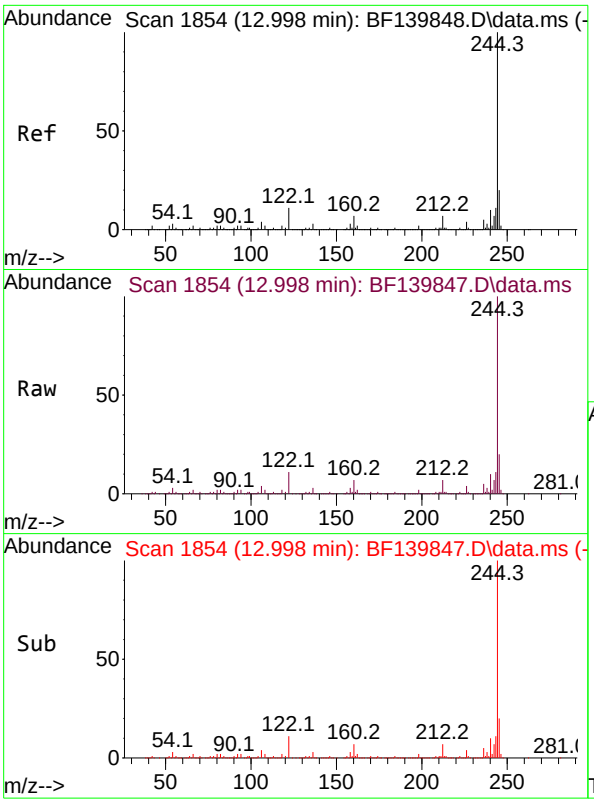


#78
Pyrene
Concen: 21.700 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:202 Resp: 764077

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.4	14.2	21.4



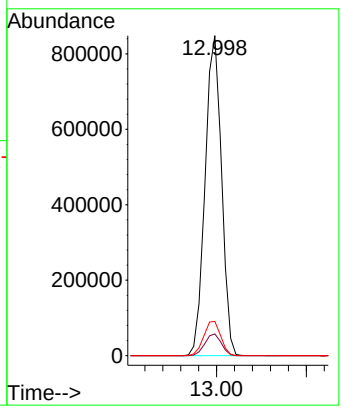


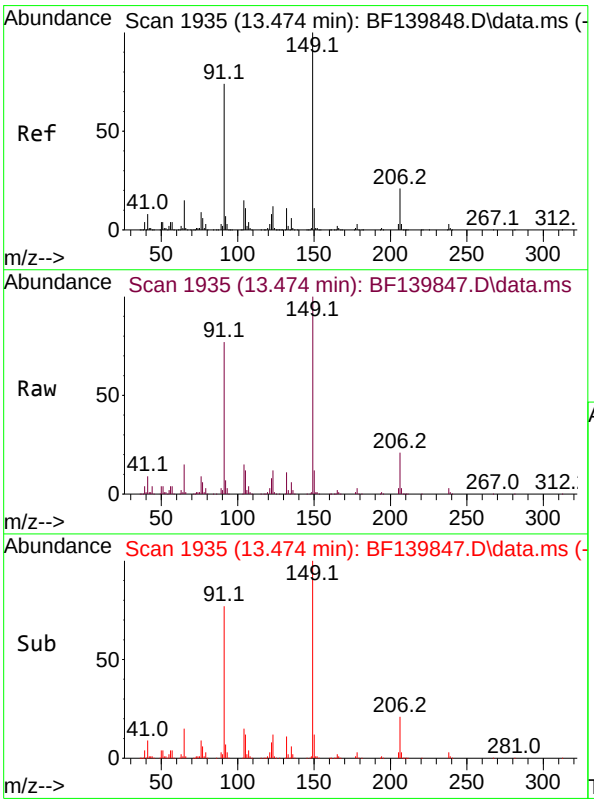
#79
Terphenyl-d14
Concen: 43.673 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1078101

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.7	8.6	13.0

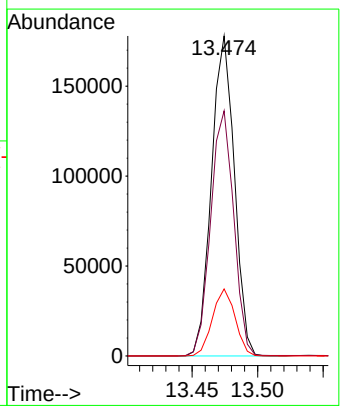


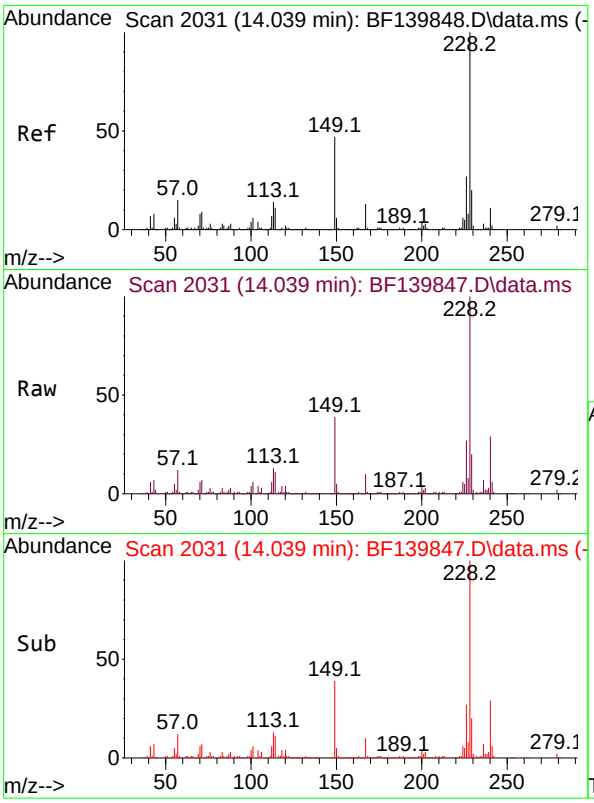


#80
Butylbenzylphthalate
Concen: 20.432 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 215683

Ion	Ratio	Lower	Upper
149	100		
91	76.6	59.4	89.2
206	20.9	16.4	24.6



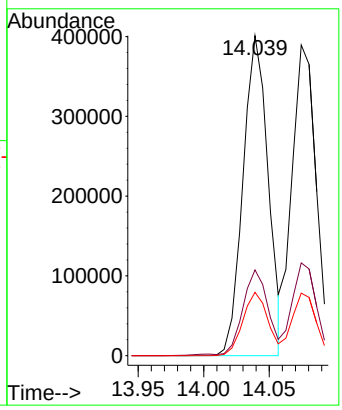


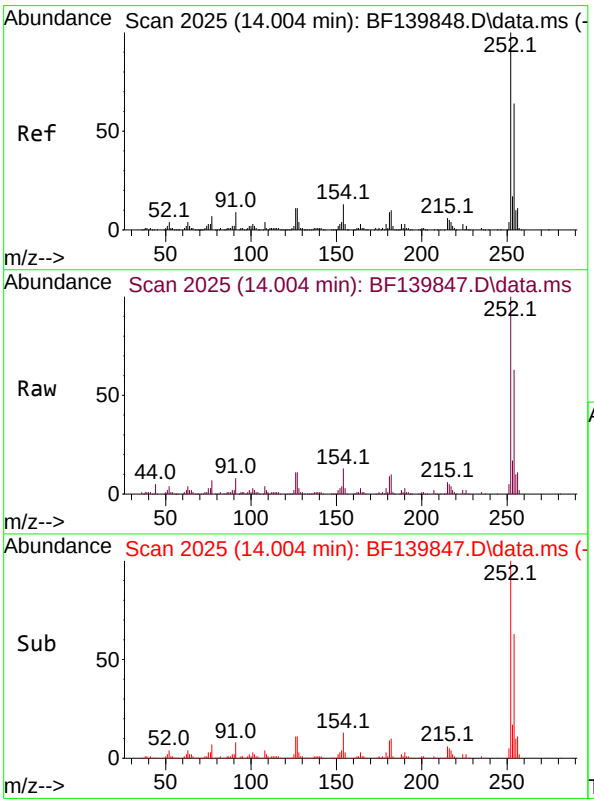
#81
Benzo(a)anthracene
Concen: 20.413 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 534525

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.6	32.4
229	19.8	16.1	24.1

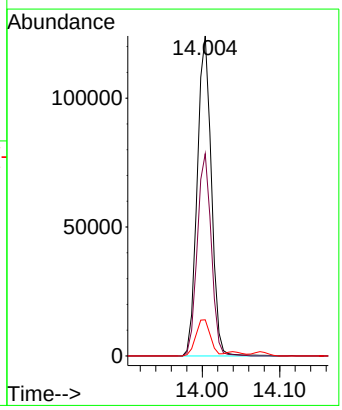


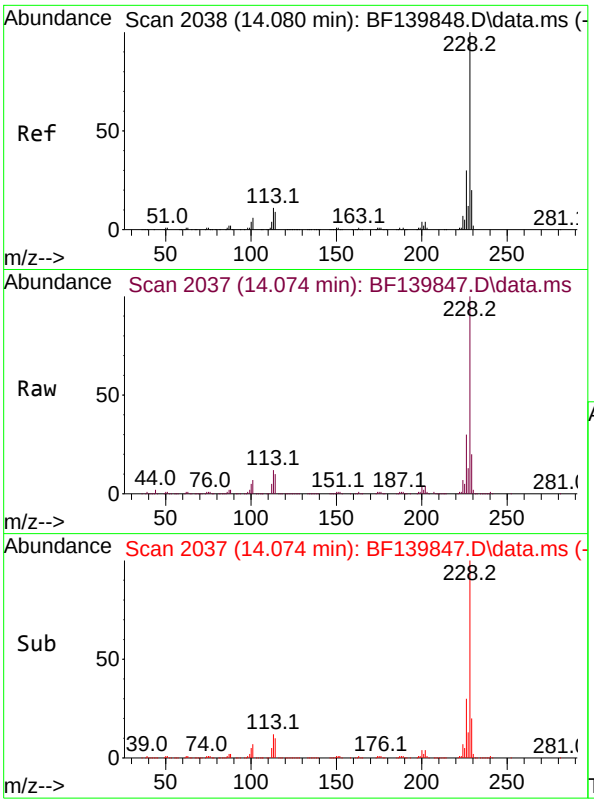


#82
3,3'-Dichlorobenzidine
Concen: 20.534 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 156770

Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.8	76.2
126	11.3	8.9	13.3



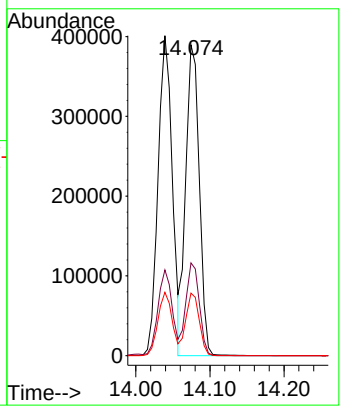


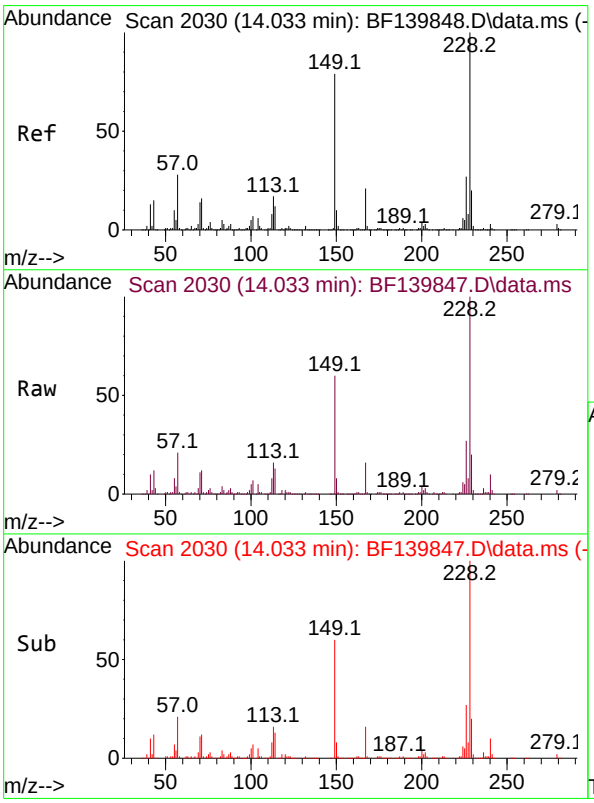
#83
Chrysene
Concen: 20.678 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 496447

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	20.1	15.8	23.6

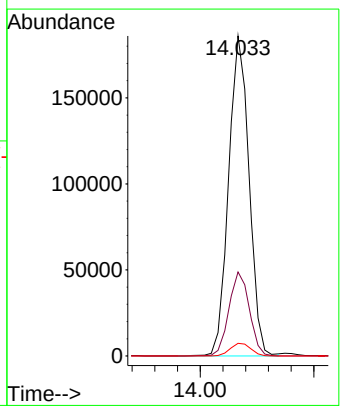


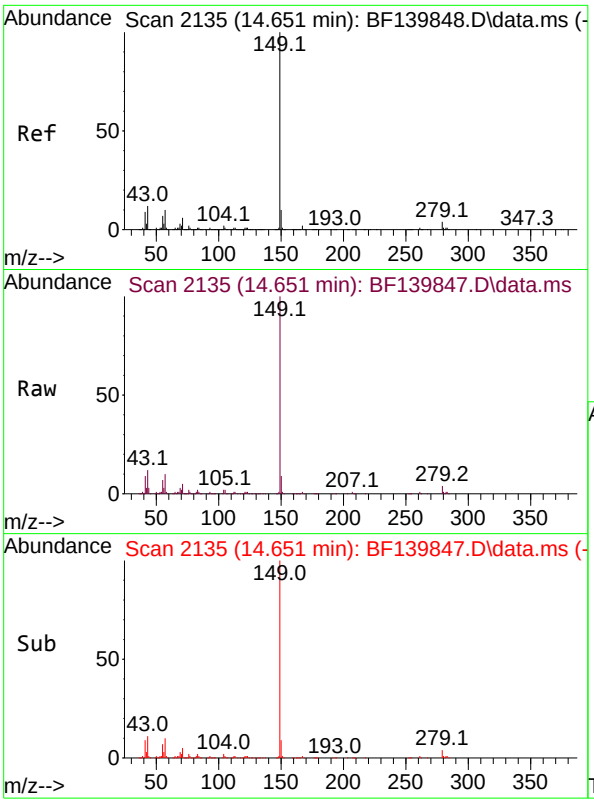


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.606 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:149 Resp: 232200

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.0
279	4.0	3.0	4.4



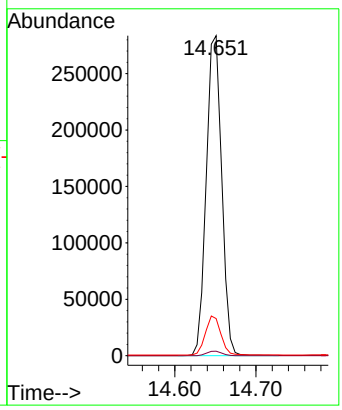


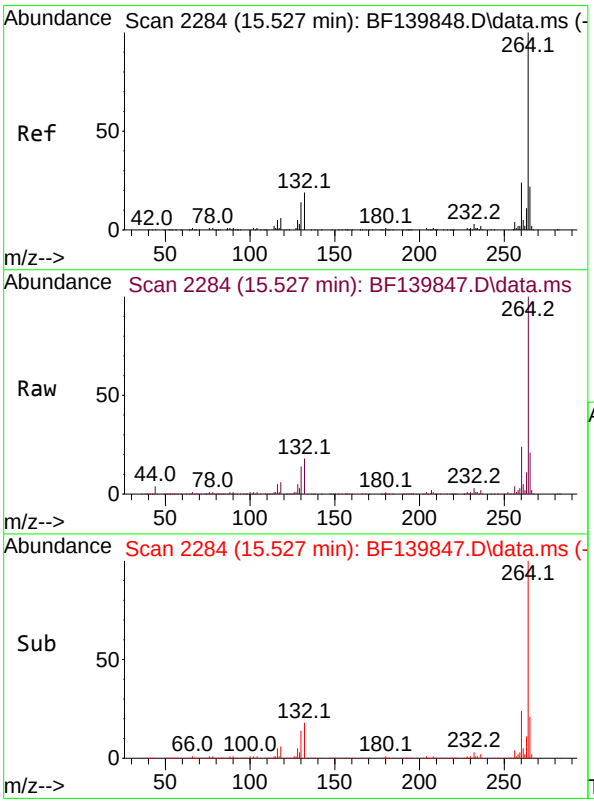
#85
Di-n-octyl phthalate
Concen: 17.359 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 373952

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	12.2	9.8	14.6

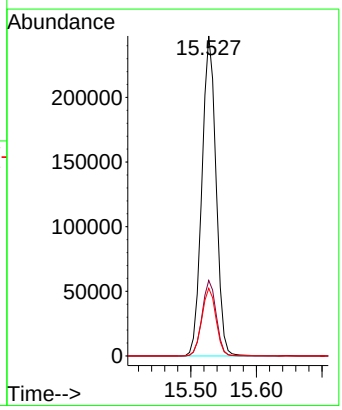


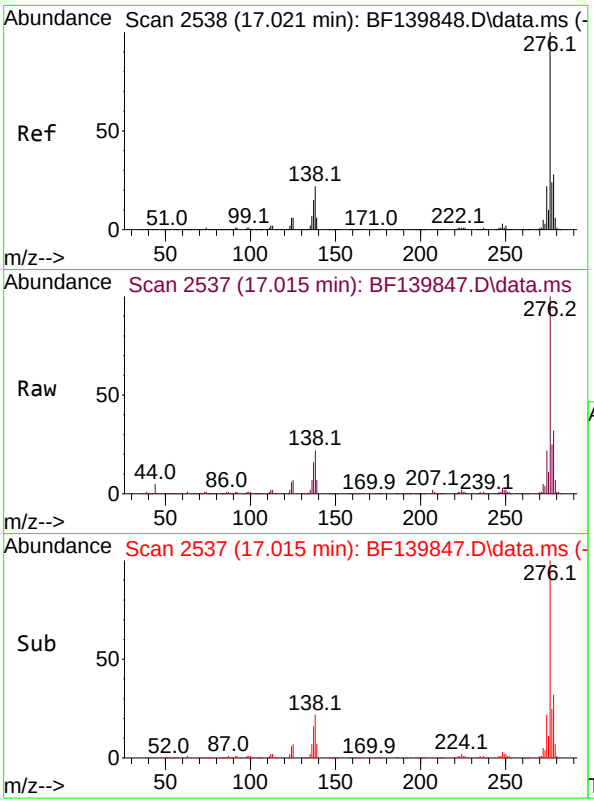


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:264 Resp: 371811

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.1	17.4	26.0



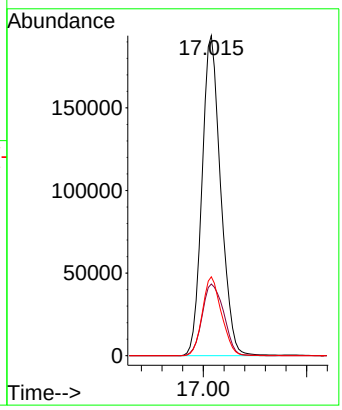


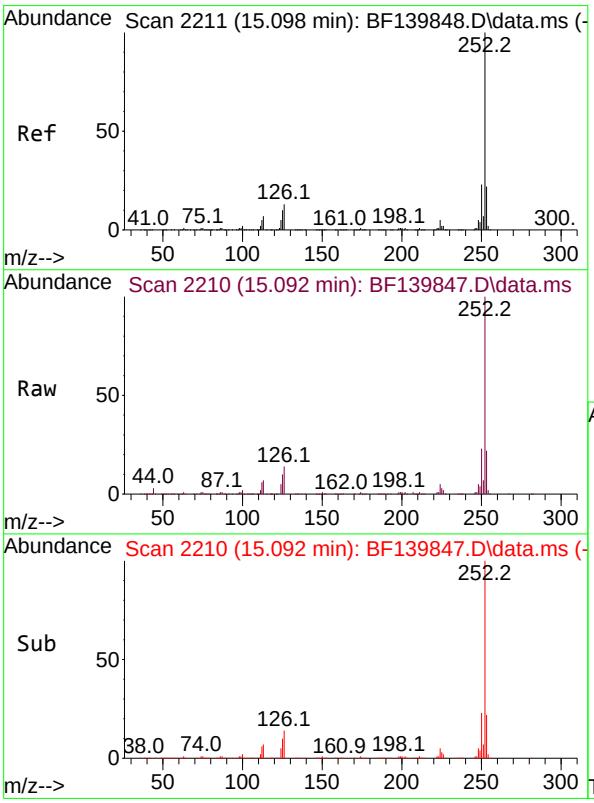
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.312 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 485858

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.4	30.6
277	25.2	20.2	30.4

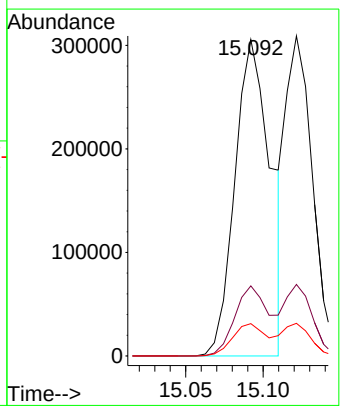


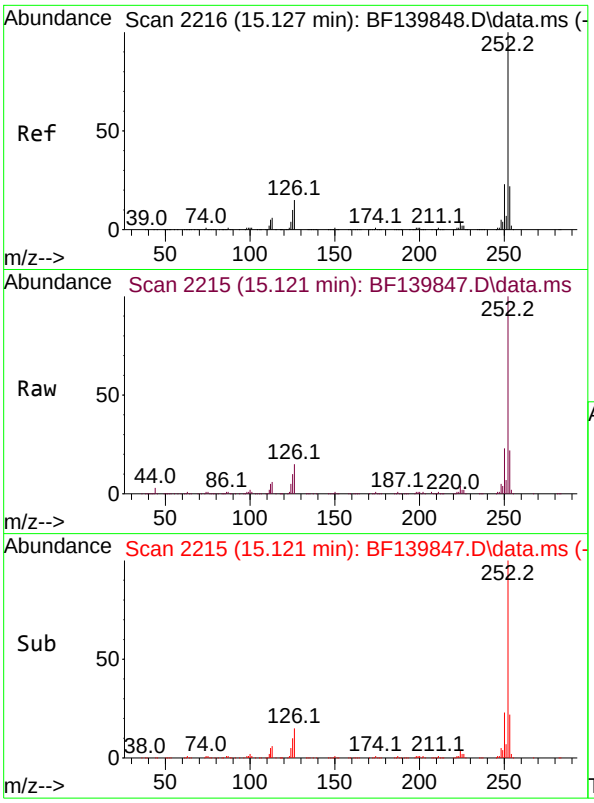


#88
Benzo(b)fluoranthene
Concen: 21.659 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 490566

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.2	7.9	11.9



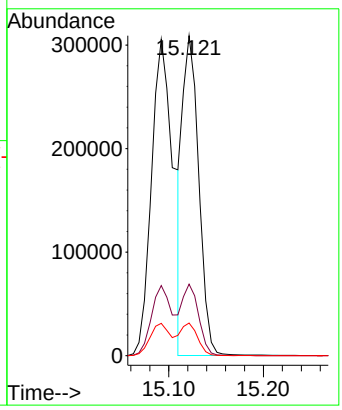


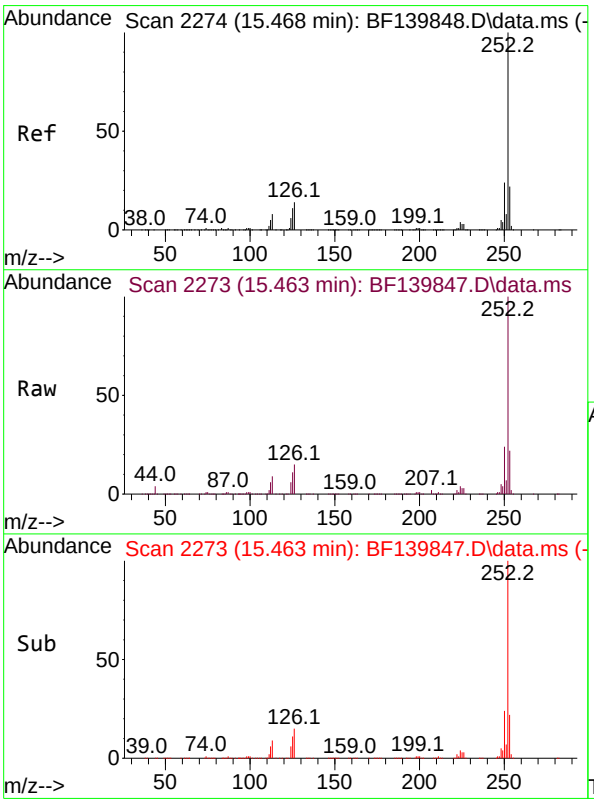
#89
Benzo(k)fluoranthene
Concen: 18.883 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 368835

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.2	7.9	11.9

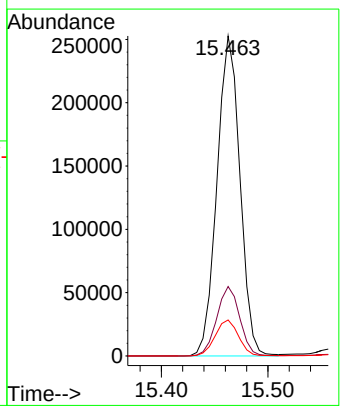


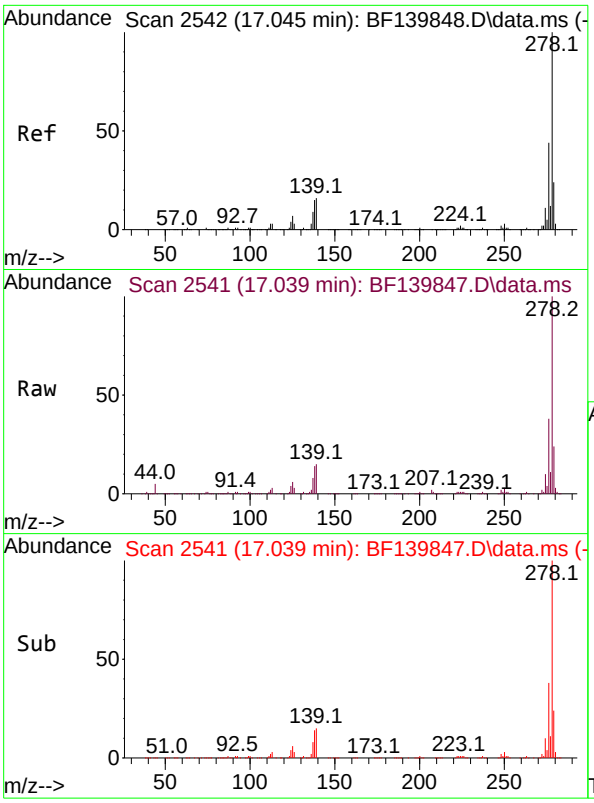


#90
Benzo(a)pyrene
Concen: 20.316 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:252 Resp: 378617

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	11.2	8.7	13.1



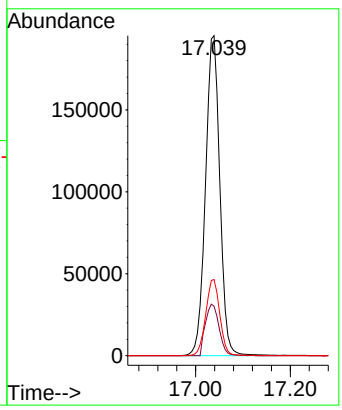


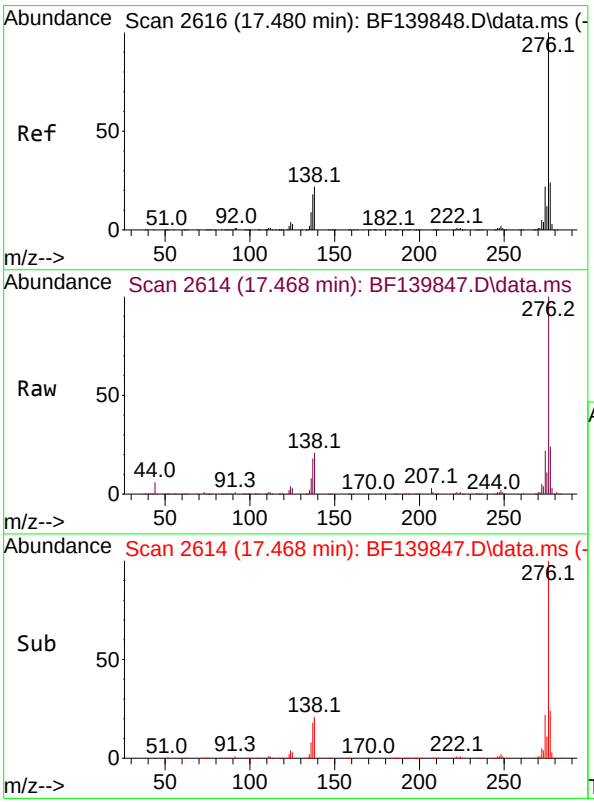
#91
Dibenzo(a,h)anthracene
Concen: 20.561 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 410285

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.1	19.7
279	23.8	19.0	28.4

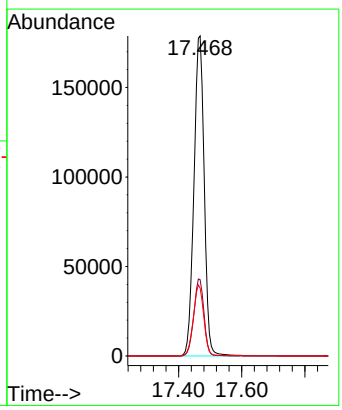




#92
Benzo(g,h,i)perylene
Concen: 20.326 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF139847.D
Acq: 18 Oct 2024 11:52

Tgt Ion:276 Resp: 405140

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	21.2	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139848.D
Acq On : 18 Oct 2024 12:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:18:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	181899	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	688880	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	379753	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	663459	20.000	ng	0.00
76) Chrysene-d12	14.051	240	345800	20.000	ng	0.00
86) Perylene-d12	15.527	264	365076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	929569	80.002	ng	0.00
7) Phenol-d6	6.510	99	1197998	79.607	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021808	82.209	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	285205	80.292	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1764495	76.791	ng	0.00
79) Terphenyl-d14	12.998	244	1721125	81.103	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	214958	39.679	ng	100
3) Pyridine	3.446	79	547145	40.746	ng	100
4) n-Nitrosodimethylamine	3.398	42	293138	40.631	ng	100
6) Aniline	6.551	93	575402	41.026	ng	100
8) 2-Chlorophenol	6.675	128	476614	40.124	ng	100
9) Benzaldehyde	6.439	77	341959	40.393	ng	100
10) Phenol	6.522	94	622748m	39.429	ng	
11) bis(2-Chloroethyl)ether	6.628	93	470765	39.258	ng	100
12) 1,3-Dichlorobenzene	6.834	146	545252	39.988	ng	100
13) 1,4-Dichlorobenzene	6.910	146	541068	39.718	ng	100
14) 1,2-Dichlorobenzene	7.063	146	501857	39.473	ng	100
15) Benzyl Alcohol	7.028	79	441461	39.991	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.169	45	820216	40.113	ng	100
17) 2-Methylphenol	7.133	107	405109	39.996	ng	100
18) Hexachloroethane	7.404	117	196637	40.478	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	354454	38.835	ng	100
20) 3+4-Methylphenols	7.286	107	515857	39.818	ng	100
22) Acetophenone	7.298	105	663304	39.312	ng	100
24) Nitrobenzene	7.475	77	555115	40.735	ng	100
25) Isophorone	7.710	82	935400	39.651	ng	100
26) 2-Nitrophenol	7.786	139	216916	42.193	ng	100
27) 2,4-Dimethylphenol	7.816	122	341985	39.894	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	567188	39.683	ng	100
29) 2,4-Dichlorophenol	8.022	162	390330	39.976	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	434274	40.195	ng	100
31) Naphthalene	8.198	128	1409796	39.681	ng	100
32) Benzoic acid	7.922	122	302443	40.451	ng	100
33) 4-Chloroaniline	8.239	127	483982	39.950	ng	100
34) Hexachlorobutadiene	8.316	225	271315	39.967	ng	100
35) Caprolactam	8.610	113	126585	40.772	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	433727	40.116	ng	100
37) 2-Methylnaphthalene	8.886	142	856111	39.345	ng	100
38) 1-Methylnaphthalene	8.986	142	842638	39.471	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	407511	39.776	ng	100
41) Hexachlorocyclopentadiene	9.039	237	150540	42.229	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	293577	40.474	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139848.D
Acq On : 18 Oct 2024 12:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 18 14:18:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	304213	40.651	ng	100
46) 1,1'-Biphenyl	9.351	154	1047094	39.608	ng	100
47) 2-Chloronaphthalene	9.375	162	843452	39.613	ng	100
48) 2-Nitroaniline	9.463	65	277165	42.562	ng	100
49) Acenaphthylene	9.792	152	1226273	39.837	ng	100
50) Dimethylphthalate	9.651	163	939670	39.726	ng	100
51) 2,6-Dinitrotoluene	9.710	165	212956	41.580	ng	100
52) Acenaphthene	9.963	154	792756	39.811	ng	100
53) 3-Nitroaniline	9.874	138	222098	42.051	ng	100
54) 2,4-Dinitrophenol	9.974	184	76948	39.739	ng	100
55) Dibenzofuran	10.133	168	1128670	39.505	ng	100
56) 4-Nitrophenol	10.022	139	175913	43.292	ng	100
57) 2,4-Dinitrotoluene	10.110	165	270604	42.965	ng	100
58) Fluorene	10.474	166	843048	38.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	235175	40.087	ng	100
60) Diethylphthalate	10.351	149	922384	39.715	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	432393	39.347	ng	100
62) 4-Nitroaniline	10.486	138	208926	41.884	ng	100
63) Azobenzene	10.627	77	991989	40.289	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	115824	42.799	ng	100
66) n-Nitrosodiphenylamine	10.586	169	789753	39.772	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	268509	39.285	ng	100
68) Hexachlorobenzene	11.021	284	306919	39.927	ng	100
69) Atrazine	11.110	200	232078	43.145	ng	100
70) Pentachlorophenol	11.210	266	201559	43.204	ng	100
71) Phenanthrene	11.439	178	1238155	39.508	ng	100
72) Anthracene	11.492	178	1211718	39.628	ng	100
73) Carbazole	11.639	167	1122566	39.475	ng	100
74) Di-n-butylphthalate	11.974	149	1345878	40.965	ng	100
75) Fluoranthene	12.627	202	1251202	39.493	ng	100
77) Benzidine	12.745	184	252893	44.967	ng	100
78) Pyrene	12.857	202	1248309	41.241	ng	100
80) Butylbenzylphthalate	13.474	149	383831	42.297	ng	100
81) Benzo(a)anthracene	14.039	228	920698	40.901	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	267769	40.798	ng	100
83) Chrysene	14.080	228	806950	39.098	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	432750	42.504	ng	100
85) Di-n-octyl phthalate	14.651	149	785179	42.399	ng	100
87) Indeno(1,2,3-cd)pyrene	17.021	276	987345	42.039	ng	100
88) Benzo(b)fluoranthene	15.098	252	873168	39.263	ng	100
89) Benzo(k)fluoranthene	15.127	252	778470	40.589	ng	100
90) Benzo(a)pyrene	15.468	252	748507	40.905	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	818044	41.752	ng	100
92) Benzo(g,h,i)perylene	17.480	276	823727	42.090	ng	100

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

ICAL Form

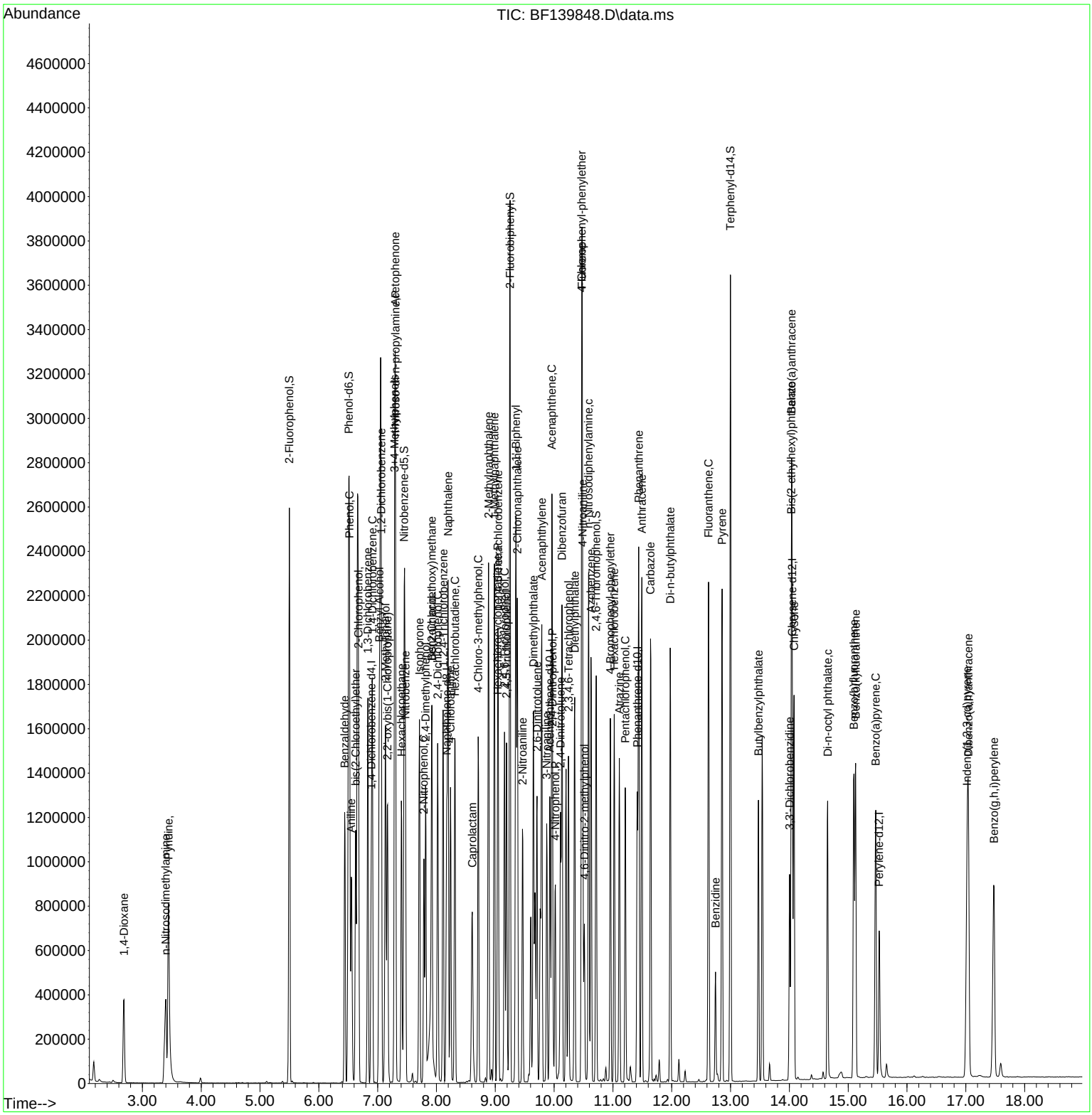
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139848.D
Acq On : 18 Oct 2024 12:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

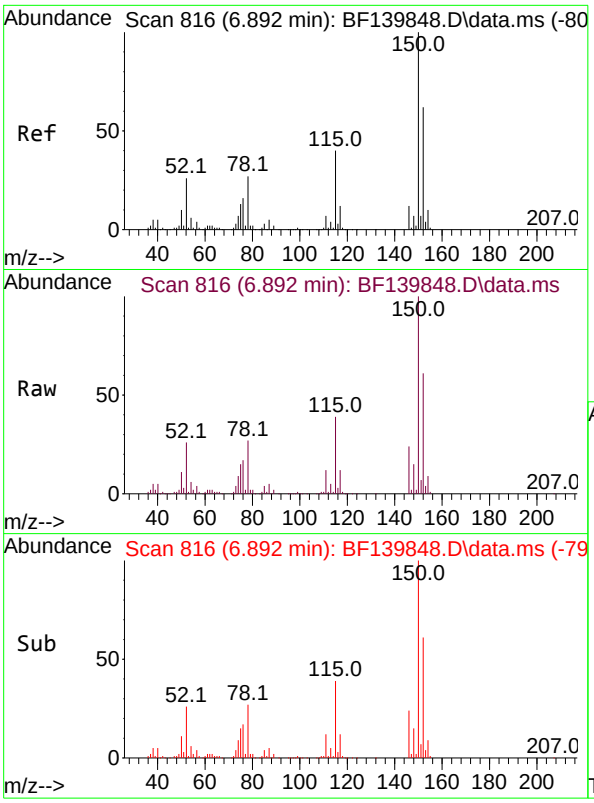
Quant Time: Oct 18 14:18:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

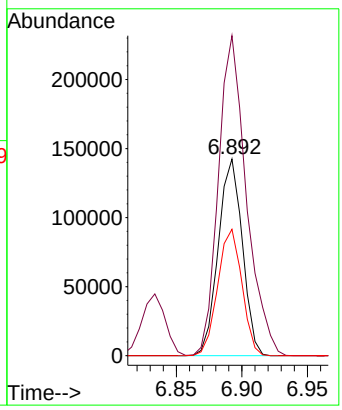




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:152 Resp: 18189

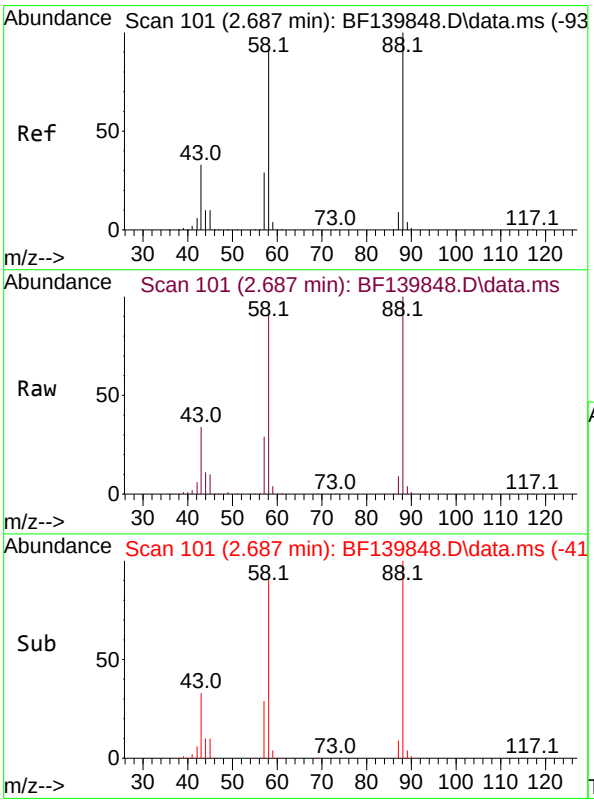
Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	64.3	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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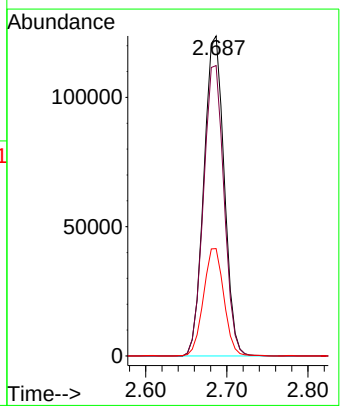
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

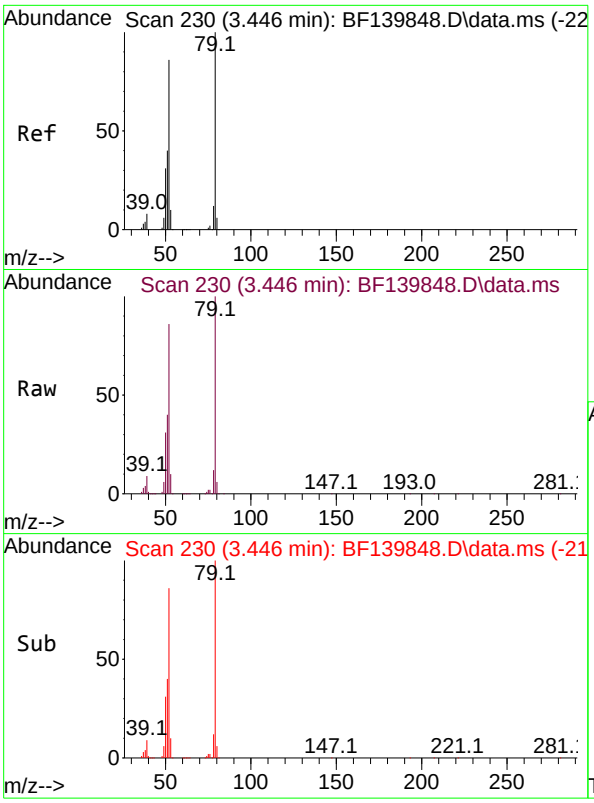


#2
1,4-Dioxane
Concen: 39.679 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 88 Resp: 214958

Ion	Ratio	Lower	Upper
88	100		
58	91.6	73.3	109.9
43	33.9	27.1	40.7

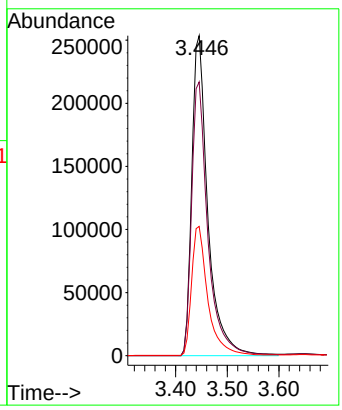




#3
Pyridine
Concen: 40.746 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 79 Resp: 54714

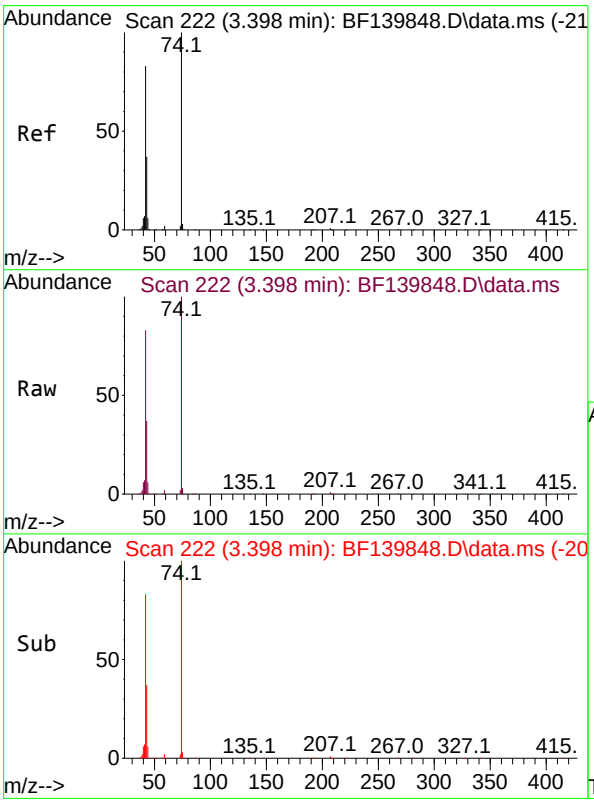
Ion	Ratio	Lower	Upper
79	100		
52	85.6	68.5	102.7
51	40.4	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

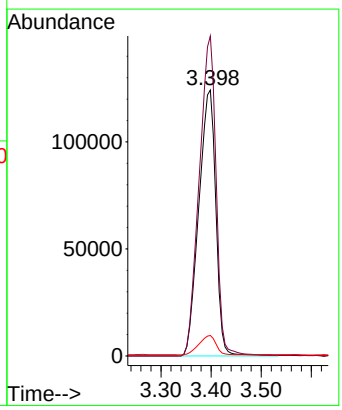
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

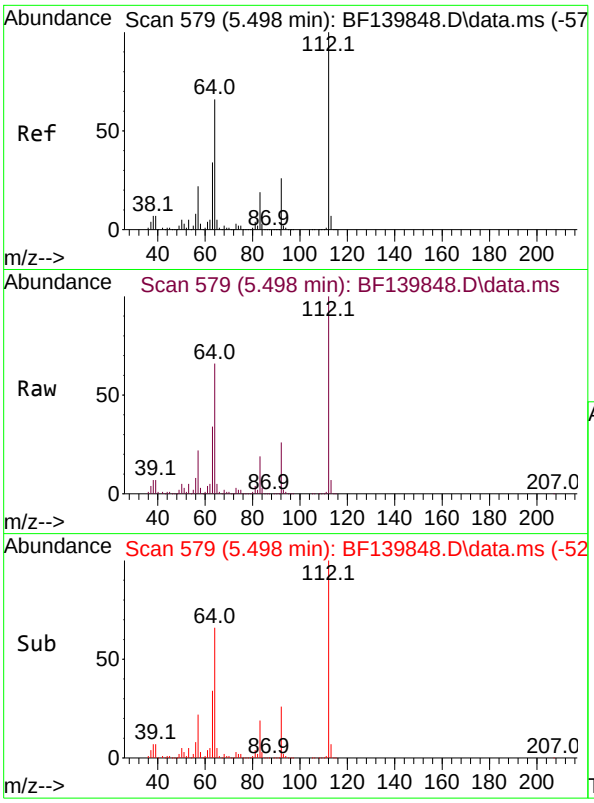


#4
n-Nitrosodimethylamine
Concen: 40.631 ng
RT: 3.398 min Scan# 222
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 42 Resp: 293138

Ion	Ratio	Lower	Upper
42	100		
74	120.3	96.2	144.4
44	7.7	6.2	9.2

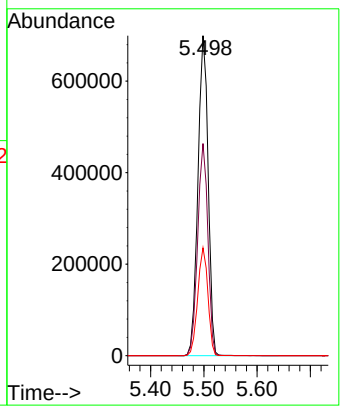




#5
2-Fluorophenol
Concen: 80.002 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:112 Resp: 92956

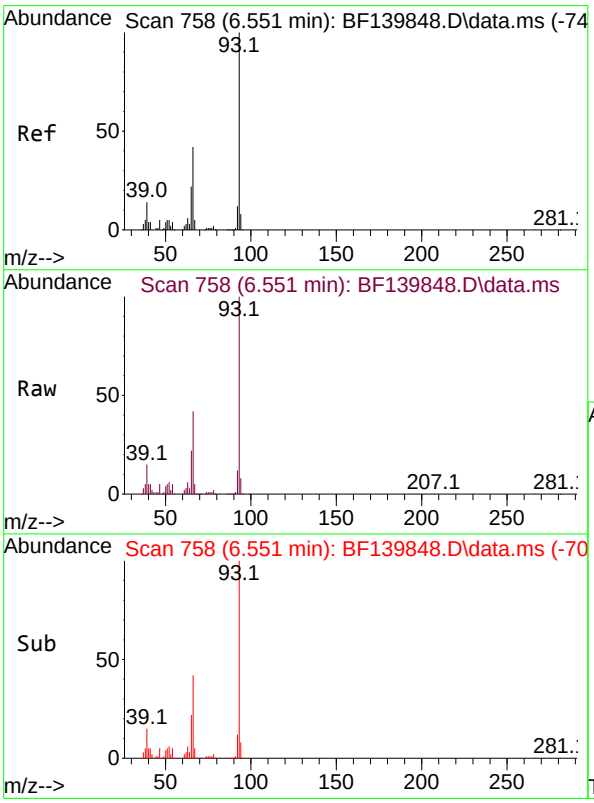
Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.0	79.6
63	33.7	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

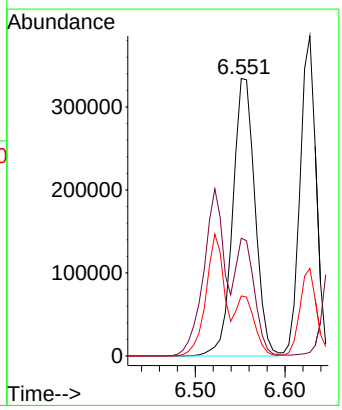
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

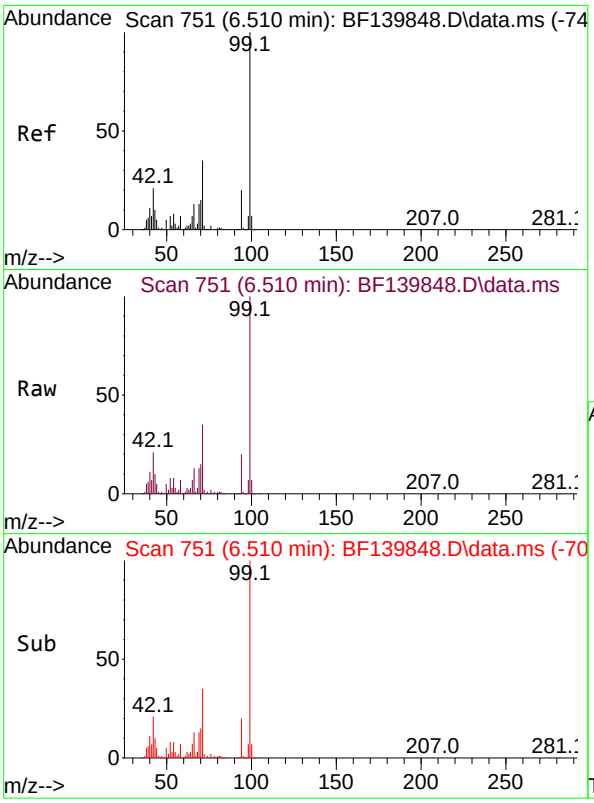


#6
Aniline
Concen: 41.026 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 93 Resp: 575402

Ion	Ratio	Lower	Upper
93	100		
66	42.5	34.0	51.0
65	21.7	17.4	26.0

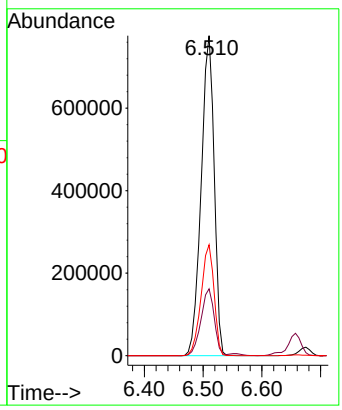




#7
Phenol-d6
Concen: 79.607 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 99 Resp: 119799

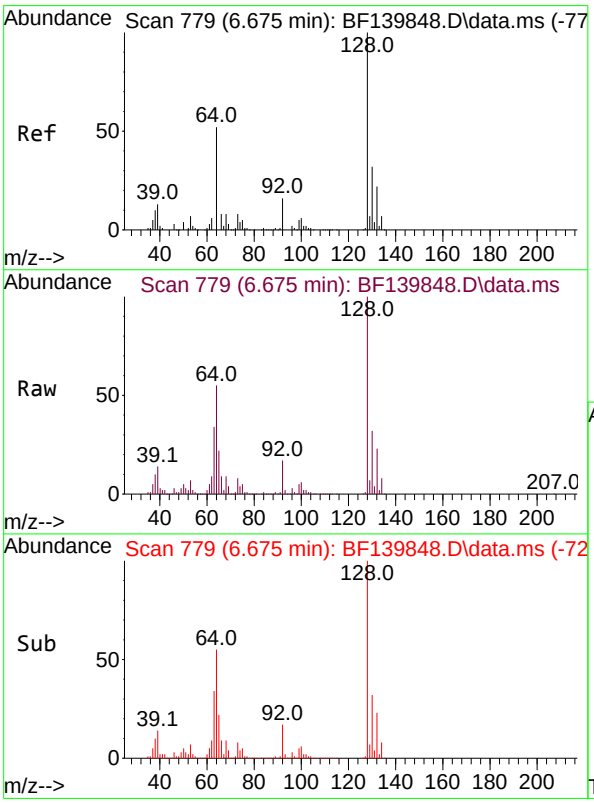
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.7	25.1
71	34.6	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

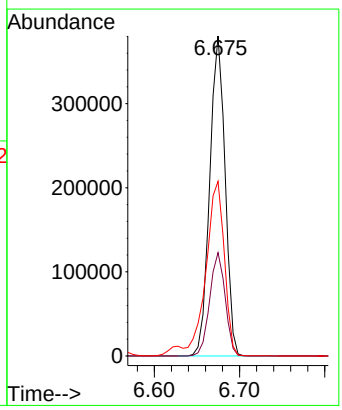
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

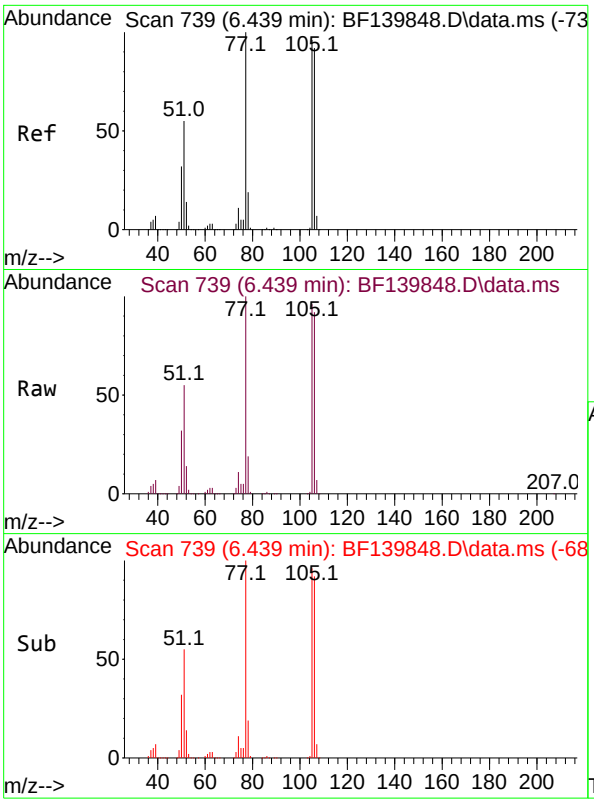


#8
2-Chlorophenol
Concen: 40.124 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:128 Resp: 476614

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	54.6	34.6	74.6

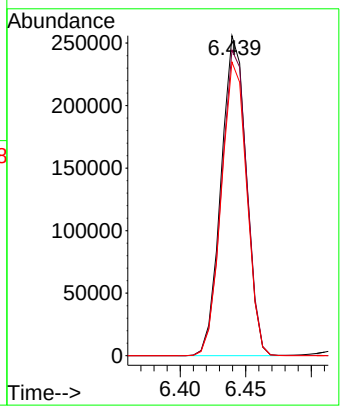




#9
Benzaldehyde
Concen: 40.393 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 77 Resp: 34195

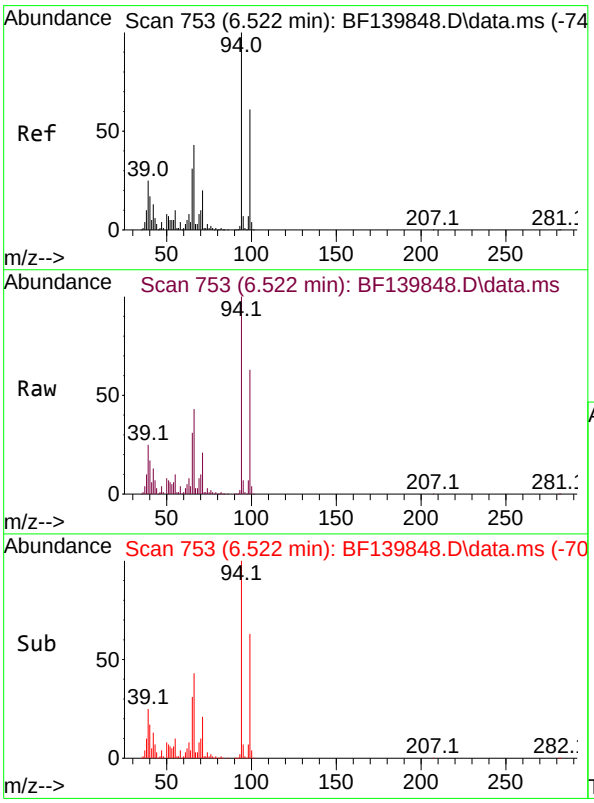
Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	91.7	71.7	111.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

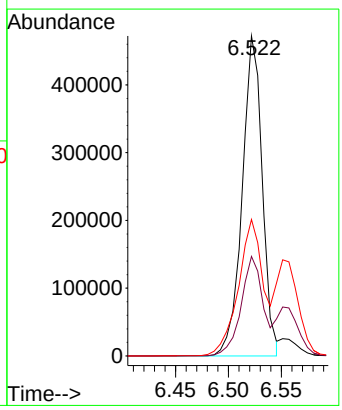
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

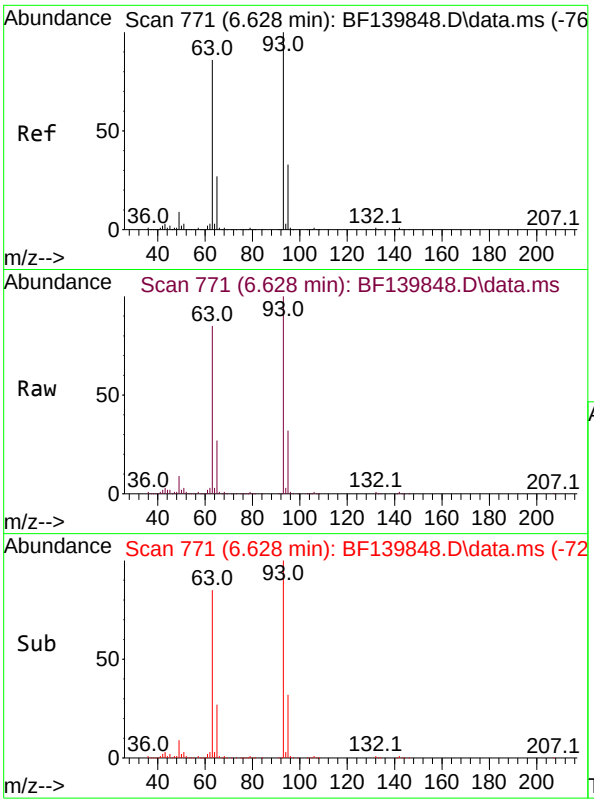


#10
Phenol
Concen: 39.429 ng m
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 94 Resp: 622748

Ion	Ratio	Lower	Upper
94	100		
65	31.1	11.1	51.1
66	42.7	22.7	62.7





#11
bis(2-Chloroethyl)ether
Concen: 39.258 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

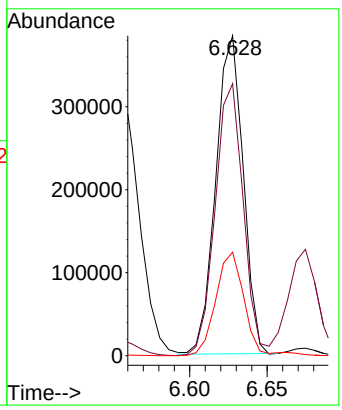
Tgt Ion: 93 Resp: 47076

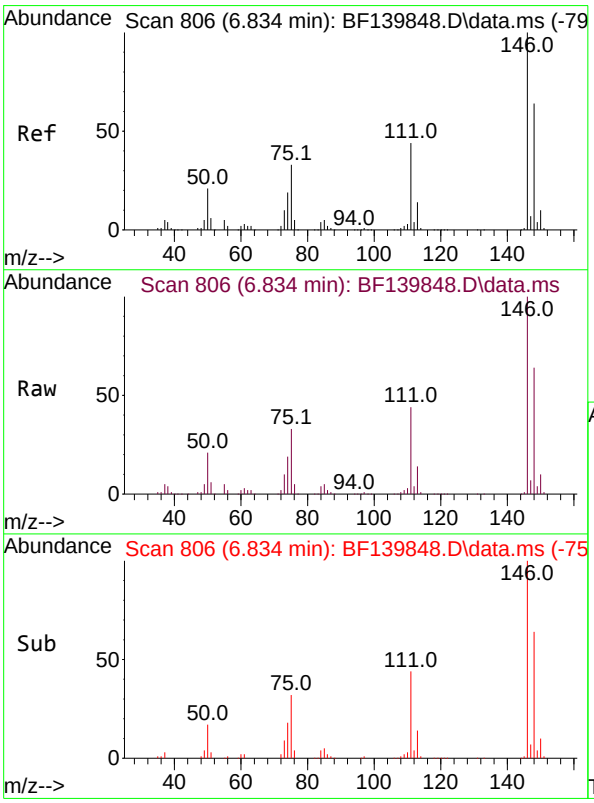
Ion	Ratio	Lower	Upper
93	100		
63	85.0	65.0	105.0
95	32.4	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

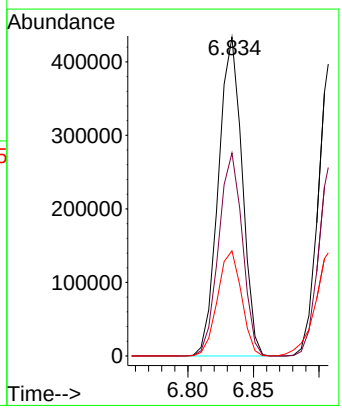


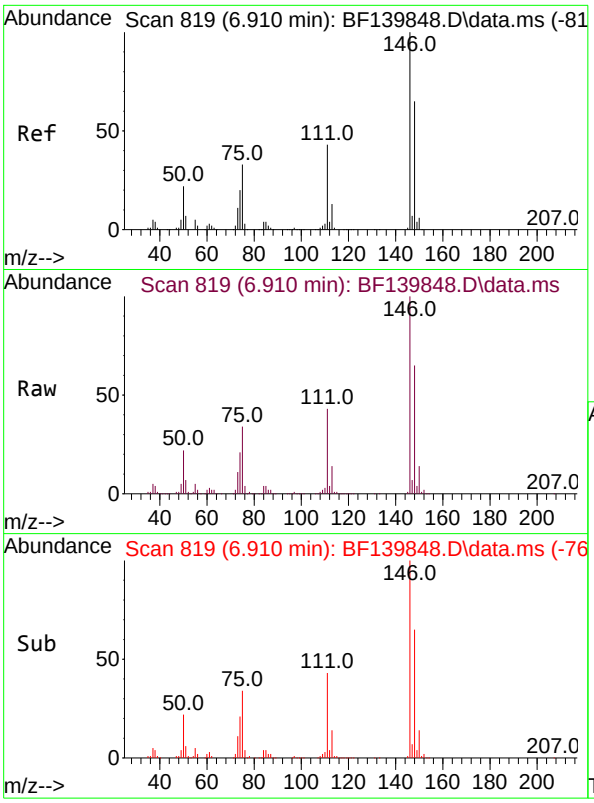


#12
1,3-Dichlorobenzene
Concen: 39.988 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:146 Resp: 545252

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	33.0	26.4	39.6

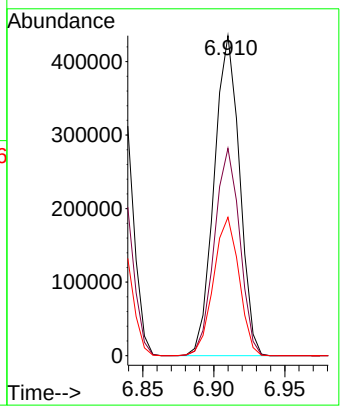




#13
1,4-Dichlorobenzene
Concen: 39.718 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:146 Resp: 54106

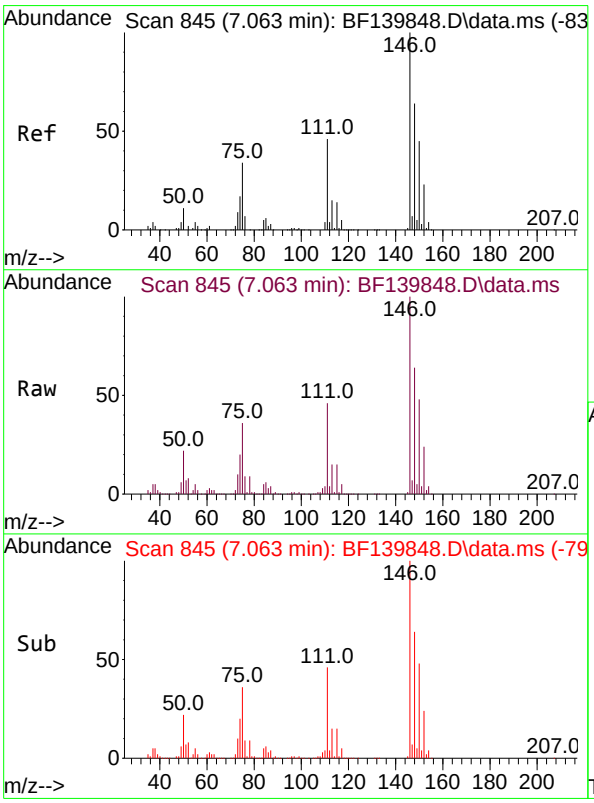
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	43.2	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

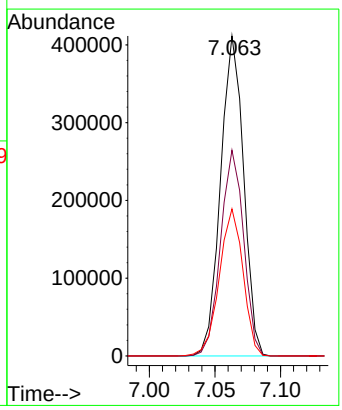
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

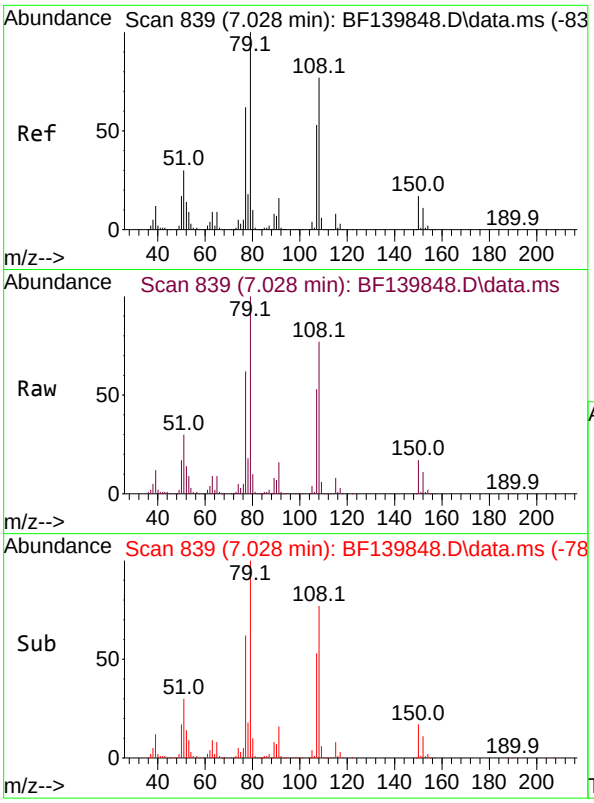


#14
1,2-Dichlorobenzene
Concen: 39.473 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:146 Resp: 501857

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	45.9	36.7	55.1

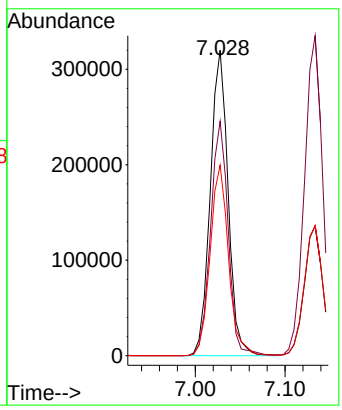




#15
Benzyl Alcohol
Concen: 39.991 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 79 Resp: 44146

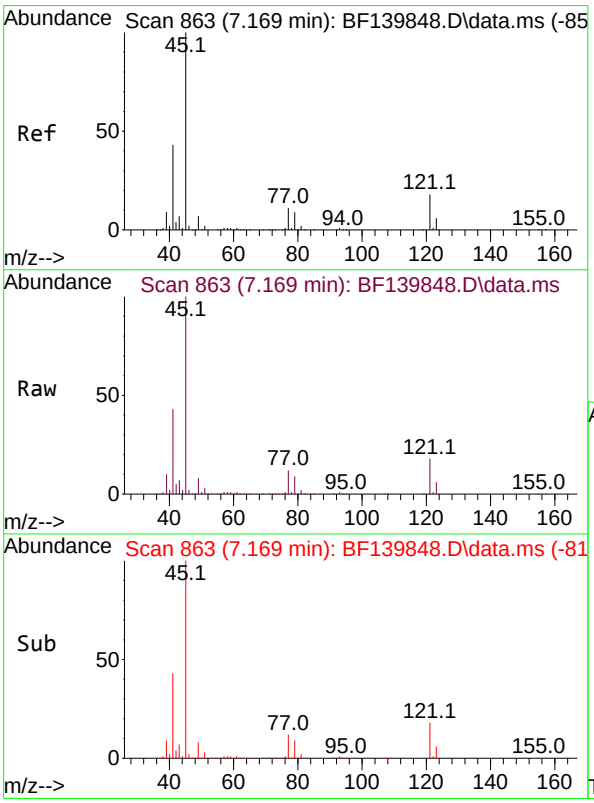
Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.4	92.0
77	62.4	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

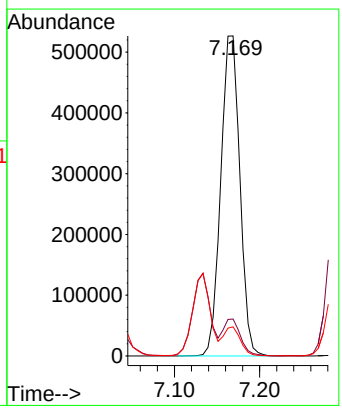
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

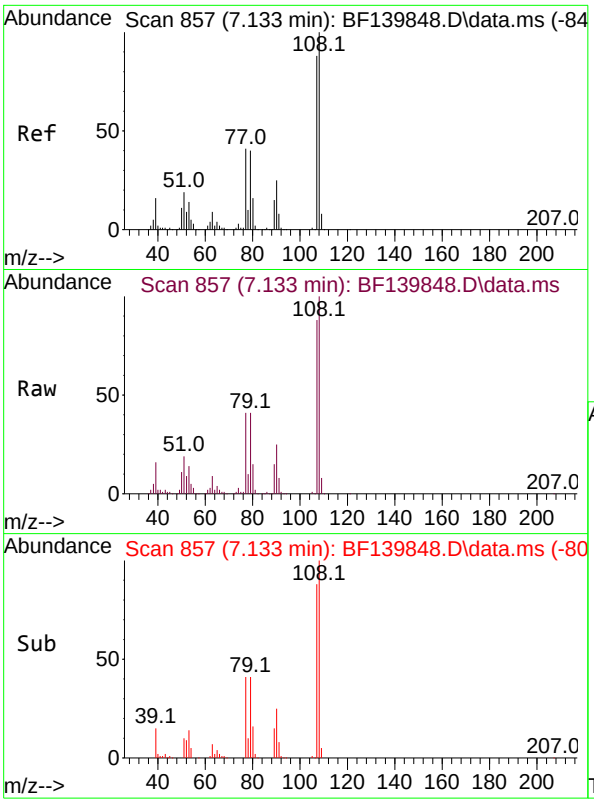


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.113 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 45 Resp: 820216

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.5
79	9.1	0.0	29.1

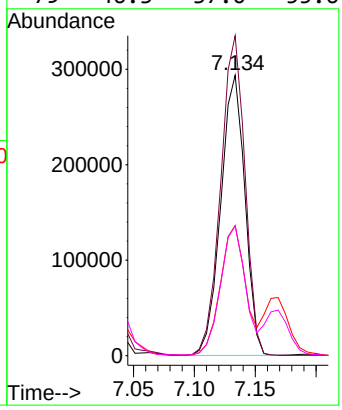




#17
2-Methylphenol
Concen: 39.996 ng
RT: 7.133 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 40510

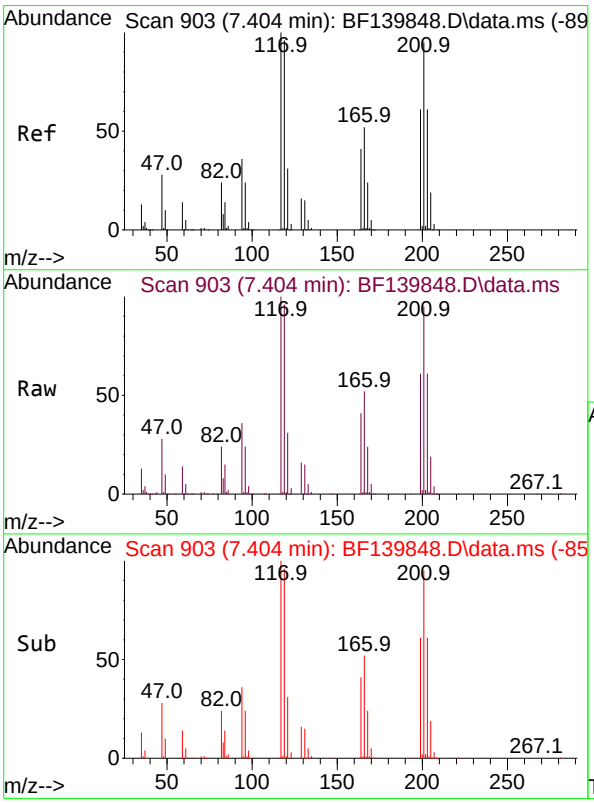
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.3	136.9
77	46.4	37.1	55.7
79	46.3	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

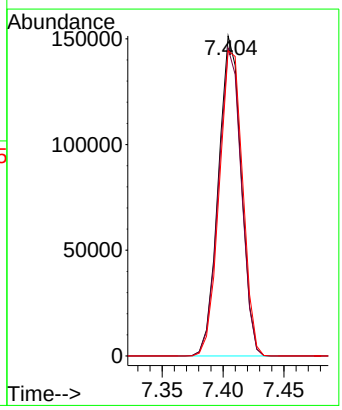
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

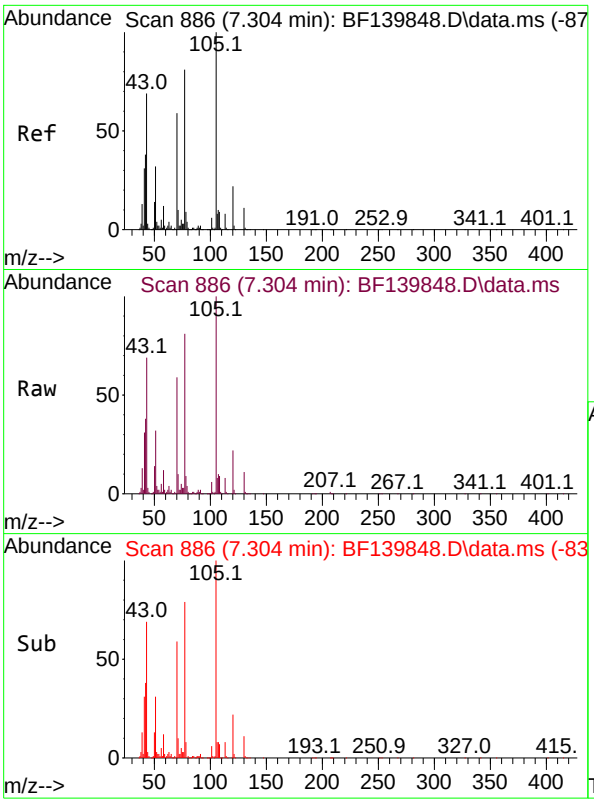


#18
Hexachloroethane
Concen: 40.478 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:117 Resp: 196637

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	95.3	76.2	114.4

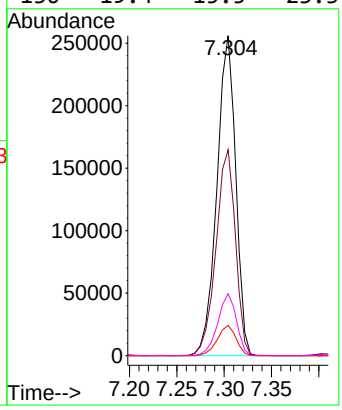




#19
n-Nitroso-di-n-propylamine
Concen: 38.835 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 70 Resp: 35445

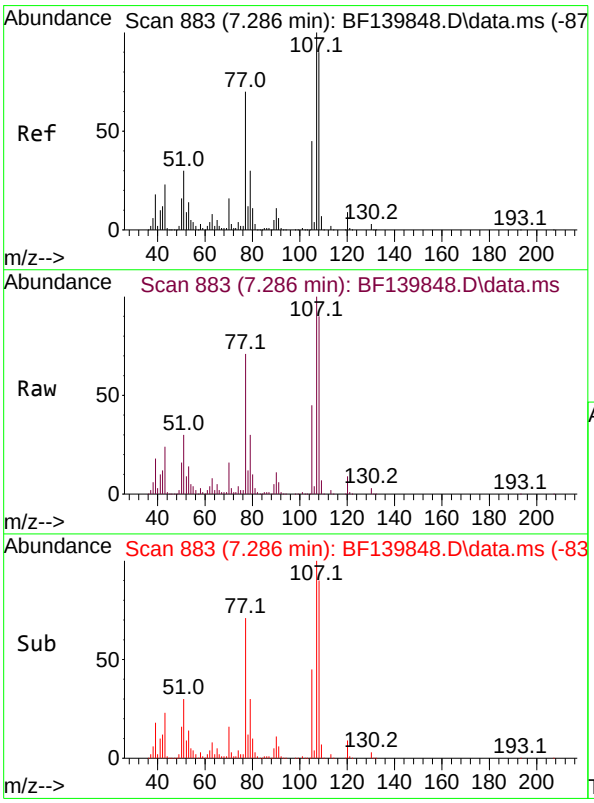
Ion	Ratio	Lower	Upper
70	100		
42	64.4	51.5	77.3
101	9.4	7.5	11.3
130	19.4	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

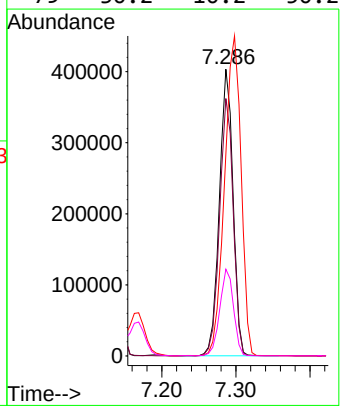
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

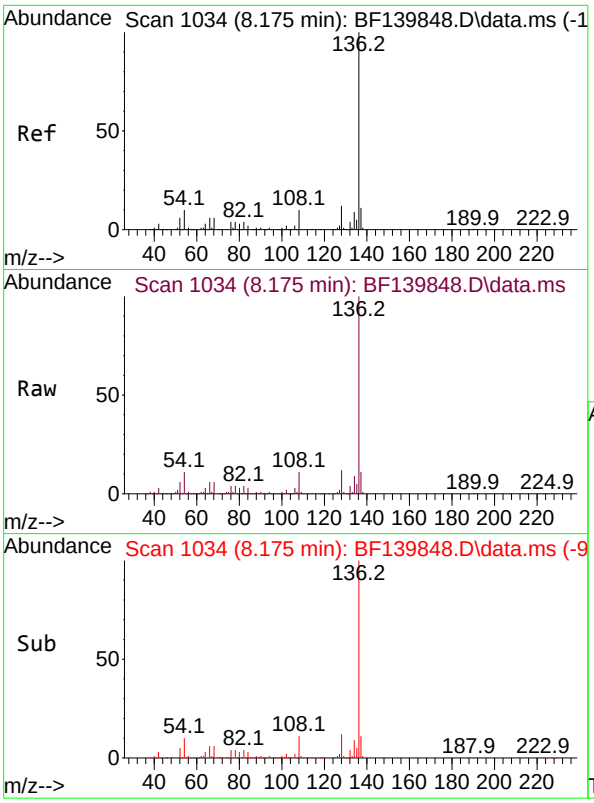


#20
3+4-Methylphenols
Concen: 39.818 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 515857

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	70.5	50.5	90.5
79	30.2	10.2	50.2

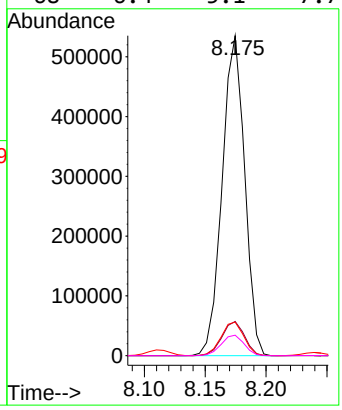




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:136 Resp: 68888

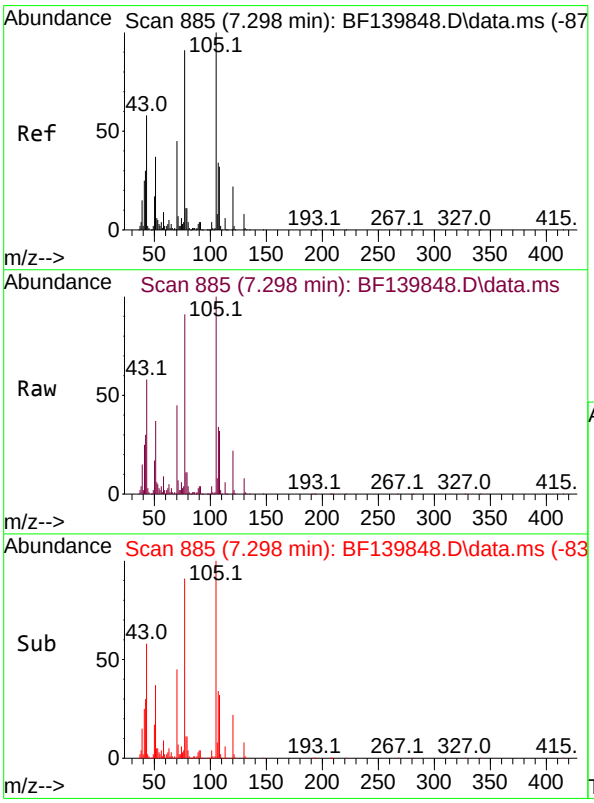
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.5	8.4	12.6
68	6.4	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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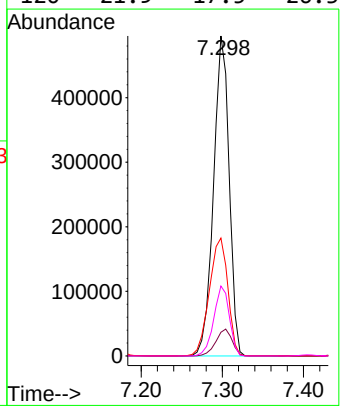
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

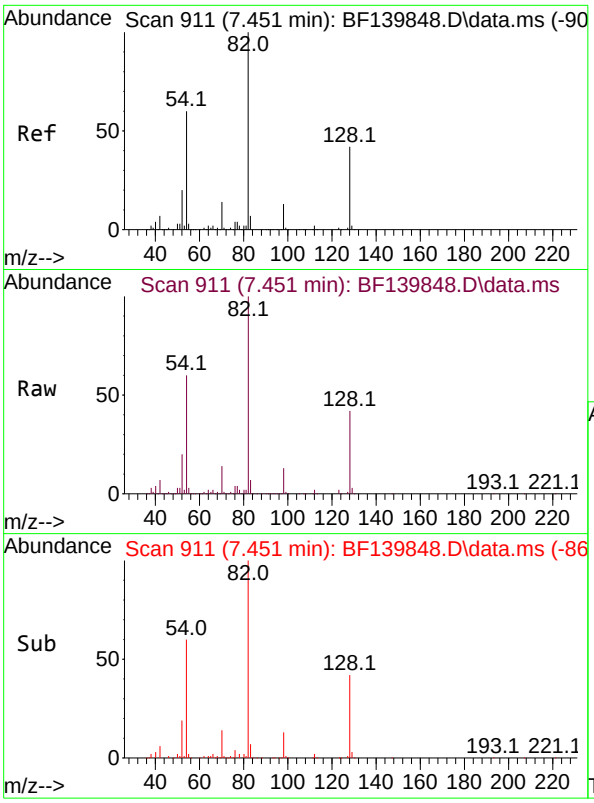


#22
Acetophenone
Concen: 39.312 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:105 Resp: 663304

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.9	8.9
51	36.8	29.4	44.2
120	21.9	17.5	26.3

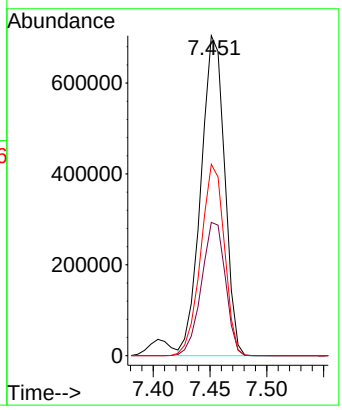




#23
Nitrobenzene-d5
Concen: 82.209 ng
RT: 7.451 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 82 Resp: 102180

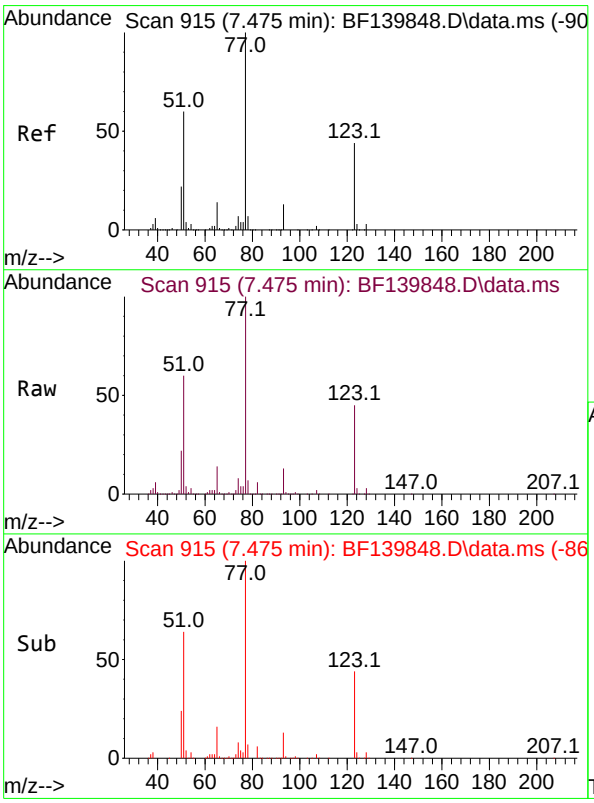
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	59.8	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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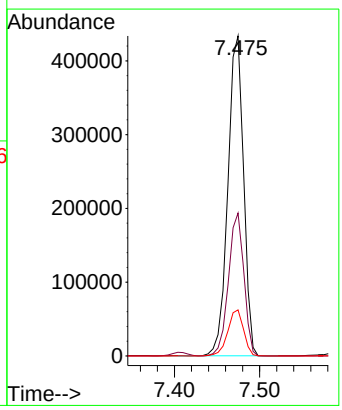
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

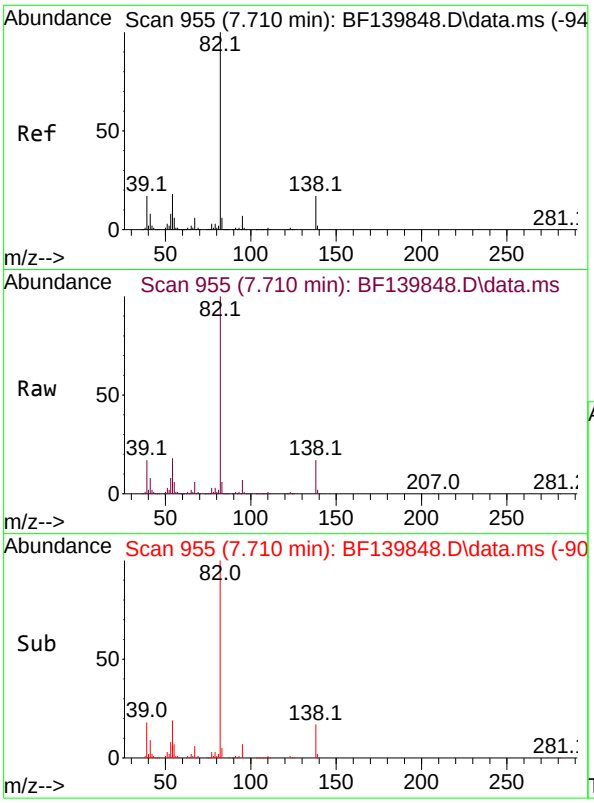


#24
Nitrobenzene
Concen: 40.735 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 77 Resp: 555115

Ion	Ratio	Lower	Upper
77	100		
123	44.6	35.7	53.5
65	14.4	11.5	17.3

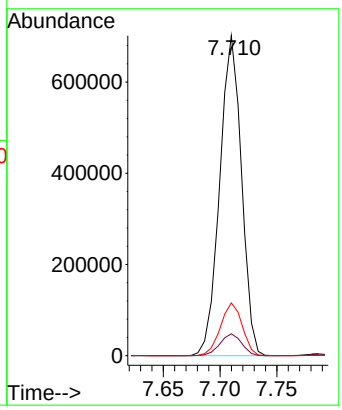




#25
Isophorone
Concen: 39.651 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 82 Resp: 93540

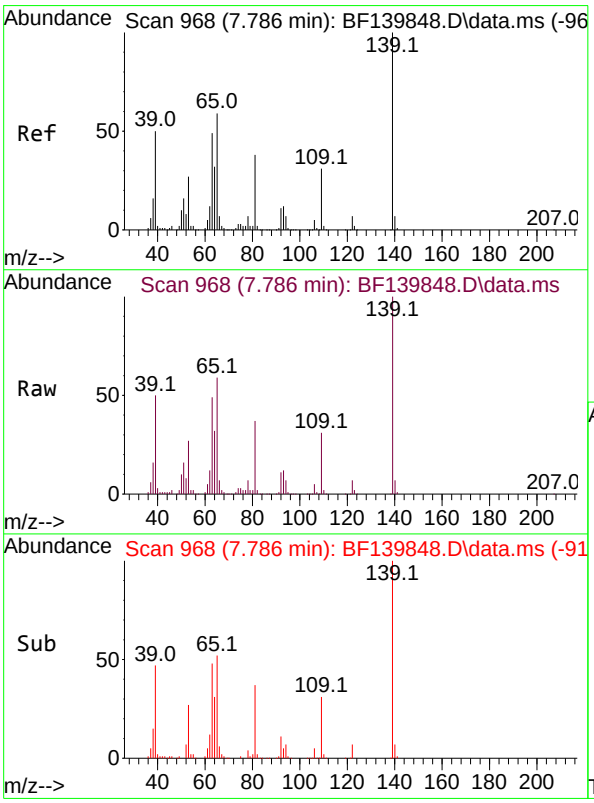
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	16.5	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

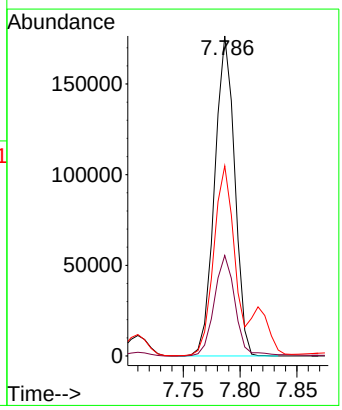
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

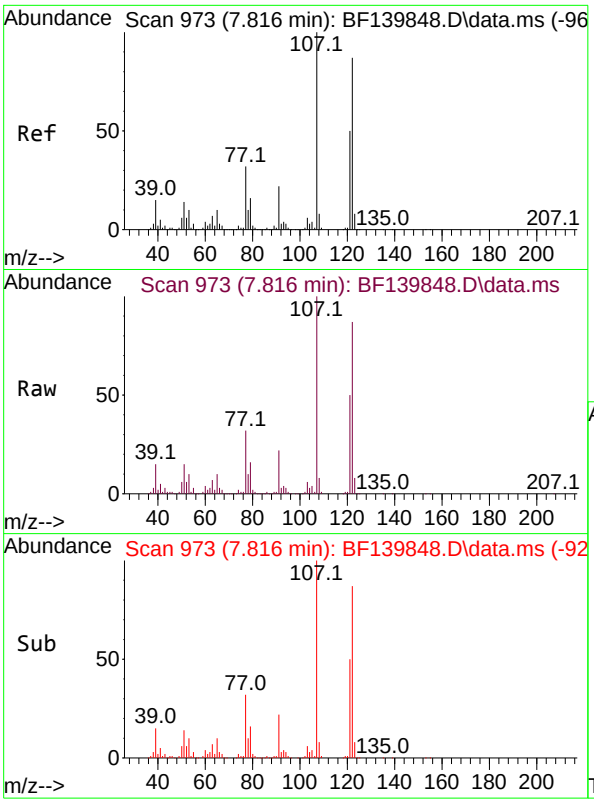


#26
2-Nitrophenol
Concen: 42.193 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:139 Resp: 216916

Ion	Ratio	Lower	Upper
139	100		
109	31.4	25.1	37.7
65	59.4	47.5	71.3

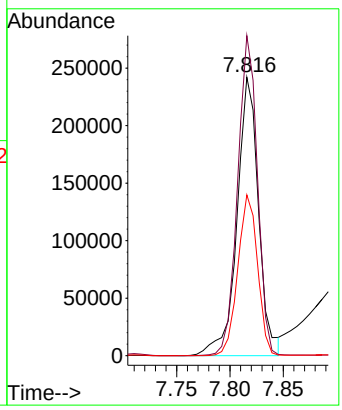




#27
2,4-Dimethylphenol
Concen: 39.894 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:122 Resp: 34198

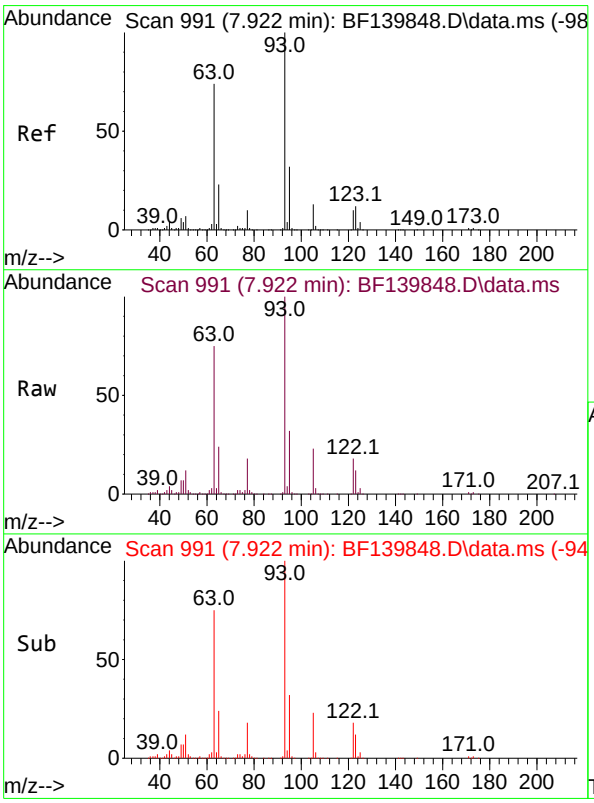
Ion	Ratio	Lower	Upper
122	100		
107	114.9	91.9	137.9
121	57.8	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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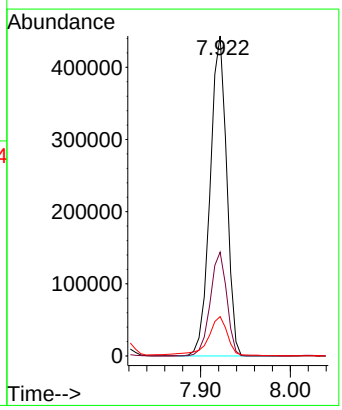
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

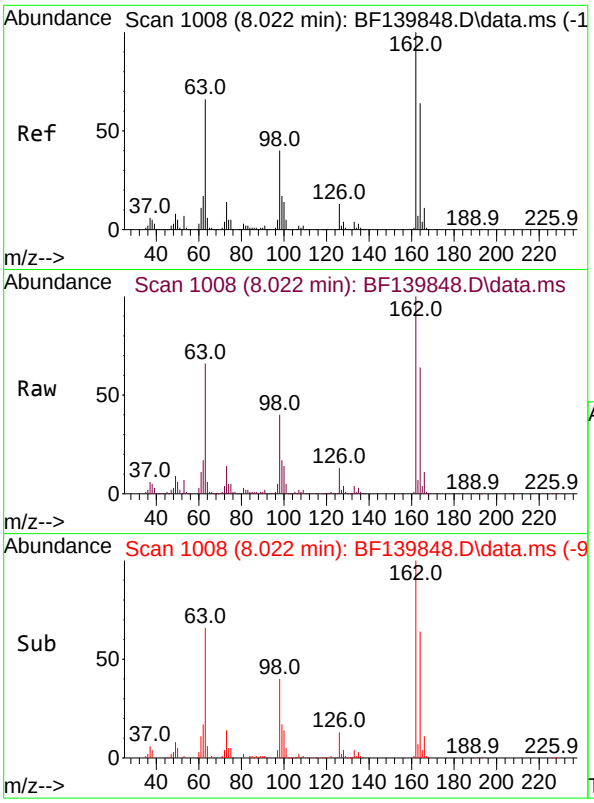


#28
bis(2-Chloroethoxy)methane
Concen: 39.683 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 93 Resp: 567188

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	12.3	9.8	14.8

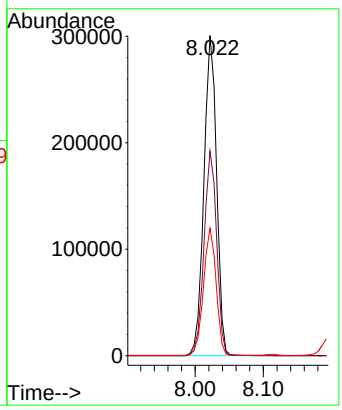




#29
2,4-Dichlorophenol
Concen: 39.976 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:162 Resp: 39033

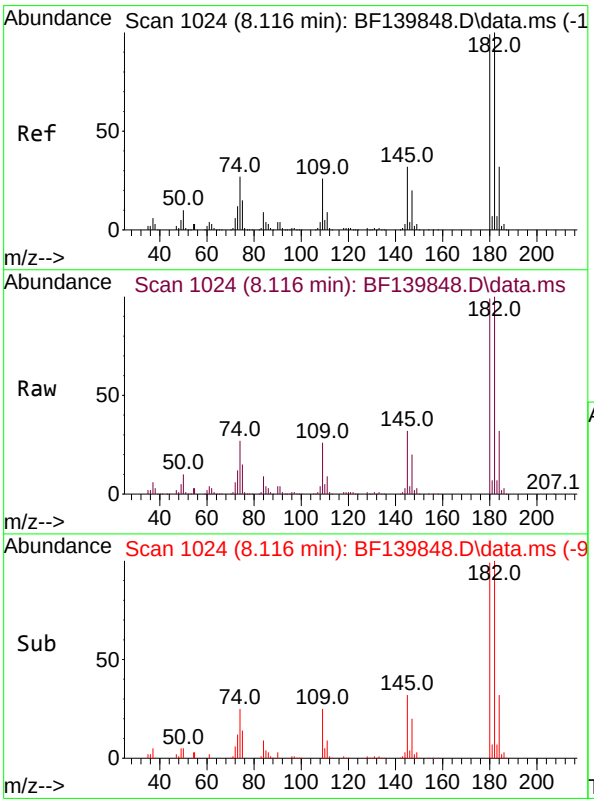
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	39.9	19.9	59.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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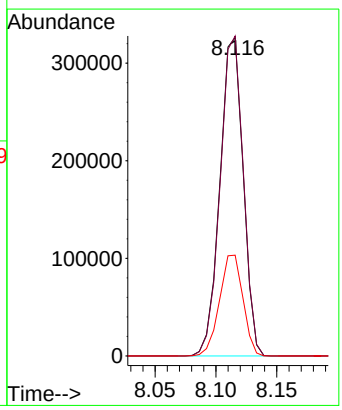
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

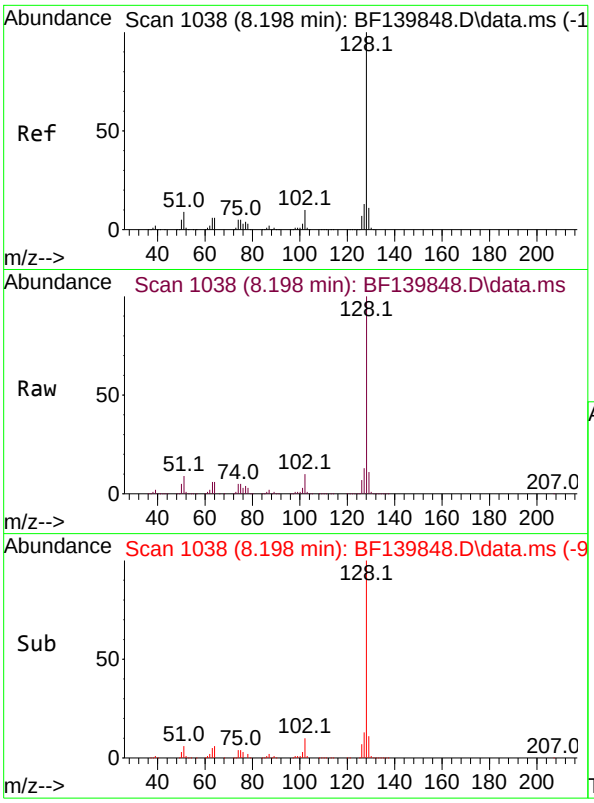


#30
1,2,4-Trichlorobenzene
Concen: 40.195 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:180 Resp: 434274

Ion	Ratio	Lower	Upper
180	100		
182	100.6	80.5	120.7
145	31.7	25.4	38.0

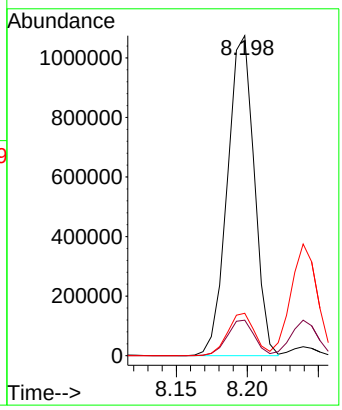




#31
Naphthalene
Concen: 39.681 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:128 Resp: 140979

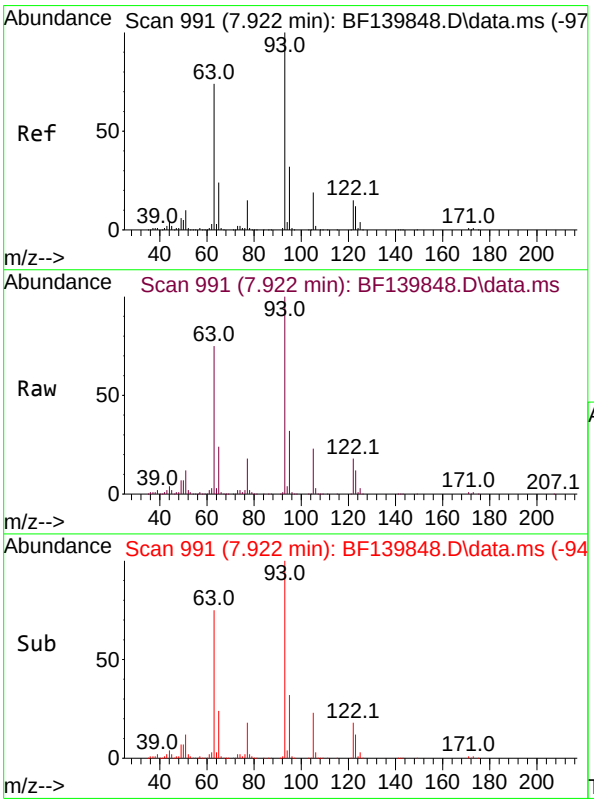
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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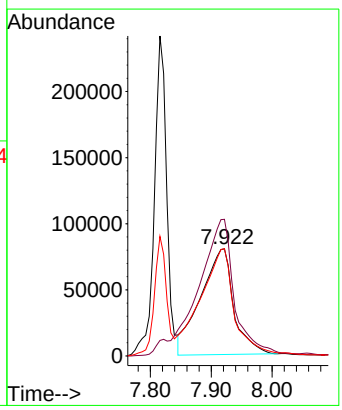
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

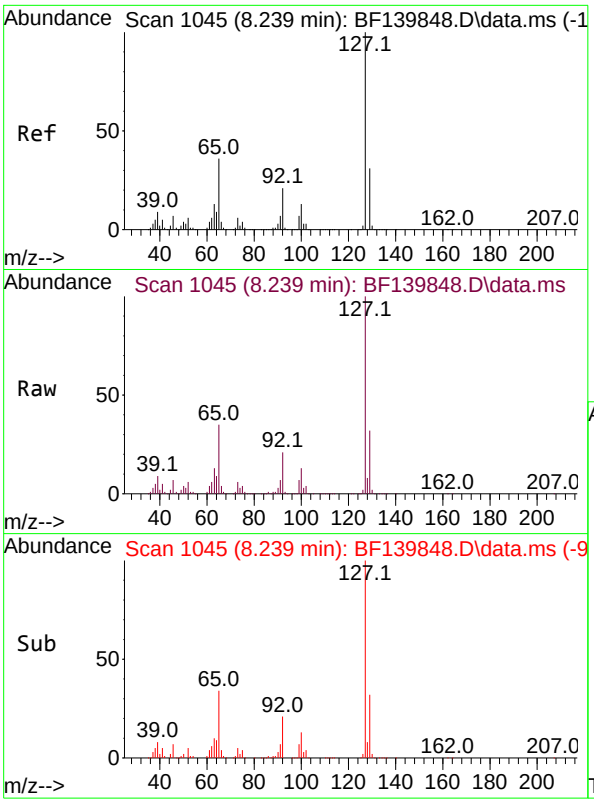


#32
Benzoic acid
Concen: 40.451 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:122 Resp: 302443

Ion	Ratio	Lower	Upper
122	100		
105	127.6	107.6	147.6
77	100.2	80.2	120.2

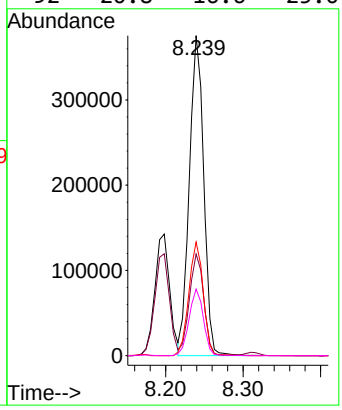




#33
4-Chloroaniline
Concen: 39.950 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:127 Resp: 48398

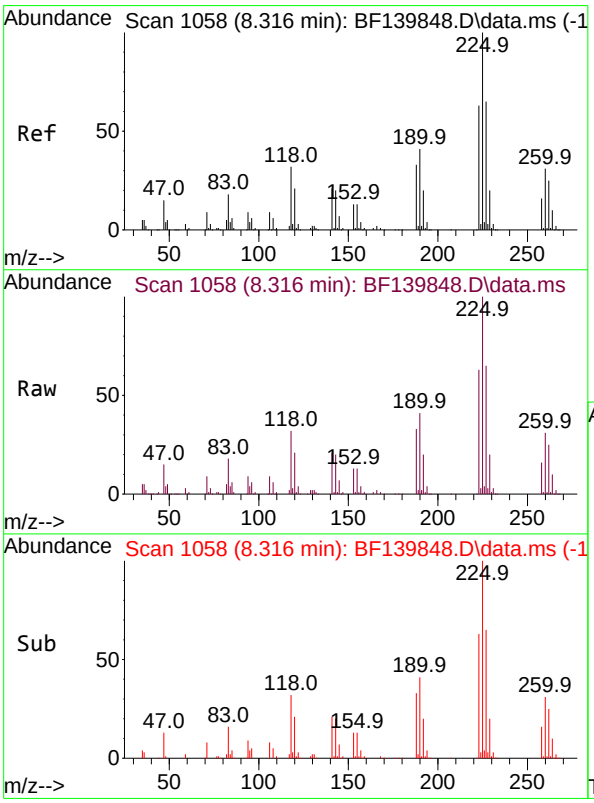
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	35.5	28.4	42.6
92	20.8	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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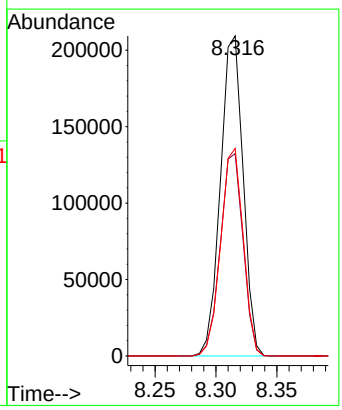
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

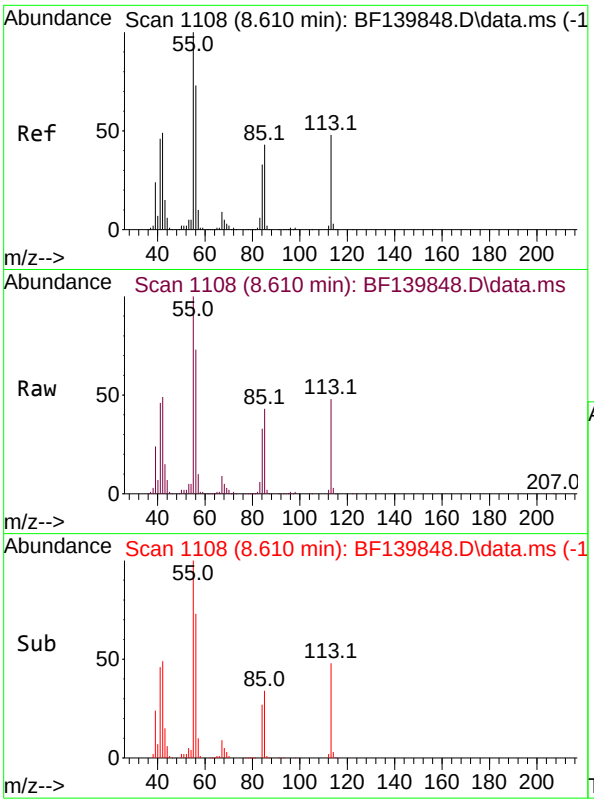


#34
Hexachlorobutadiene
Concen: 39.967 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:225 Resp: 271315

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	64.8	51.8	77.8

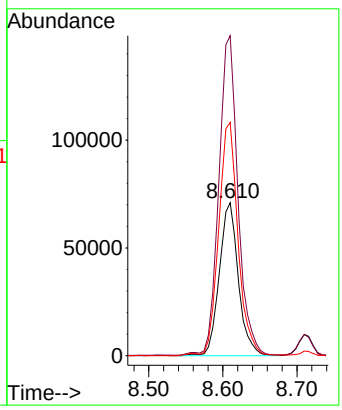




#35
Caprolactam
Concen: 40.772 ng
RT: 8.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:113 Resp: 12658

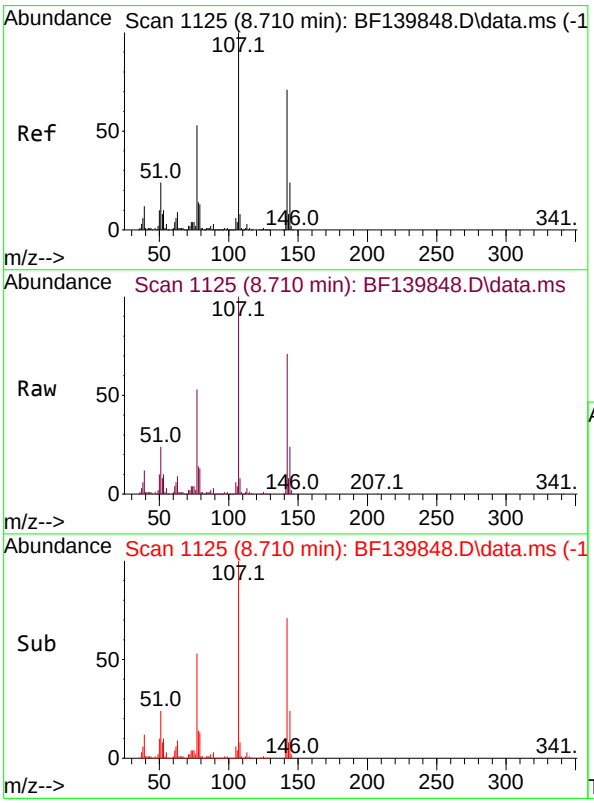
Ion	Ratio	Lower	Upper
113	100		
55	209.2	189.2	229.2
56	152.5	132.5	172.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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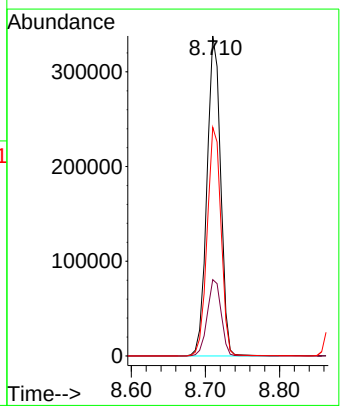
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

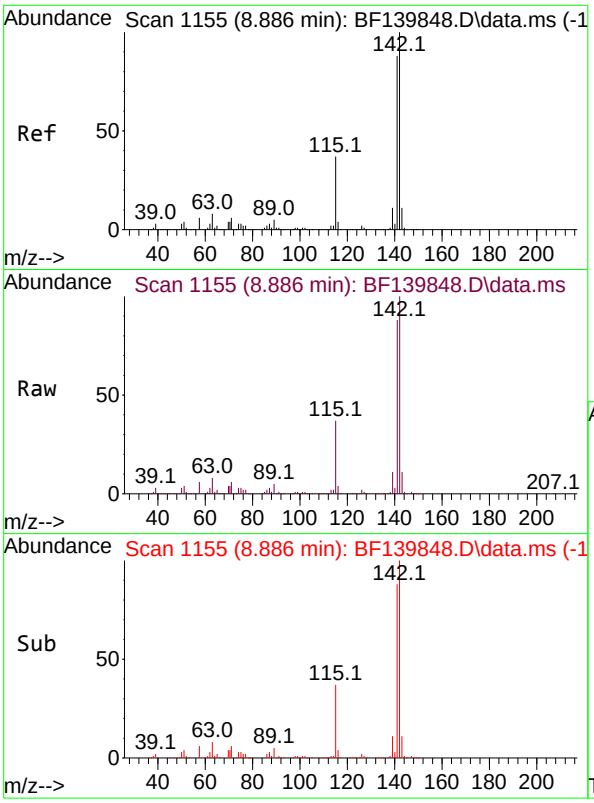


#36
4-Chloro-3-methylphenol
Concen: 40.116 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:107 Resp: 433727

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	71.5	57.2	85.8





#37
2-Methylnaphthalene
Concen: 39.345 ng
RT: 8.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

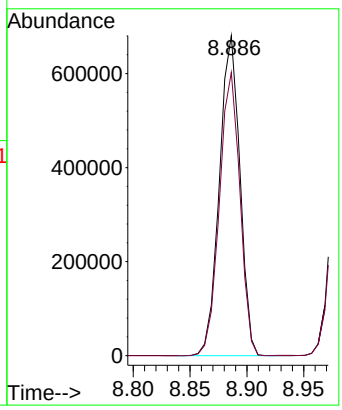
Tgt Ion:142 Resp: 85611

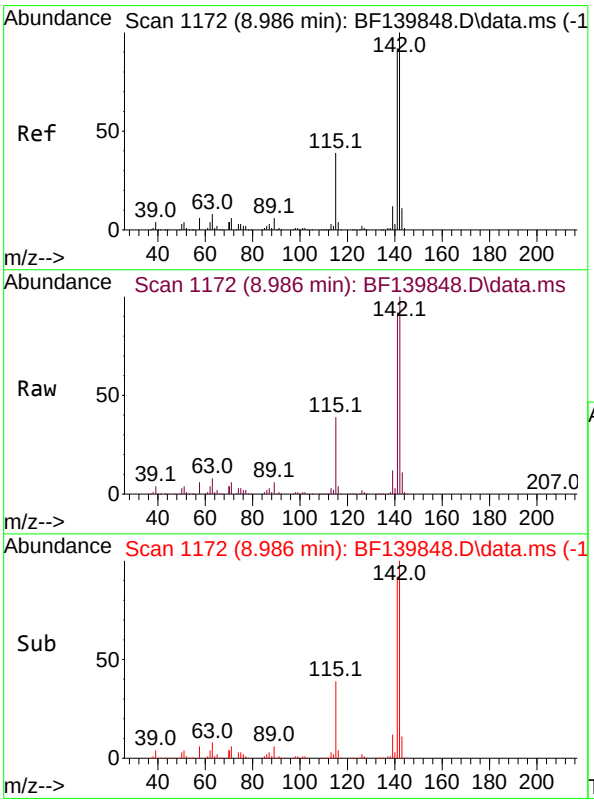
Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

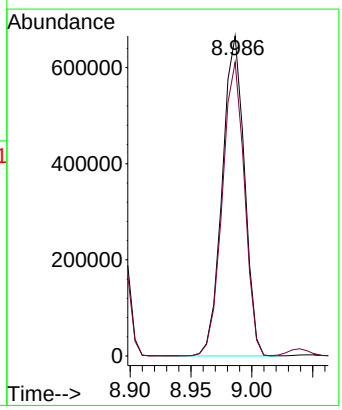


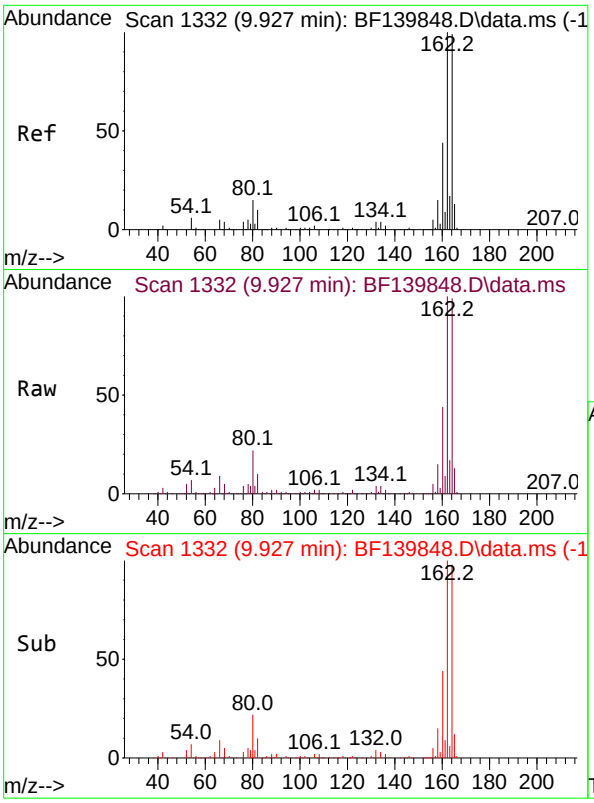


#38
1-Methylnaphthalene
Concen: 39.471 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:142 Resp: 842638

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3

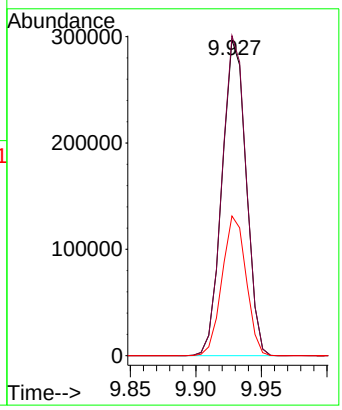




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:164 Resp: 37975

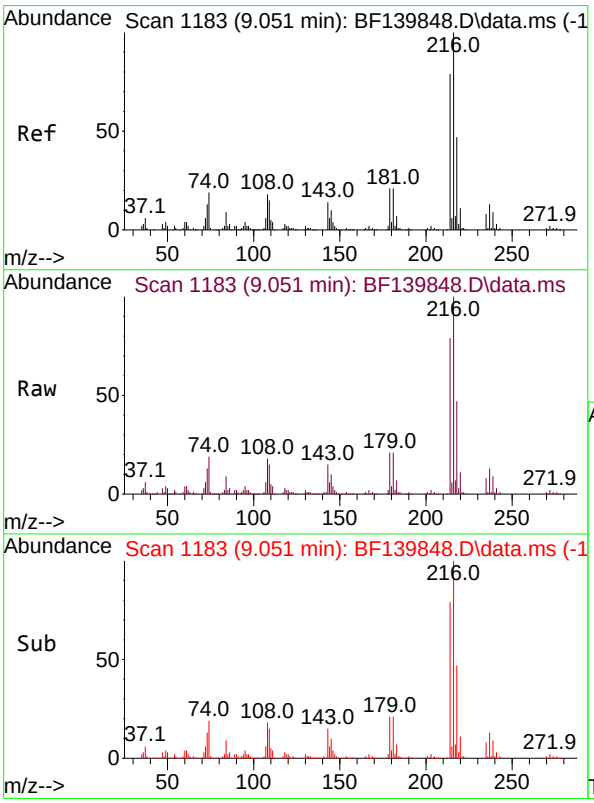
Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.0	121.4
160	44.2	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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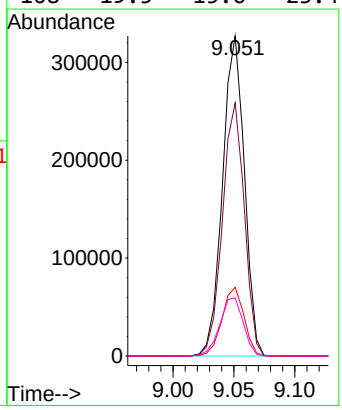
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

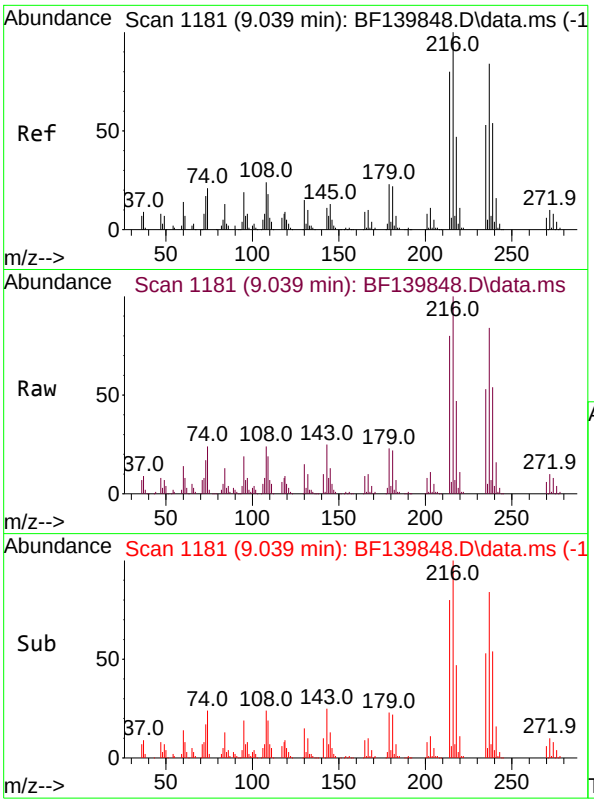


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.776 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:216 Resp: 407511

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.4	95.0
179	21.5	17.2	25.8
108	19.5	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 42.229 ng
RT: 9.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

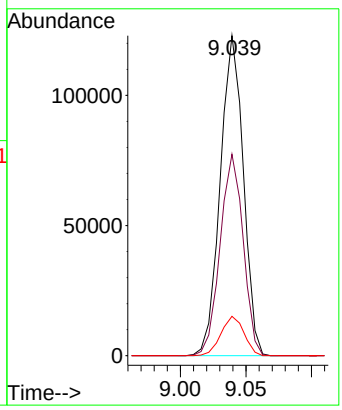
Tgt Ion:237 Resp: 15054

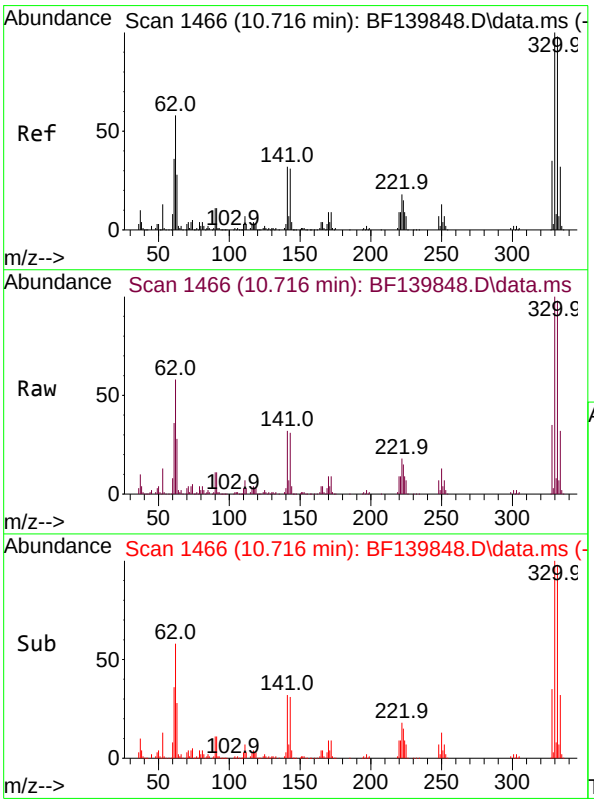
Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.3	0.0	32.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

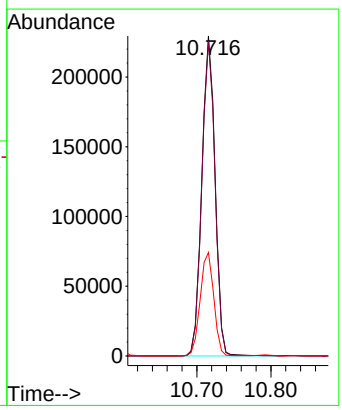


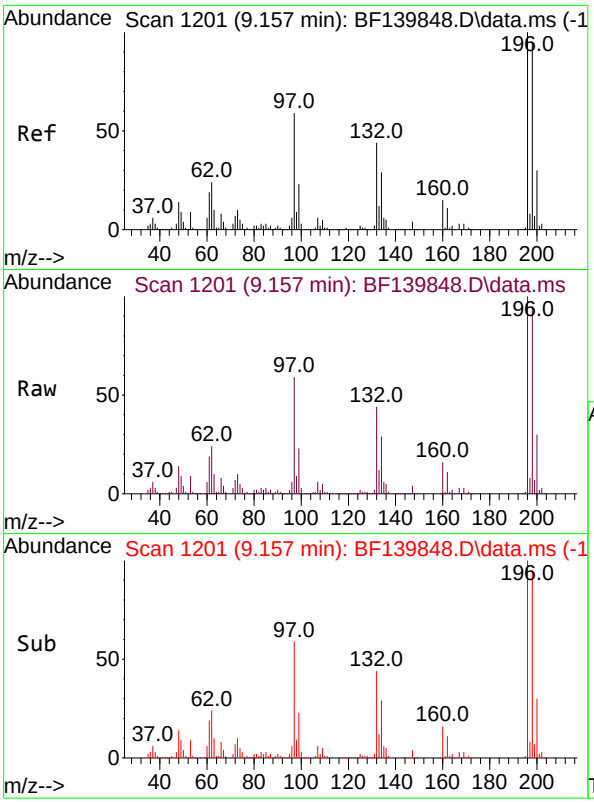


#42
2,4,6-Tribromophenol
Concen: 80.292 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:330 Resp: 285205

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	33.2	26.6	39.8

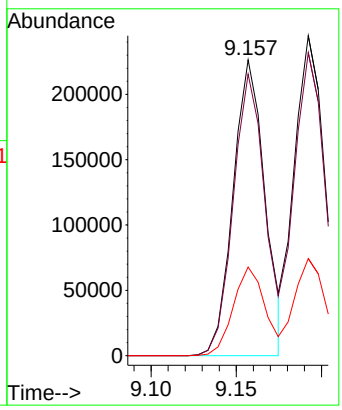




#43
2,4,6-Trichlorophenol
Concen: 40.474 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:196 Resp: 29357

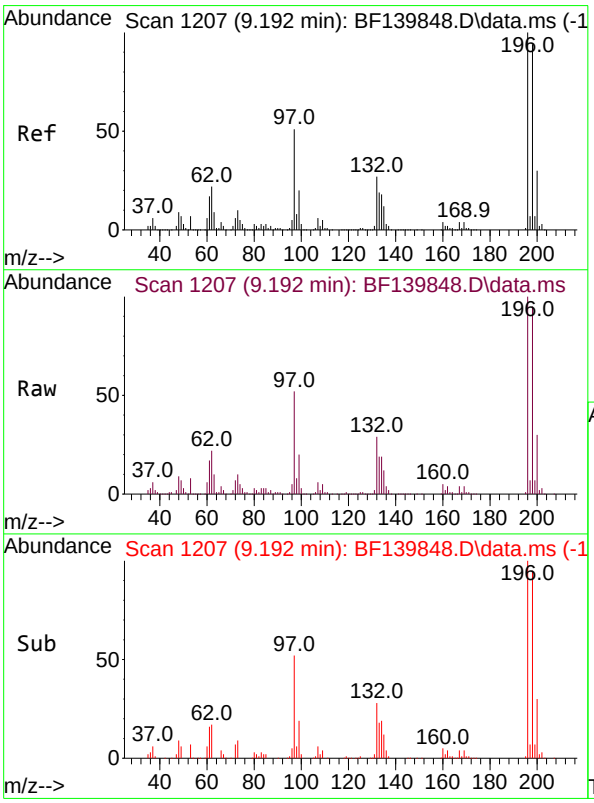
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.0	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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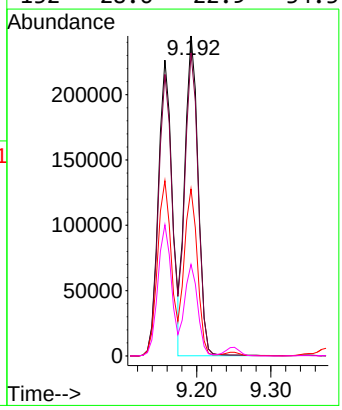
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

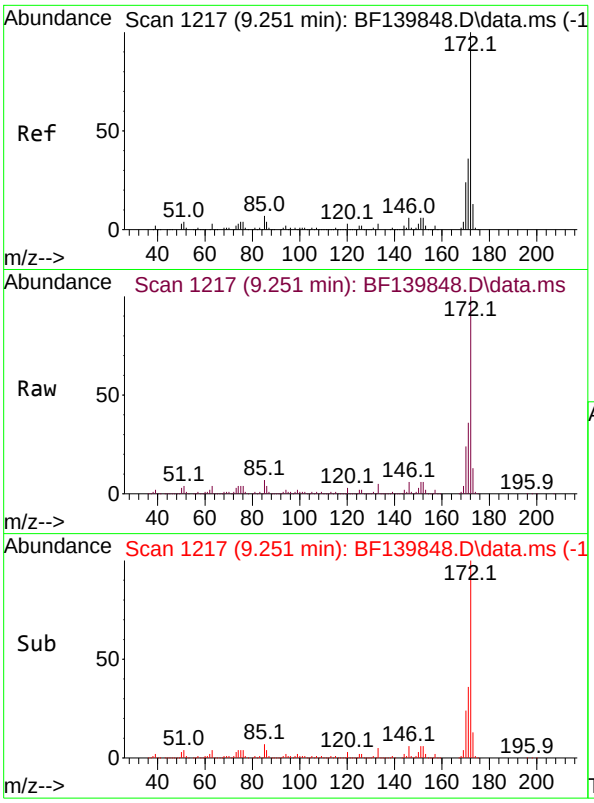


#44
2,4,5-Trichlorophenol
Concen: 40.651 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:196 Resp: 304213

Ion	Ratio	Lower	Upper
196	100		
198	94.7	75.8	113.6
97	52.2	41.8	62.6
132	28.6	22.9	34.3

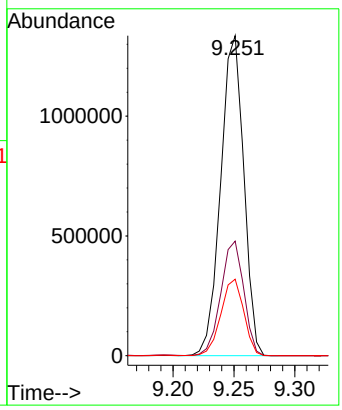




#45
2-Fluorobiphenyl
Concen: 76.791 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:172 Resp: 176449

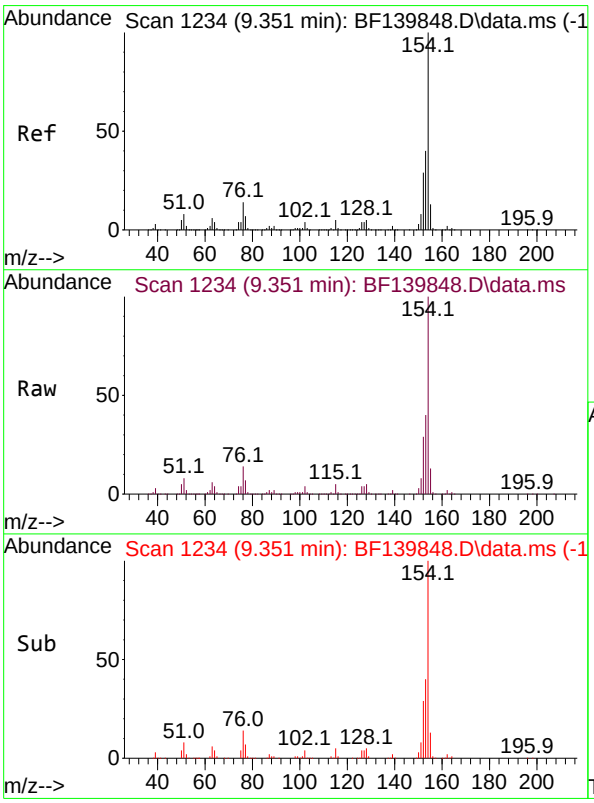
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.9	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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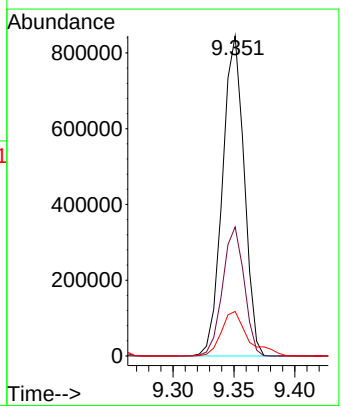
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

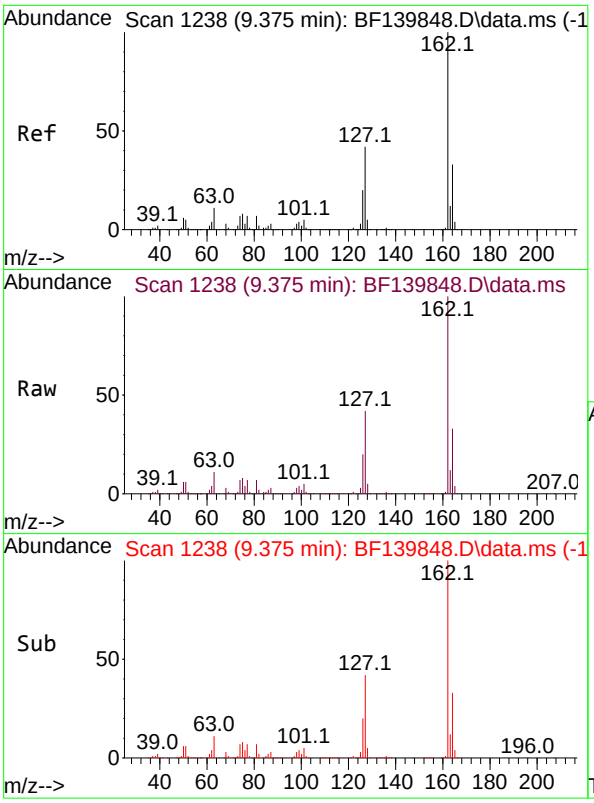


#46
1,1'-Biphenyl
Concen: 39.608 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:154 Resp: 1047094

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.9	0.0	33.9

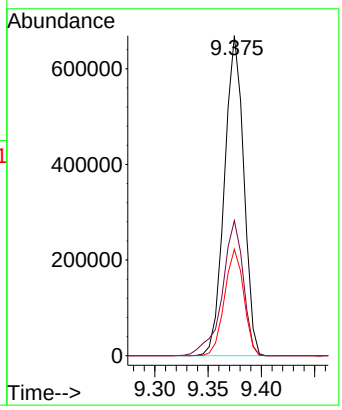




#47
2-Chloronaphthalene
Concen: 39.613 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:162 Resp: 84345

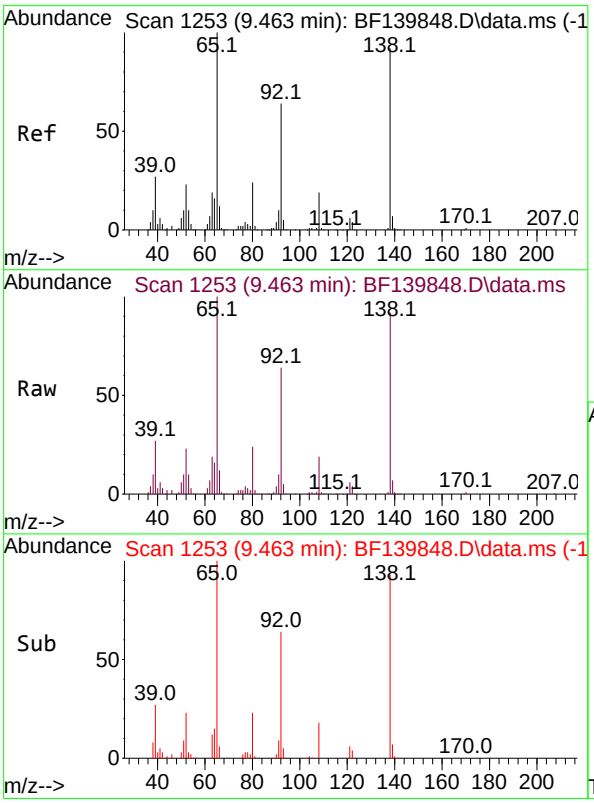
Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	33.2	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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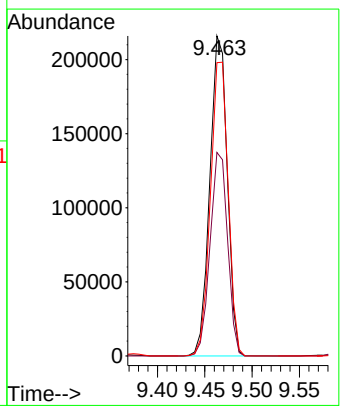
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

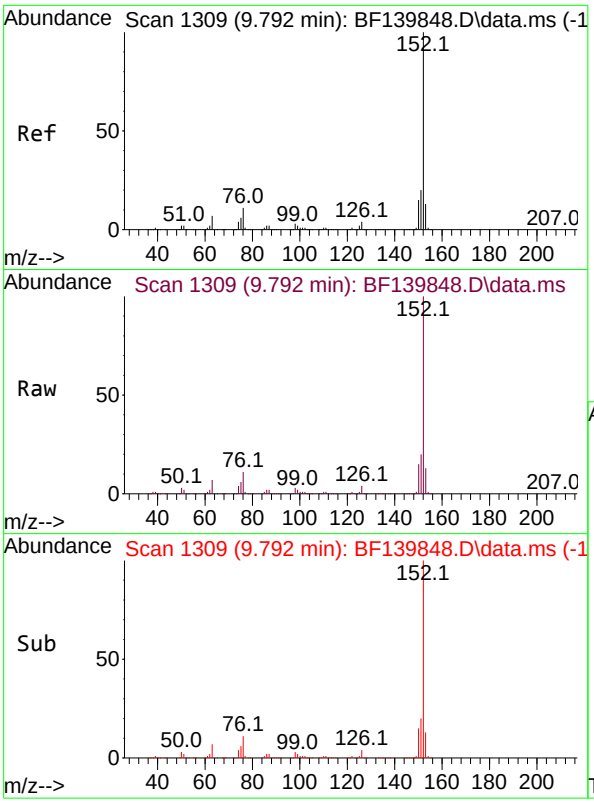


#48
2-Nitroaniline
Concen: 42.562 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 65 Resp: 277165

Ion	Ratio	Lower	Upper
65	100		
92	63.6	50.9	76.3
138	91.7	73.4	110.0

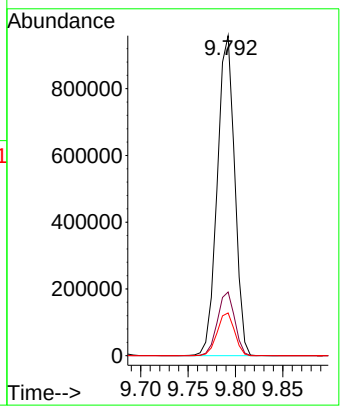




#49
Acenaphthylene
Concen: 39.837 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:152 Resp: 122627

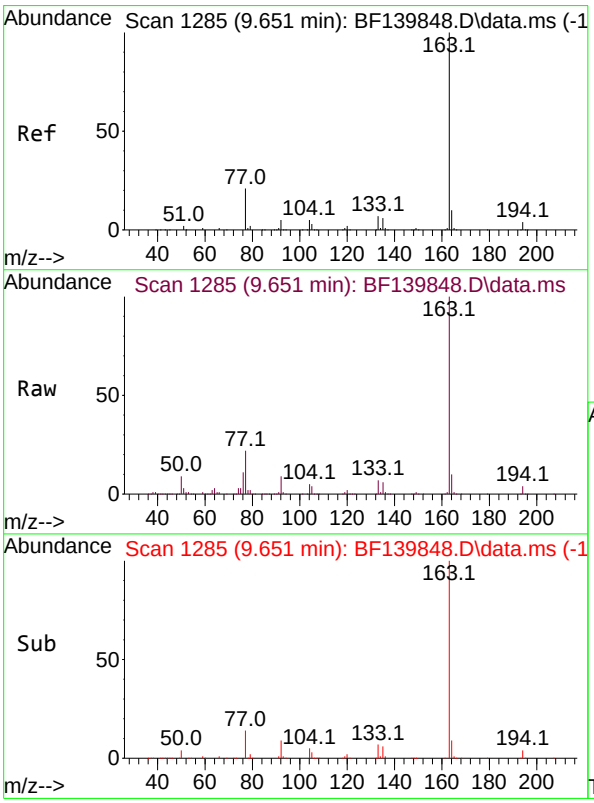
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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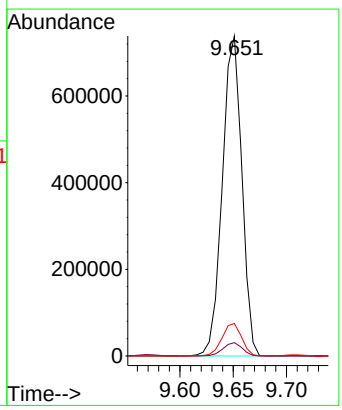
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

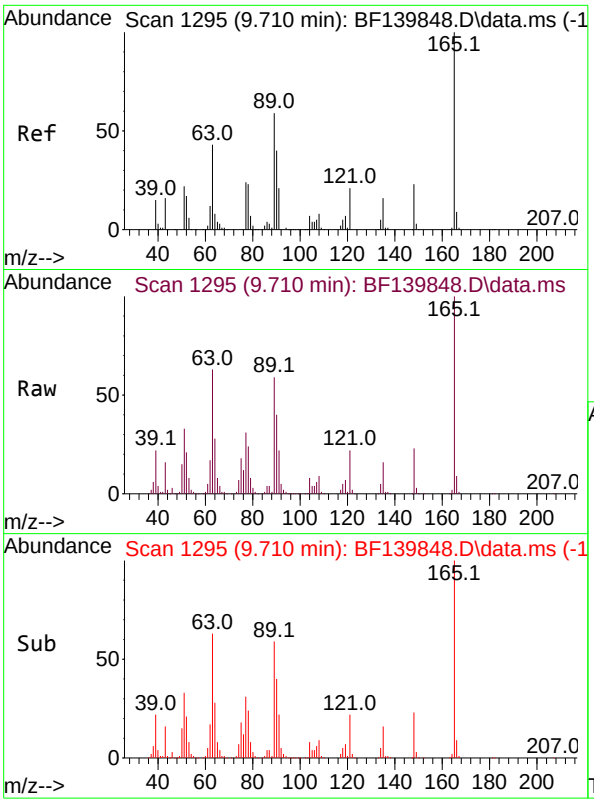


#50
Dimethylphthalate
Concen: 39.726 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:163 Resp: 939670

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2

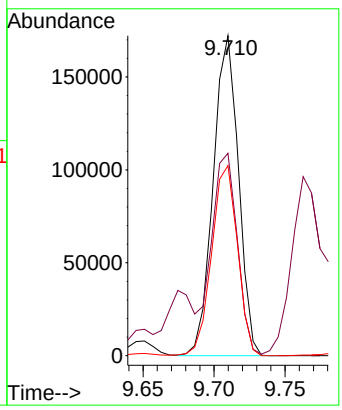




#51
2,6-Dinitrotoluene
Concen: 41.580 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:165 Resp: 21295

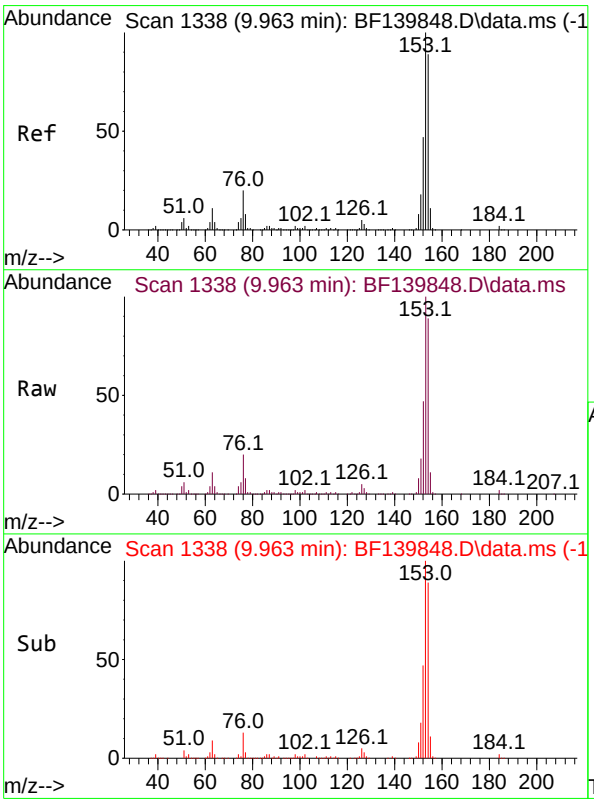
Ion	Ratio	Lower	Upper
165	100		
63	63.2	50.6	75.8
89	59.4	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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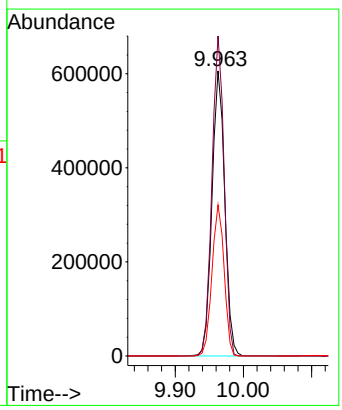
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

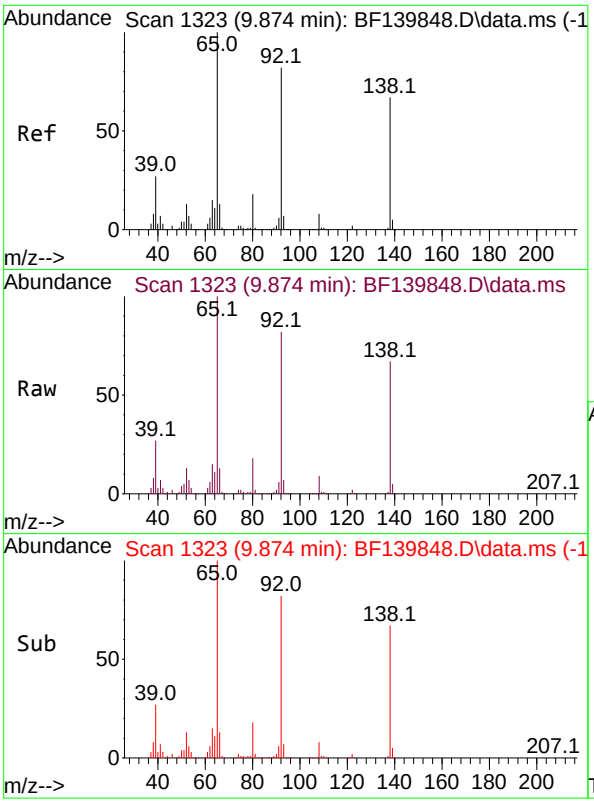


#52
Acenaphthene
Concen: 39.811 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:154 Resp: 792756

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	53.0	42.4	63.6

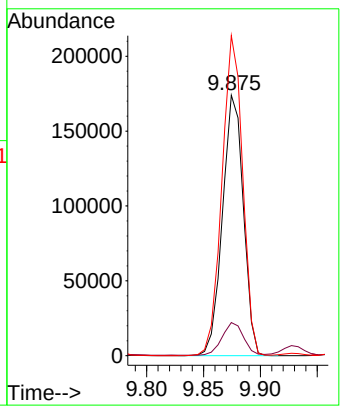




#53
3-Nitroaniline
Concen: 42.051 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:138 Resp: 22209

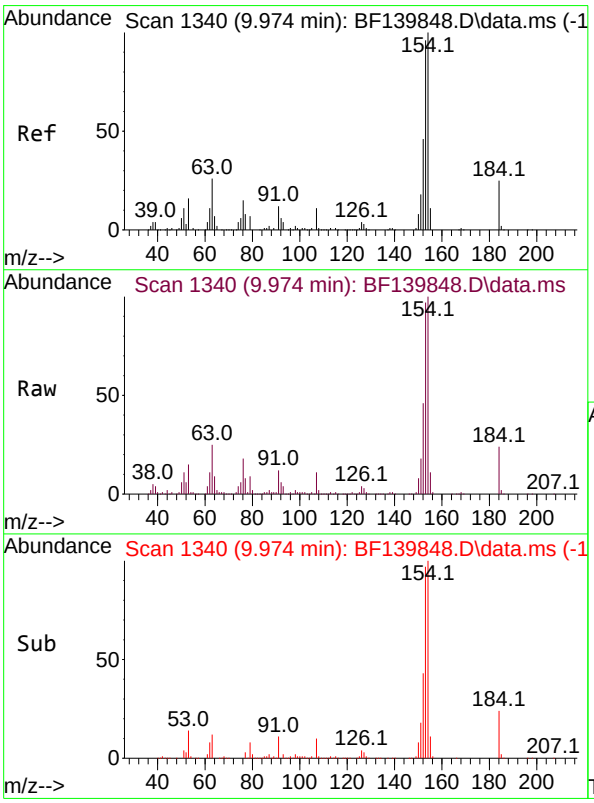
Ion	Ratio	Lower	Upper
138	100		
108	12.7	10.2	15.2
92	122.9	98.3	147.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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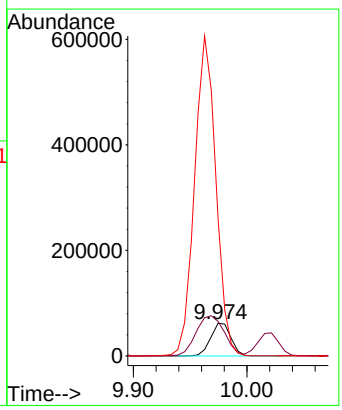
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

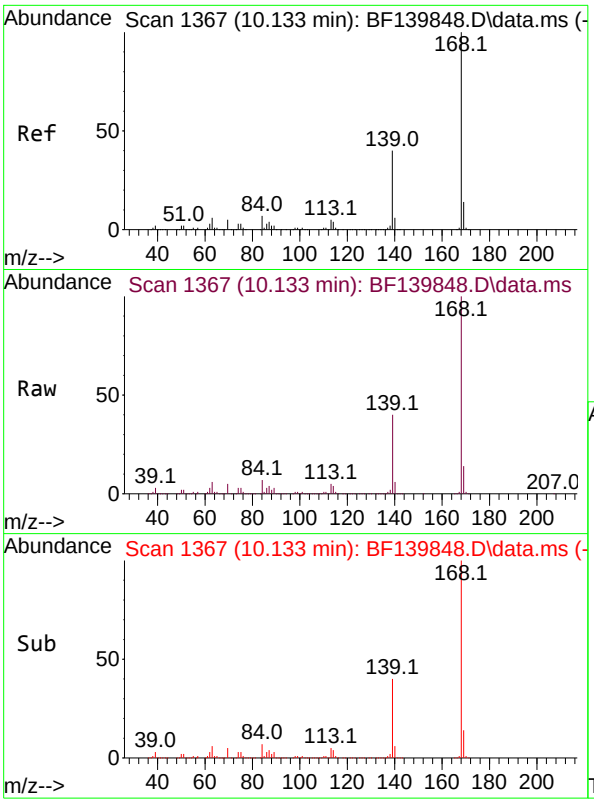


#54
2,4-Dinitrophenol
Concen: 39.739 ng
RT: 9.974 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:184 Resp: 76948

Ion	Ratio	Lower	Upper
184	100		
63	105.9	84.7	127.1
154	422.7	338.2	507.2

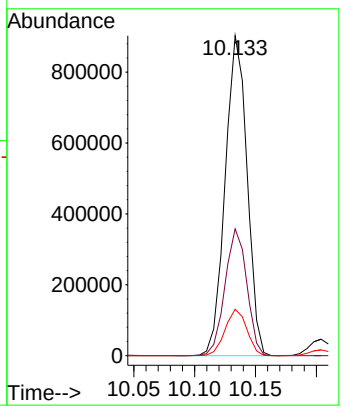




#55
Dibenzofuran
Concen: 39.505 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:168 Resp: 112867

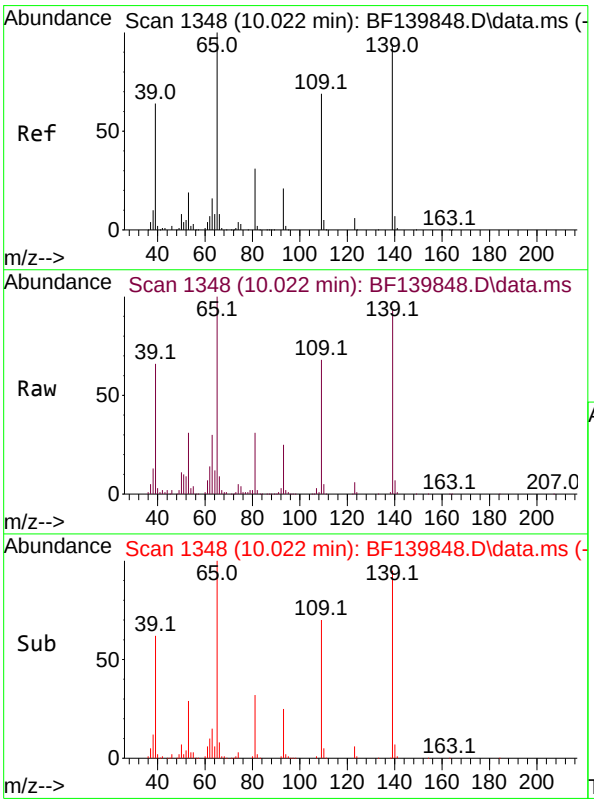
Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.8	47.6
169	14.5	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

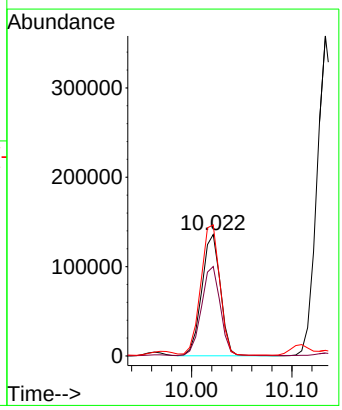
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

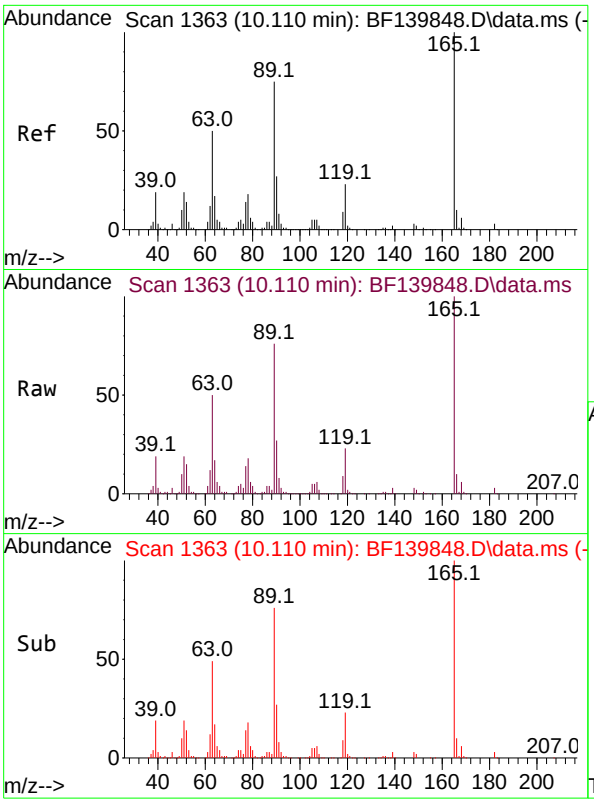


#56
4-Nitrophenol
Concen: 43.292 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:139 Resp: 175913

Ion	Ratio	Lower	Upper
139	100		
109	73.6	53.6	93.6
65	107.8	87.8	127.8

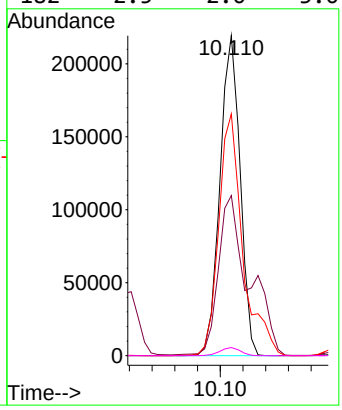




#57
2,4-Dinitrotoluene
Concen: 42.965 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:165 Resp: 27060

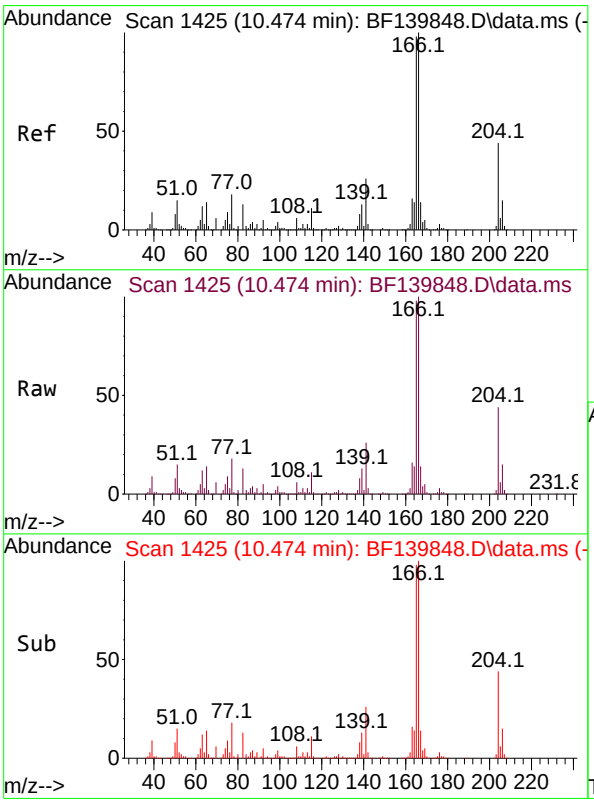
Ion	Ratio	Lower	Upper
165	100		
63	50.1	40.1	60.1
89	75.5	60.4	90.6
182	2.5	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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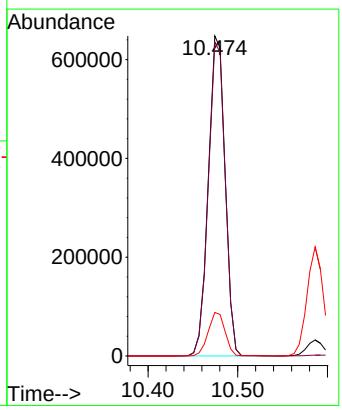
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

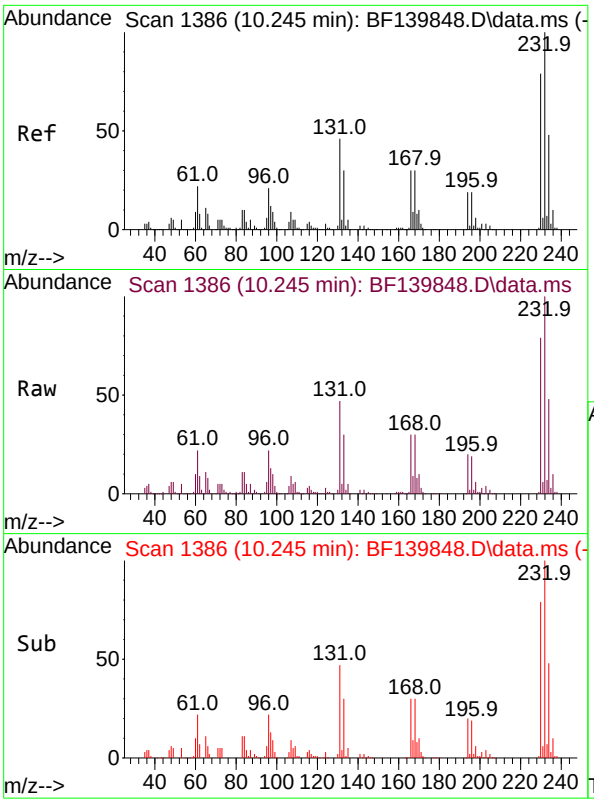


#58
Fluorene
Concen: 38.742 ng
RT: 10.474 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:166 Resp: 843048

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	13.6	10.9	16.3

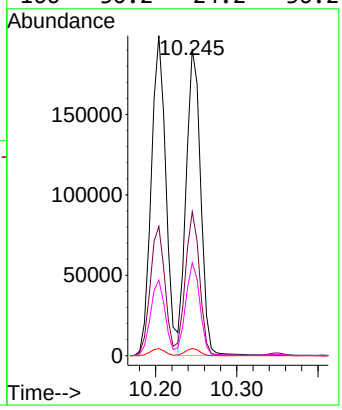




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.087 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:232 Resp: 23517

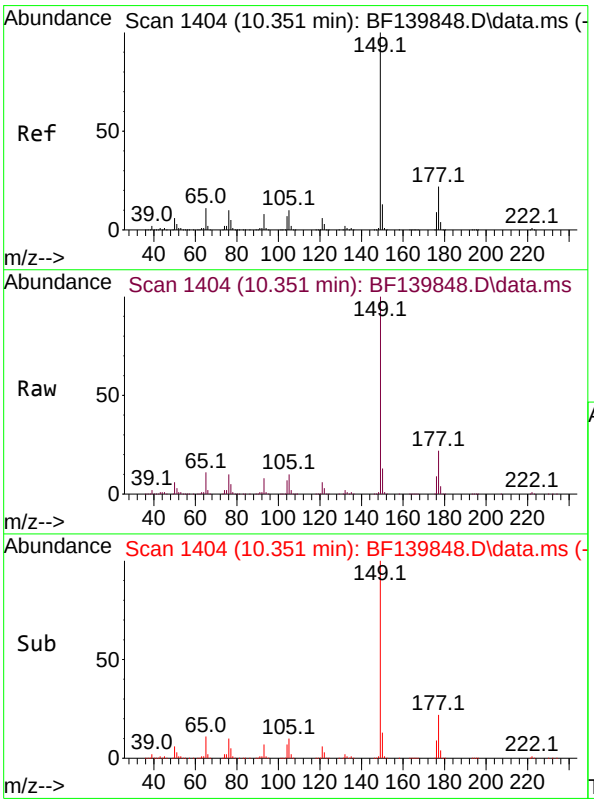
Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.0	55.6
130	2.4	1.9	2.9
166	30.2	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

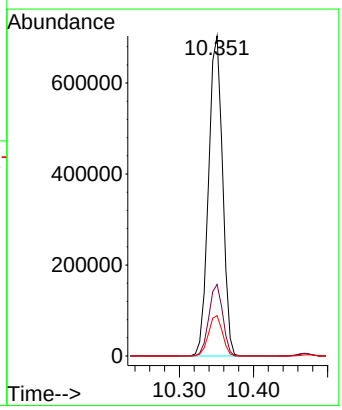
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

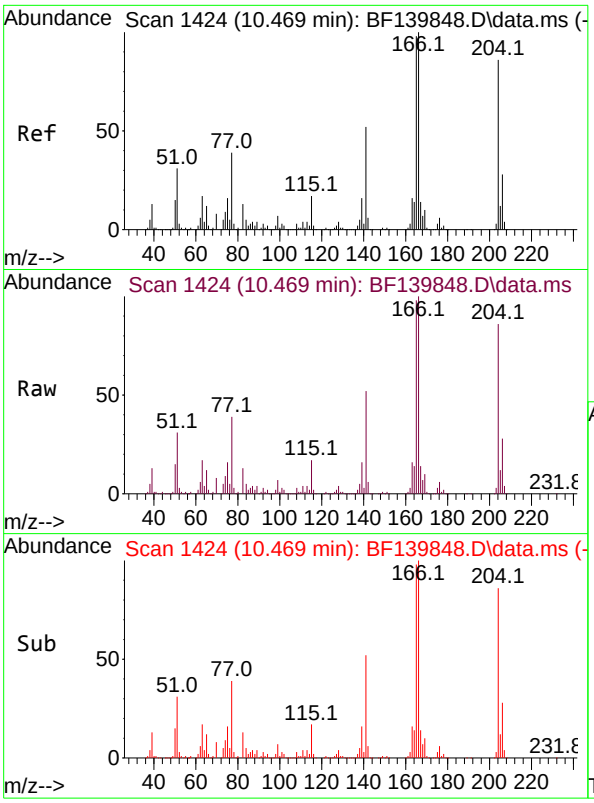


#60
Diethylphthalate
Concen: 39.715 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:149 Resp: 922384

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.347 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

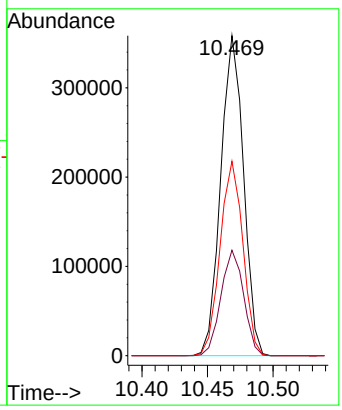
Tgt Ion:204 Resp: 43239

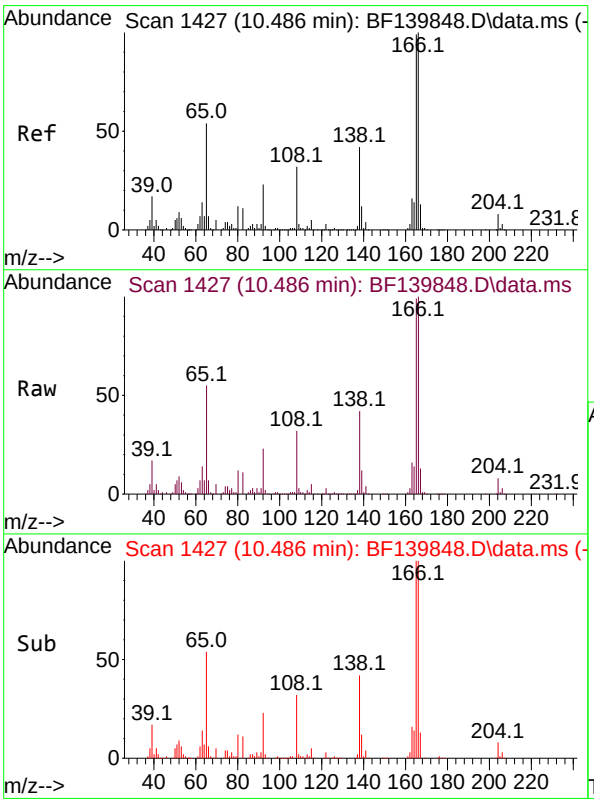
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	60.8	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

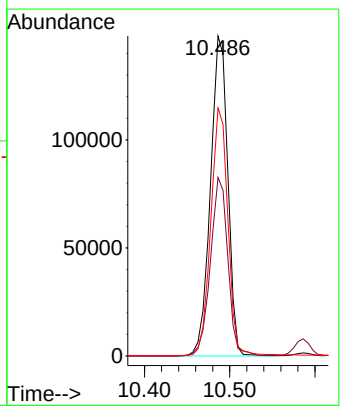


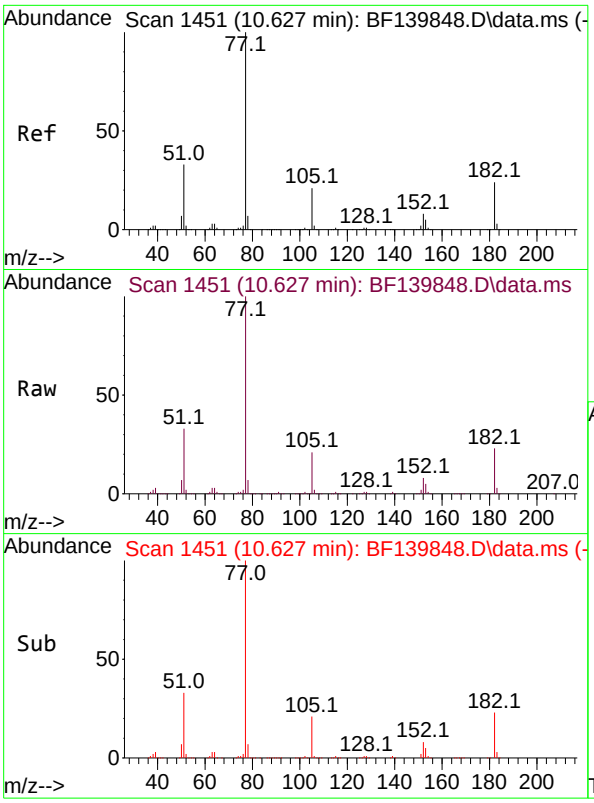


#62
4-Nitroaniline
Concen: 41.884 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:138 Resp: 208926

Ion	Ratio	Lower	Upper
138	100		
92	55.7	35.7	75.7
108	77.5	57.5	97.5

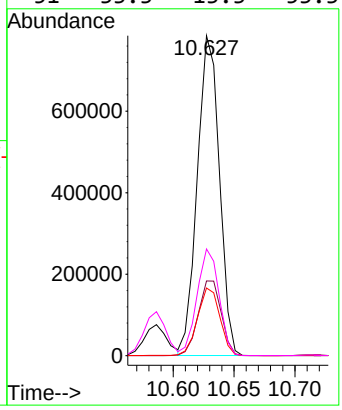




#63
Azobenzene
Concen: 40.289 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion: 77 Resp: 99198

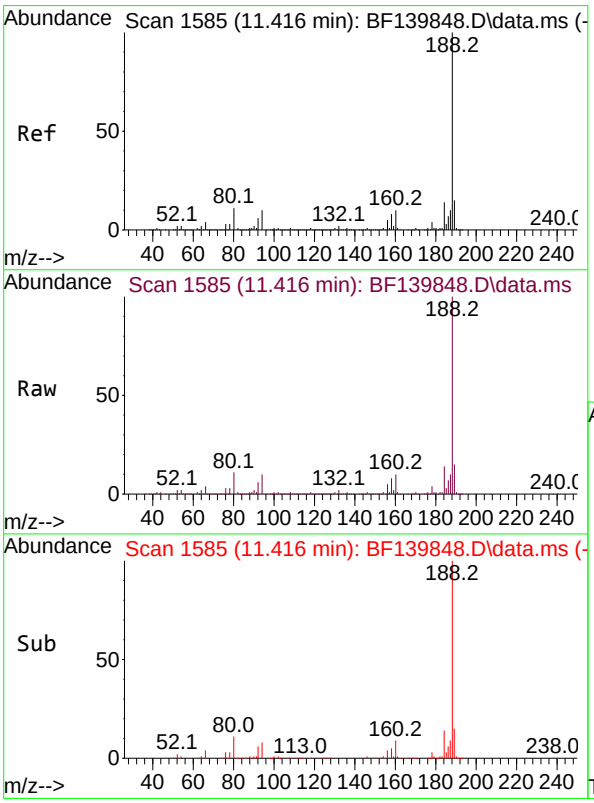
Ion	Ratio	Lower	Upper
77	100		
182	23.3	3.3	43.3
105	21.2	1.2	41.2
51	33.3	13.3	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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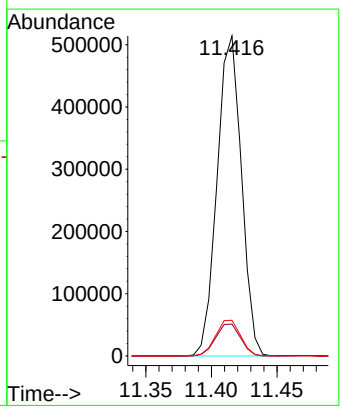
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

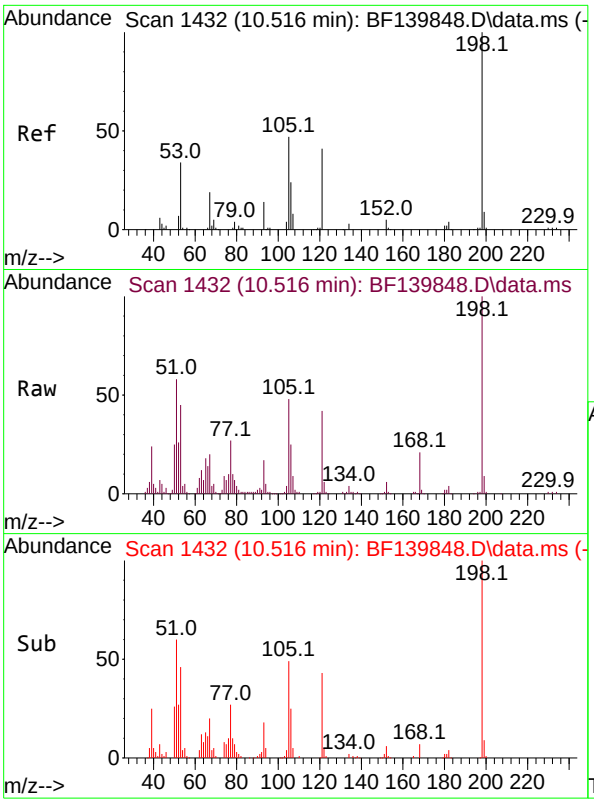


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:188 Resp: 663459

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.9	11.9
80	11.2	9.0	13.4

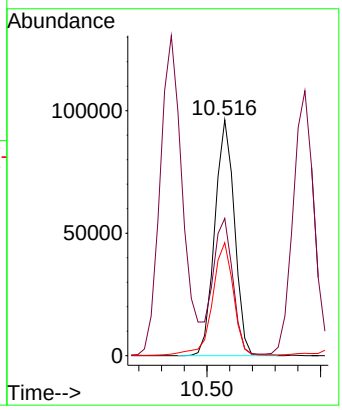




#65
4,6-Dinitro-2-methylphenol
Concen: 42.799 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:198 Resp: 11582

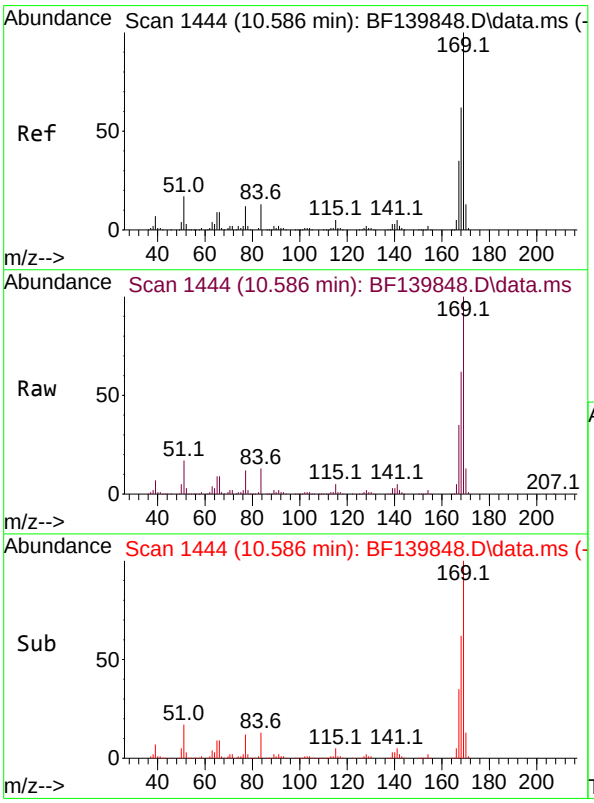
Ion	Ratio	Lower	Upper
198	100		
51	58.2	38.2	78.2
105	47.9	27.9	67.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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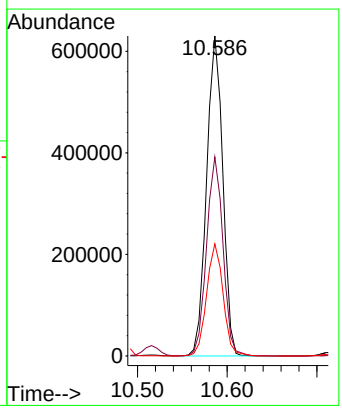
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

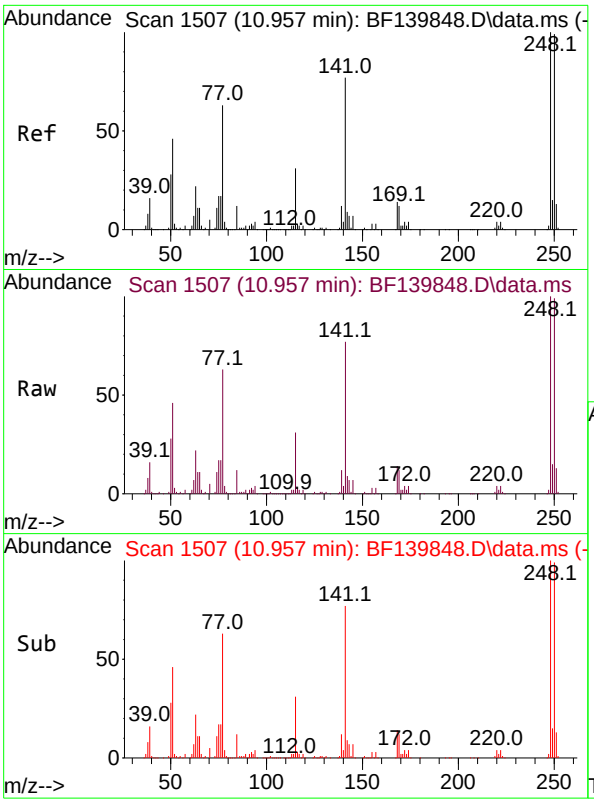


#66
n-Nitrosodiphenylamine
Concen: 39.772 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:169 Resp: 789753

Ion	Ratio	Lower	Upper
169	100		
168	62.2	49.8	74.6
167	35.0	28.0	42.0

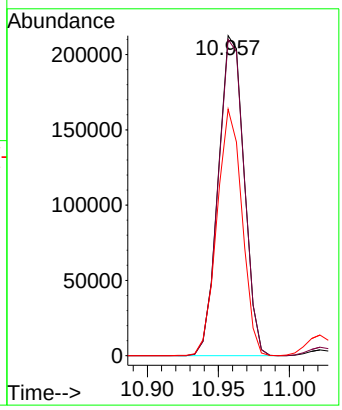




#67
4-Bromophenyl-phenylether
Concen: 39.285 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:248 Resp: 26850

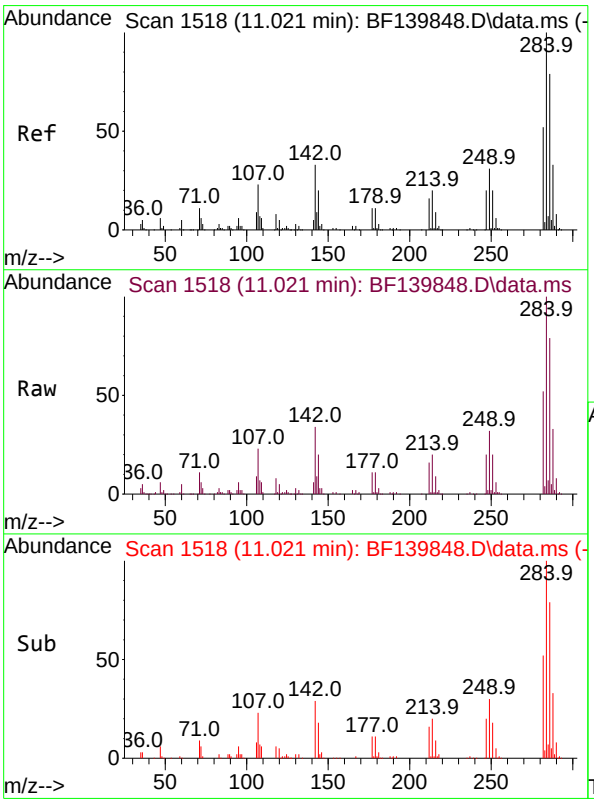
Ion	Ratio	Lower	Upper
248	100		
250	98.8	79.0	118.6
141	77.1	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

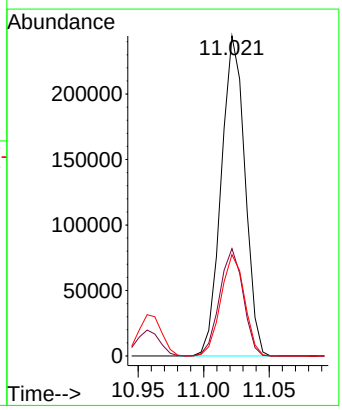
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

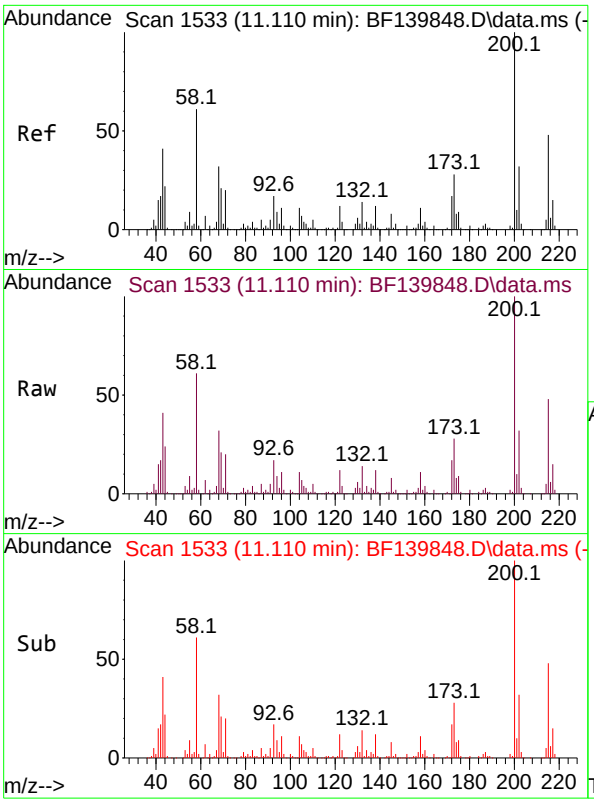


#68
Hexachlorobenzene
Concen: 39.927 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:284 Resp: 306919

Ion	Ratio	Lower	Upper
284	100		
142	33.6	26.9	40.3
249	31.6	25.3	37.9

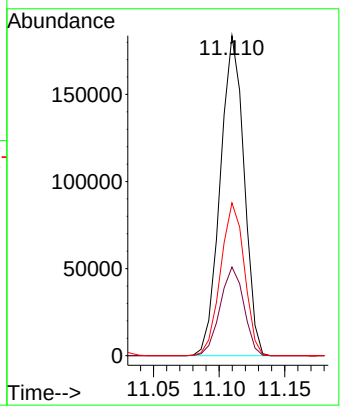




#69
Atrazine
Concen: 43.145 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:200 Resp: 23207

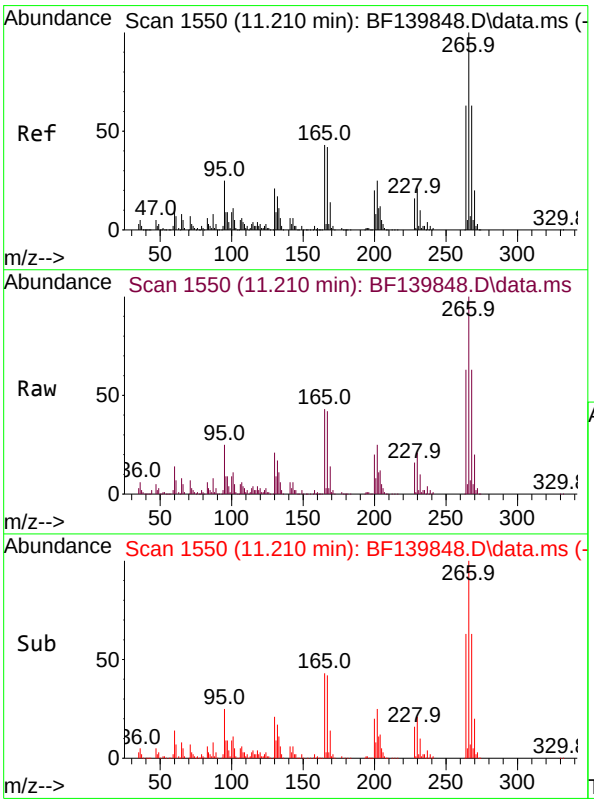
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.7	47.7
215	47.7	27.7	67.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

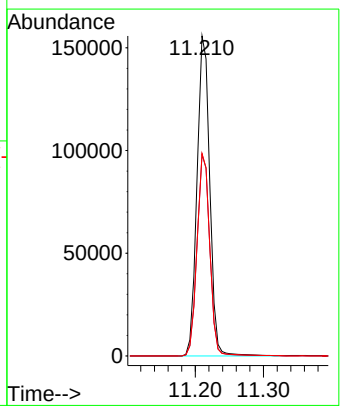
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

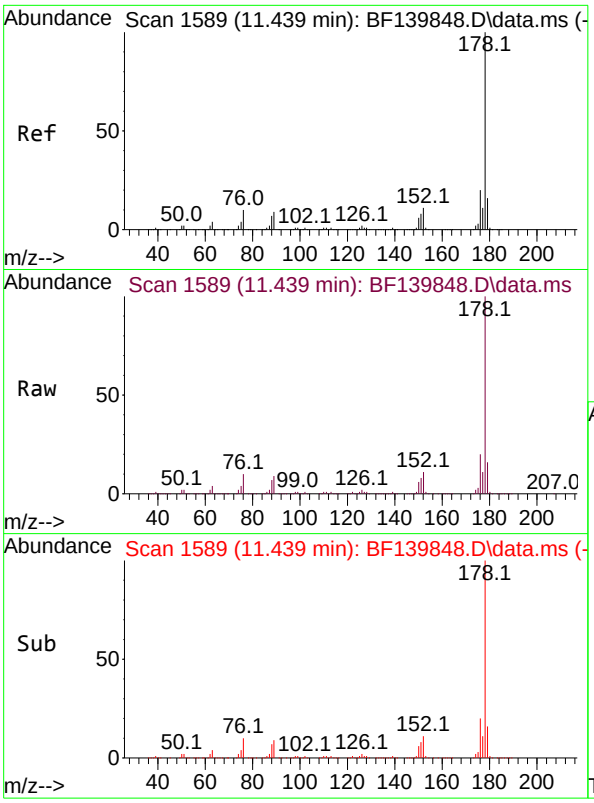


#70
Pentachlorophenol
Concen: 43.204 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:266 Resp: 201559

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.4	75.6
264	63.2	50.6	75.8

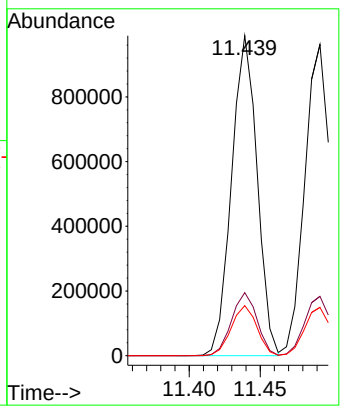




#71
Phenanthrene
Concen: 39.508 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:178 Resp: 123815

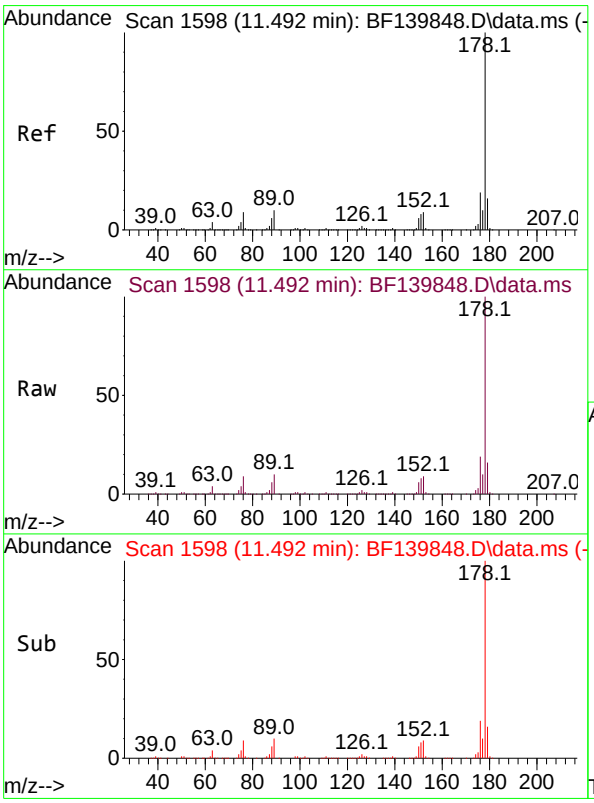
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.7	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

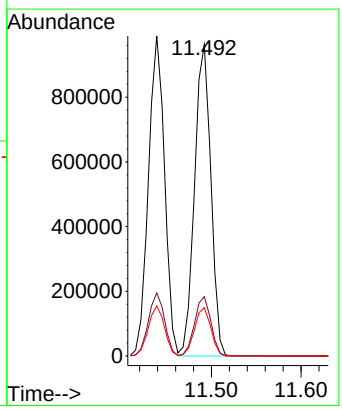
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

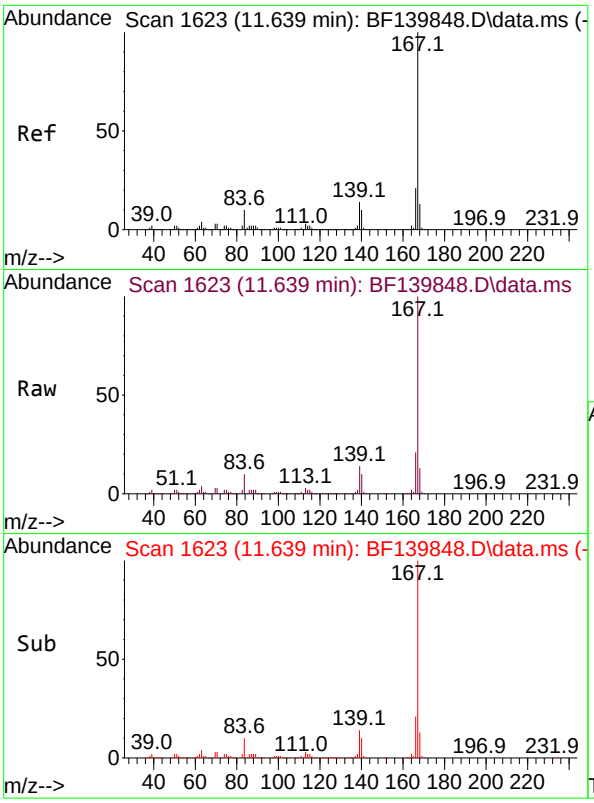


#72
Anthracene
Concen: 39.628 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:178 Resp: 1211718

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.4	18.6

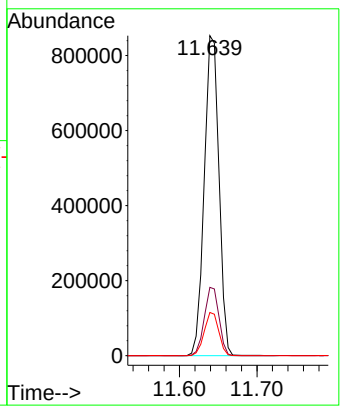




#73
Carbazole
Concen: 39.475 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:167 Resp: 112256

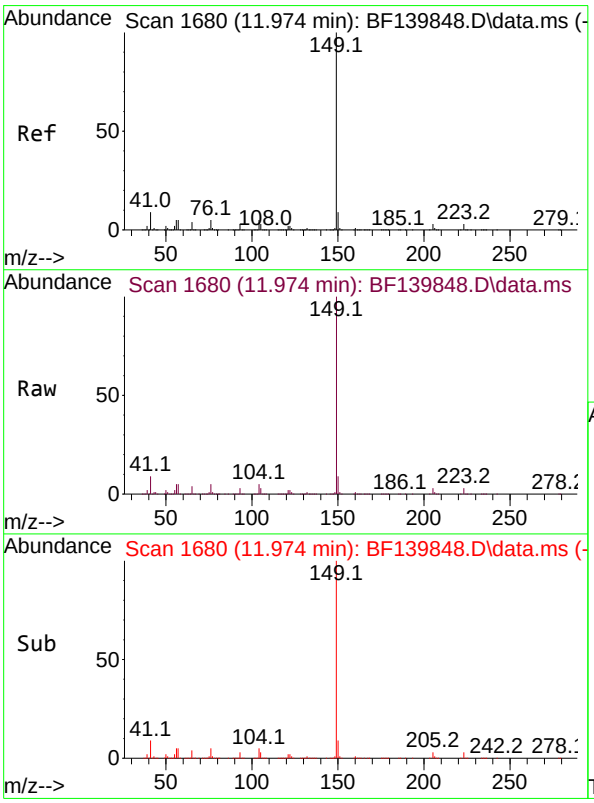
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

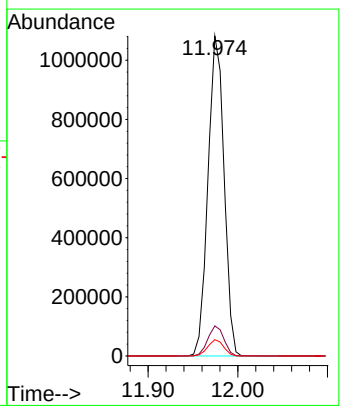
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

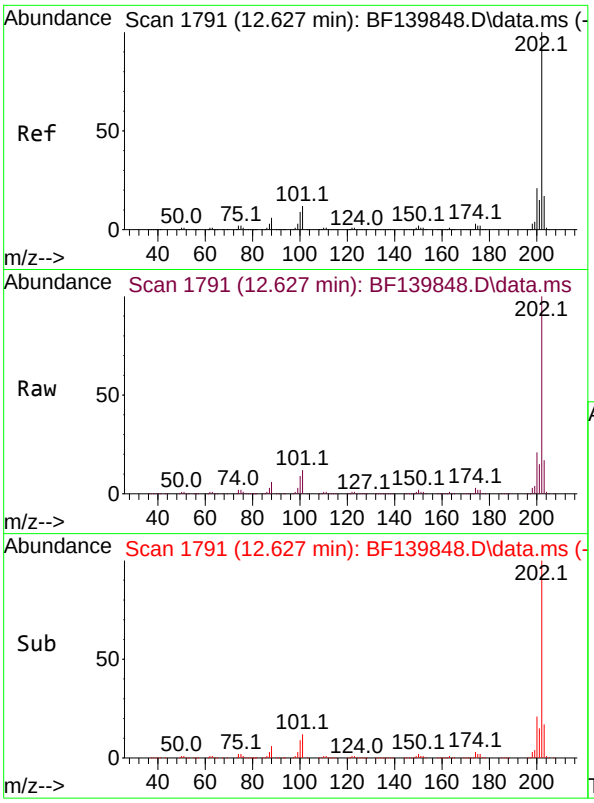


#74
Di-n-butylphthalate
Concen: 40.965 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:149 Resp: 1345878

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1





#75
Fluoranthene
Concen: 39.493 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

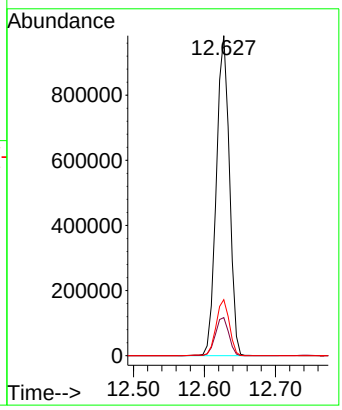
Tgt Ion:202 Resp: 125120

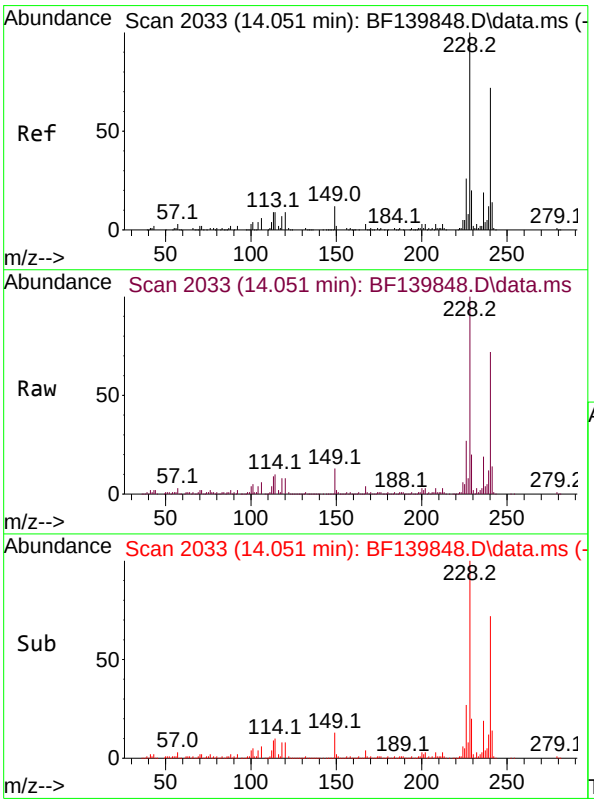
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.9
203	17.5	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

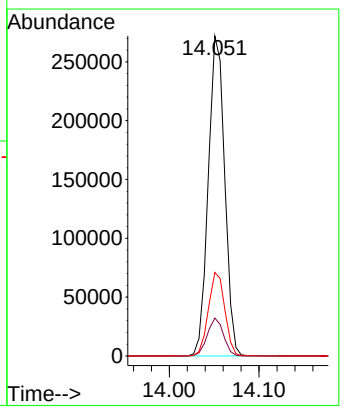


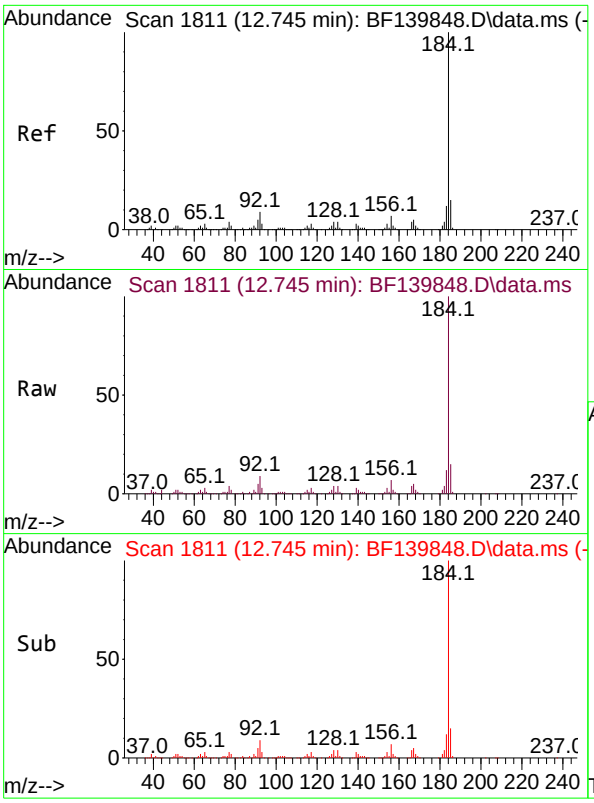


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:240 Resp: 345800

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	26.1	20.9	31.3

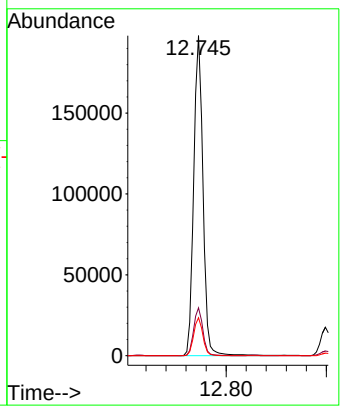




#77
Benzidine
Concen: 44.967 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:184 Resp: 25289

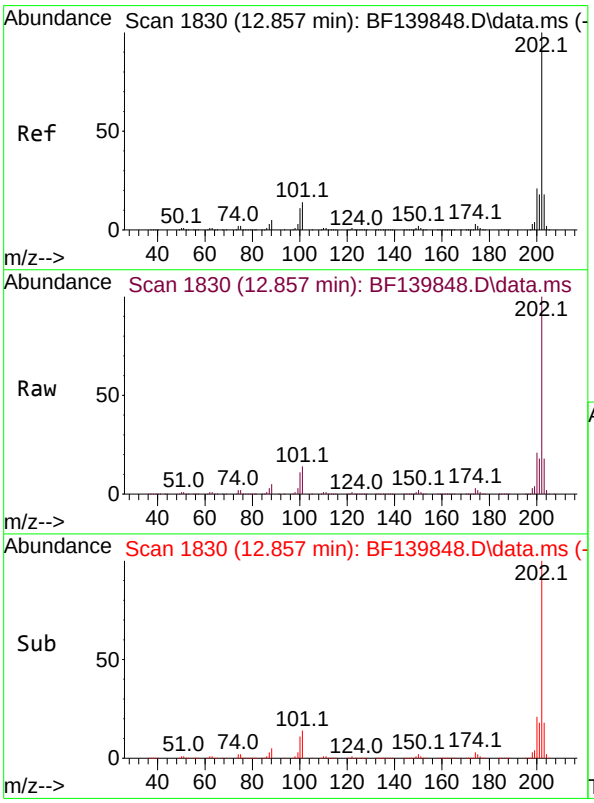
Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.0	18.0
183	11.8	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

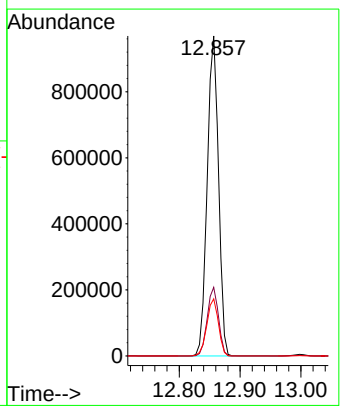
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

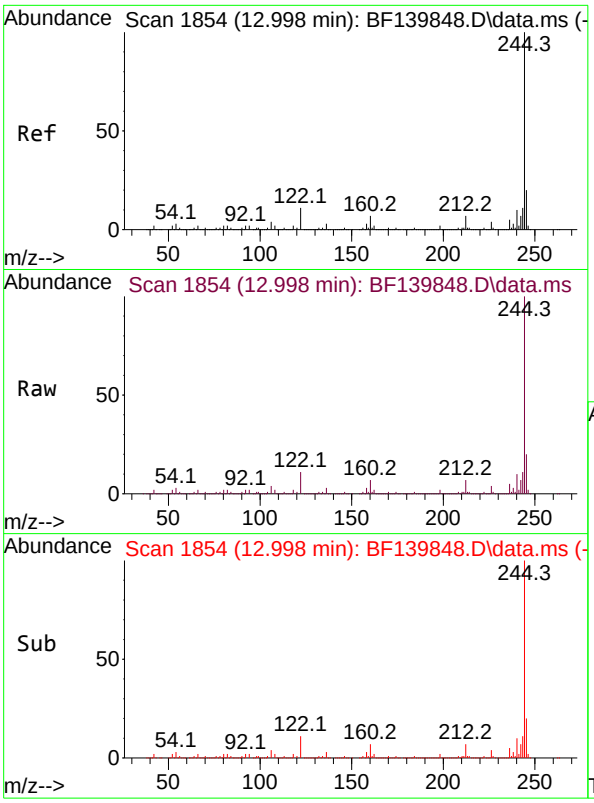


#78
Pyrene
Concen: 41.241 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:202 Resp: 1248309

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.8	14.2	21.4

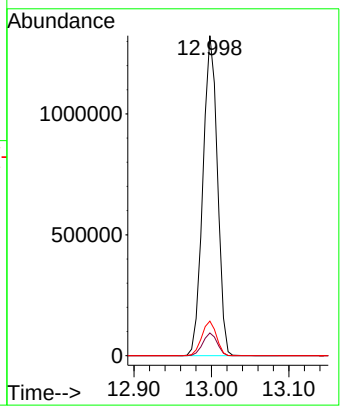




#79
Terphenyl-d14
Concen: 81.103 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:244 Resp: 172112

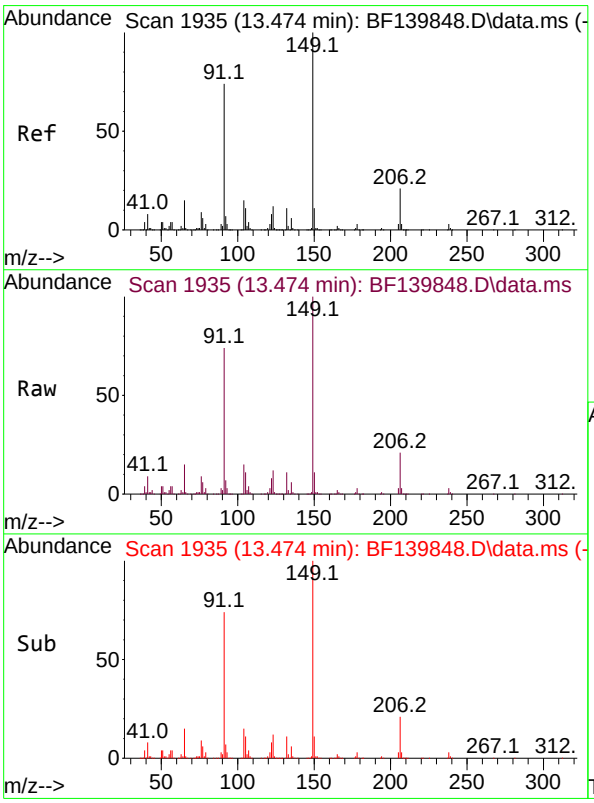
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.8	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

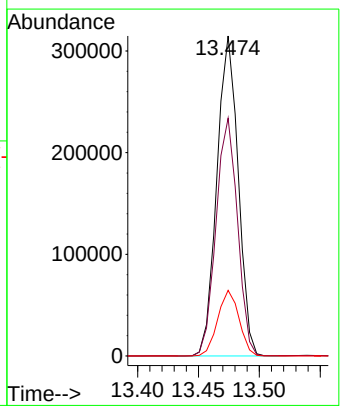
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

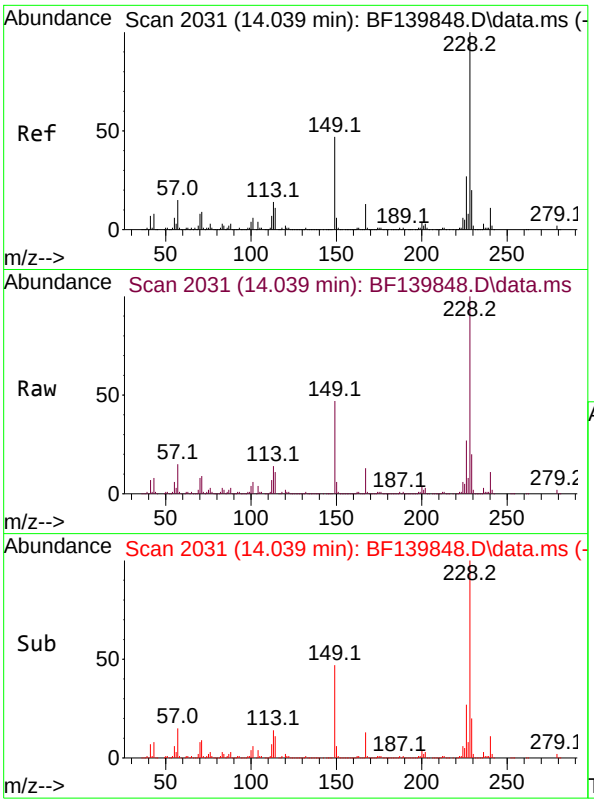


#80
Butylbenzylphthalate
Concen: 42.297 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:149 Resp: 383831

Ion	Ratio	Lower	Upper
149	100		
91	74.3	59.4	89.2
206	20.5	16.4	24.6

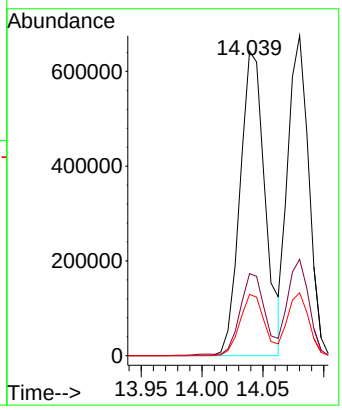




#81
Benzo(a)anthracene
Concen: 40.901 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:228 Resp: 92069

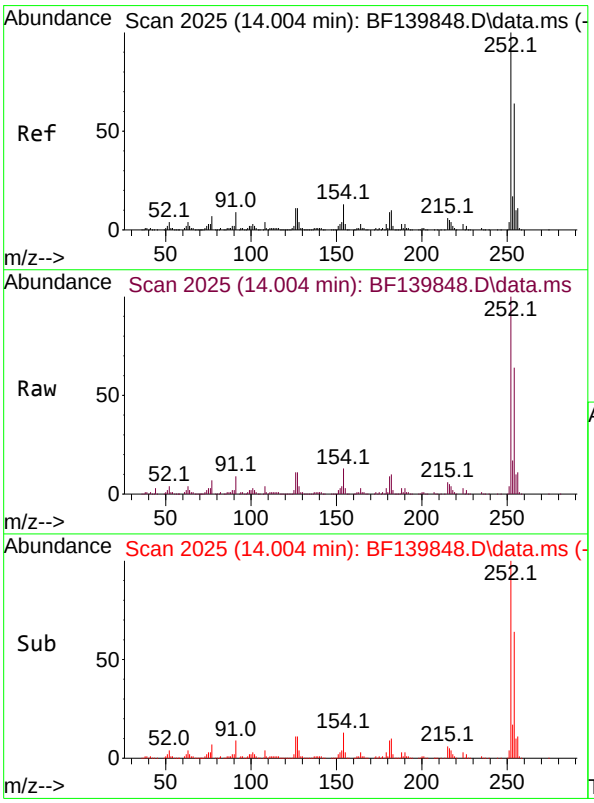
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.6	32.4
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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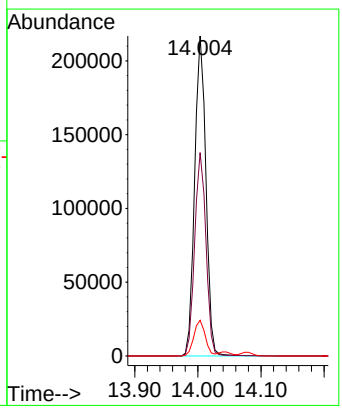
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

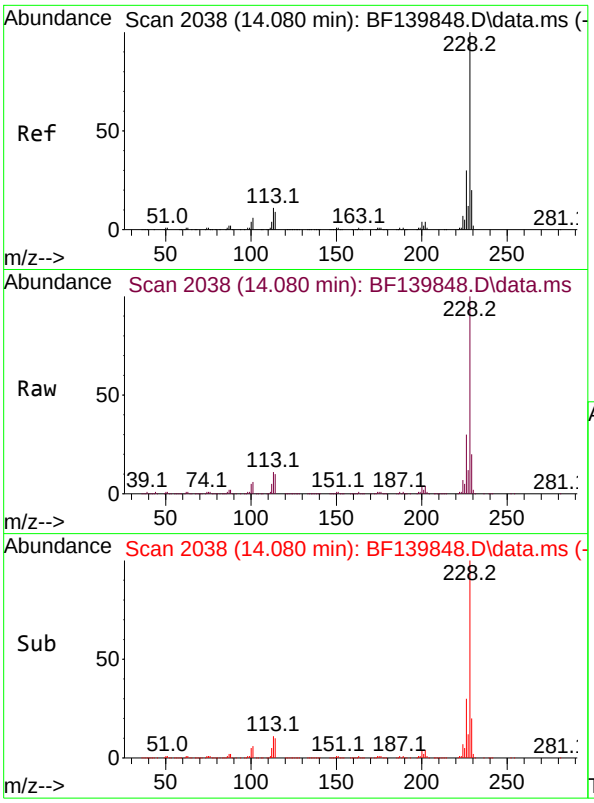


#82
3,3'-Dichlorobenzidine
Concen: 40.798 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 267769

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	11.1	8.9	13.3

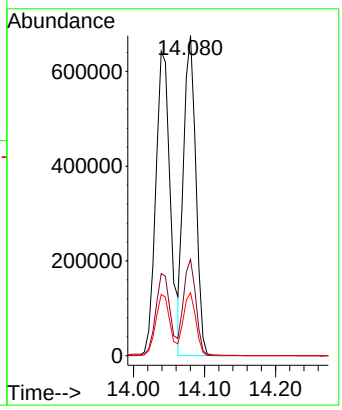




#83
Chrysene
Concen: 39.098 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:228 Resp: 80695

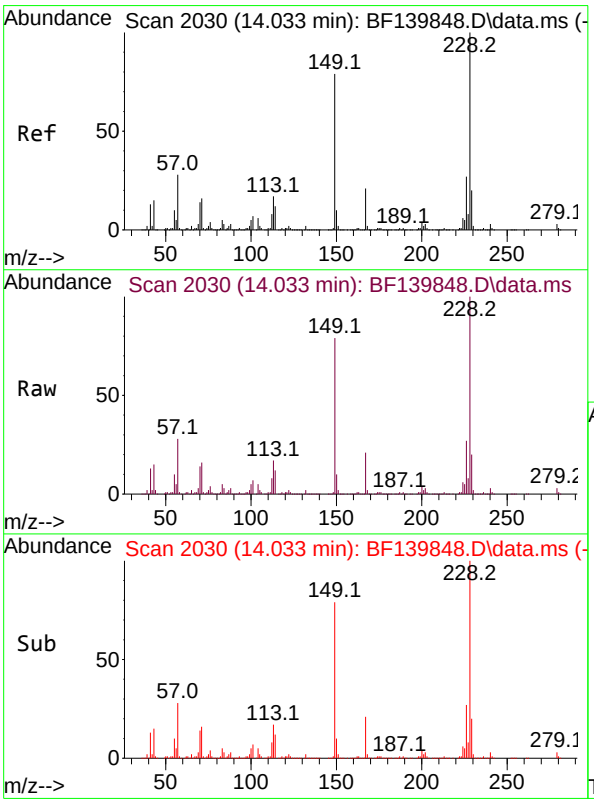
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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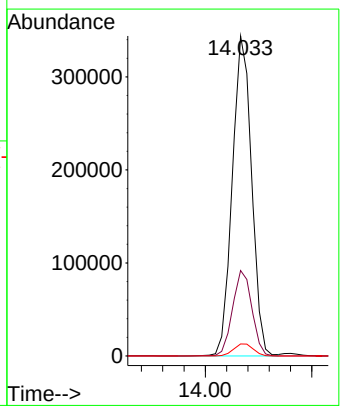
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

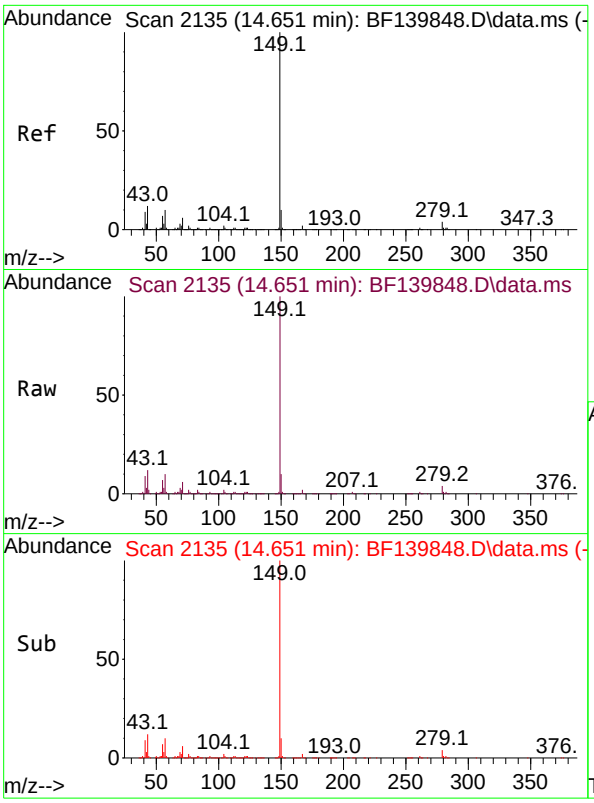


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.504 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:149 Resp: 432750

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	3.7	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 42.399 ng
RT: 14.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

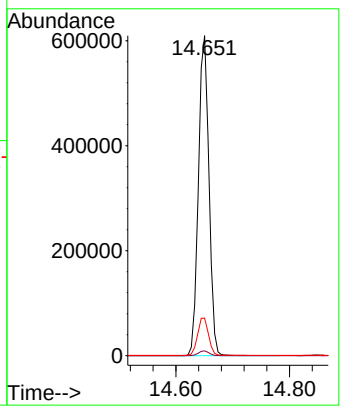
Tgt Ion:149 Resp: 78517

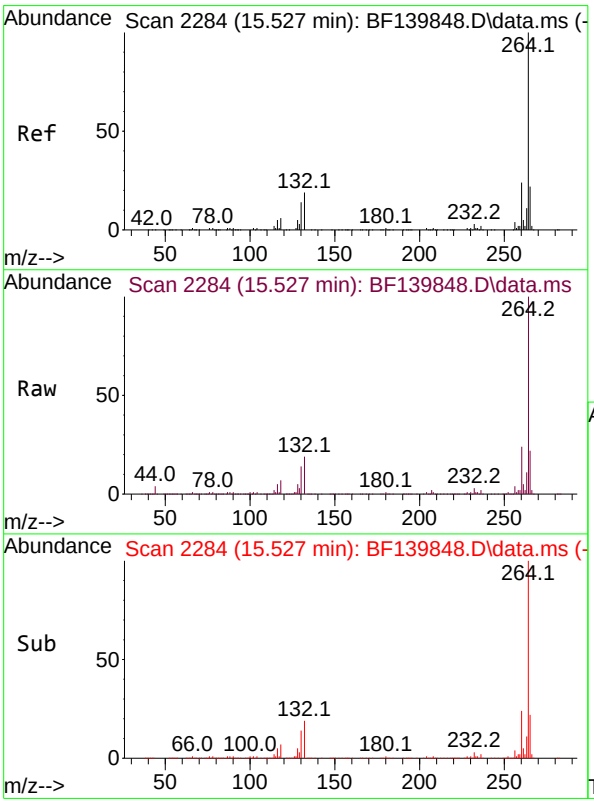
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.2	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

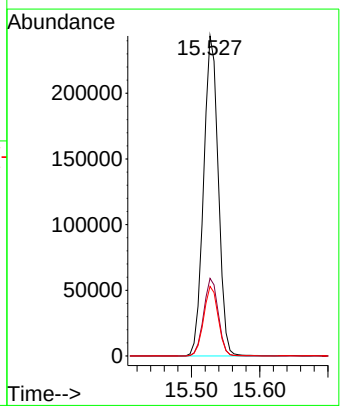


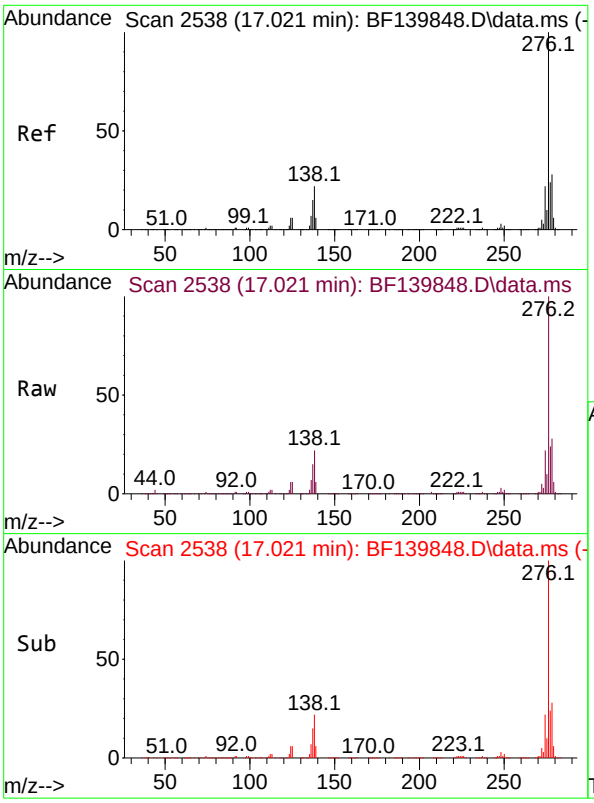


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:264 Resp: 365076

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.7	17.4	26.0

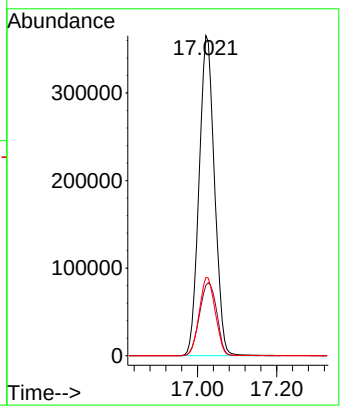




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.039 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:276 Resp: 98734

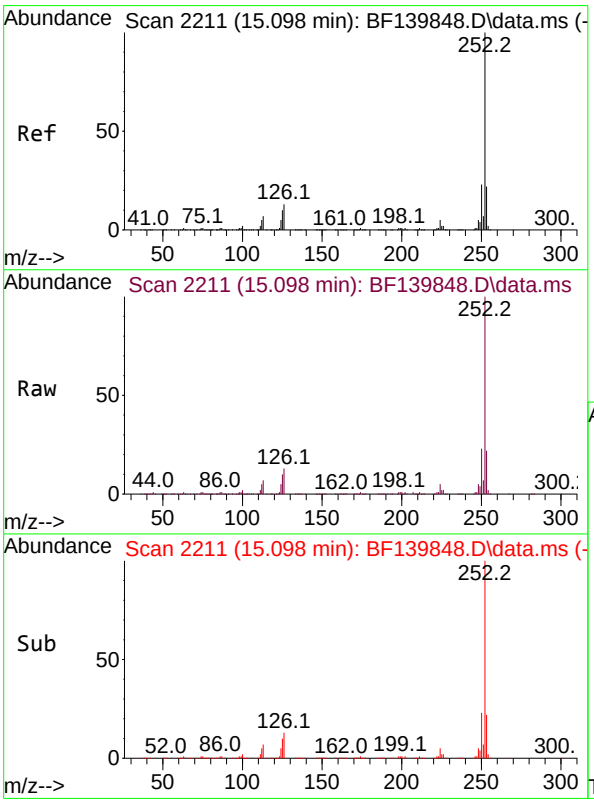
Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.4	30.6
277	25.3	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

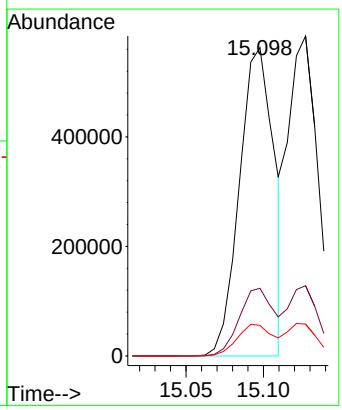
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

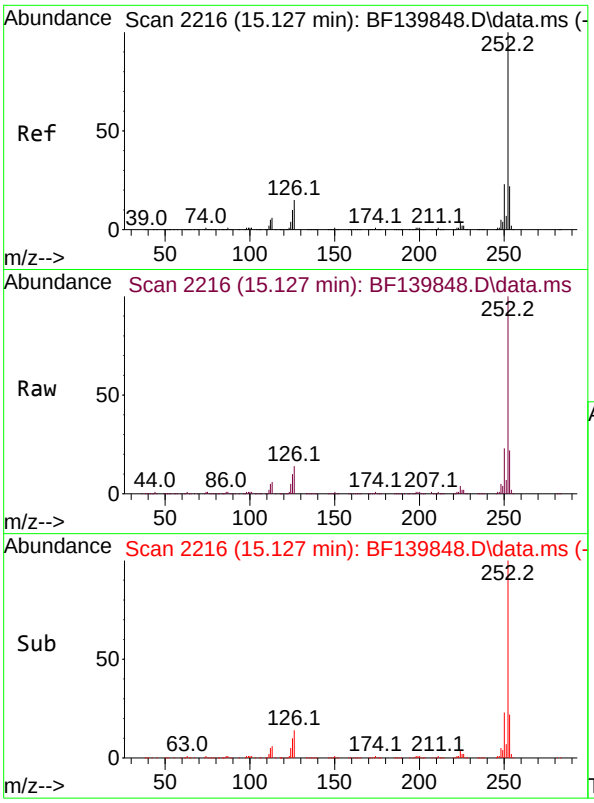


#88
Benzo(b)fluoranthene
Concen: 39.263 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 873168

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.9	7.9	11.9

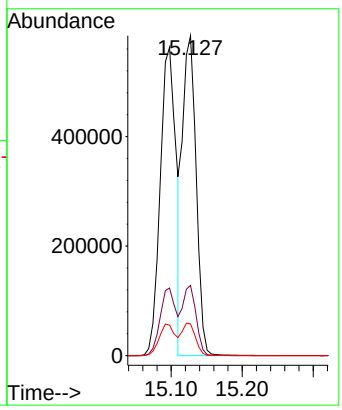




#89
Benzo(k)fluoranthene
Concen: 40.589 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 77847

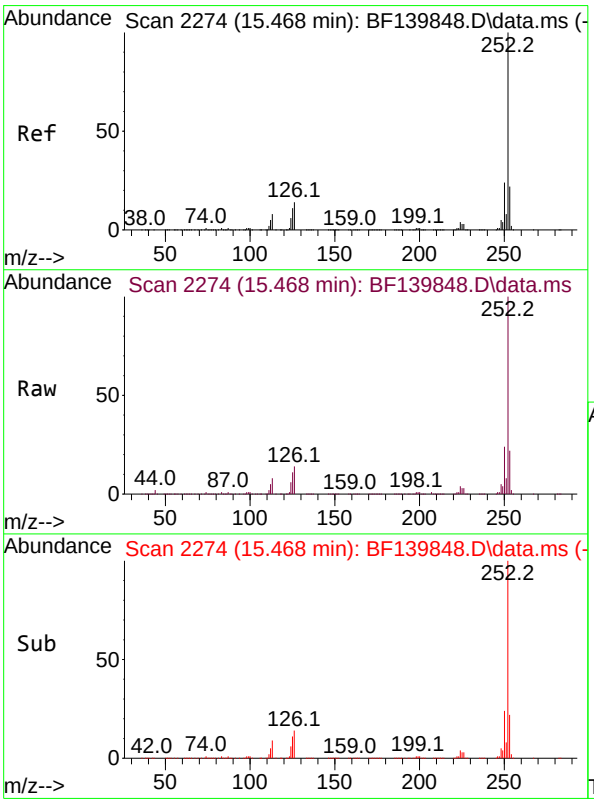
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.9	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

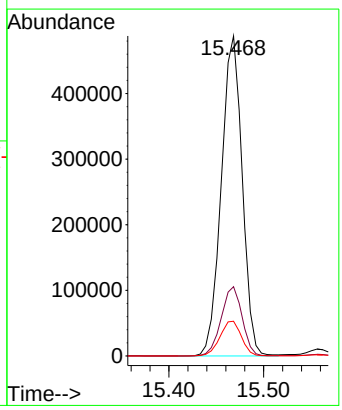
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

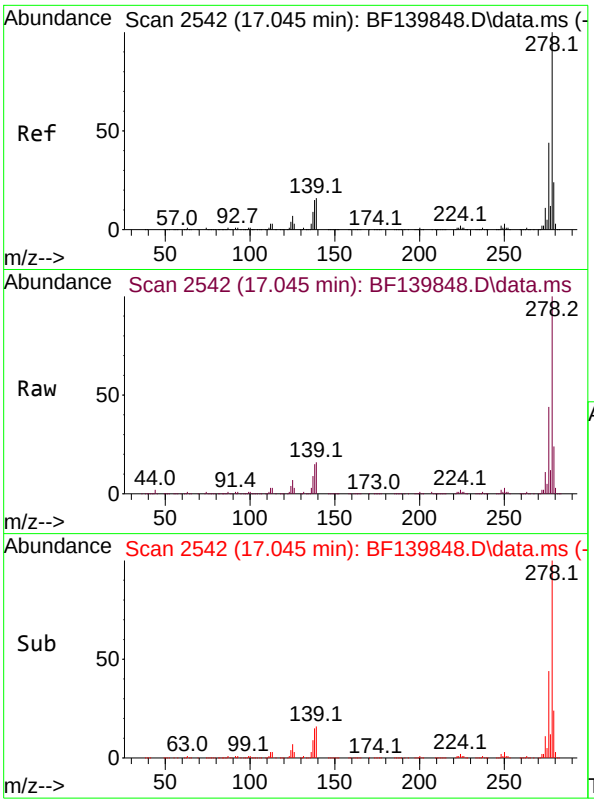


#90
Benzo(a)pyrene
Concen: 40.905 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:252 Resp: 748507

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.9	8.7	13.1

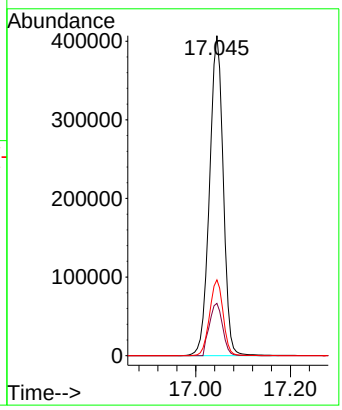




#91
Dibenzo(a,h)anthracene
Concen: 41.752 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:278 Resp: 81804

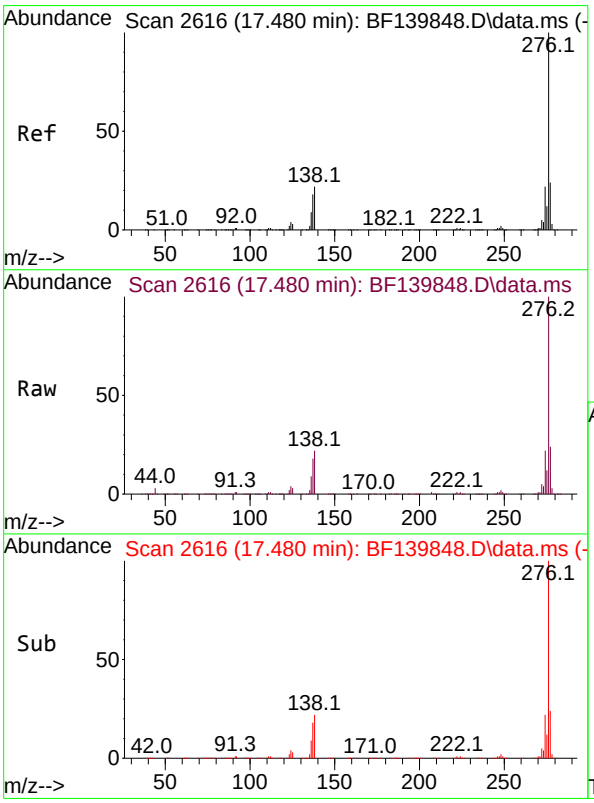
Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.1	19.7
279	23.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

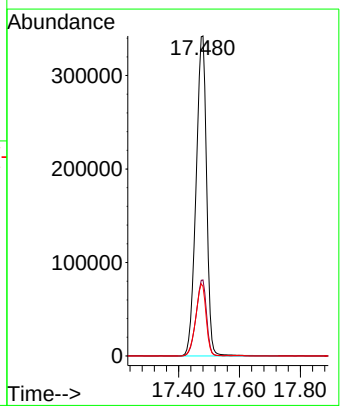
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 42.090 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139848.D
Acq: 18 Oct 2024 12:20

Tgt Ion:276 Resp: 823727

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	21.7	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139849.D
Acq On : 18 Oct 2024 12:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 18 14:19:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	197235	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	739665	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	405194	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	694873	20.000	ng		0.00
76) Chrysene-d12	14.051	240	349496	20.000	ng		0.00
86) Perylene-d12	15.527	264	390757	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1162820	92.295	ng		0.00
7) Phenol-d6	6.510	99	1517079	92.972	ng		0.00
23) Nitrobenzene-d5	7.457	82	1310450	98.193	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	362330	95.600	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	2204460	89.915	ng		0.00
79) Terphenyl-d14	12.998	244	2015874	93.988	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	281572	47.933	ng		99
3) Pyridine	3.446	79	683175	46.920	ng		99
4) n-Nitrosodimethylamine	3.404	42	385387	49.264	ng		97
6) Aniline	6.557	93	725204	47.686	ng		98
8) 2-Chlorophenol	6.675	128	597810	46.414	ng		98
9) Benzaldehyde	6.439	77	430623	46.911	ng		100
10) Phenol	6.528	94	780406m	45.569	ng		
11) bis(2-Chloroethyl)ether	6.628	93	617014	47.453	ng		99
12) 1,3-Dichlorobenzene	6.834	146	686600	46.439	ng		99
13) 1,4-Dichlorobenzene	6.910	146	686616	46.483	ng		99
14) 1,2-Dichlorobenzene	7.063	146	627851	45.543	ng		99
15) Benzyl Alcohol	7.028	79	569012	47.538	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1043921	47.084	ng		100
17) 2-Methylphenol	7.134	107	519035	47.259	ng		99
18) Hexachloroethane	7.404	117	250100	47.480	ng		100
19) n-Nitroso-di-n-propyla...	7.310	70	454173	45.892	ng		99
20) 3+4-Methylphenols	7.292	107	645650	45.961	ng	#	88
22) Acetophenone	7.304	105	835908	46.140	ng		97
24) Nitrobenzene	7.475	77	707970	48.385	ng		100
25) Isophorone	7.710	82	1205277	47.583	ng		99
26) 2-Nitrophenol	7.786	139	292634	53.013	ng		99
27) 2,4-Dimethylphenol	7.822	122	439040	47.699	ng		98
28) bis(2-Chloroethoxy)met...	7.922	93	728968	47.500	ng		100
29) 2,4-Dichlorophenol	8.028	162	502930	47.971	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	550757	47.476	ng		99
31) Naphthalene	8.198	128	1770616	46.415	ng		100
32) Benzoic acid	7.933	122	426532	53.131	ng		100
33) 4-Chloroaniline	8.245	127	613822	47.189	ng		99
34) Hexachlorobutadiene	8.316	225	343002	47.058	ng		100
35) Caprolactam	8.616	113	162260	48.675	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	553487	47.678	ng		99
37) 2-Methylnaphthalene	8.886	142	1085491	46.462	ng		99
38) 1-Methylnaphthalene	8.986	142	1052879	45.933	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	518960	47.474	ng		99
41) Hexachlorocyclopentadiene	9.039	237	188234	49.488	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	367373	47.468	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139849.D
Acq On : 18 Oct 2024 12:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:19:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	385963	48.336	ng		98
46) 1,1'-Biphenyl	9.351	154	1301562	46.143	ng		99
47) 2-Chloronaphthalene	9.375	162	1061417	46.720	ng		99
48) 2-Nitroaniline	9.469	65	358283	51.564	ng		97
49) Acenaphthylene	9.792	152	1526583	46.479	ng		99
50) Dimethylphthalate	9.651	163	1187472	47.050	ng		99
51) 2,6-Dinitrotoluene	9.710	165	277023	50.693	ng		99
52) Acenaphthene	9.963	154	989603	46.576	ng		100
53) 3-Nitroaniline	9.880	138	279467	49.591	ng		100
54) 2,4-Dinitrophenol	9.980	184	102786	48.105	ng	#	18
55) Dibenzofuran	10.133	168	1407211	46.162	ng		99
56) 4-Nitrophenol	10.022	139	221410	51.068	ng		97
57) 2,4-Dinitrotoluene	10.110	165	348628	51.878	ng		97
58) Fluorene	10.480	166	1042268	44.889	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	300306	47.975	ng		99
60) Diethylphthalate	10.351	149	1180411	47.634	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	532654	45.427	ng		98
62) 4-Nitroaniline	10.492	138	266320	50.037	ng		99
63) Azobenzene	10.633	77	1231644	46.881	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	156461	55.202	ng		94
66) n-Nitrosodiphenylamine	10.586	169	987295	47.472	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	341790	47.746	ng		97
68) Hexachlorobenzene	11.027	284	376968	46.823	ng		98
69) Atrazine	11.110	200	234998	41.713	ng		99
70) Pentachlorophenol	11.216	266	252064	51.587	ng		98
71) Phenanthrene	11.439	178	1500010	45.700	ng		99
72) Anthracene	11.492	178	1478655	46.172	ng		99
73) Carbazole	11.645	167	1348098	45.263	ng		99
74) Di-n-butylphthalate	11.974	149	1602928	46.583	ng		100
75) Fluoranthene	12.627	202	1462936	44.089	ng		99
77) Benzidine	12.745	184	240940	42.388	ng		99
78) Pyrene	12.857	202	1471893	48.113	ng		100
80) Butylbenzylphthalate	13.474	149	467242	50.944	ng		100
81) Benzo(a)anthracene	14.045	228	1107235	48.667	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	326706	49.251	ng		98
83) Chrysene	14.080	228	990517	47.484	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	541828	52.655	ng		100
85) Di-n-octyl phthalate	14.651	149	1033054	55.195	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1268552	50.463	ng		100
88) Benzo(b)fluoranthene	15.098	252	1079928	45.369	ng		100
89) Benzo(k)fluoranthene	15.127	252	1006425	49.026	ng		99
90) Benzo(a)pyrene	15.468	252	951346	48.573	ng		99
91) Dibenzo(a,h)anthracene	17.045	278	1058119	50.456	ng		100
92) Benzo(g,h,i)perylene	17.480	276	1055618	50.394	ng		99

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

ICAL Form

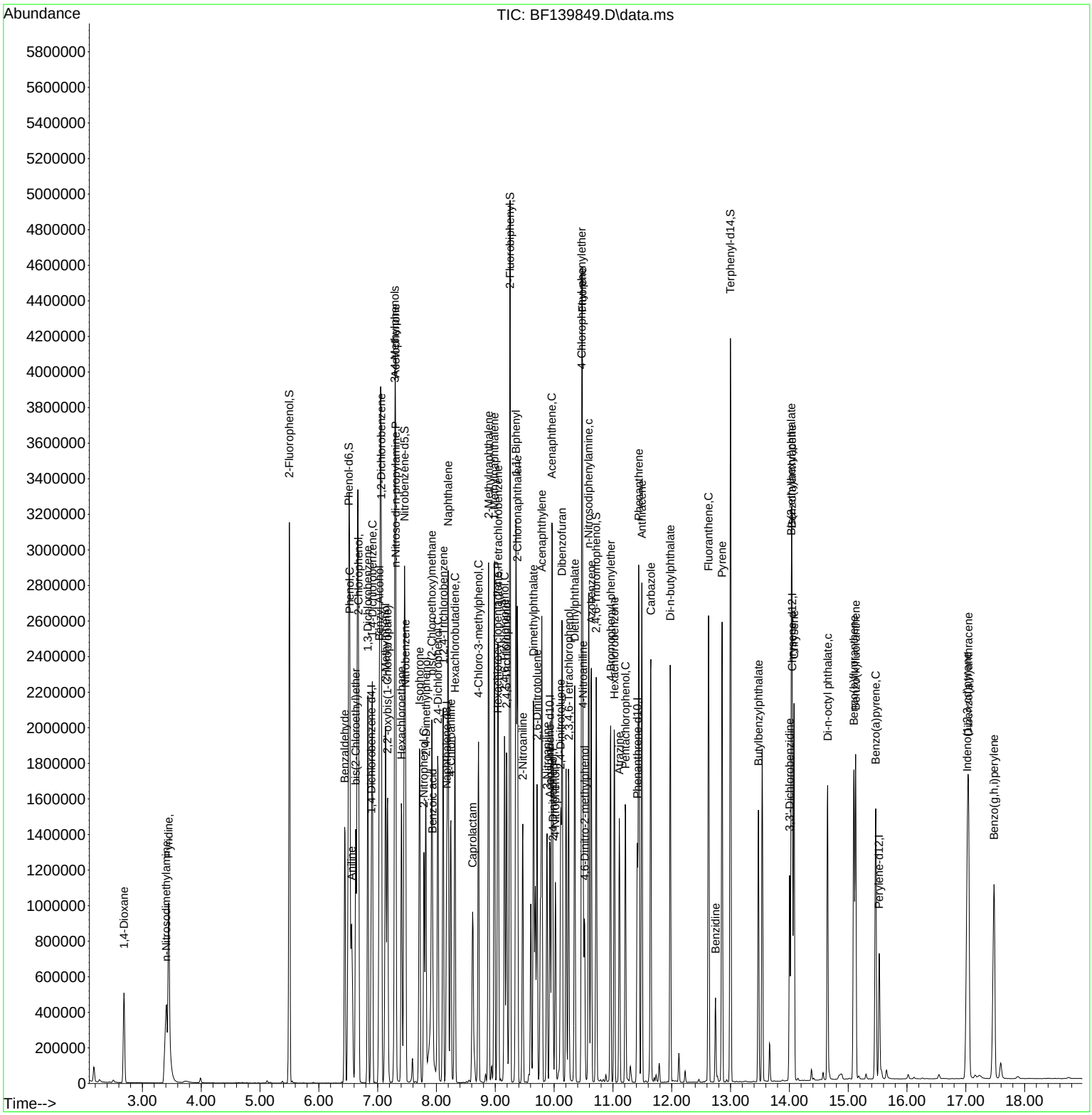
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Data File : BF139849.D
Acq On : 18 Oct 2024 12:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

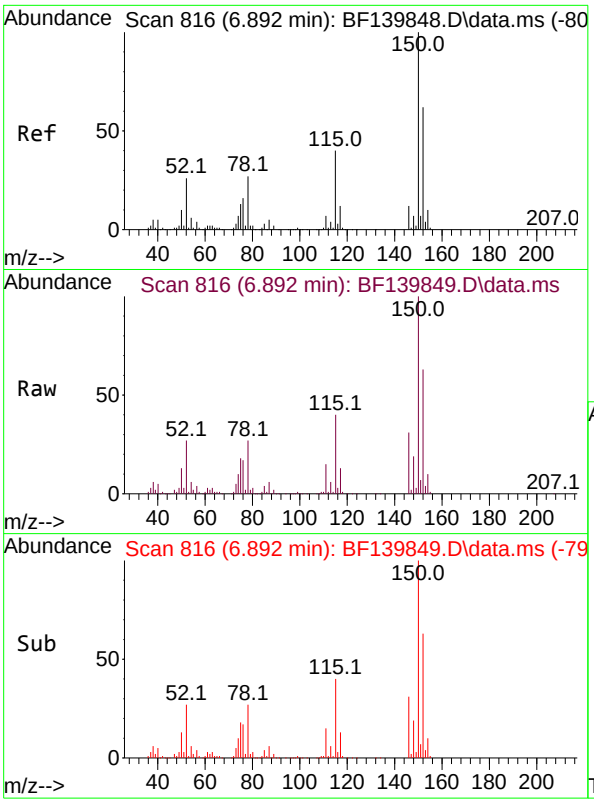
Quant Time: Oct 18 14:19:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

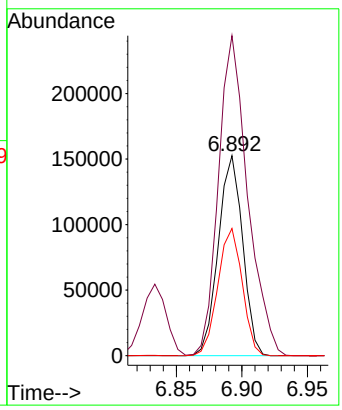




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:152 Resp: 19723

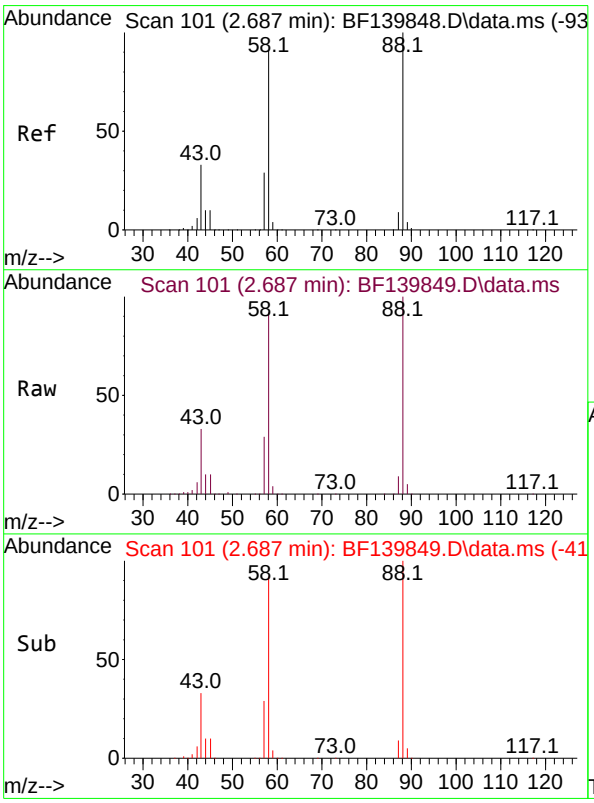
Ion	Ratio	Lower	Upper
152	100		
150	160.0	130.2	195.2
115	63.6	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

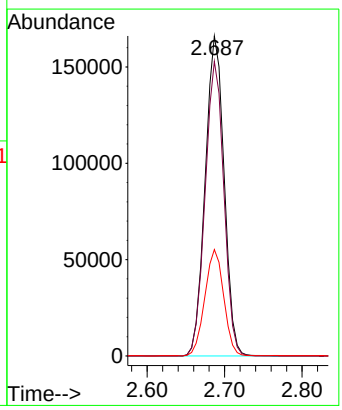
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

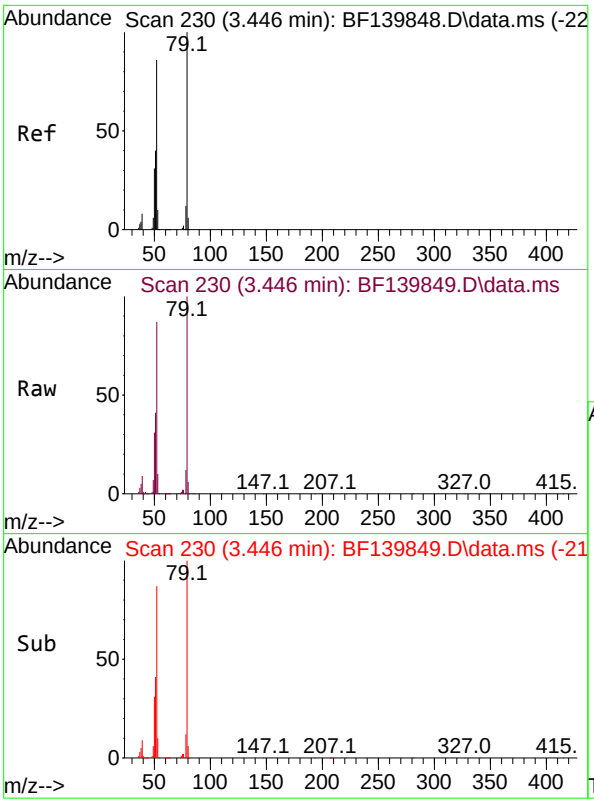


#2
1,4-Dioxane
Concen: 47.933 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 88 Resp: 281572

Ion	Ratio	Lower	Upper
88	100		
58	91.1	73.3	109.9
43	33.2	27.1	40.7

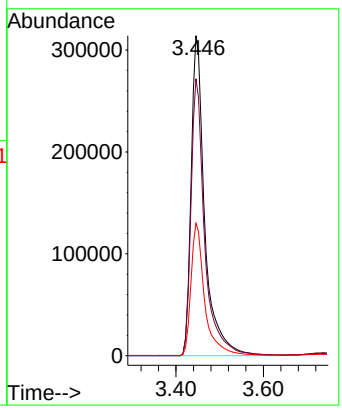




#3
Pyridine
Concen: 46.920 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 79 Resp: 68317

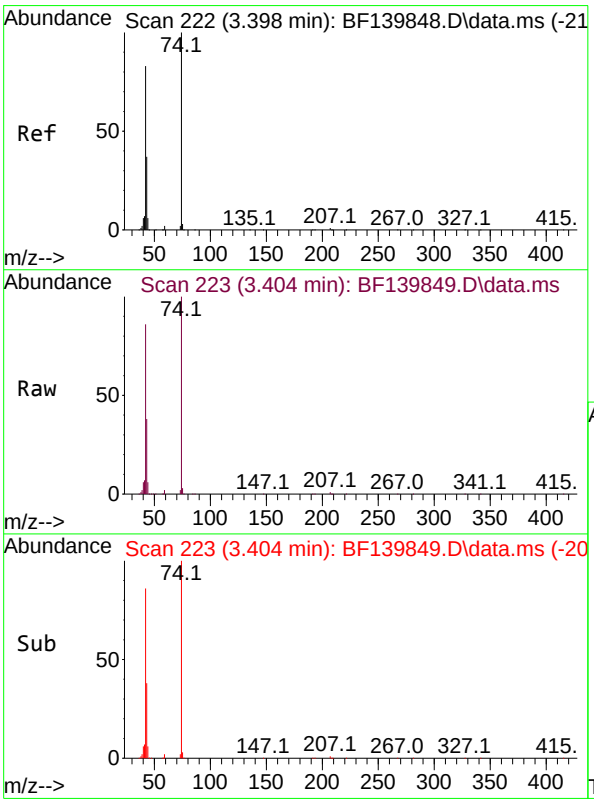
Ion	Ratio	Lower	Upper
79	100		
52	86.6	68.5	102.7
51	41.3	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

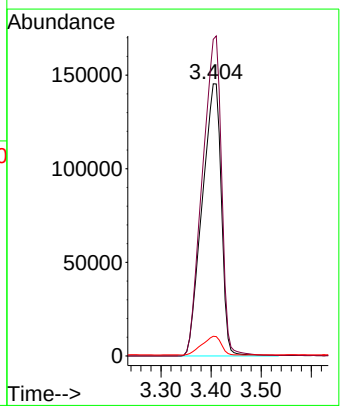
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

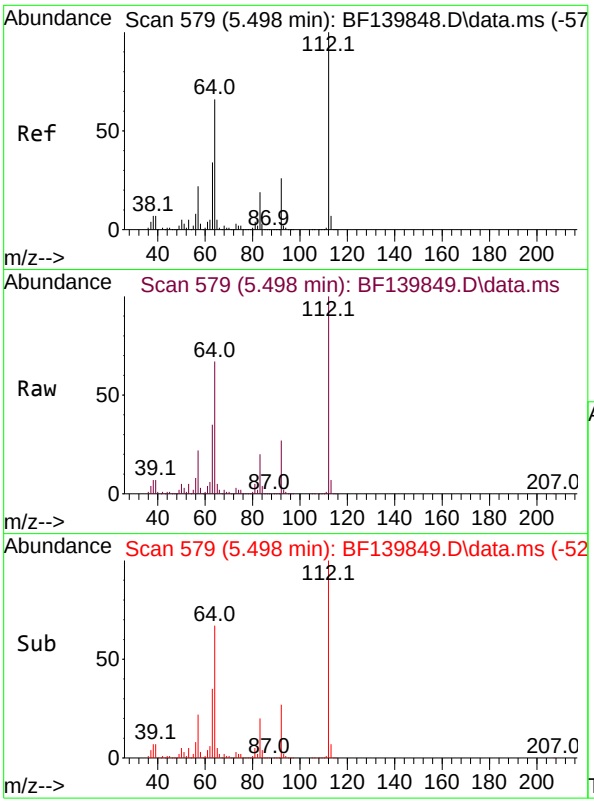


#4
n-Nitrosodimethylamine
Concen: 49.264 ng
RT: 3.404 min Scan# 223
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 42 Resp: 385387

Ion	Ratio	Lower	Upper
42	100		
74	116.3	96.2	144.4
44	7.2	6.2	9.2





#5
2-Fluorophenol
Concen: 92.295 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

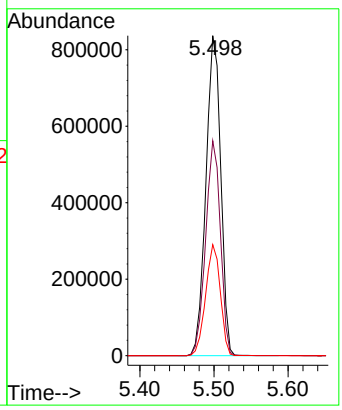
Tgt Ion:112 Resp: 116282

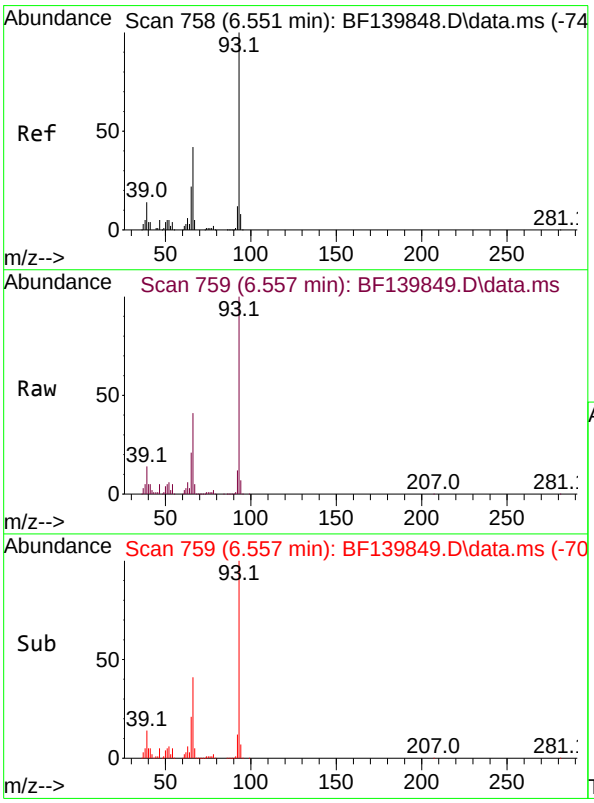
Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.0	79.6
63	34.7	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

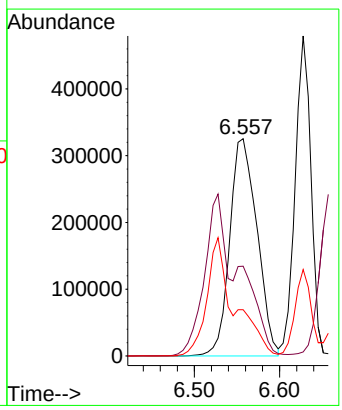


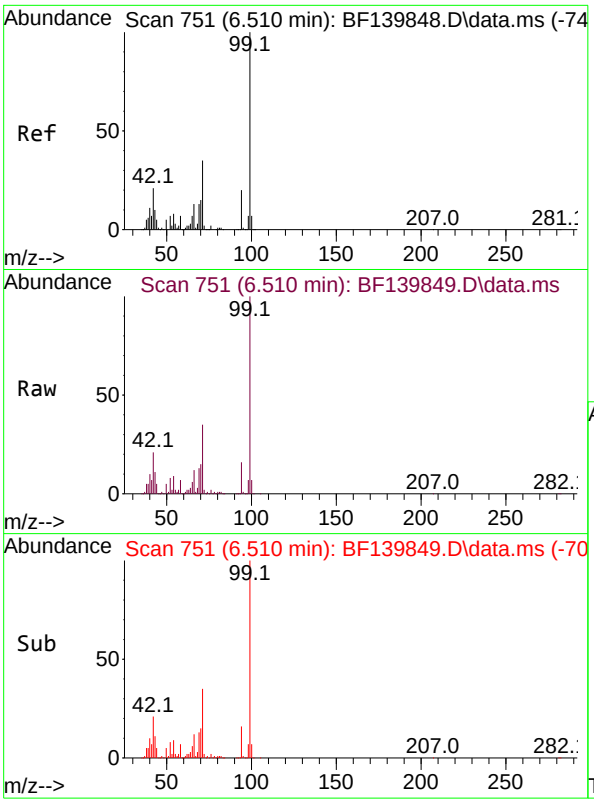


#6
Aniline
Concen: 47.686 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 93 Resp: 725204

Ion	Ratio	Lower	Upper
93	100		
66	41.3	34.0	51.0
65	21.3	17.4	26.0

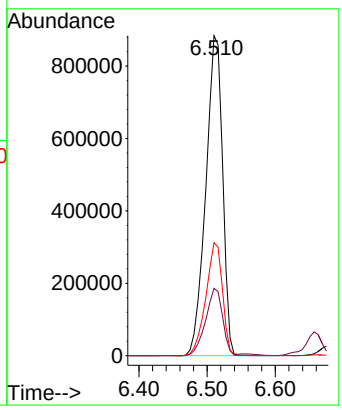




#7
Phenol-d6
Concen: 92.972 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 99 Resp: 151707

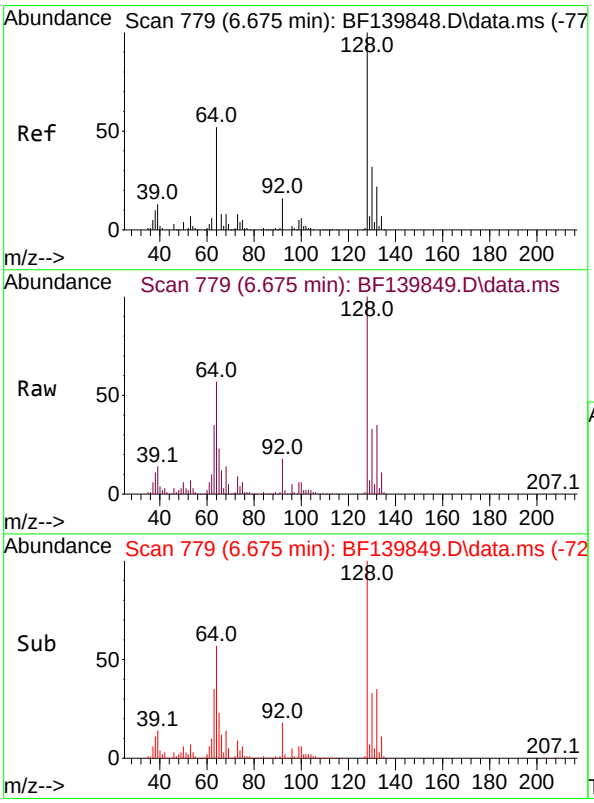
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.7	25.1
71	35.3	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

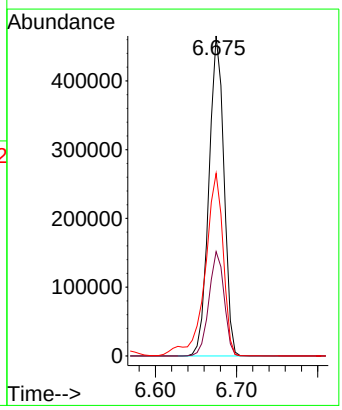
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

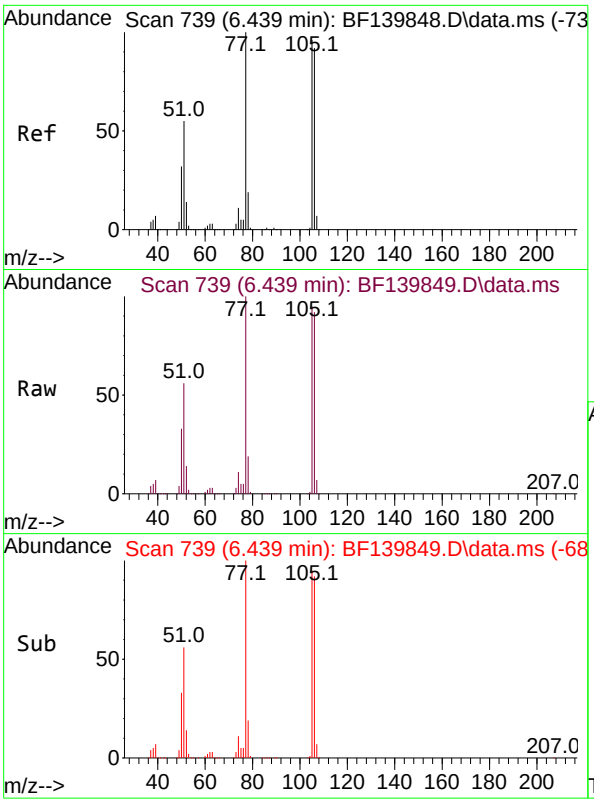


#8
2-Chlorophenol
Concen: 46.414 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:128 Resp: 597810

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	57.0	34.6	74.6

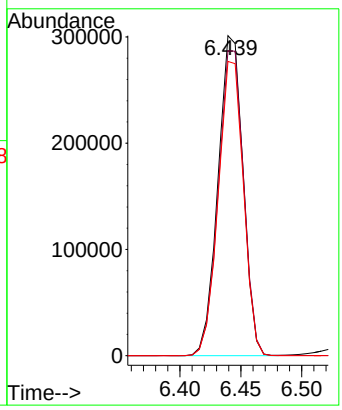




#9
Benzaldehyde
Concen: 46.911 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 77 Resp: 43062

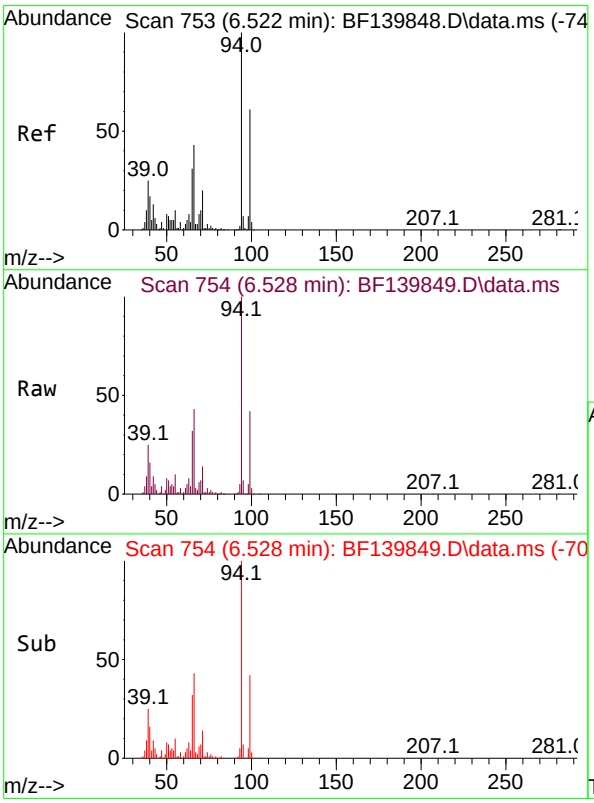
Ion	Ratio	Lower	Upper
77	100		
105	95.2	75.5	115.5
106	92.0	71.7	111.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

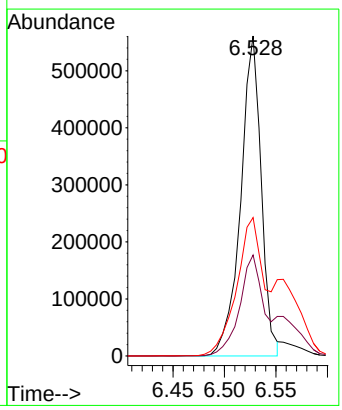
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

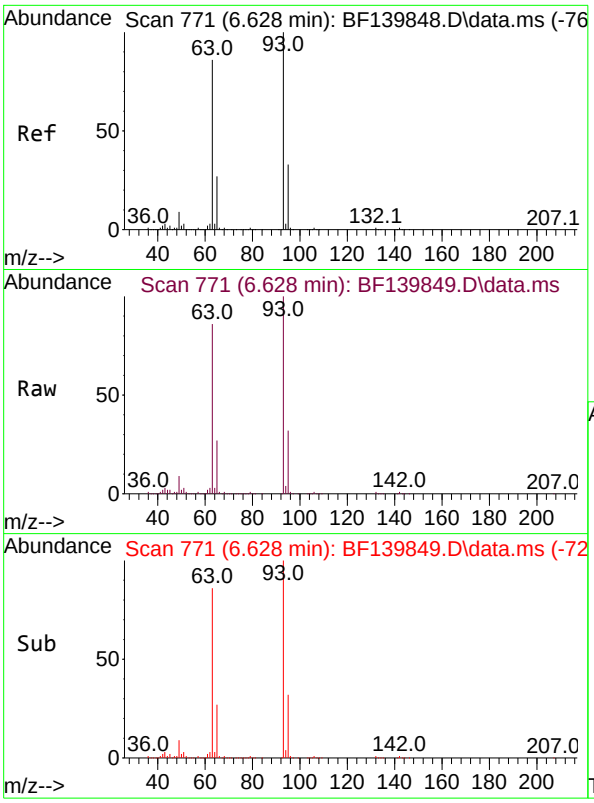


#10
Phenol
Concen: 45.569 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 94 Resp: 780406

Ion	Ratio	Lower	Upper
94	100		
65	31.6	11.1	51.1
66	43.3	22.7	62.7

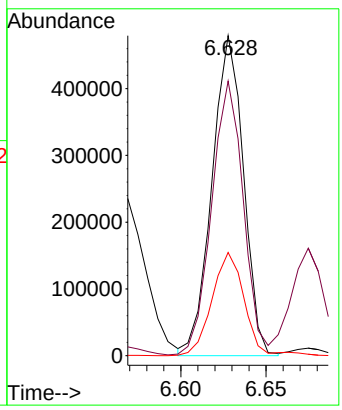




#11
bis(2-Chloroethyl)ether
Concen: 47.453 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 93 Resp: 61701

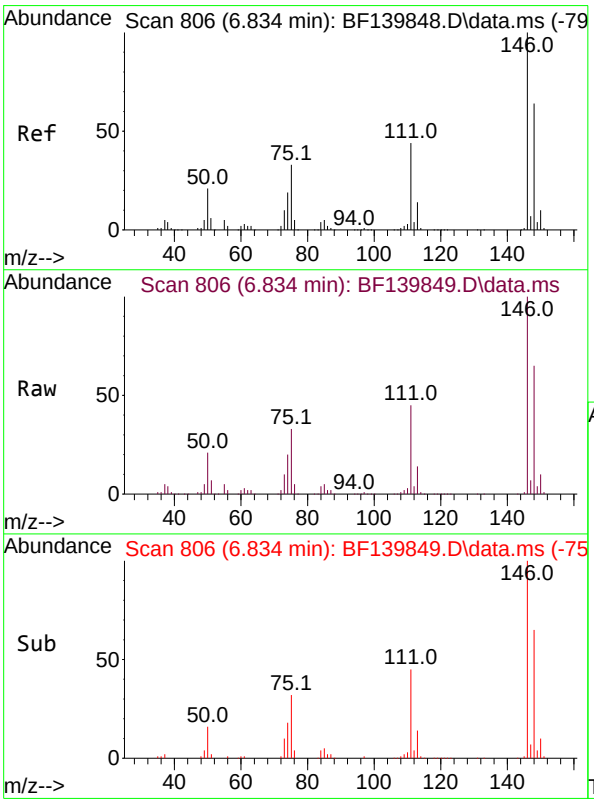
Ion	Ratio	Lower	Upper
93	100		
63	85.8	65.0	105.0
95	32.2	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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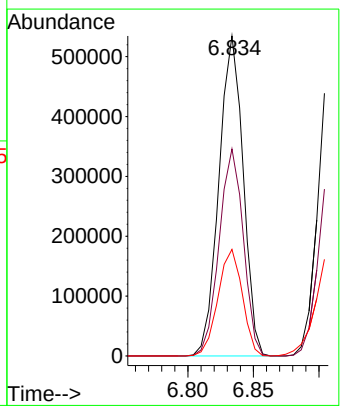
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

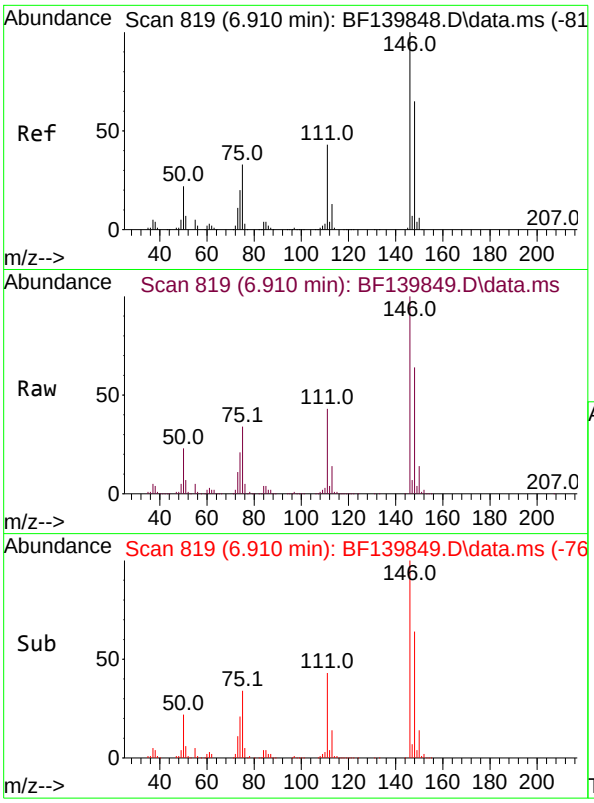


#12
1,3-Dichlorobenzene
Concen: 46.439 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:146 Resp: 686600

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
75	33.3	26.4	39.6

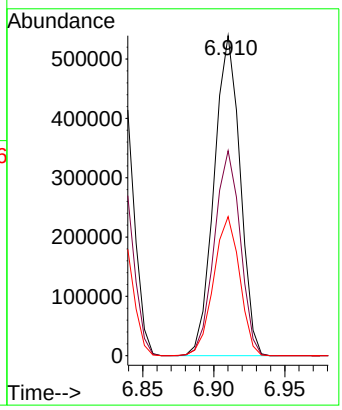




#13
1,4-Dichlorobenzene
Concen: 46.483 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:146 Resp: 68661

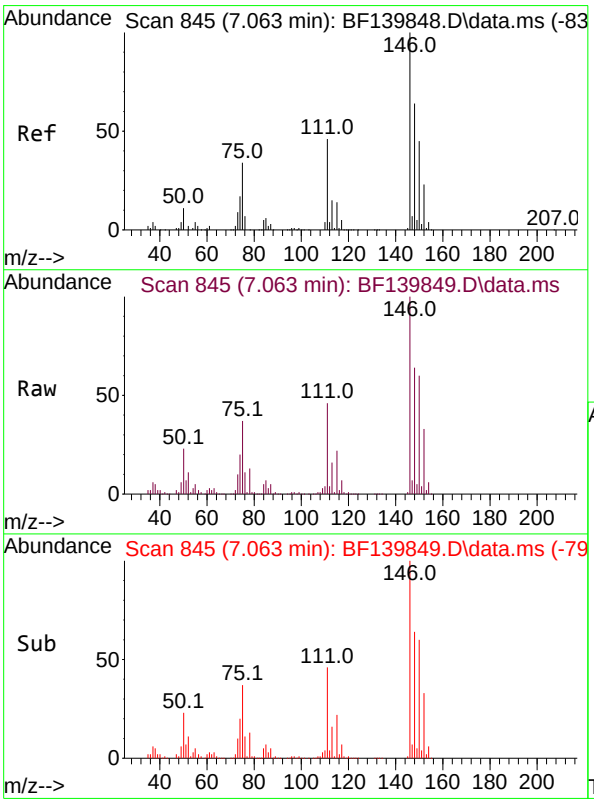
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
111	43.4	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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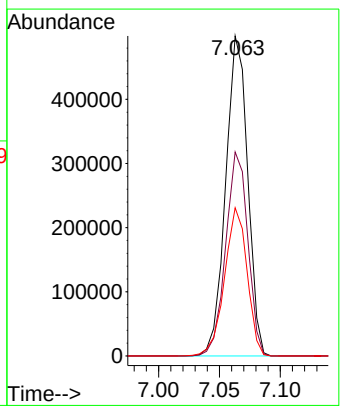
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

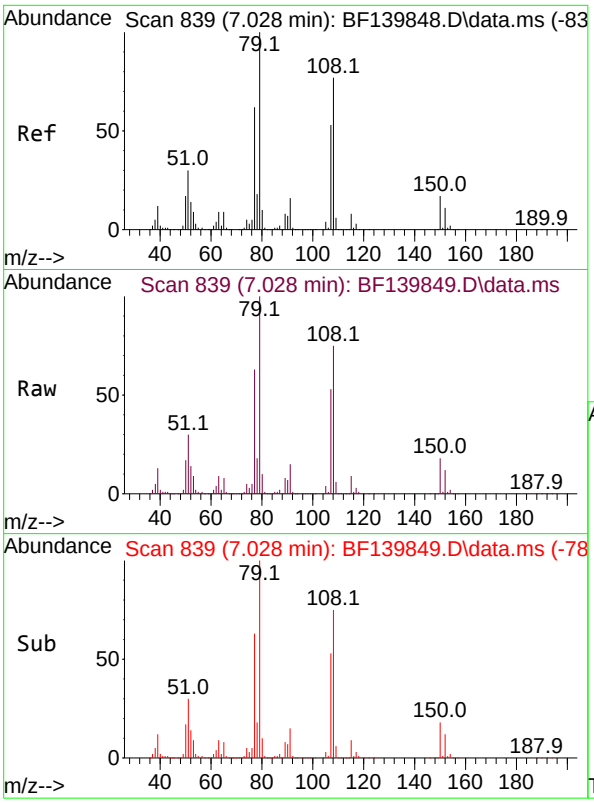


#14
1,2-Dichlorobenzene
Concen: 45.543 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:146 Resp: 627851

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	46.3	36.7	55.1





#15
Benzyl Alcohol
Concen: 47.538 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

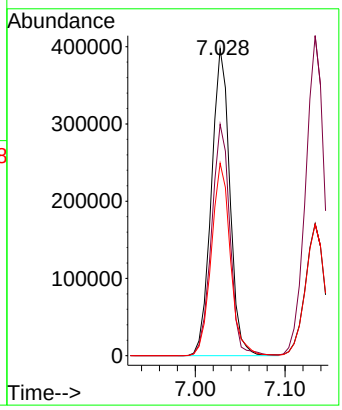
Tgt Ion: 79 Resp: 56901

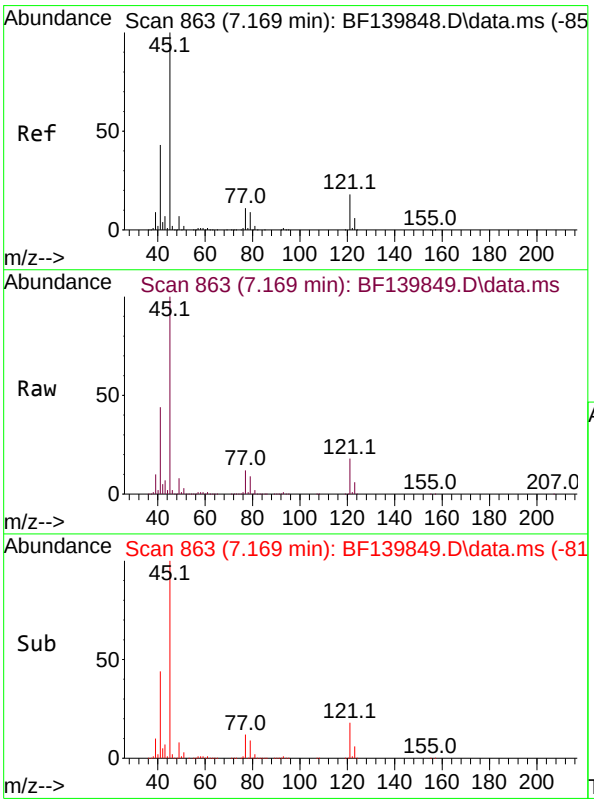
Ion	Ratio	Lower	Upper
79	100		
108	75.3	61.4	92.0
77	62.7	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

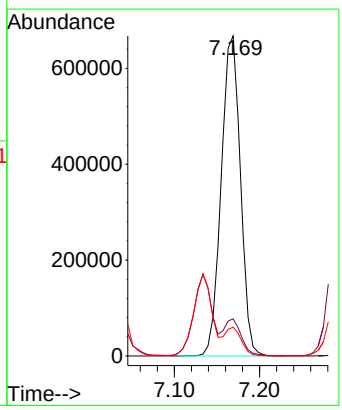


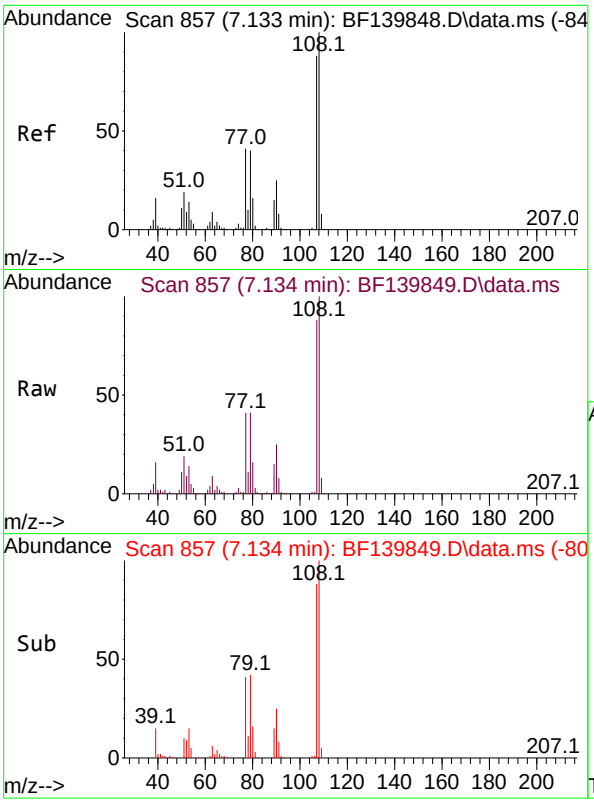


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.084 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 45 Resp: 1043921

Ion	Ratio	Lower	Upper
45	100		
77	11.6	0.0	31.5
79	9.0	0.0	29.1

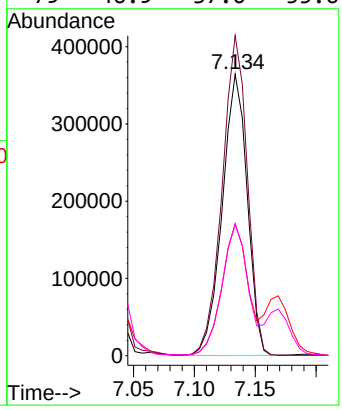




#17
2-Methylphenol
Concen: 47.259 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 51903

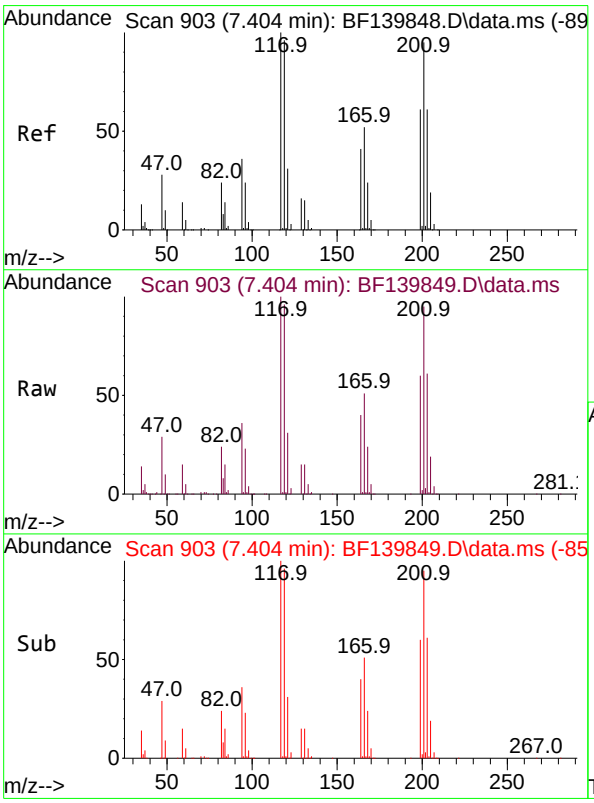
Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.3	136.9
77	46.7	37.1	55.7
79	46.9	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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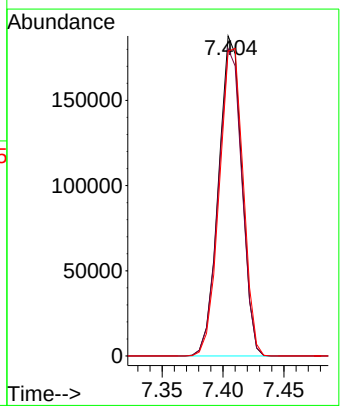
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

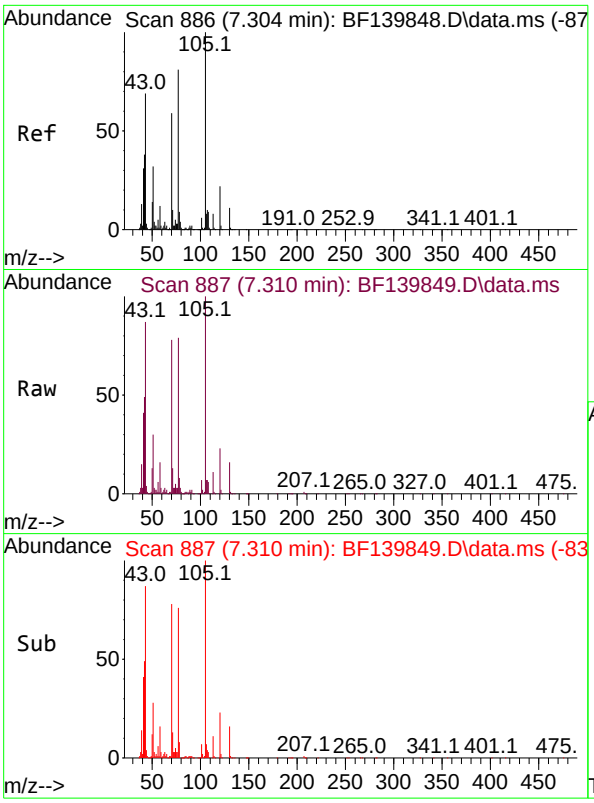


#18
Hexachloroethane
Concen: 47.480 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:117 Resp: 250100

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.0	115.4
201	95.3	76.2	114.4

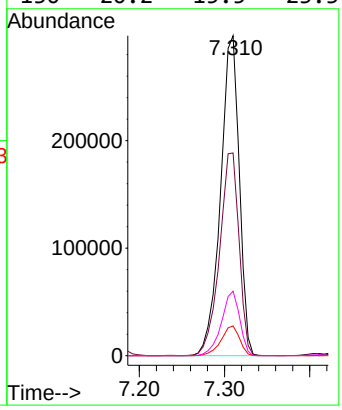




#19
n-Nitroso-di-n-propylamine
Concen: 45.892 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 70 Resp: 45417

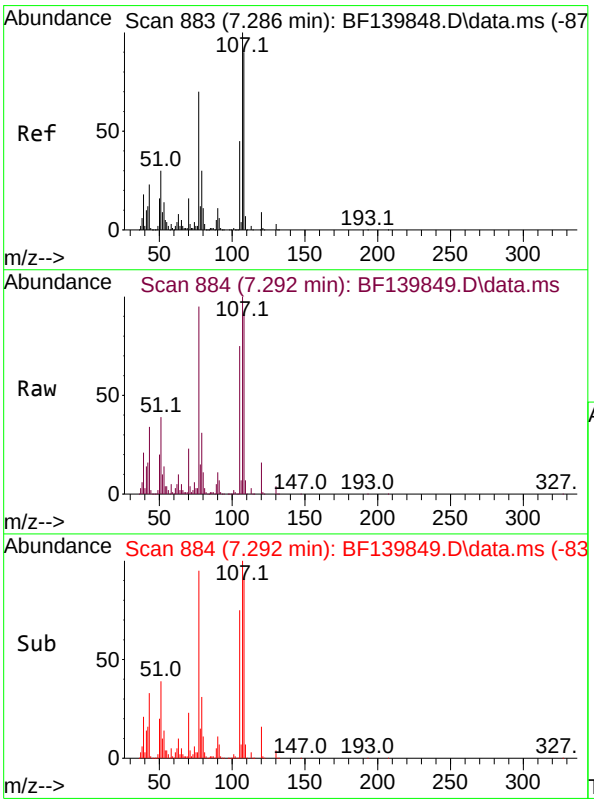
Ion	Ratio	Lower	Upper
70	100		
42	63.4	51.5	77.3
101	9.3	7.5	11.3
130	20.2	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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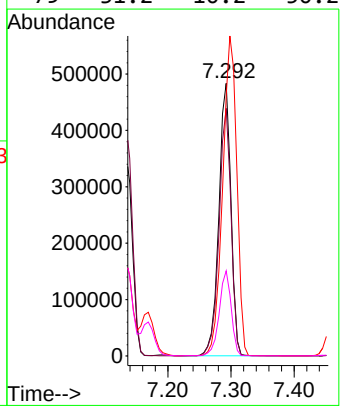
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

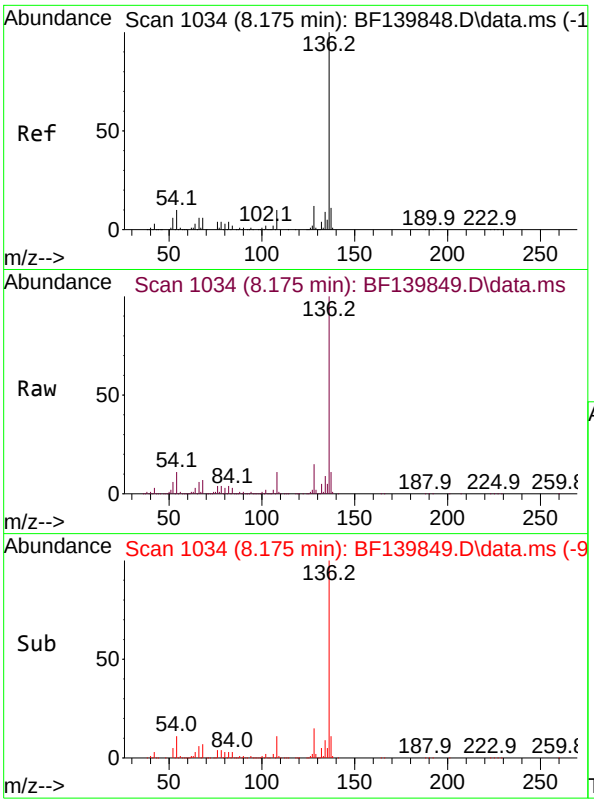


#20
3+4-Methylphenols
Concen: 45.961 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 645650

Ion	Ratio	Lower	Upper
107	100		
108	90.8	69.8	109.8
77	95.4	50.5	90.5#
79	31.2	10.2	50.2

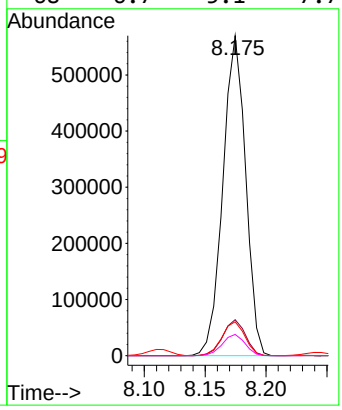




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:136 Resp: 73966

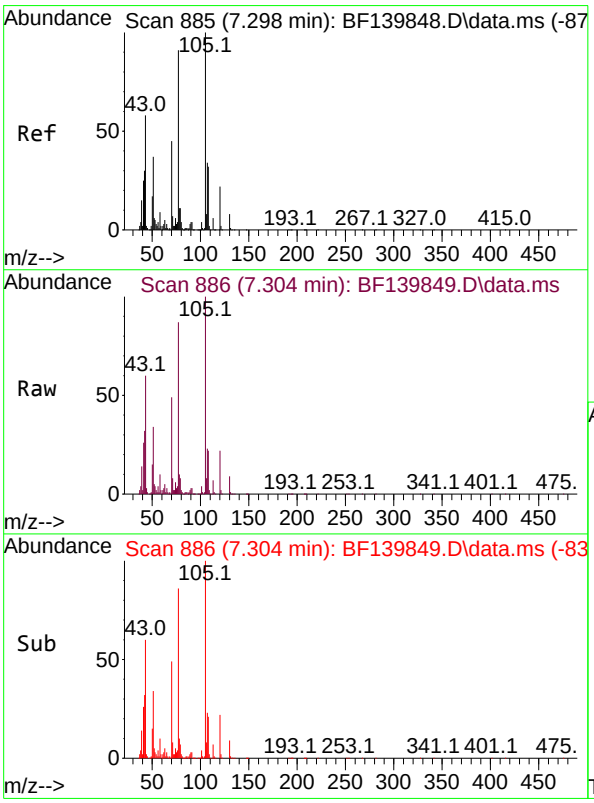
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.6	8.4	12.6
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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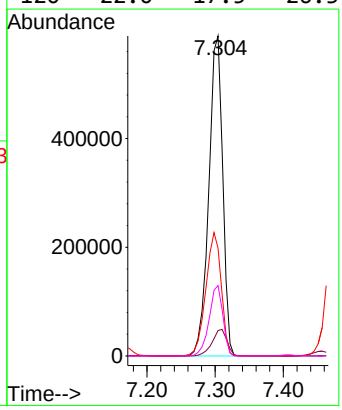
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

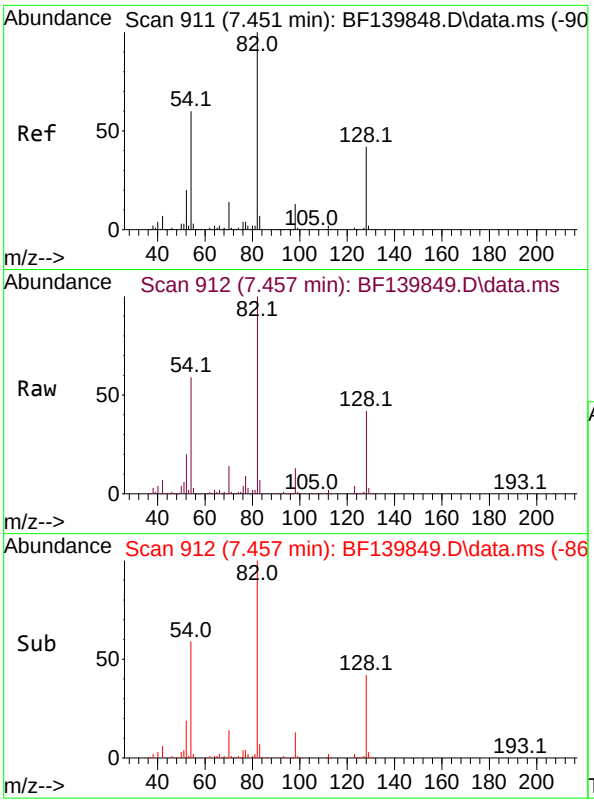


#22
Acetophenone
Concen: 46.140 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:105 Resp: 835908

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.9	8.9
51	33.7	29.4	44.2
120	22.0	17.5	26.3





#23
Nitrobenzene-d5
Concen: 98.193 ng
RT: 7.457 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

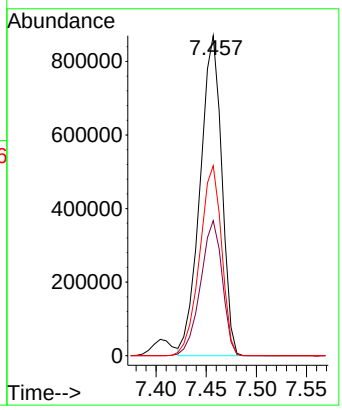
Tgt Ion: 82 Resp: 131045

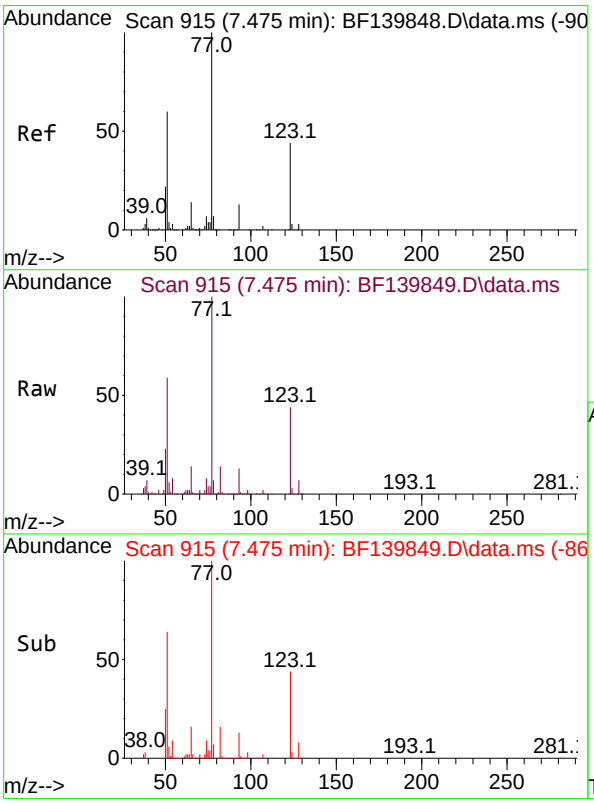
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	59.3	47.8	71.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

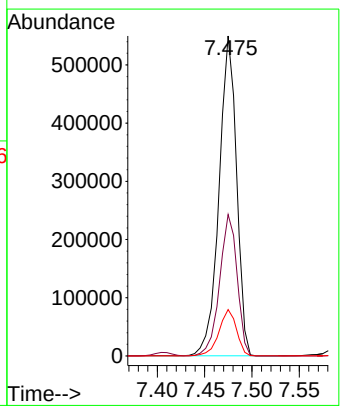


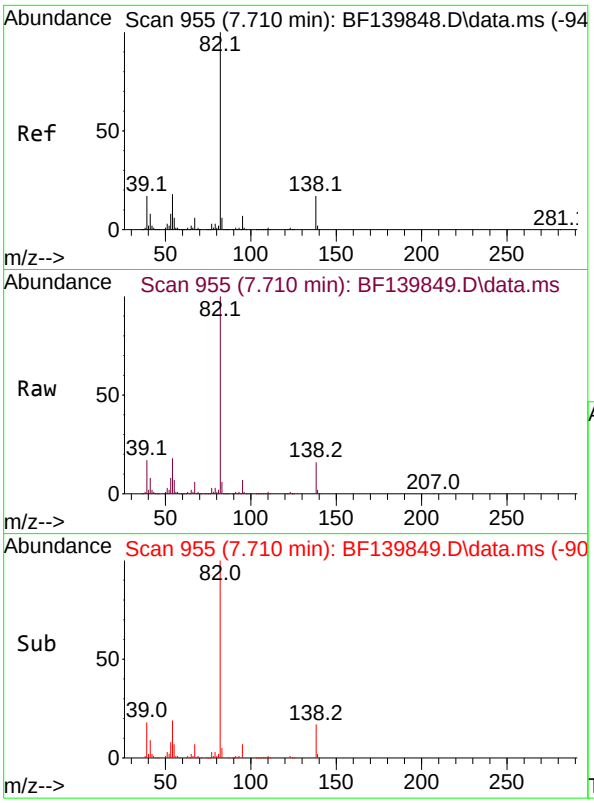


#24
Nitrobenzene
Concen: 48.385 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 77 Resp: 707970

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.7	53.5
65	14.5	11.5	17.3





#25
Isophorone
Concen: 47.583 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

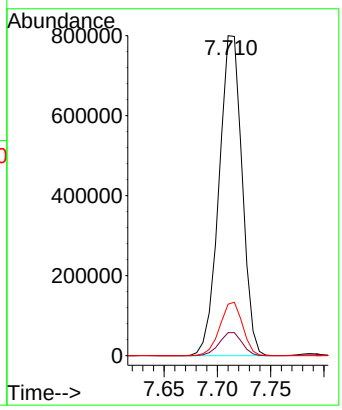
Tgt Ion: 82 Resp: 120527

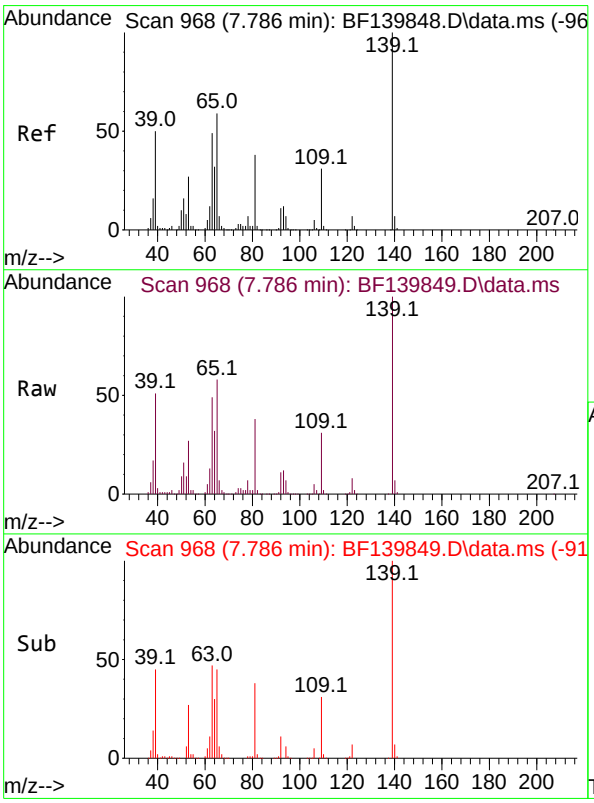
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	16.1	13.2	19.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

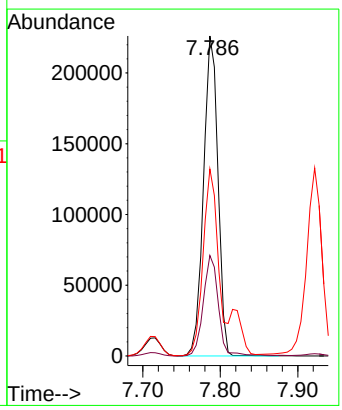


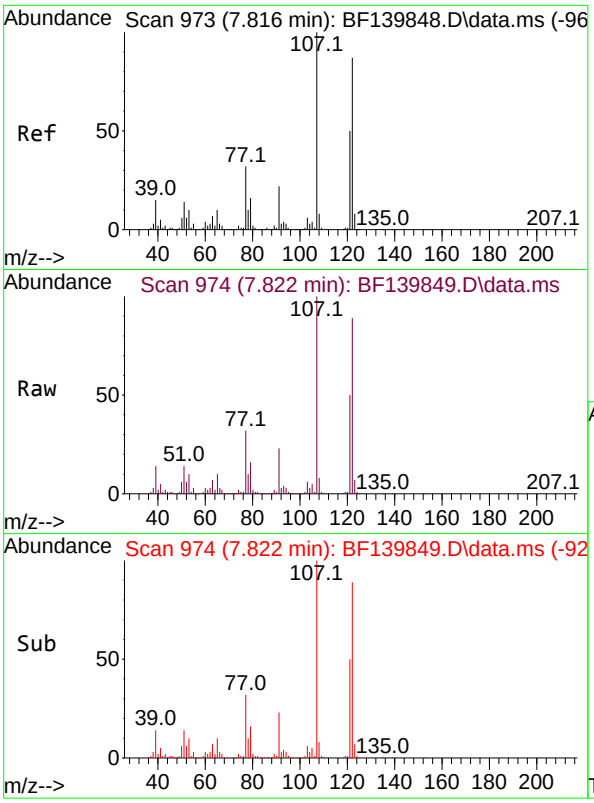


#26
2-Nitrophenol
Concen: 53.013 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:139 Resp: 292634

Ion	Ratio	Lower	Upper
139	100		
109	31.4	25.1	37.7
65	58.4	47.5	71.3

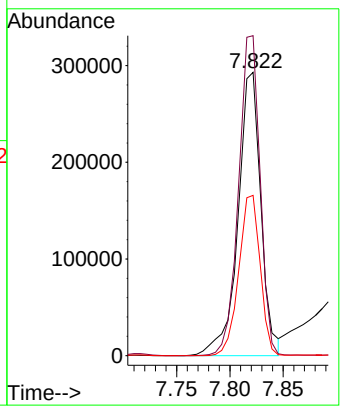




#27
2,4-Dimethylphenol
Concen: 47.699 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:122 Resp: 43904

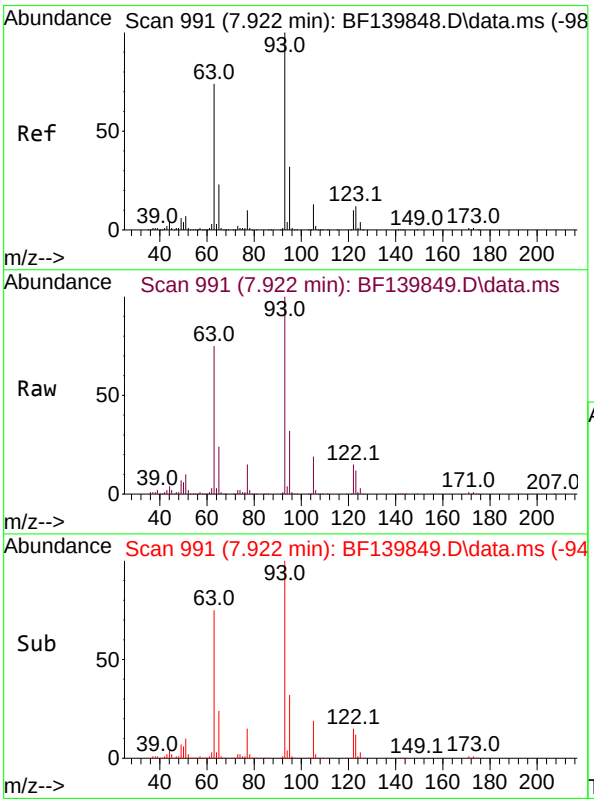
Ion	Ratio	Lower	Upper
122	100		
107	113.0	91.9	137.9
121	56.6	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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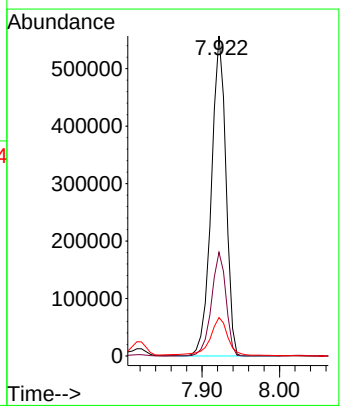
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

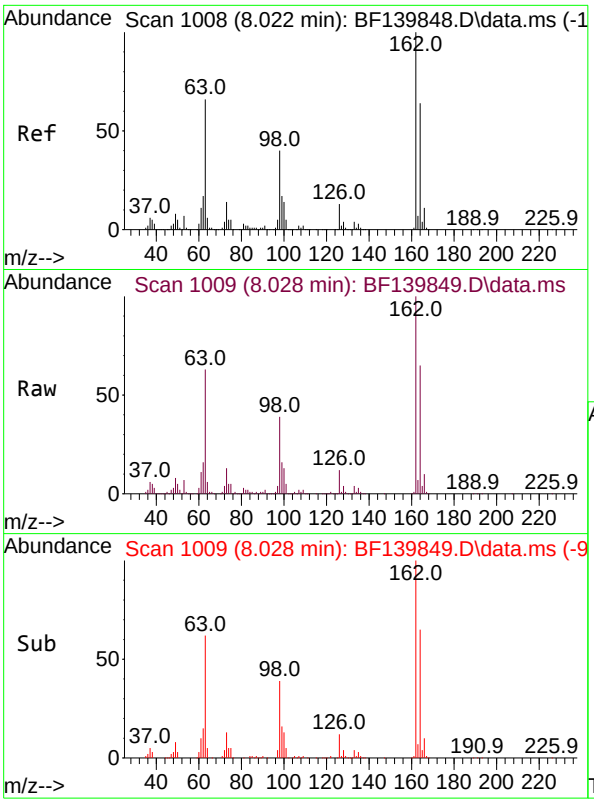


#28
bis(2-Chloroethoxy)methane
Concen: 47.500 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 93 Resp: 728968

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.0	9.8	14.8

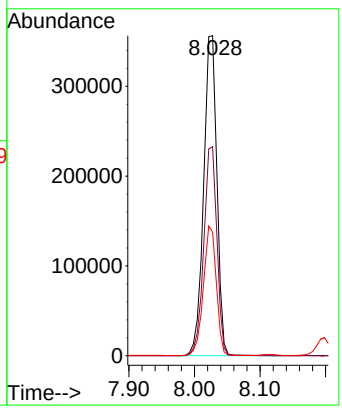




#29
2,4-Dichlorophenol
Concen: 47.971 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:162 Resp: 50293

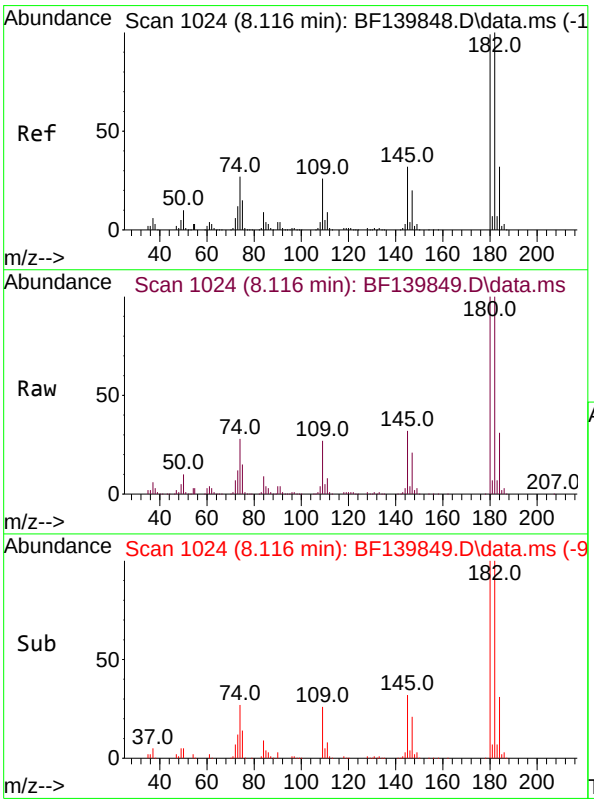
Ion	Ratio	Lower	Upper
162	100		
164	65.3	43.9	83.9
98	38.6	19.9	59.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

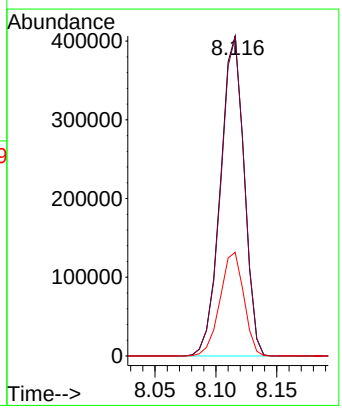
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

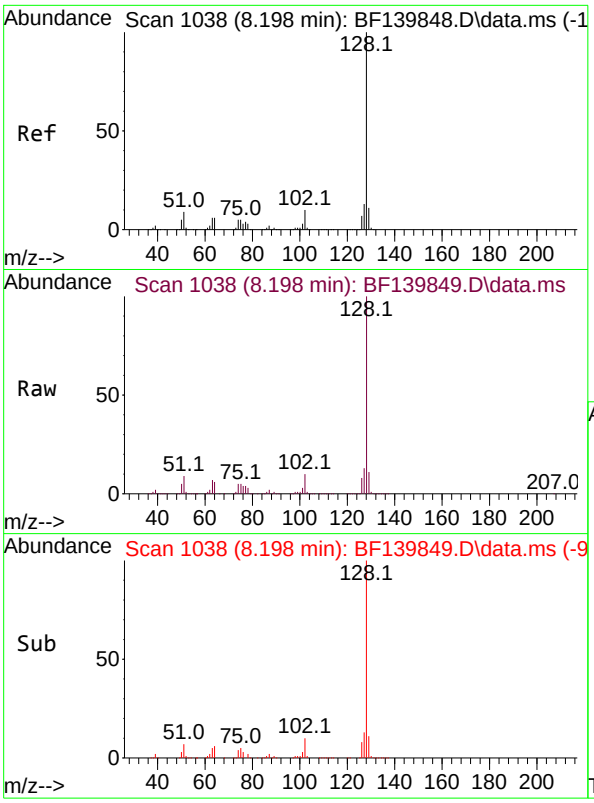


#30
1,2,4-Trichlorobenzene
Concen: 47.476 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:180 Resp: 550757

Ion	Ratio	Lower	Upper
180	100		
182	99.7	80.5	120.7
145	32.4	25.4	38.0

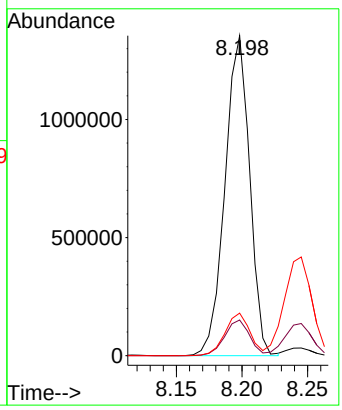




#31
Naphthalene
Concen: 46.415 ng
RT: 8.198 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:128 Resp: 177061(

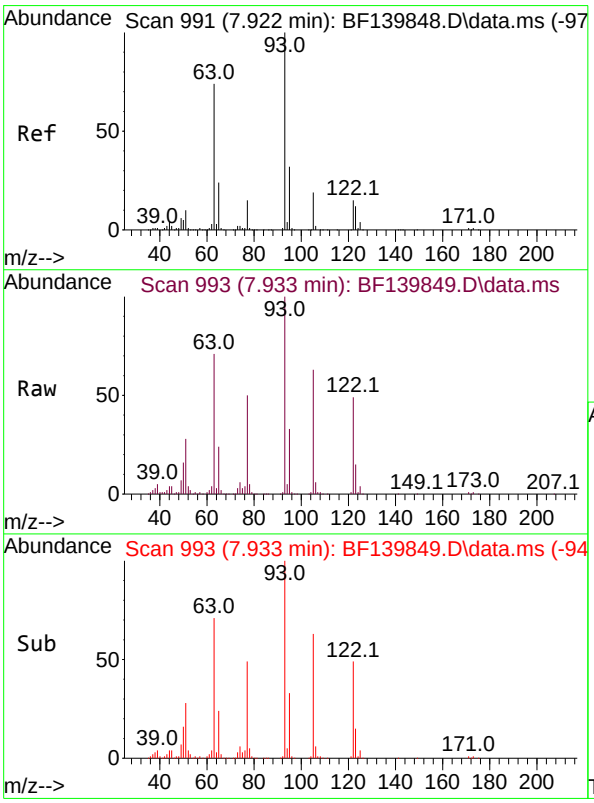
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

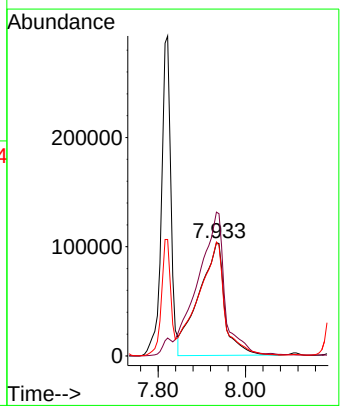
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

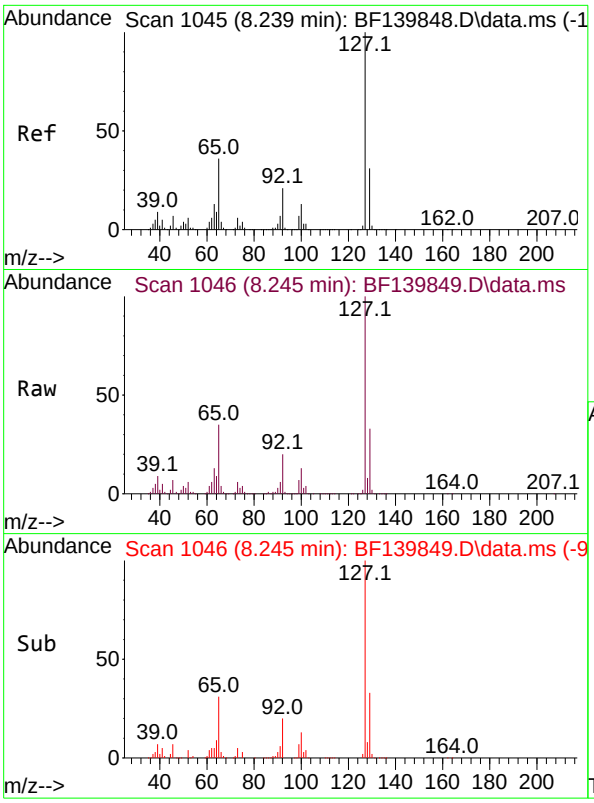


#32
Benzoic acid
Concen: 53.131 ng
RT: 7.933 min Scan# 993
Delta R.T. 0.011 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:122 Resp: 426532

Ion	Ratio	Lower	Upper
122	100		
105	127.2	107.6	147.6
77	100.6	80.2	120.2

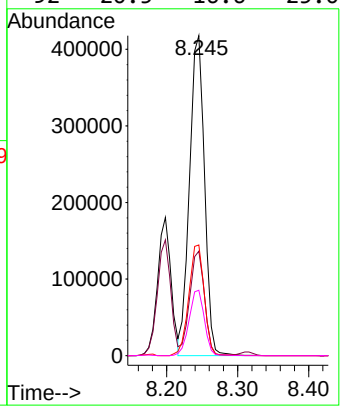




#33
4-Chloroaniline
Concen: 47.189 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:127 Resp: 61382

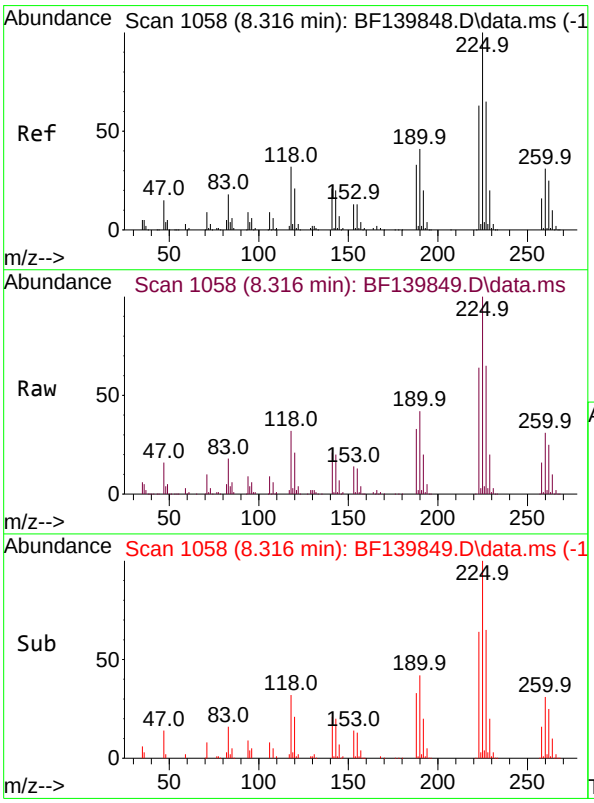
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	34.6	28.4	42.6
92	20.5	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

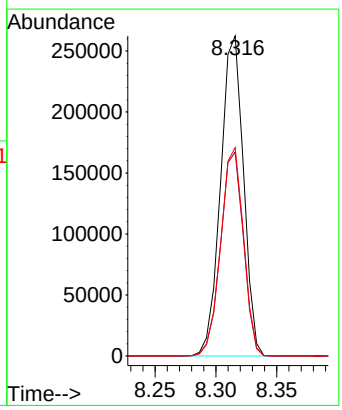
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

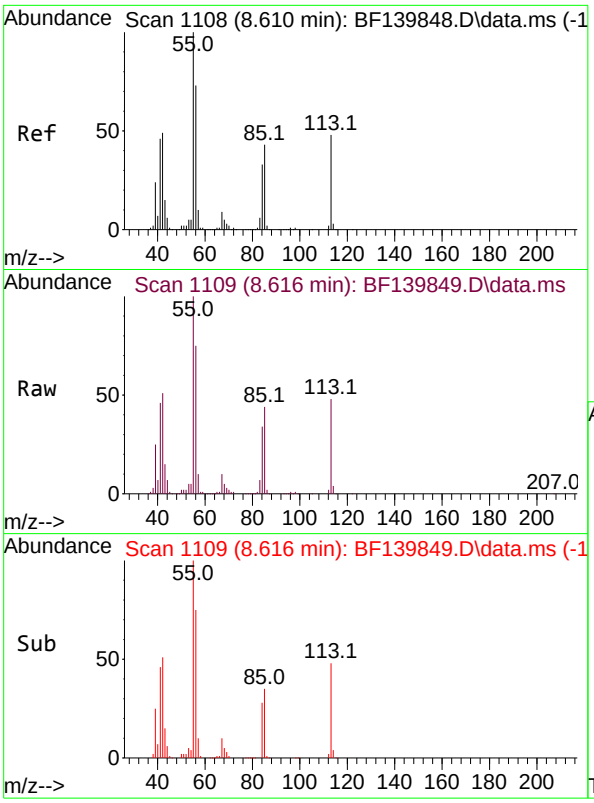


#34
Hexachlorobutadiene
Concen: 47.058 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:225 Resp: 343002

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	65.1	51.8	77.8

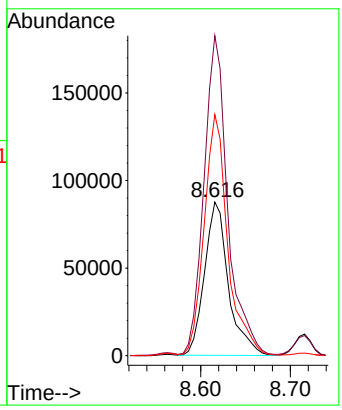




#35
Caprolactam
Concen: 48.675 ng
RT: 8.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:113 Resp: 16226

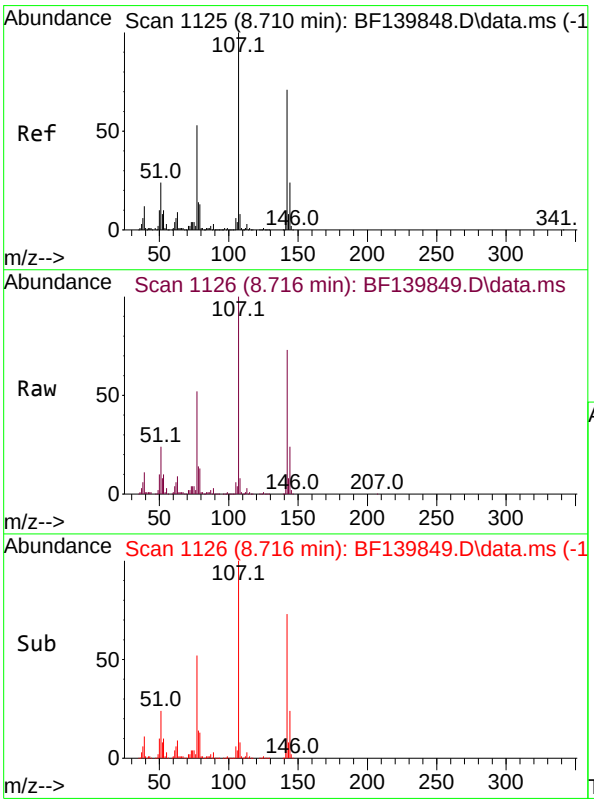
Ion	Ratio	Lower	Upper
113	100		
55	208.2	189.2	229.2
56	157.0	132.5	172.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

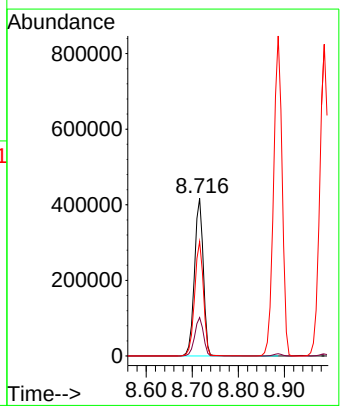
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

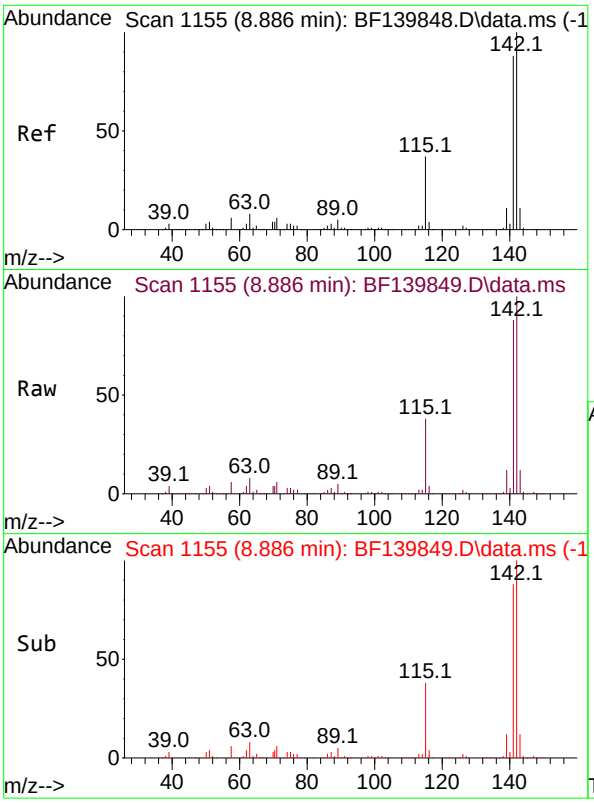


#36
4-Chloro-3-methylphenol
Concen: 47.678 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:107 Resp: 553487

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	72.6	57.2	85.8





#37
2-Methylnaphthalene
Concen: 46.462 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

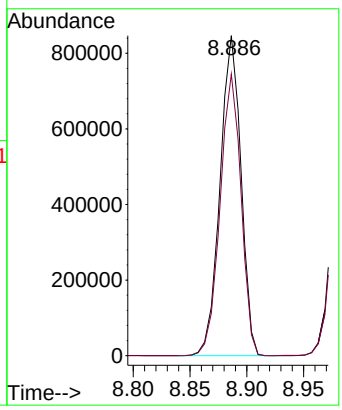
Tgt Ion:142 Resp: 108549

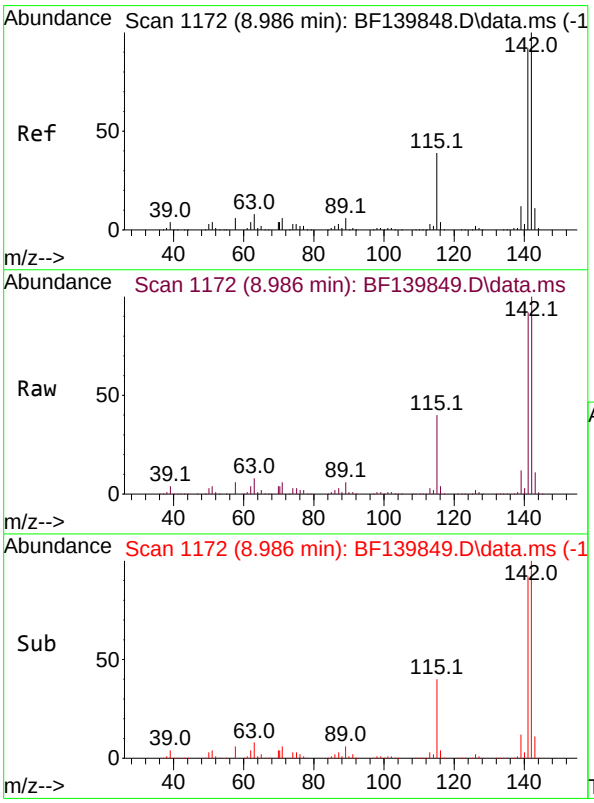
Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

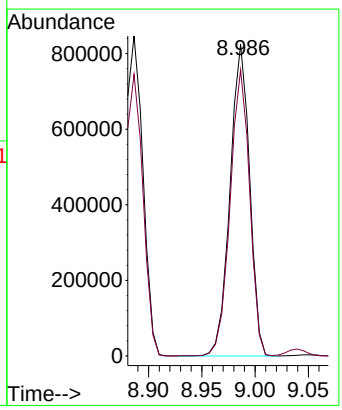


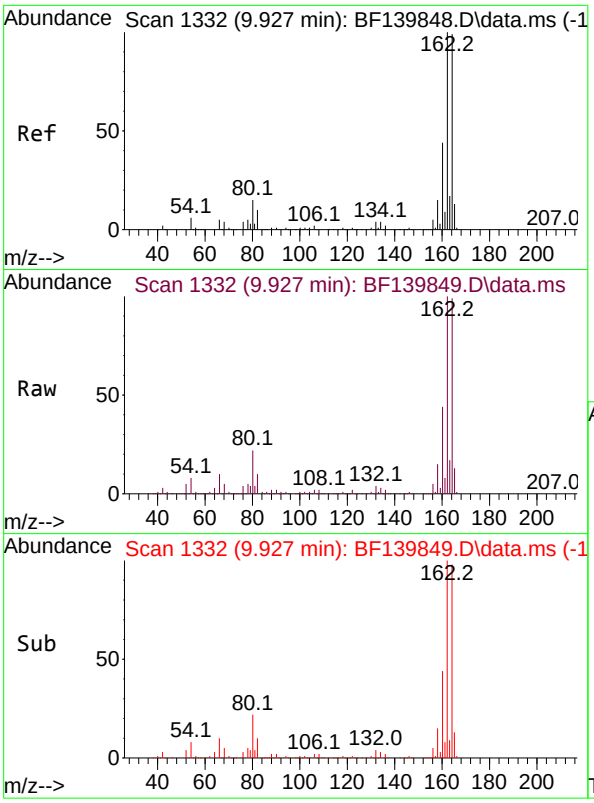


#38
1-Methylnaphthalene
Concen: 45.933 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:142 Resp: 1052879

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.5	110.3

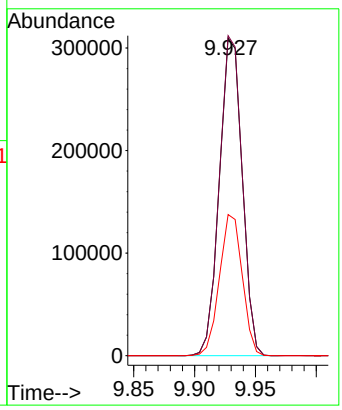




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:164 Resp: 40519

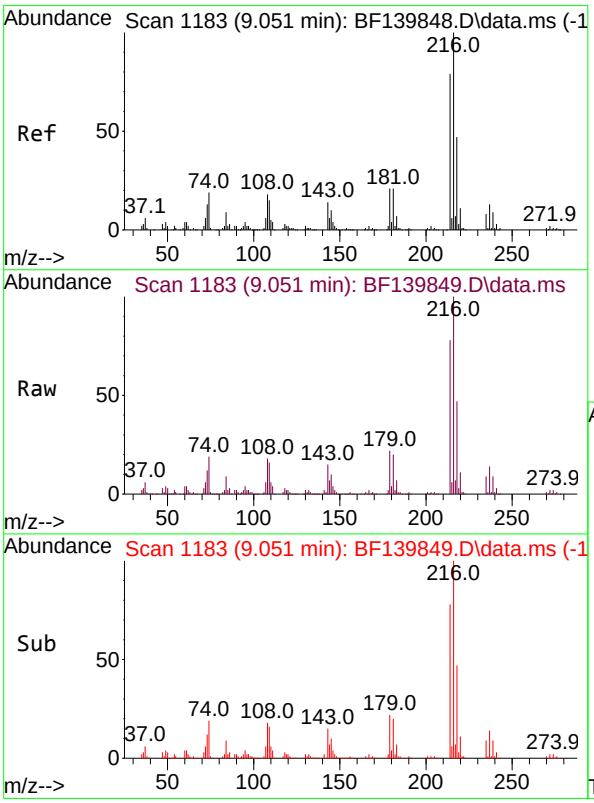
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.0	121.4
160	44.4	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

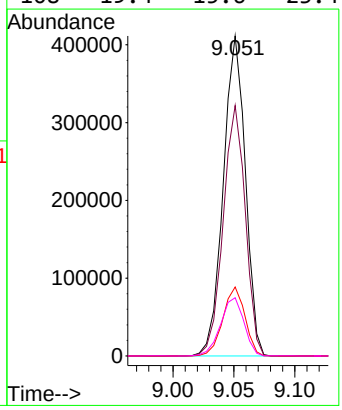
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

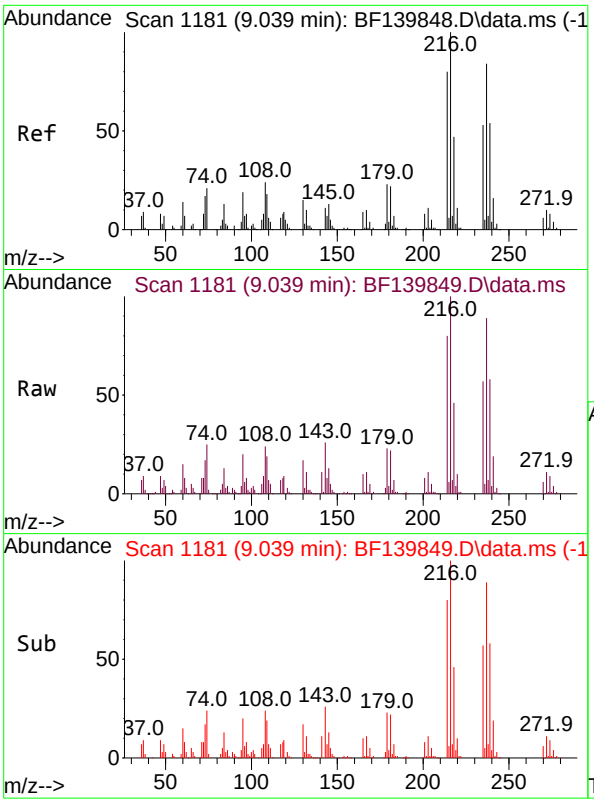


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.474 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:216 Resp: 518960

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.4	95.0
179	21.5	17.2	25.8
108	19.4	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 49.488 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

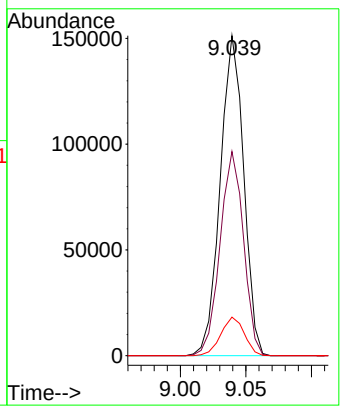
Tgt Ion:237 Resp: 18823

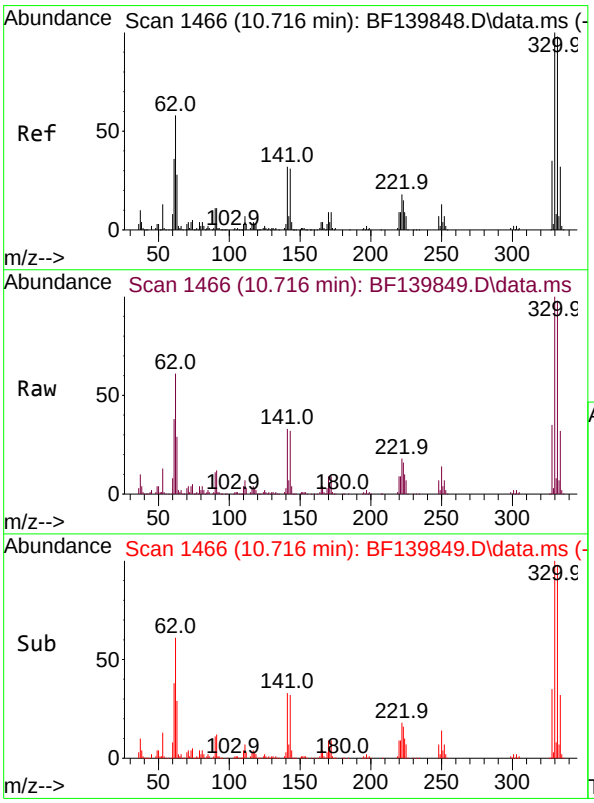
Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.9	82.9
272	12.0	0.0	32.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

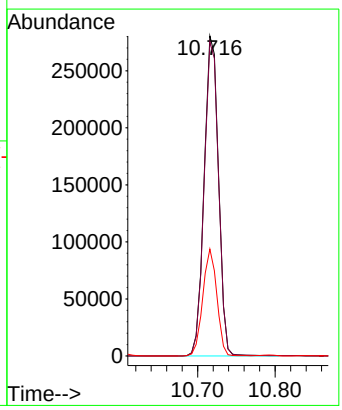


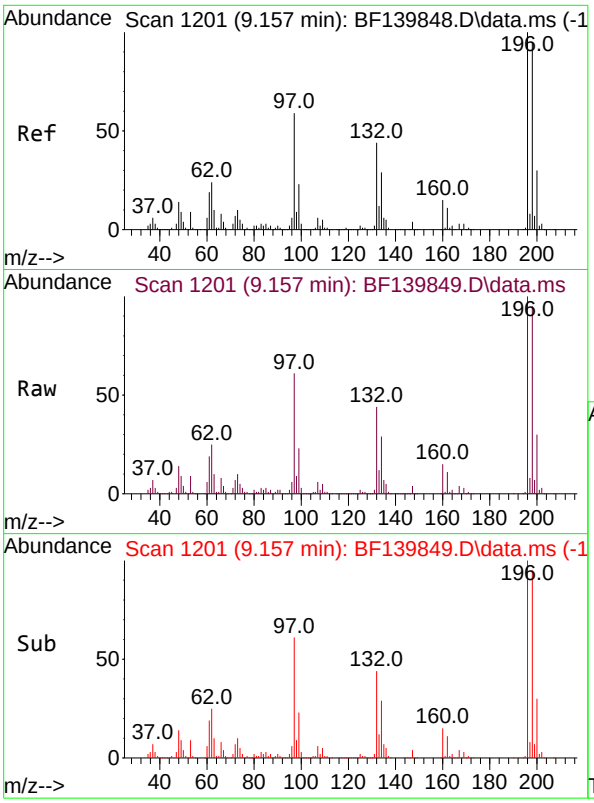


#42
2,4,6-Tribromophenol
Concen: 95.600 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:330 Resp: 362330

Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.1	117.1
141	32.6	26.6	39.8

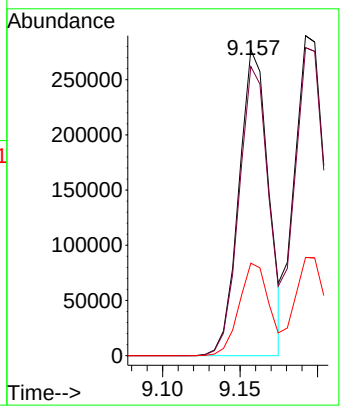




#43
2,4,6-Trichlorophenol
Concen: 47.468 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:196 Resp: 36737

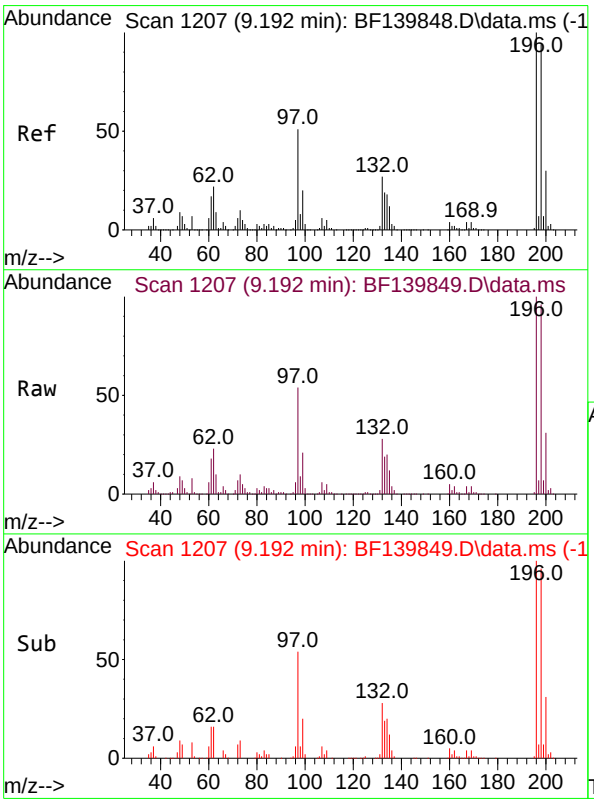
Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.2	114.2
200	30.2	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

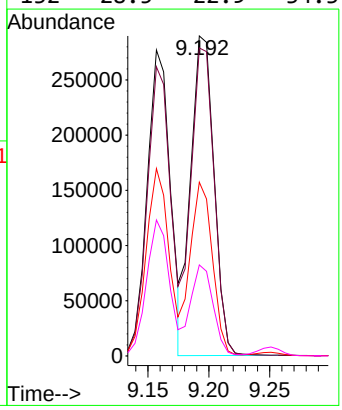
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

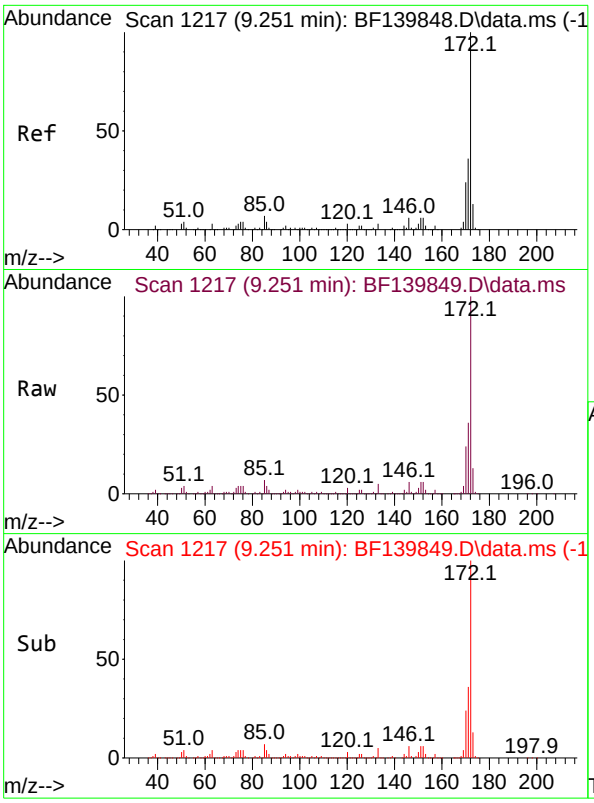


#44
2,4,5-Trichlorophenol
Concen: 48.336 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:196 Resp: 385963

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.8	113.6
97	54.3	41.8	62.6
132	28.5	22.9	34.3

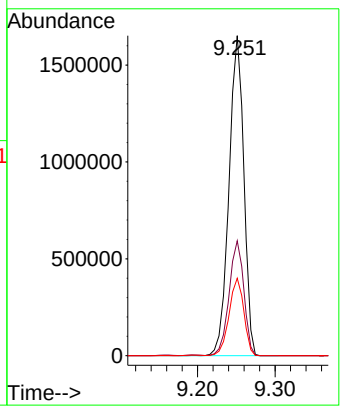




#45
2-Fluorobiphenyl
Concen: 89.915 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:172 Resp: 220446

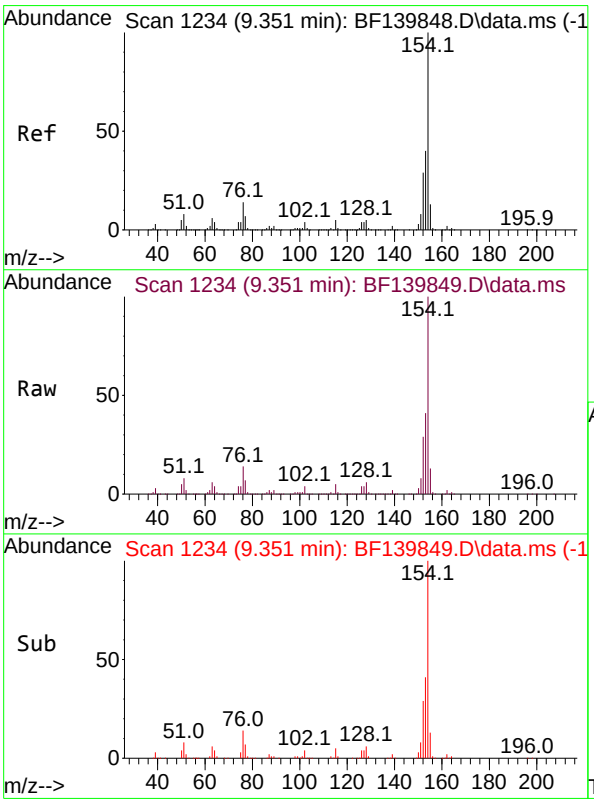
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.2	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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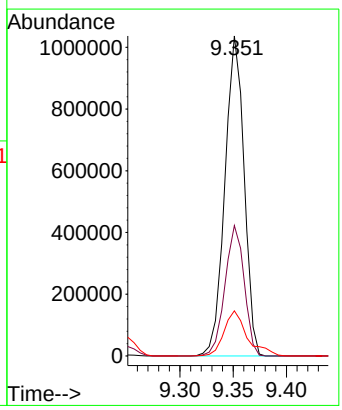
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

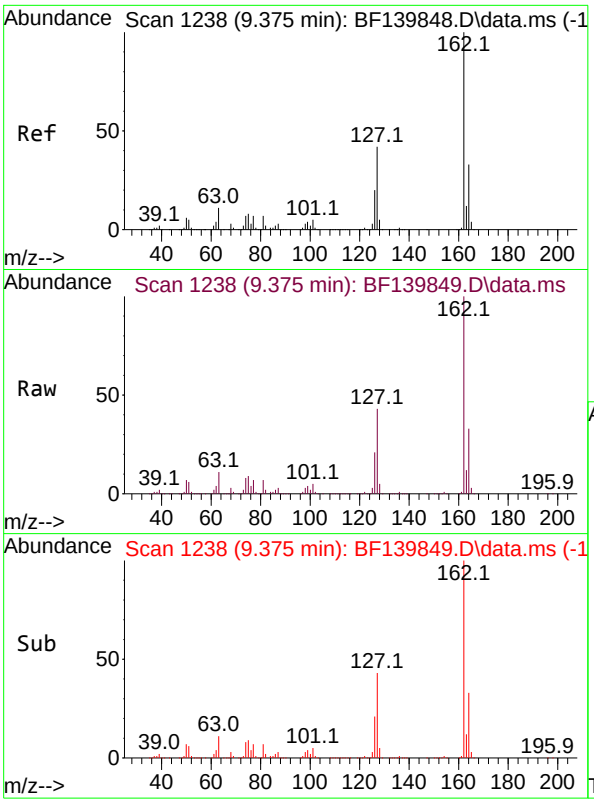


#46
1,1'-Biphenyl
Concen: 46.143 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:154 Resp: 1301562

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	14.1	0.0	33.9

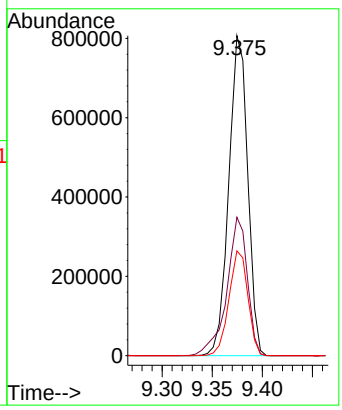




#47
2-Chloronaphthalene
Concen: 46.720 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:162 Resp: 106141

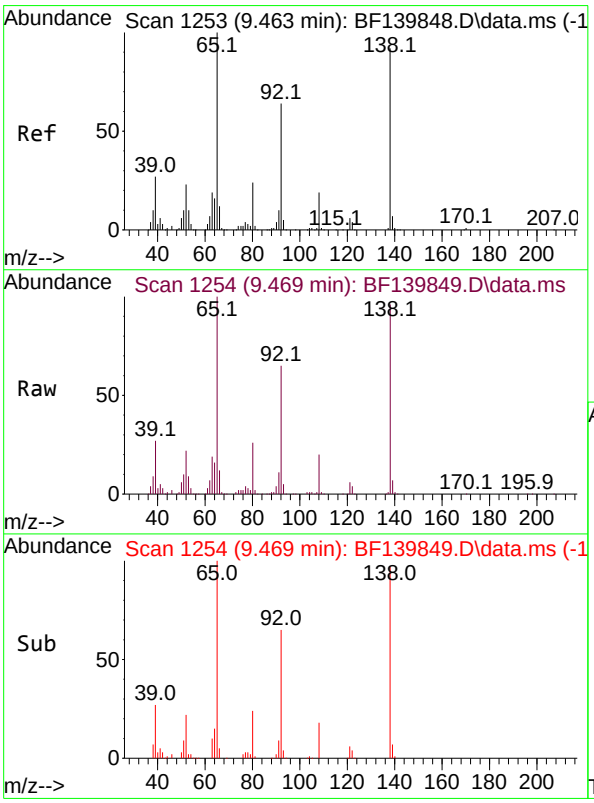
Ion	Ratio	Lower	Upper
162	100		
127	43.3	33.8	50.6
164	32.7	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

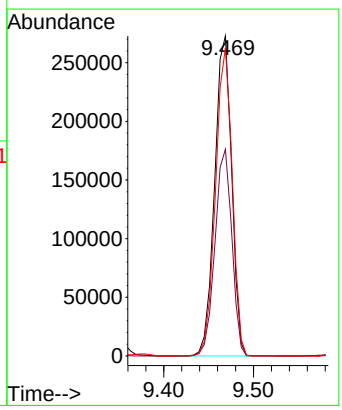
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

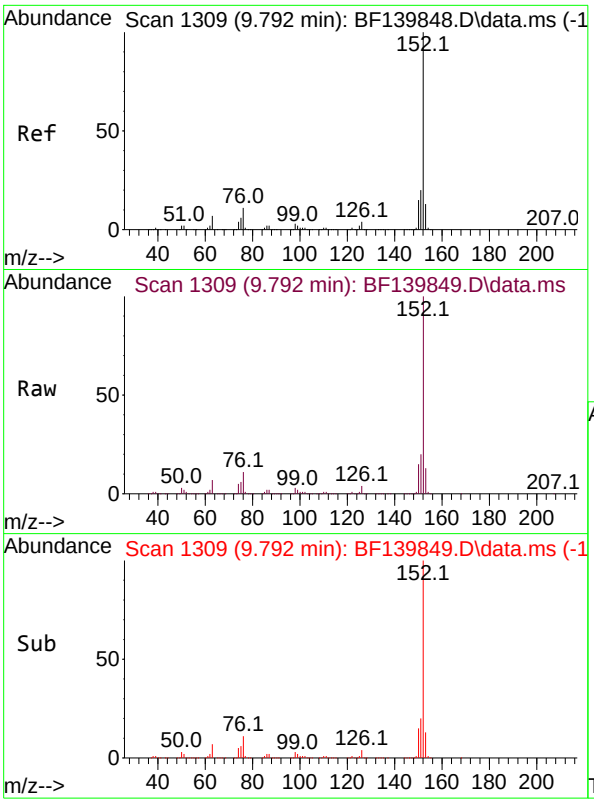


#48
2-Nitroaniline
Concen: 51.564 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 65 Resp: 358283

Ion	Ratio	Lower	Upper
65	100		
92	64.6	50.9	76.3
138	96.2	73.4	110.0

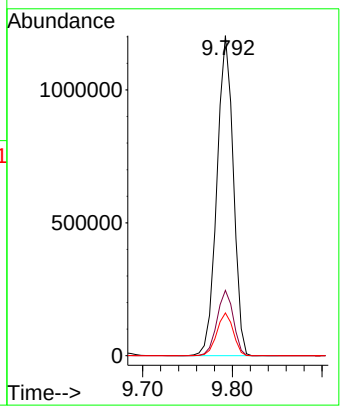




#49
Acenaphthylene
Concen: 46.479 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:152 Resp: 152658

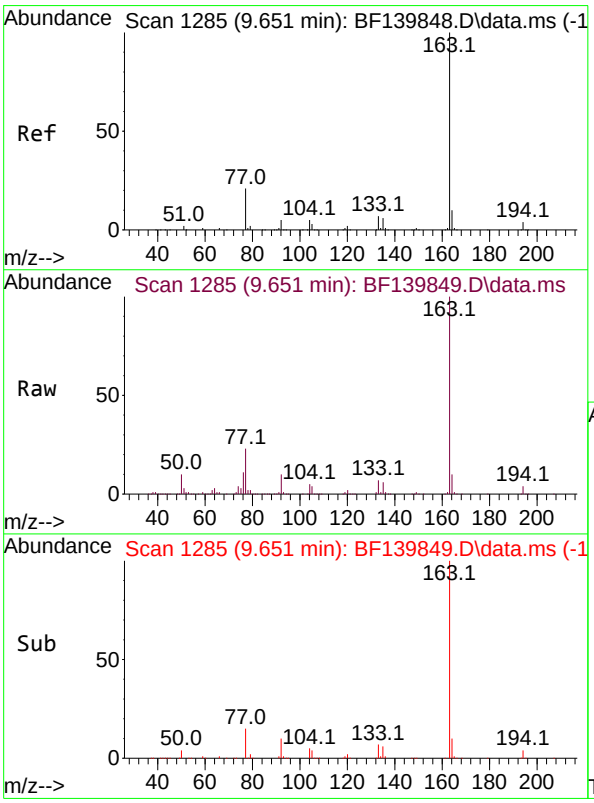
Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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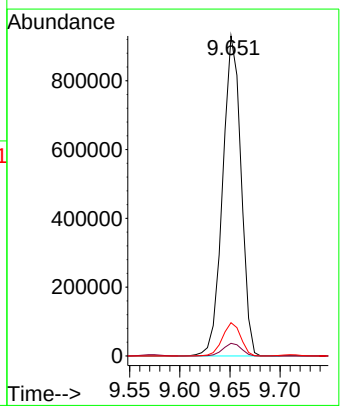
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

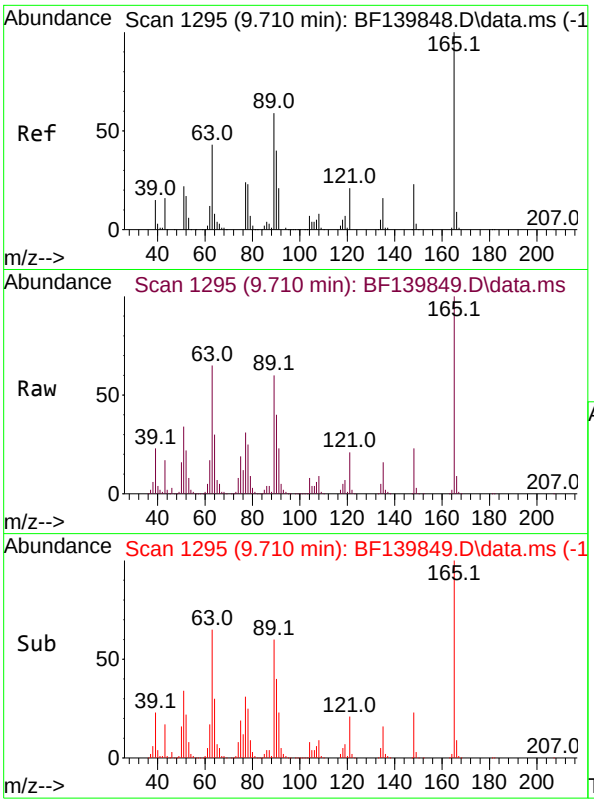


#50
Dimethylphthalate
Concen: 47.050 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:163 Resp: 1187472

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.4	8.2	12.2

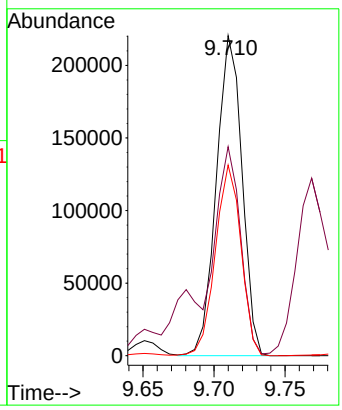




#51
2,6-Dinitrotoluene
Concen: 50.693 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:165 Resp: 27702

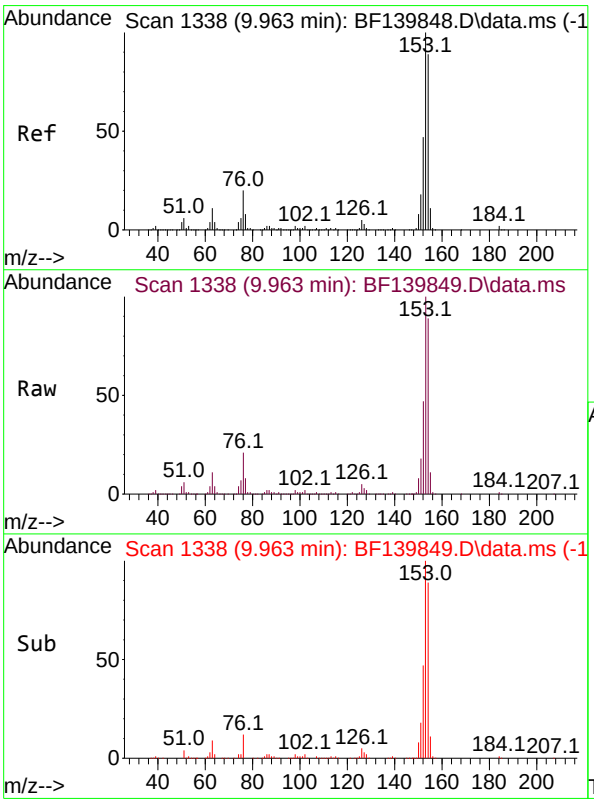
Ion	Ratio	Lower	Upper
165	100		
63	65.3	50.6	75.8
89	59.5	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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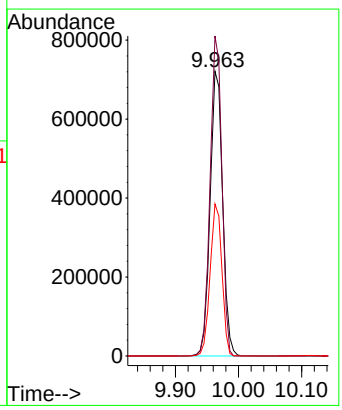
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

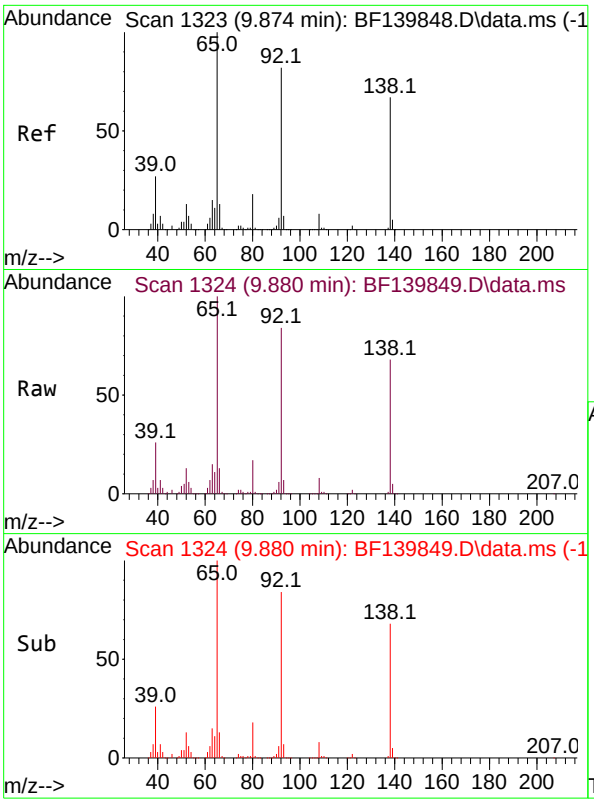


#52
Acenaphthene
Concen: 46.576 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:154 Resp: 989603

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.8	134.6
152	53.4	42.4	63.6





#53
3-Nitroaniline
Concen: 49.591 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

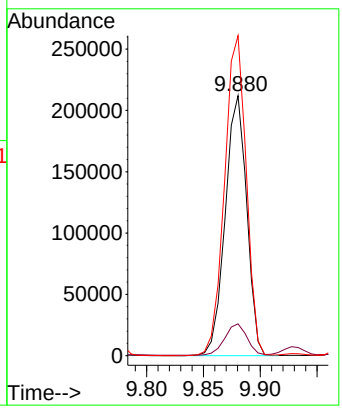
Tgt Ion:138 Resp: 27946

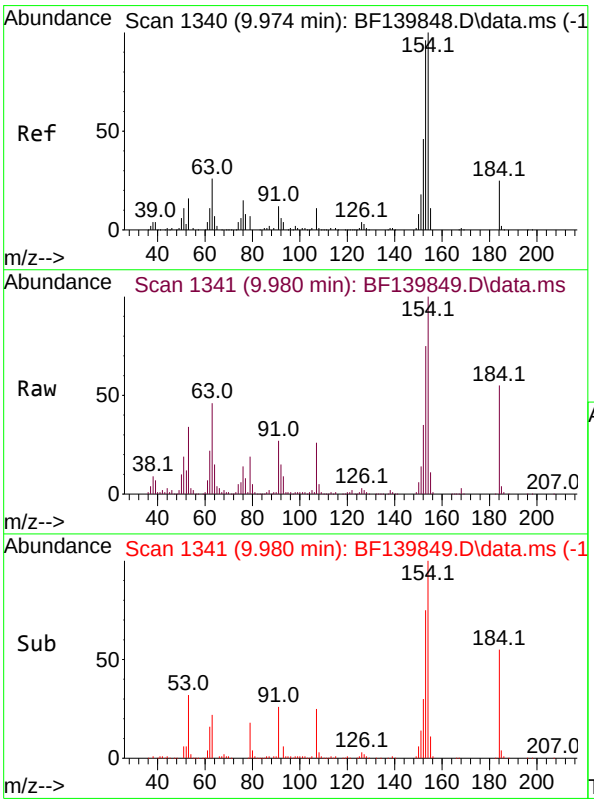
Ion	Ratio	Lower	Upper
138	100		
108	12.2	10.2	15.2
92	123.1	98.3	147.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

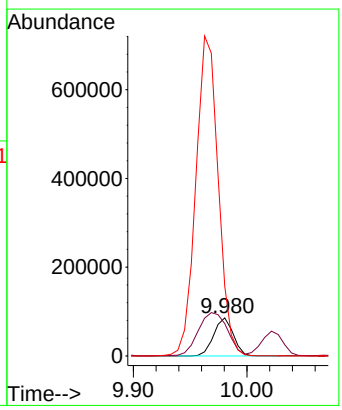


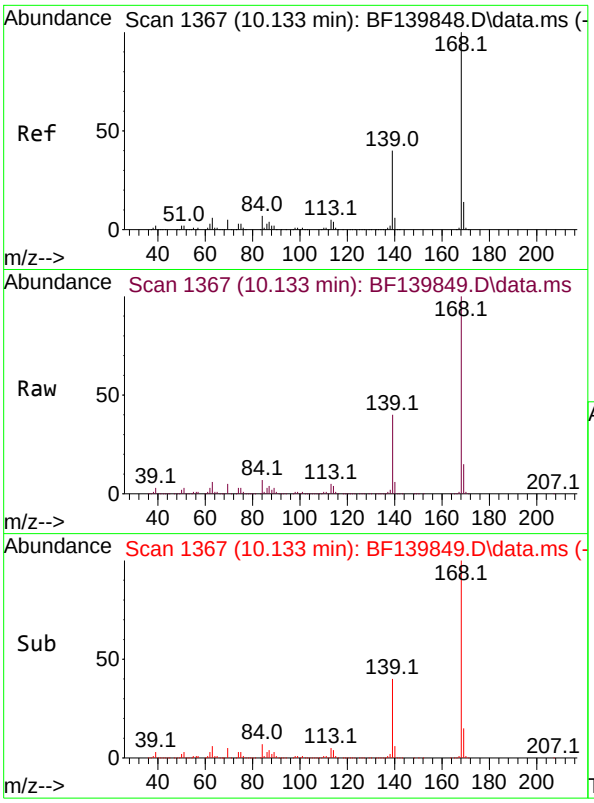


#54
2,4-Dinitrophenol
Concen: 48.105 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:184 Resp: 102786

Ion	Ratio	Lower	Upper
184	100		
63	84.8	84.7	127.1
154	182.9	338.2	507.2#

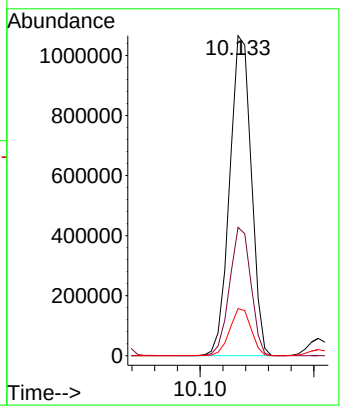




#55
Dibenzofuran
Concen: 46.162 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:168 Resp: 140721

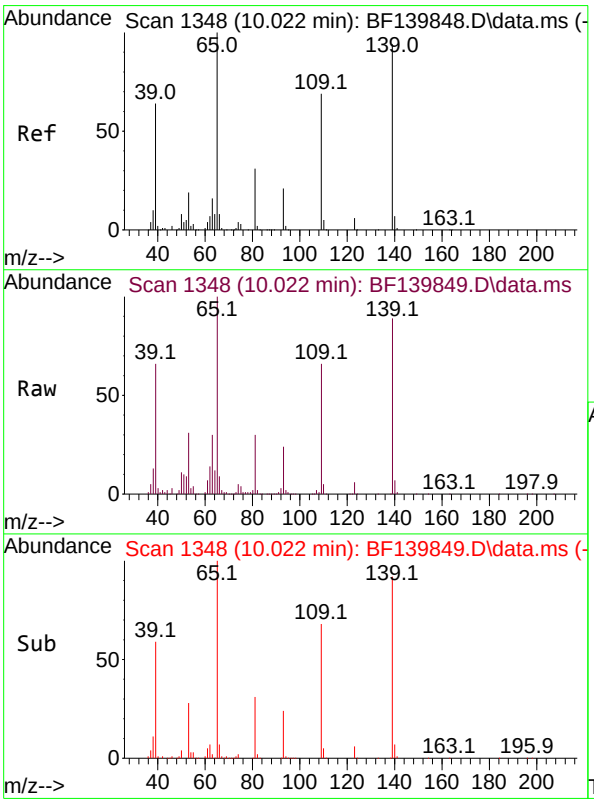
Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.8	47.6
169	14.7	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

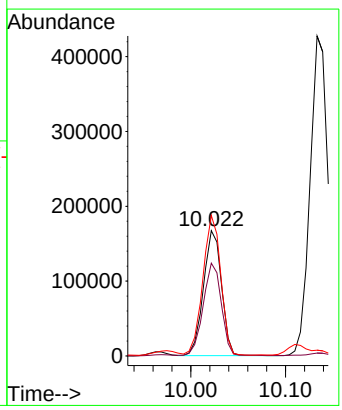
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

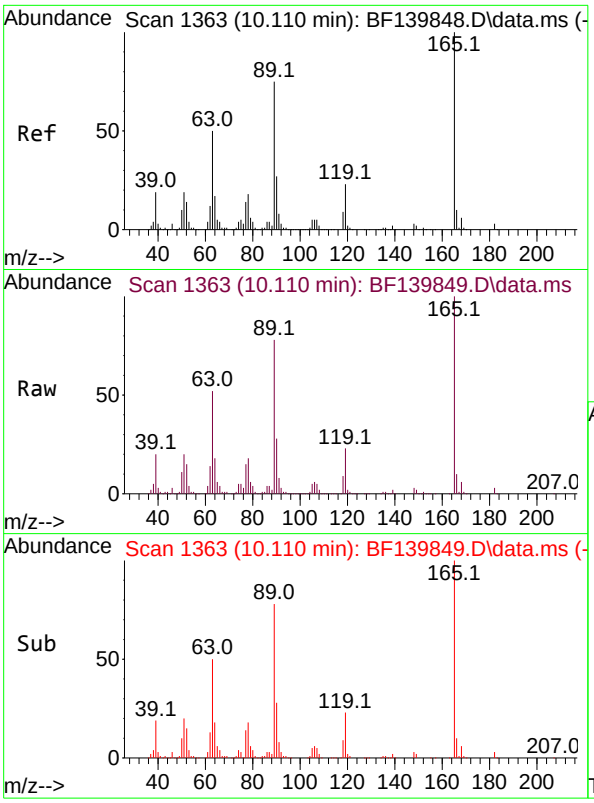


#56
4-Nitrophenol
Concen: 51.068 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:139 Resp: 221410

Ion	Ratio	Lower	Upper
139	100		
109	74.0	53.6	93.6
65	112.1	87.8	127.8

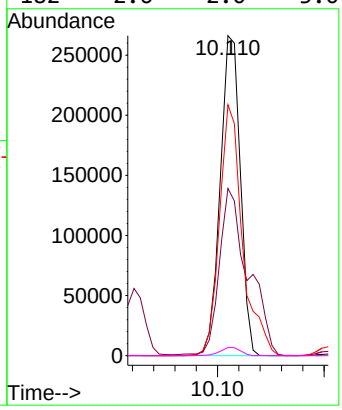




#57
2,4-Dinitrotoluene
Concen: 51.878 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:165 Resp: 34862

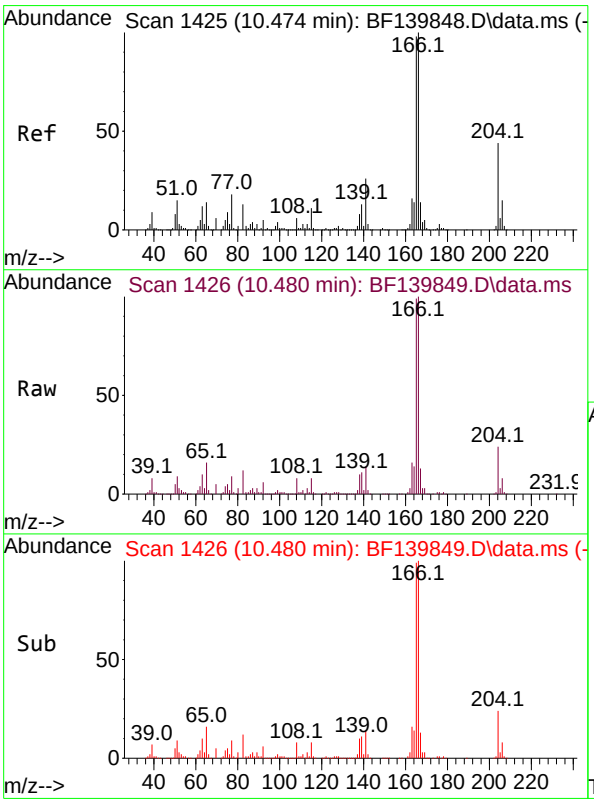
Ion	Ratio	Lower	Upper
165	100		
63	52.2	40.1	60.1
89	78.4	60.4	90.6
182	2.6	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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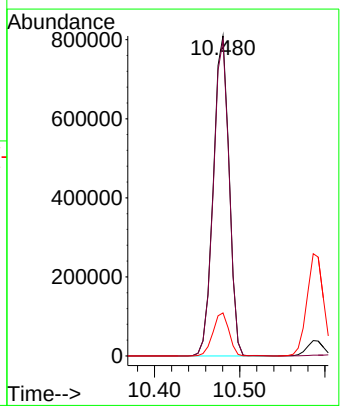
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

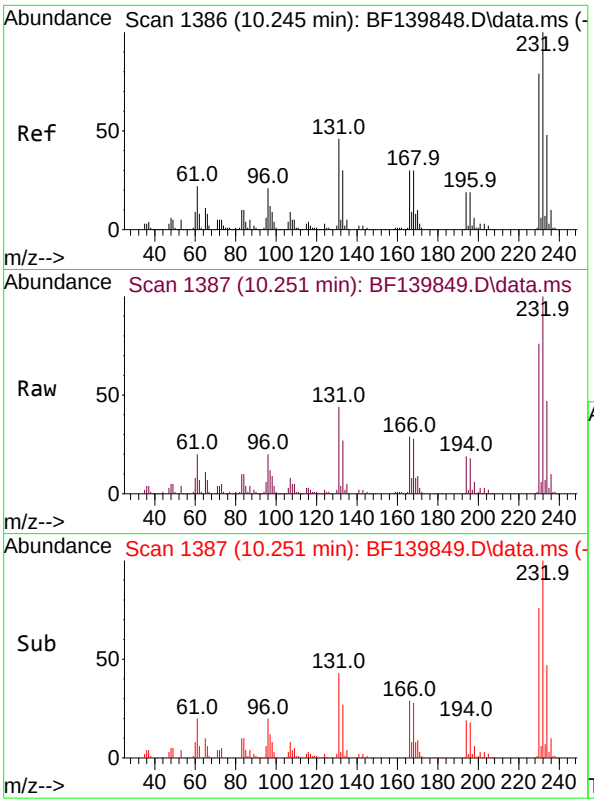


#58
Fluorene
Concen: 44.889 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:166 Resp: 1042268

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.5	117.7
167	13.5	10.9	16.3

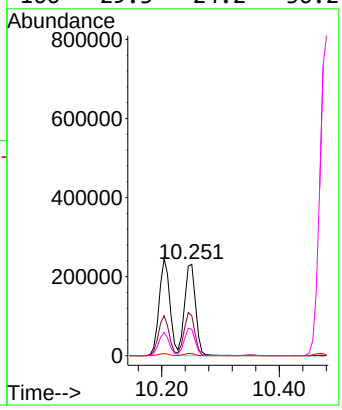




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.975 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:232 Resp: 30030

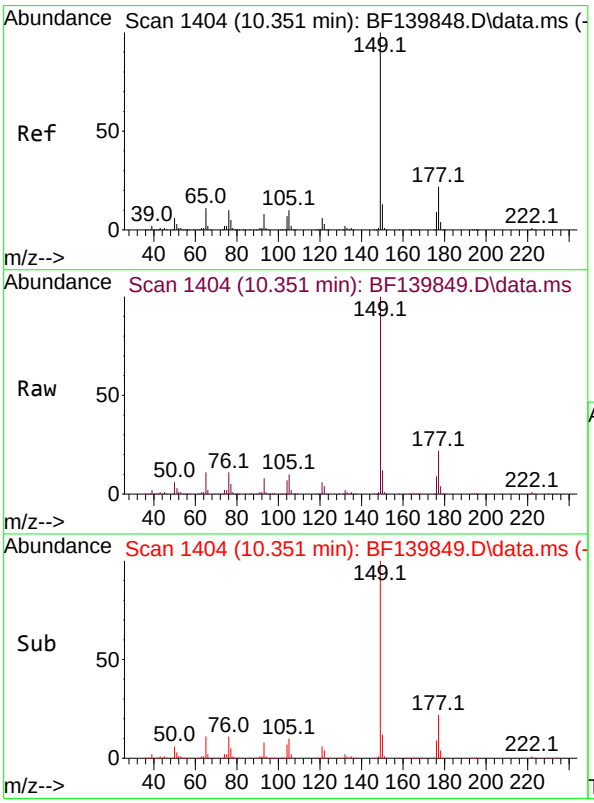
Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.0	55.6
130	2.4	1.9	2.9
166	29.3	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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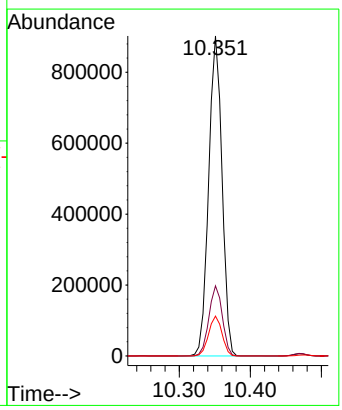
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

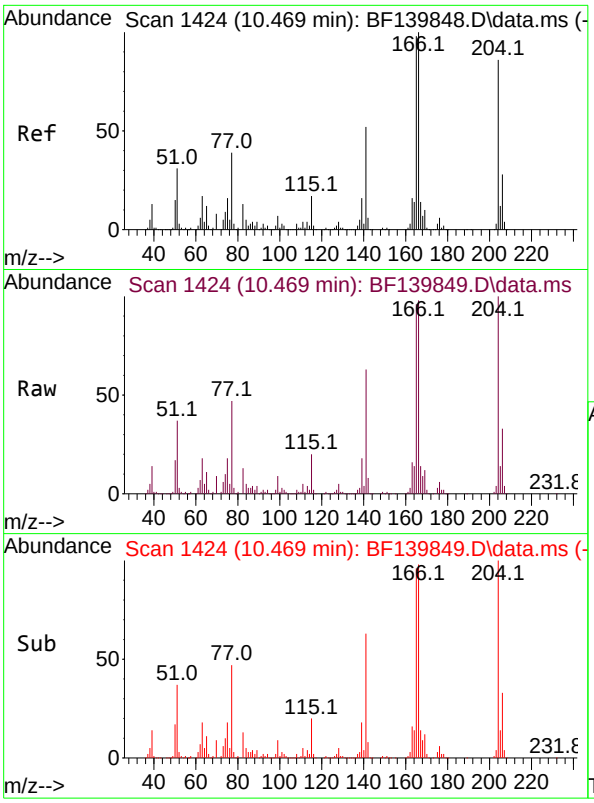


#60
Diethylphthalate
Concen: 47.634 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:149 Resp: 1180411

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.9	26.9
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 45.427 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

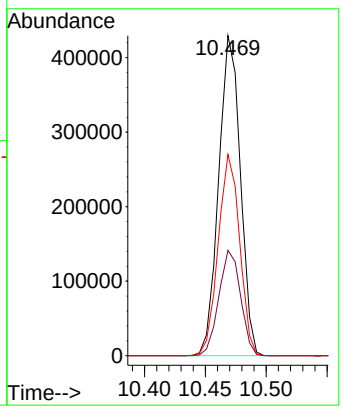
Tgt Ion:204 Resp: 53265

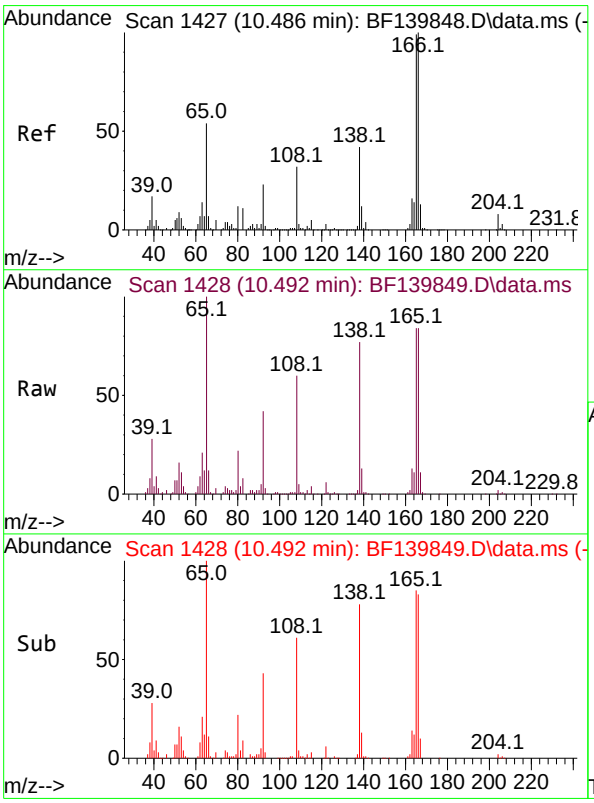
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	62.9	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

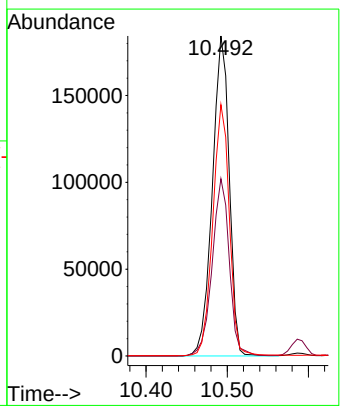


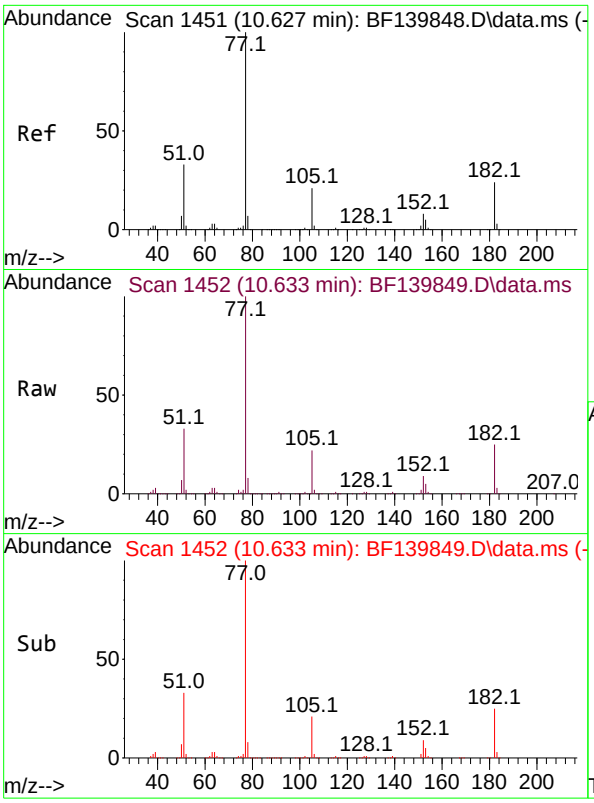


#62
4-Nitroaniline
Concen: 50.037 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:138 Resp: 266320

Ion	Ratio	Lower	Upper
138	100		
92	55.4	35.7	75.7
108	78.6	57.5	97.5

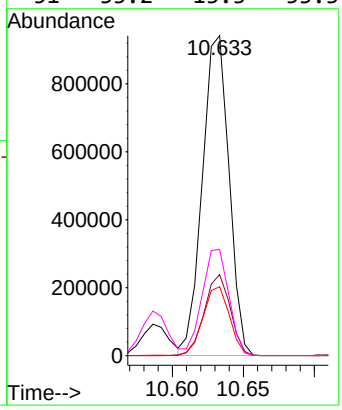




#63
Azobenzene
Concen: 46.881 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion: 77 Resp: 123164

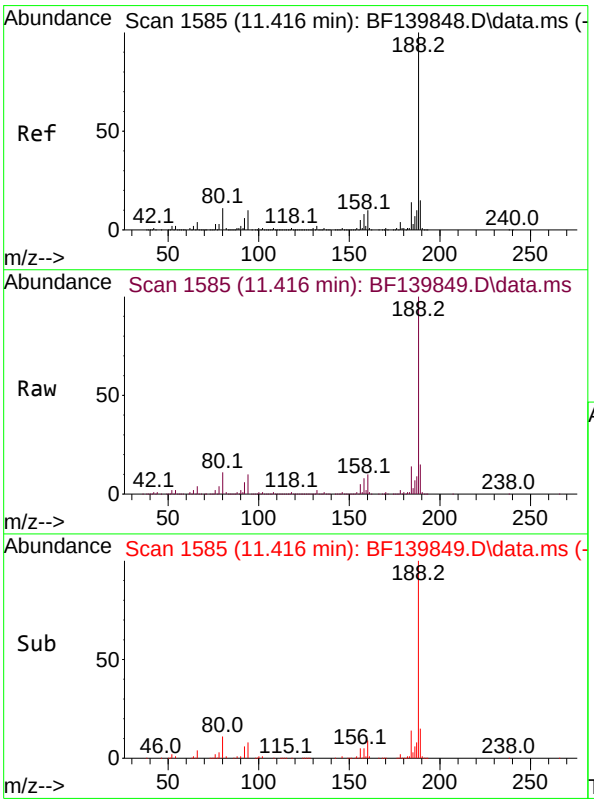
Ion	Ratio	Lower	Upper
77	100		
182	25.4	3.3	43.3
105	21.5	1.2	41.2
51	33.2	13.3	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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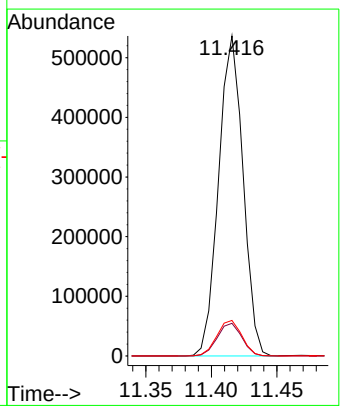
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

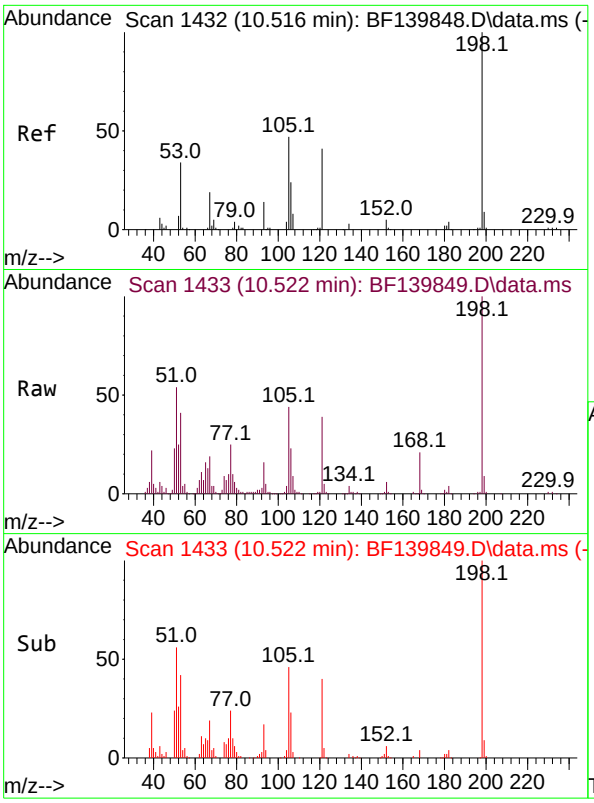


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:188 Resp: 694873

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.9	11.9
80	11.1	9.0	13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 55.202 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

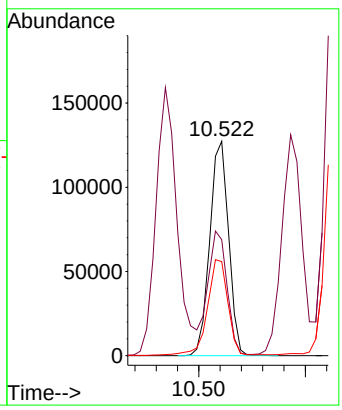
Tgt Ion:198 Resp: 15646

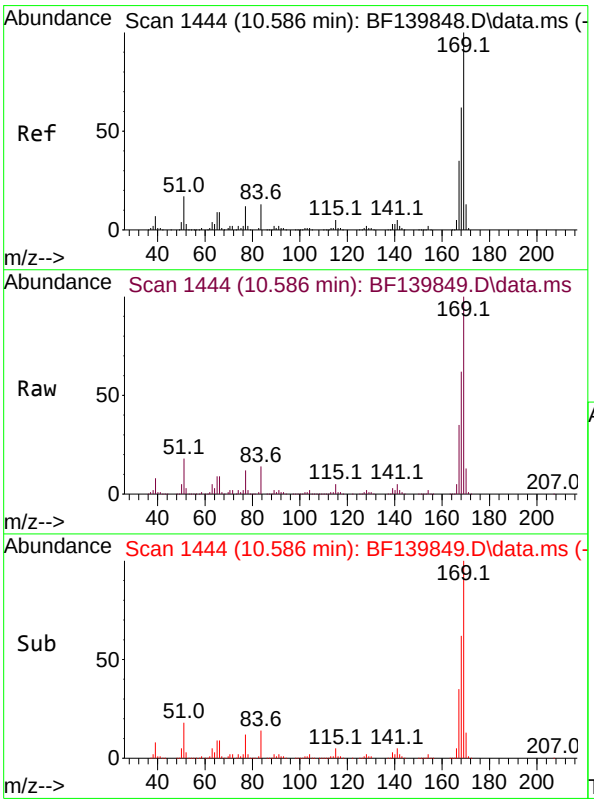
Ion	Ratio	Lower	Upper
198	100		
51	54.1	38.2	78.2
105	43.9	27.9	67.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

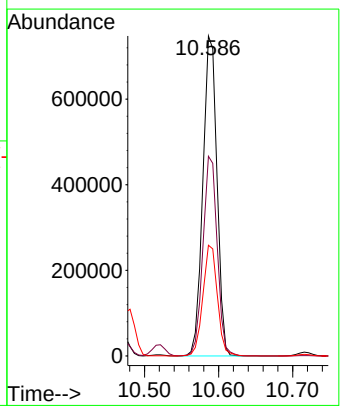


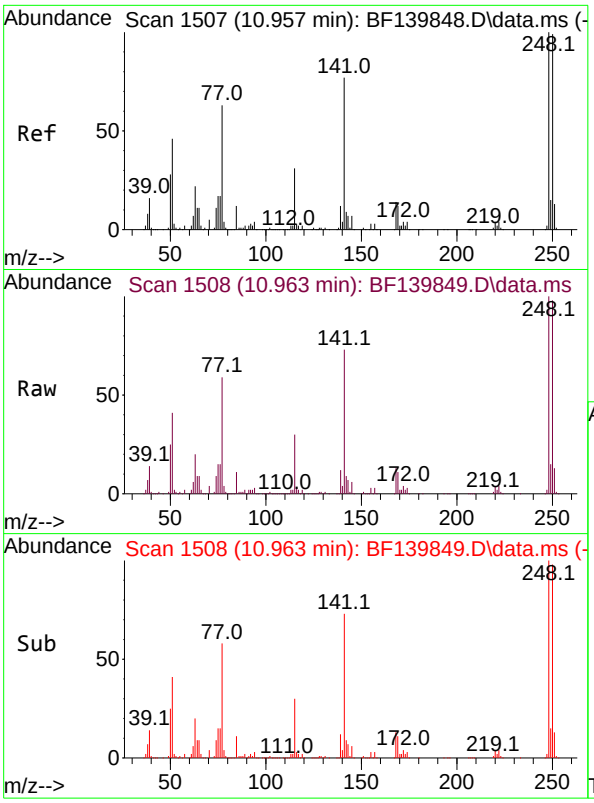


#66
n-Nitrosodiphenylamine
Concen: 47.472 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:169 Resp: 987295

Ion	Ratio	Lower	Upper
169	100		
168	62.4	49.8	74.6
167	34.6	28.0	42.0

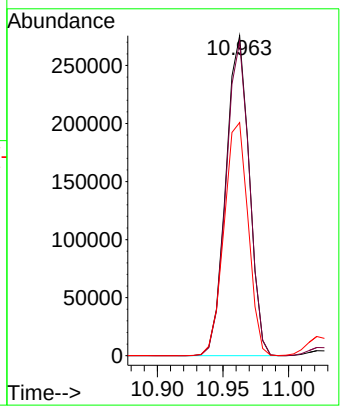




#67
4-Bromophenyl-phenylether
Concen: 47.746 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:248 Resp: 34179

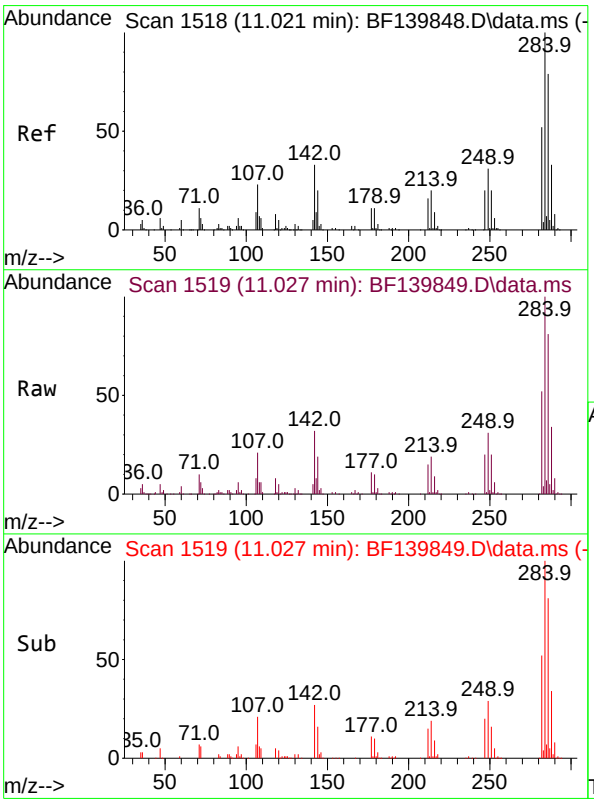
Ion	Ratio	Lower	Upper
248	100		
250	98.1	79.0	118.6
141	72.9	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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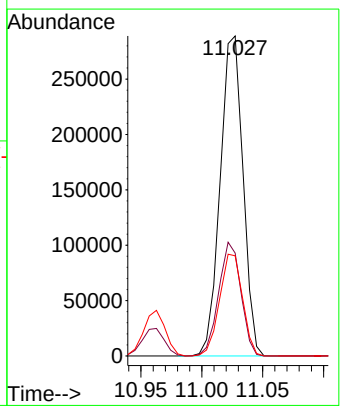
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

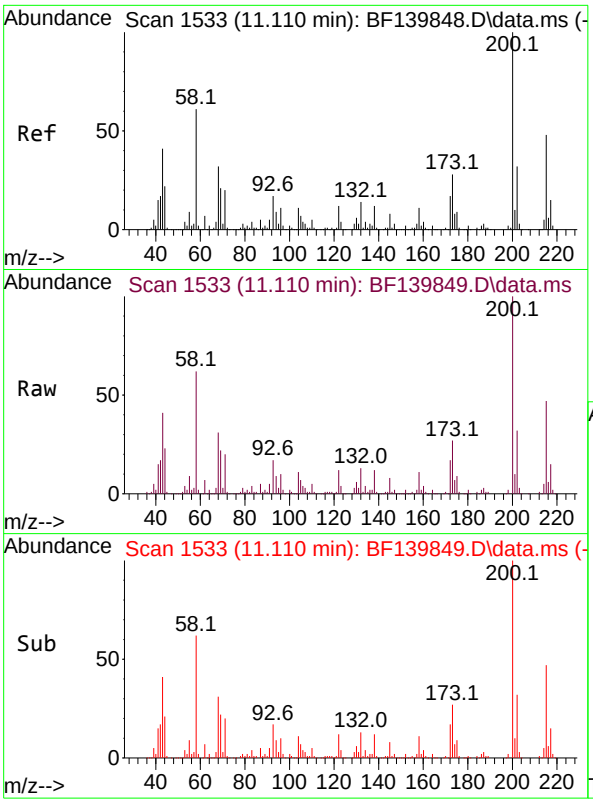


#68
Hexachlorobenzene
Concen: 46.823 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:284 Resp: 376968

Ion	Ratio	Lower	Upper
284	100		
142	32.2	26.9	40.3
249	31.3	25.3	37.9

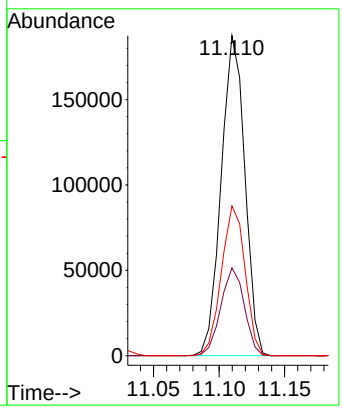




#69
Atrazine
Concen: 41.713 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:200 Resp: 23499

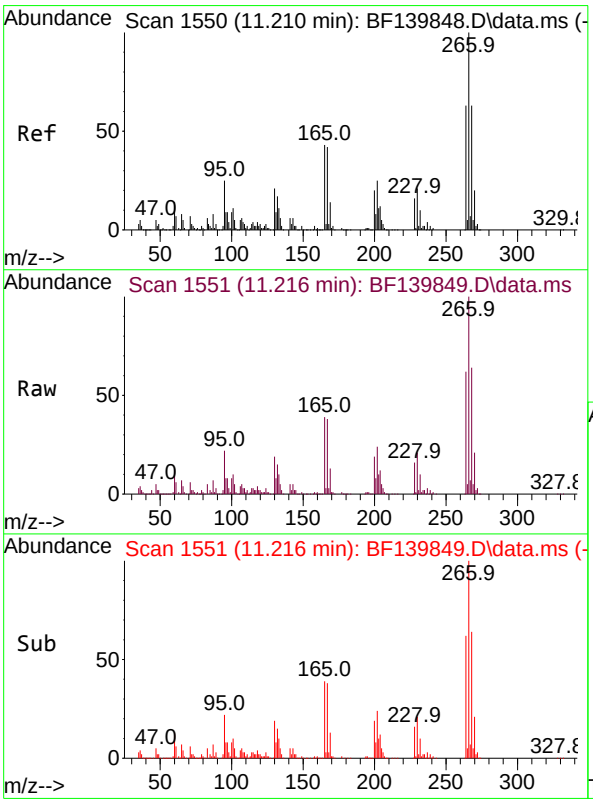
Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.7	47.7
215	46.8	27.7	67.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

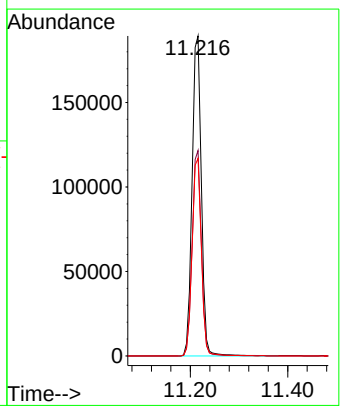
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

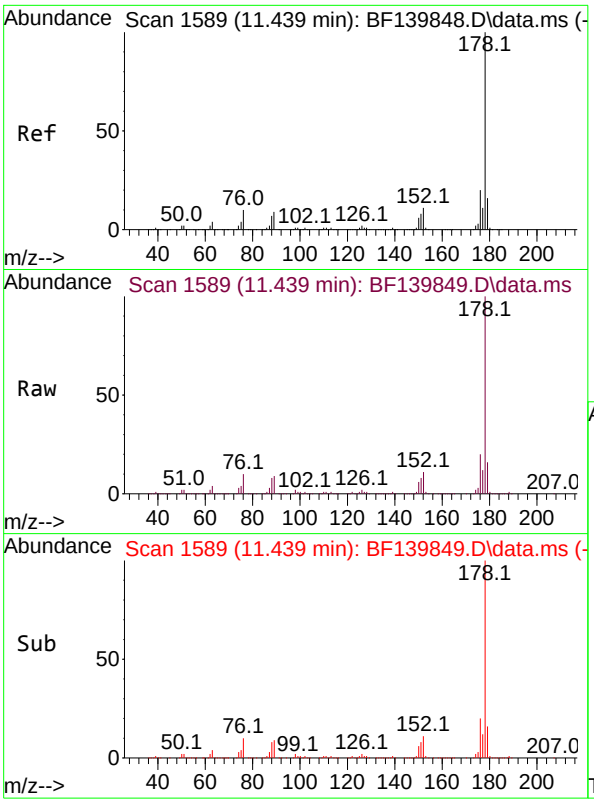


#70
Pentachlorophenol
Concen: 51.587 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:266 Resp: 252064

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.4	75.6
264	61.7	50.6	75.8

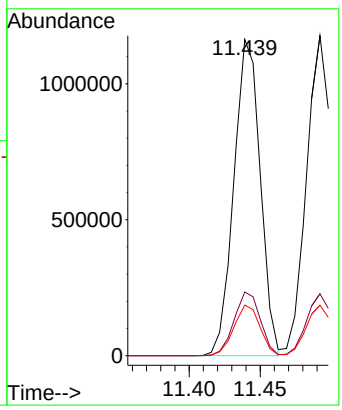




#71
Phenanthrene
Concen: 45.700 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:178 Resp: 150001

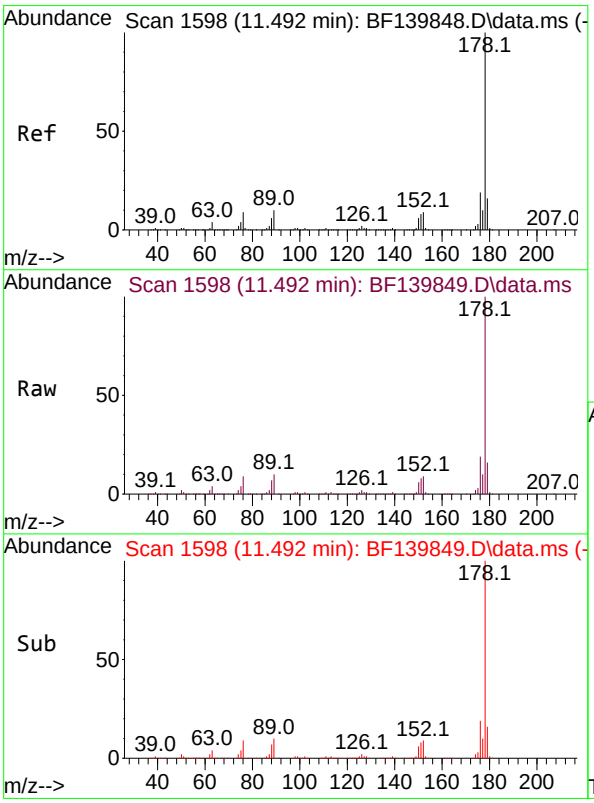
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	16.0	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

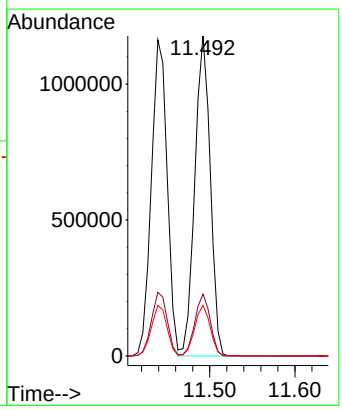
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

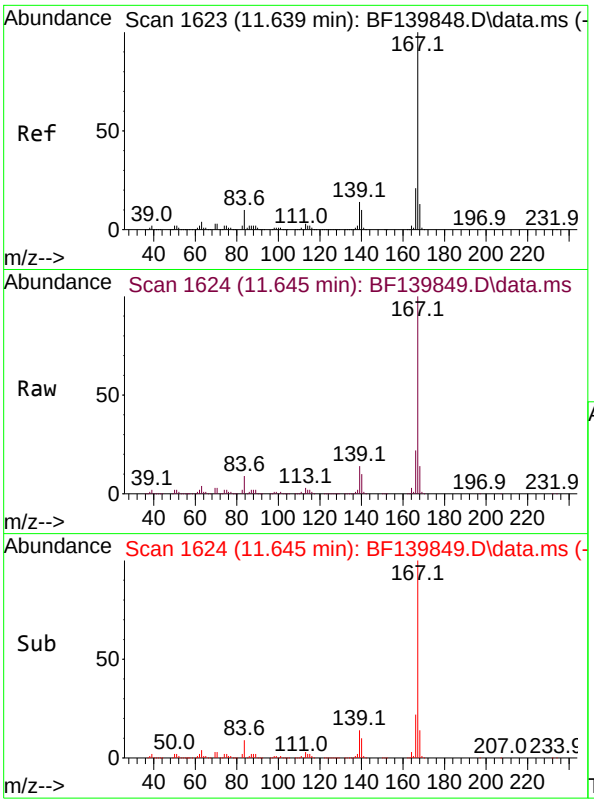


#72
Anthracene
Concen: 46.172 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:178 Resp: 1478655

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.4	18.6

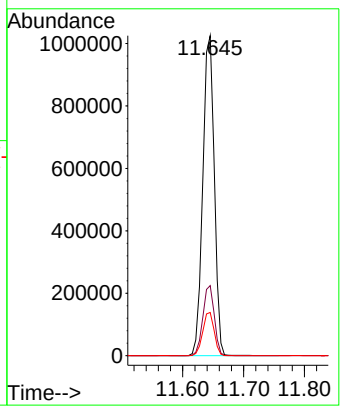




#73
Carbazole
Concen: 45.263 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:167 Resp: 134809

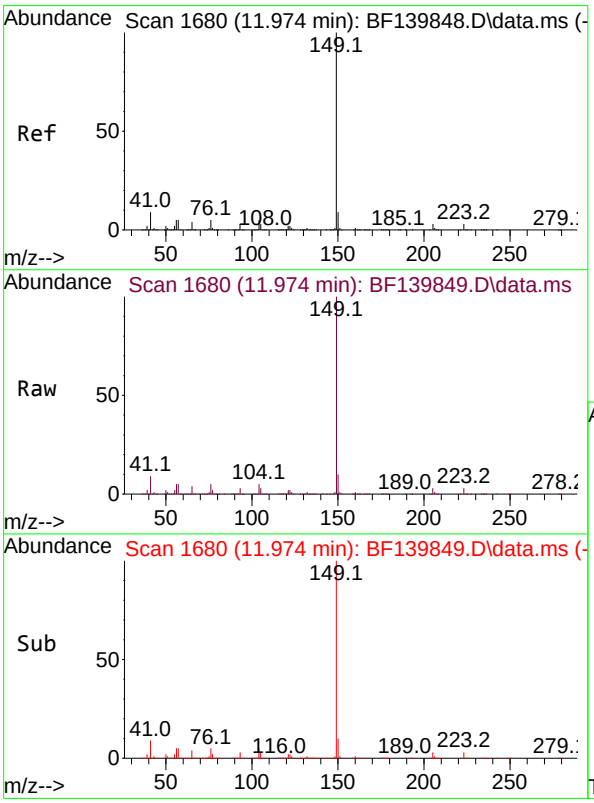
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

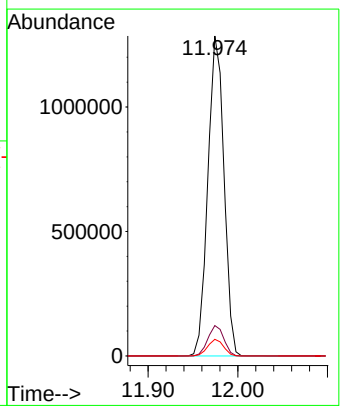
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

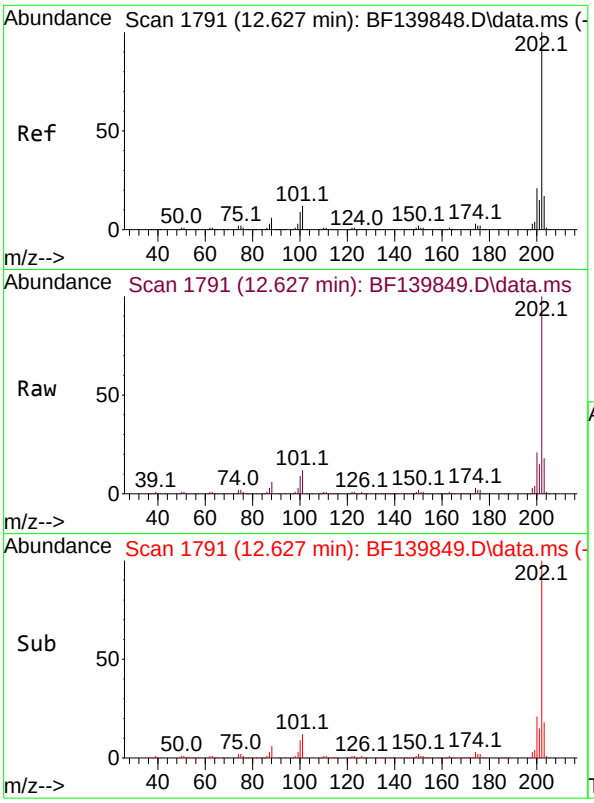


#74
Di-n-butylphthalate
Concen: 46.583 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:149 Resp: 1602928

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.2	4.1	6.1

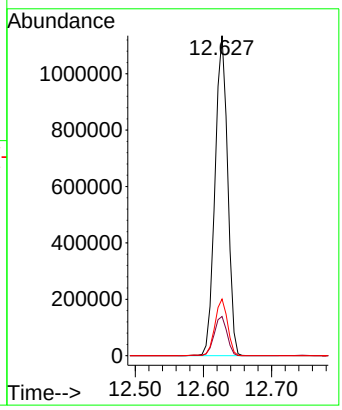




#75
Fluoranthene
Concen: 44.089 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:202 Resp: 146293

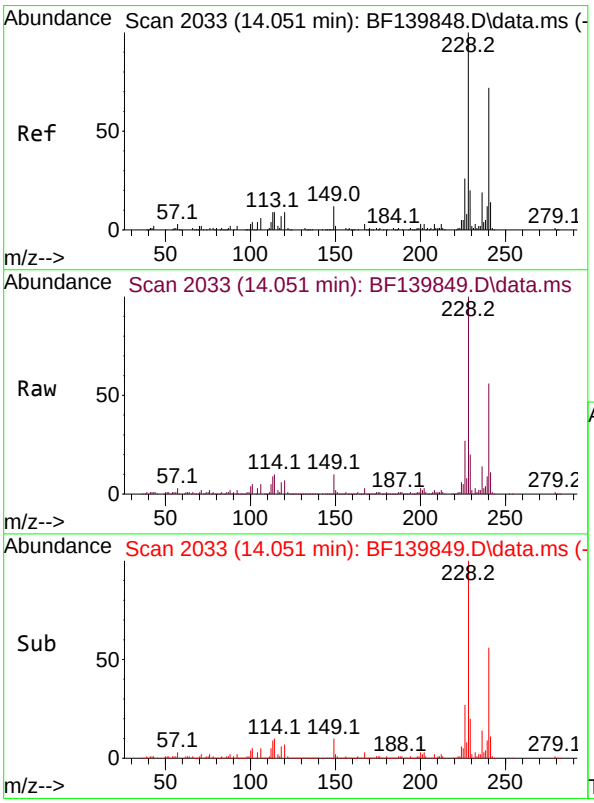
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.9
203	17.7	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

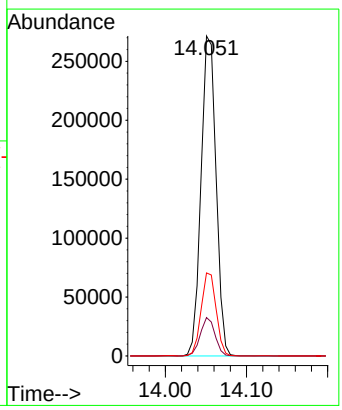
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

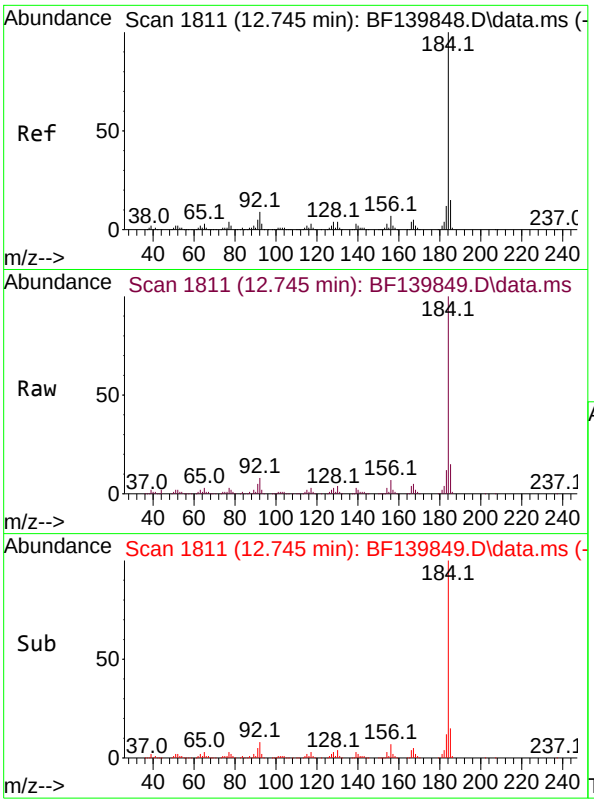


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:240 Resp: 349496

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.4	14.2
236	26.0	20.9	31.3

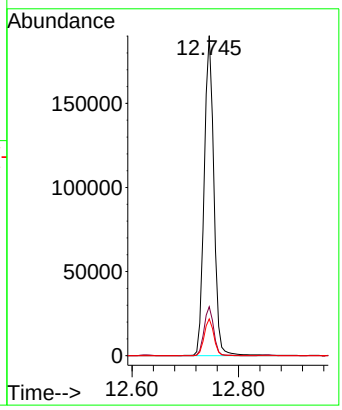




#77
Benzidine
Concen: 42.388 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:184 Resp: 24094

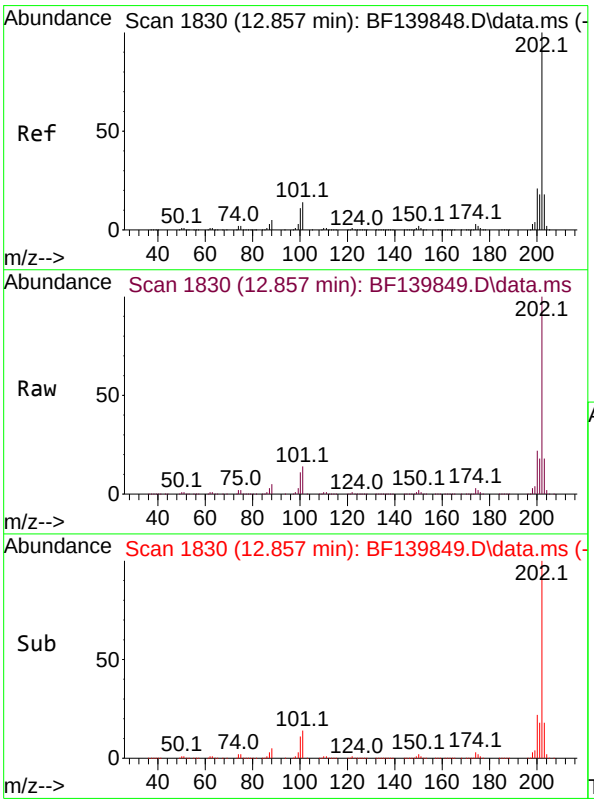
Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.0	18.0
183	11.5	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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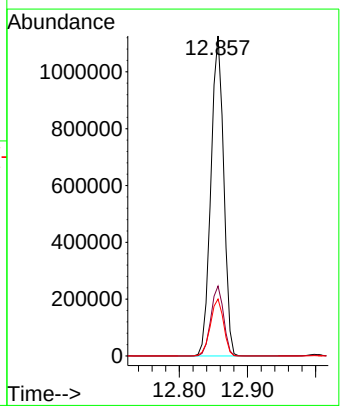
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

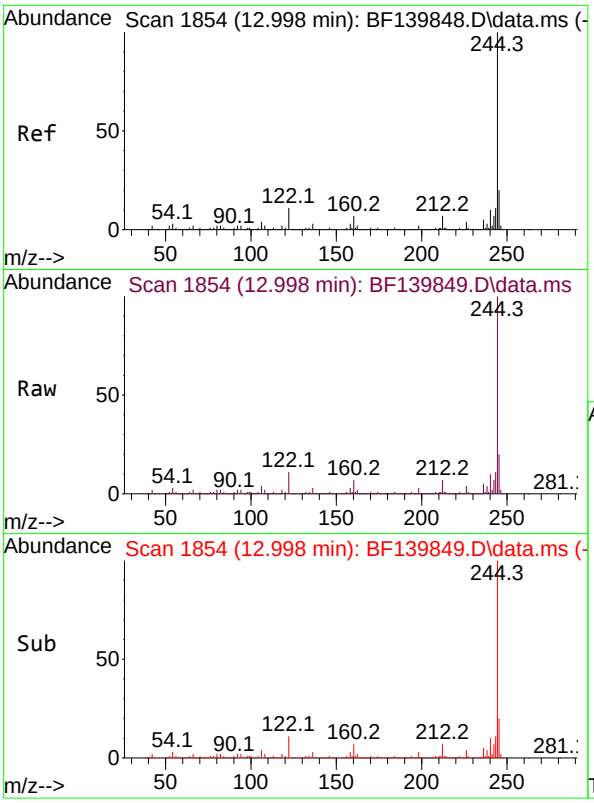


#78
Pyrene
Concen: 48.113 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:202 Resp: 1471893

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.8	14.2	21.4

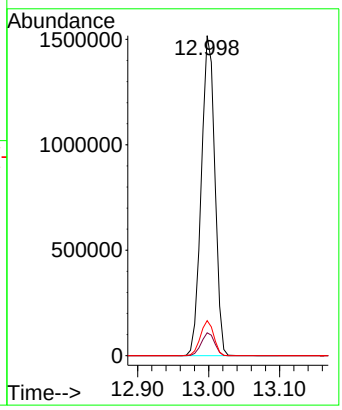




#79
Terphenyl-d14
Concen: 93.988 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:244 Resp: 201587

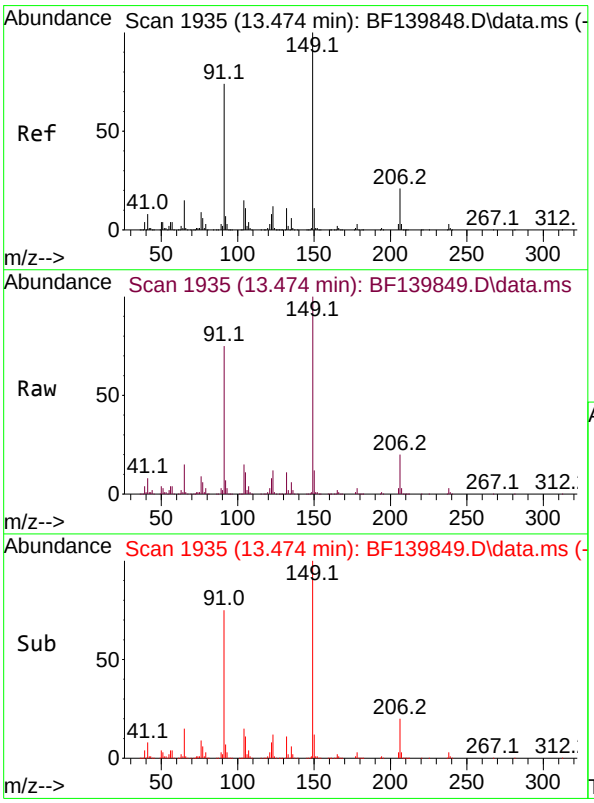
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.0	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

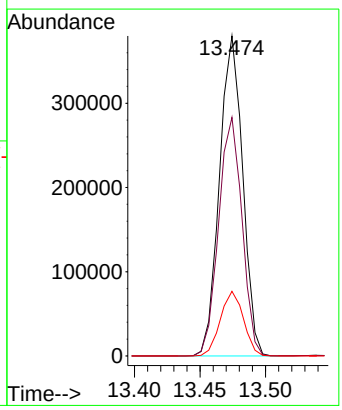
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

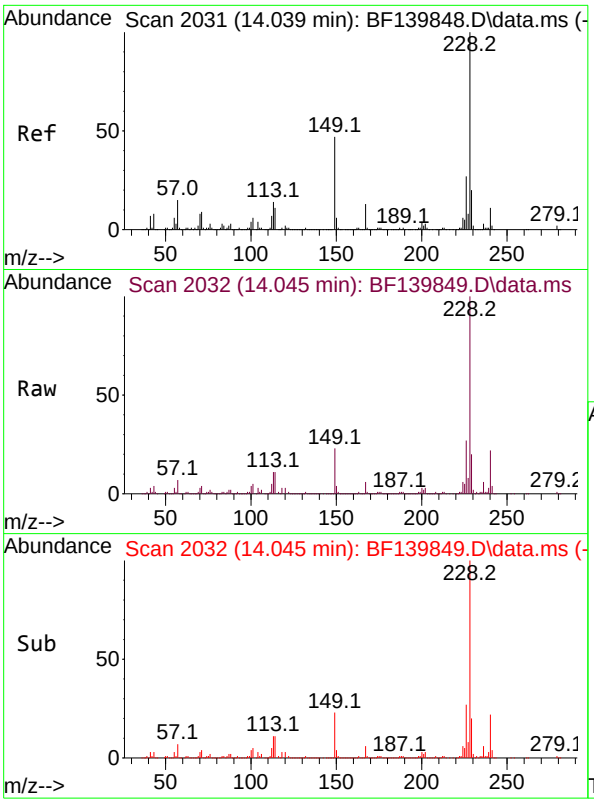


#80
Butylbenzylphthalate
Concen: 50.944 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:149 Resp: 467242

Ion	Ratio	Lower	Upper
149	100		
91	74.5	59.4	89.2
206	20.2	16.4	24.6





#81
Benzo(a)anthracene
Concen: 48.667 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

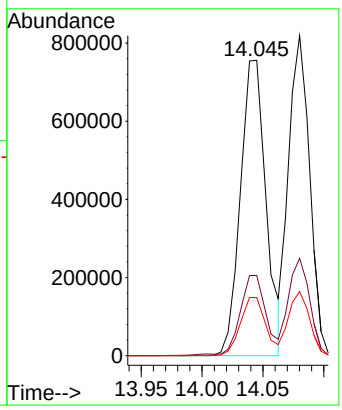
Tgt Ion:228 Resp: 110723

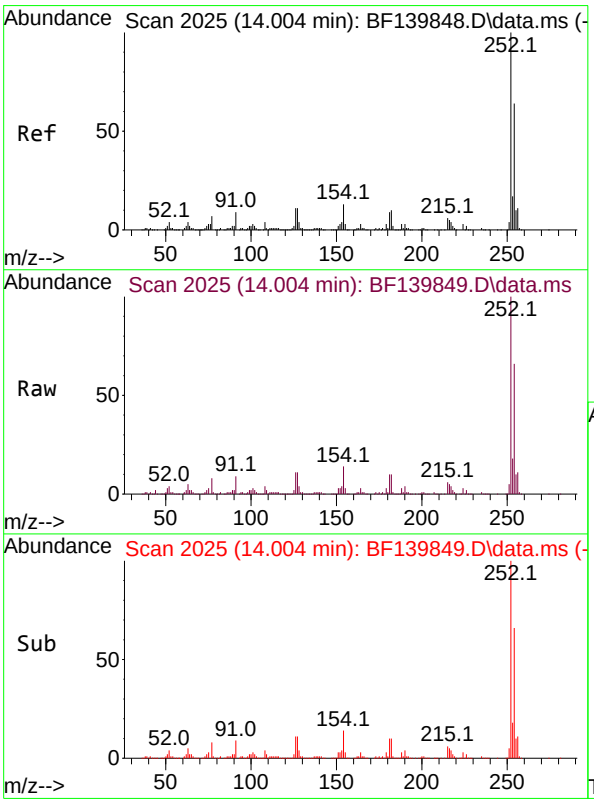
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.6	32.4
229	19.7	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

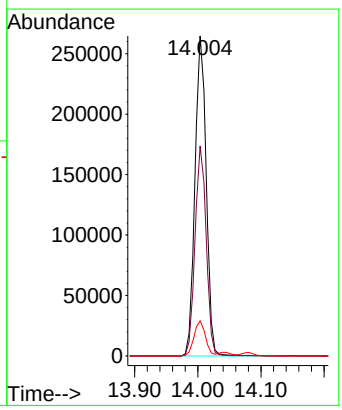


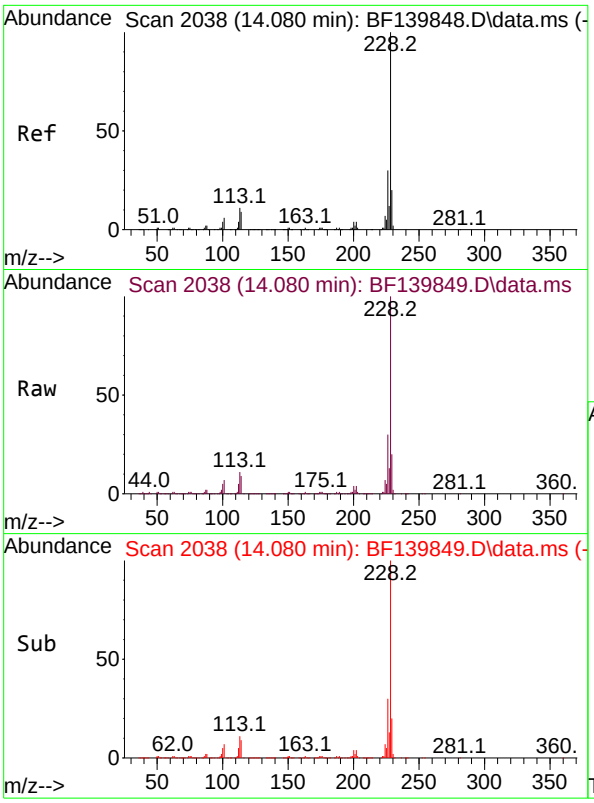


#82
3,3'-Dichlorobenzidine
Concen: 49.251 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:252 Resp: 326706

Ion	Ratio	Lower	Upper
252	100		
254	65.6	50.8	76.2
126	11.0	8.9	13.3

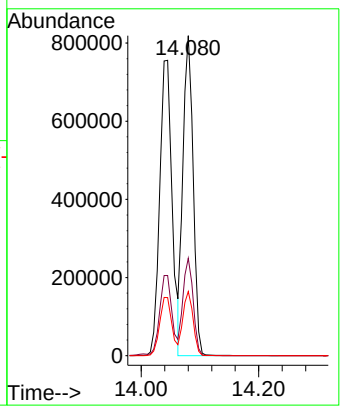




#83
Chrysene
Concen: 47.484 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:228 Resp: 99051

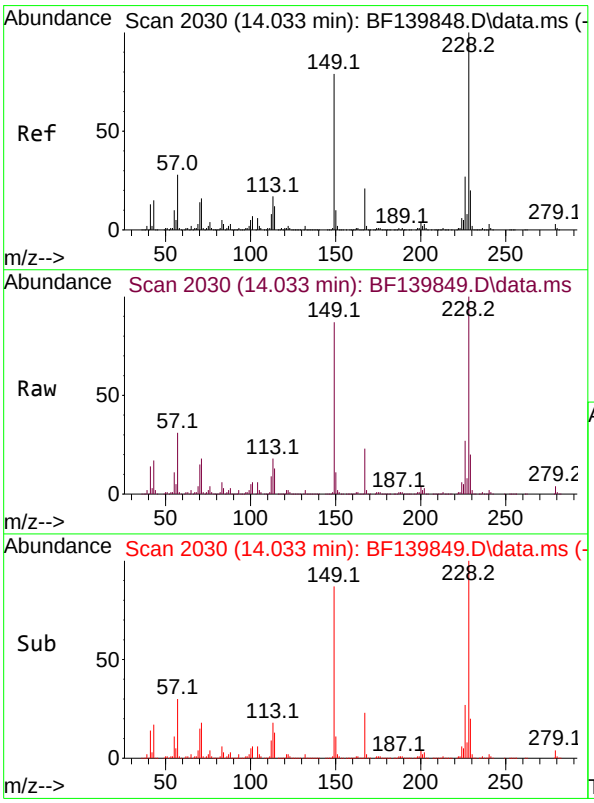
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	20.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

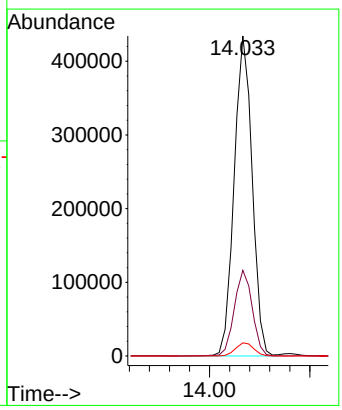
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

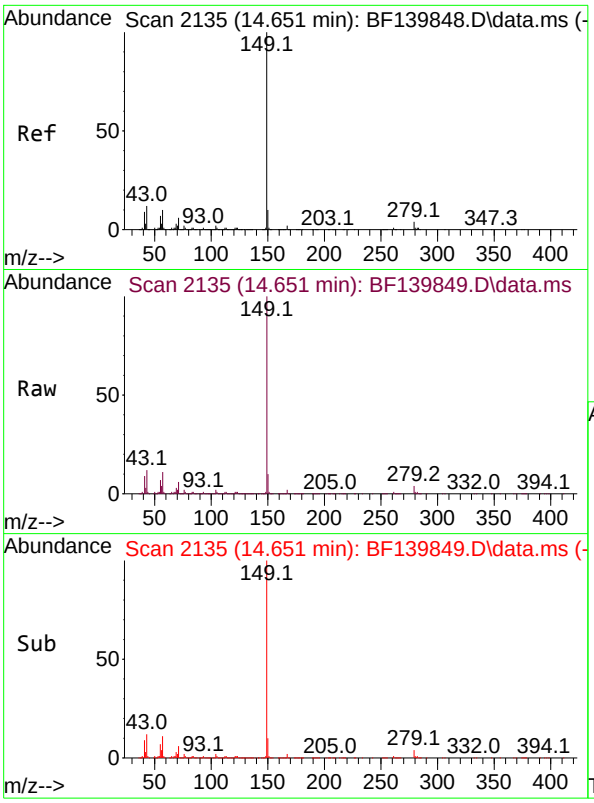


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.655 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:149 Resp: 541828

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.1	3.0	4.4

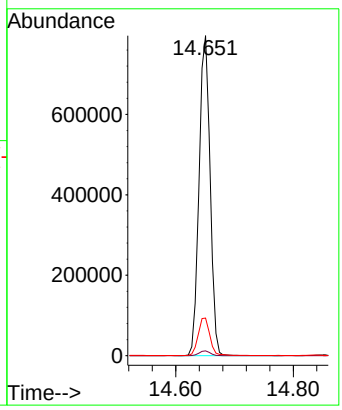




#85
Di-n-octyl phthalate
Concen: 55.195 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:149 Resp: 103305

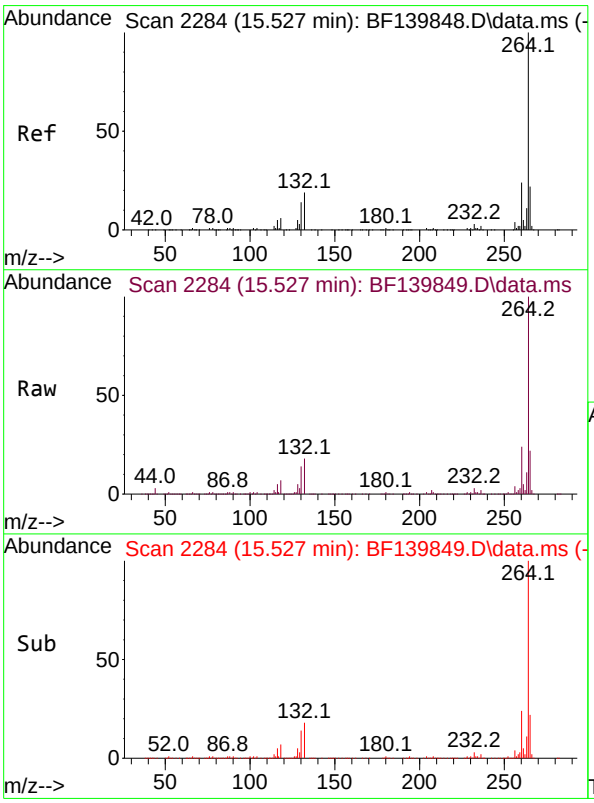
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

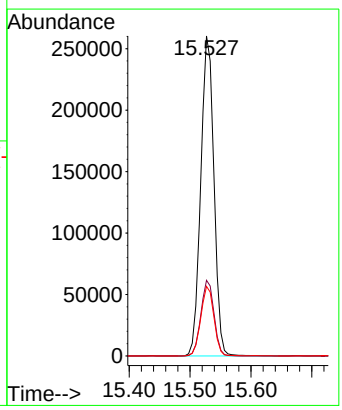
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

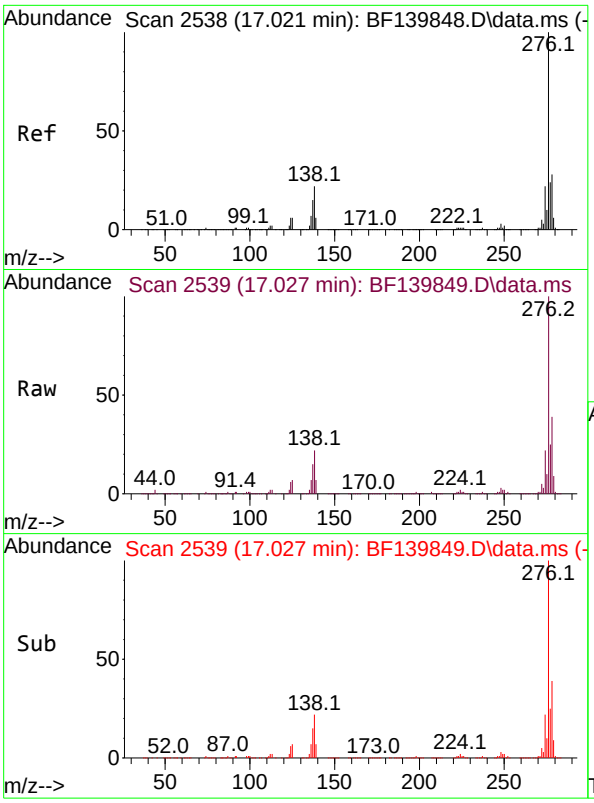


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:264 Resp: 390757

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.7	17.4	26.0

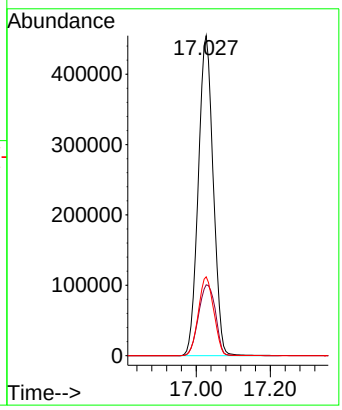




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.463 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:276 Resp: 126855

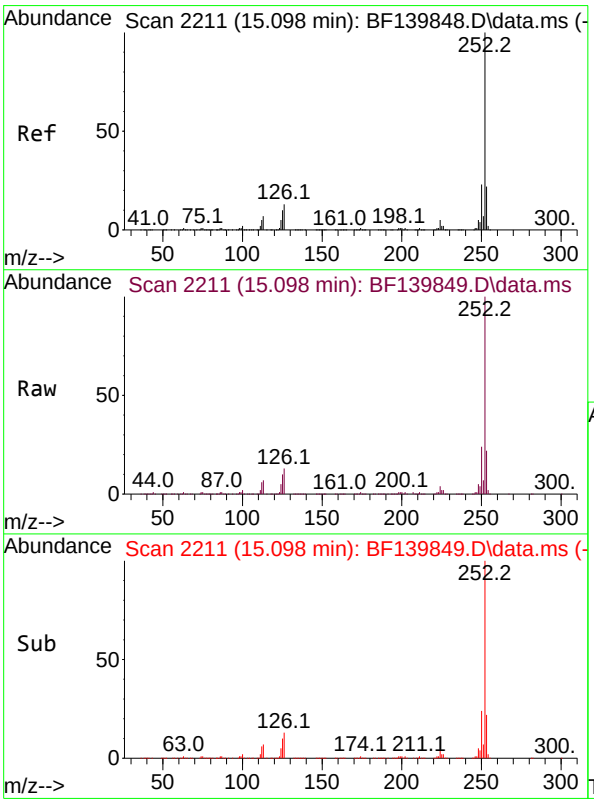
Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.4	30.6
277	25.4	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

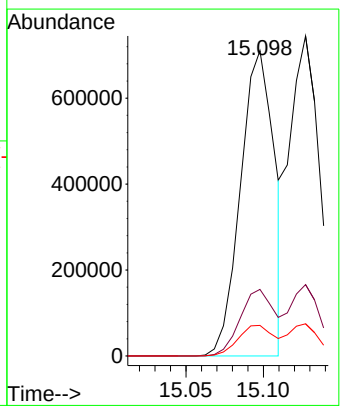
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

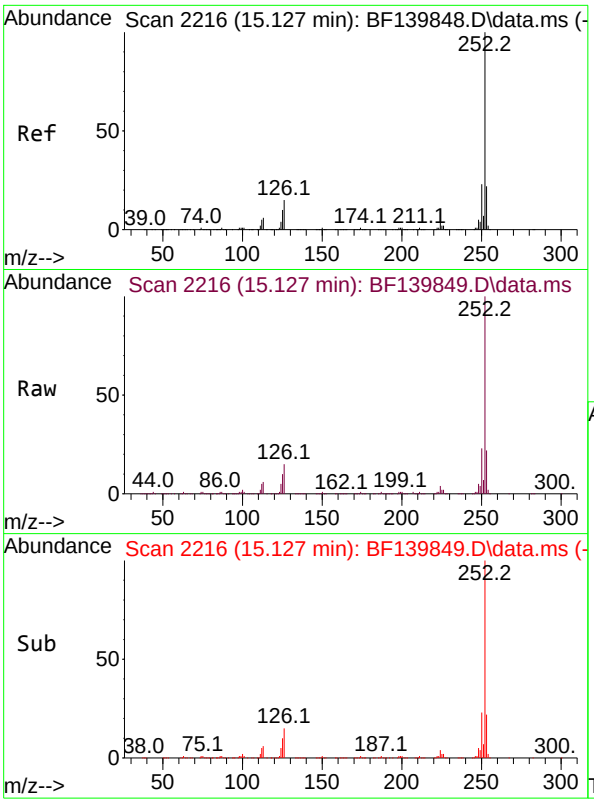


#88
Benzo(b)fluoranthene
Concen: 45.369 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:252 Resp: 1079928

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.0	7.9	11.9

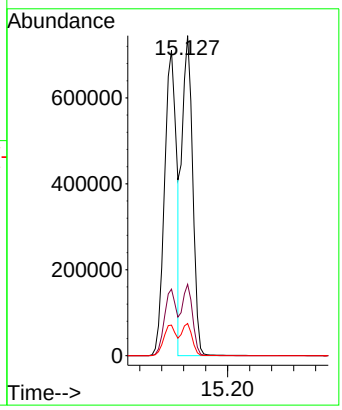




#89
Benzo(k)fluoranthene
Concen: 49.026 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:252 Resp: 100642

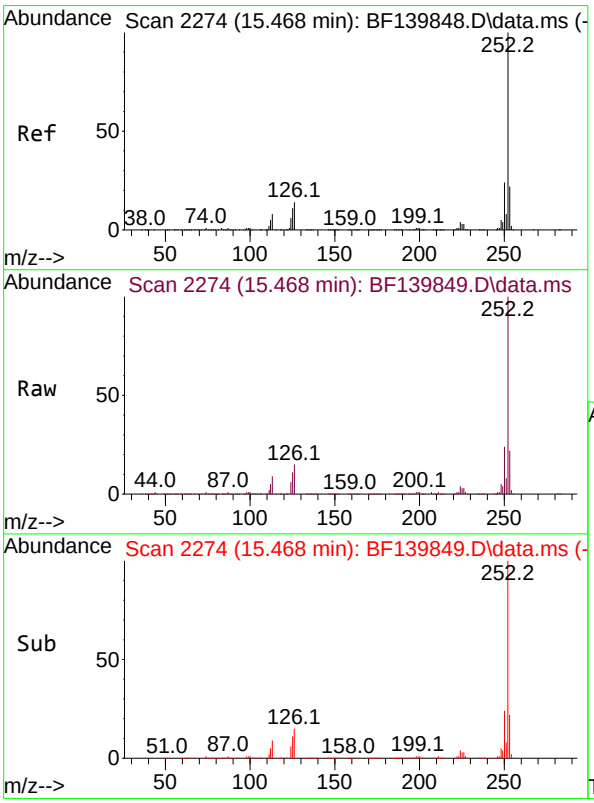
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.0	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

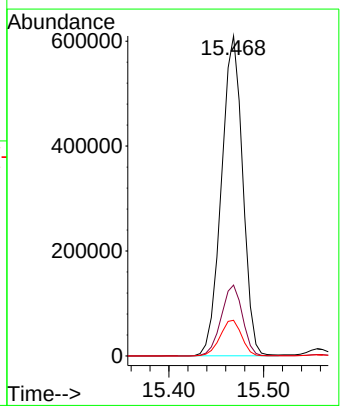
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

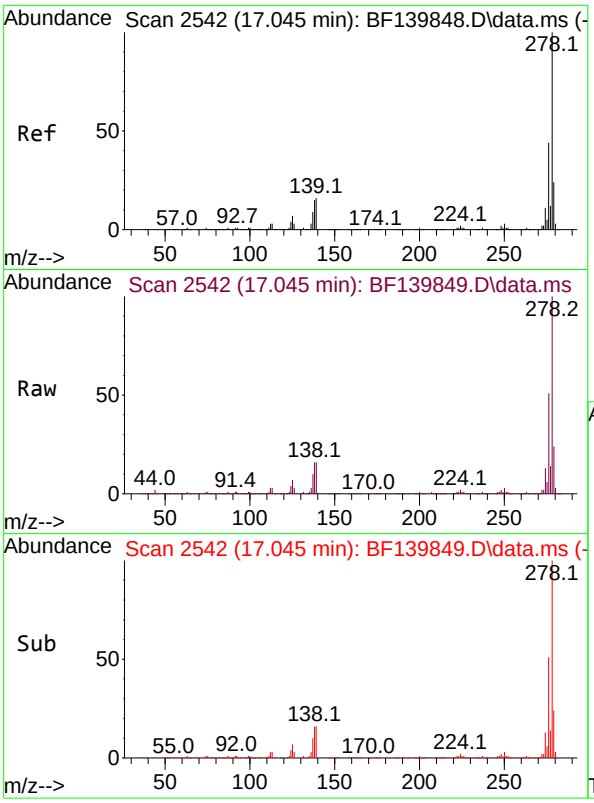


#90
Benzo(a)pyrene
Concen: 48.573 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:252 Resp: 951346

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	11.1	8.7	13.1

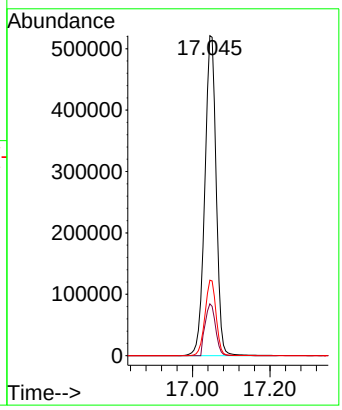




#91
Dibenzo(a,h)anthracene
Concen: 50.456 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:278 Resp: 105811

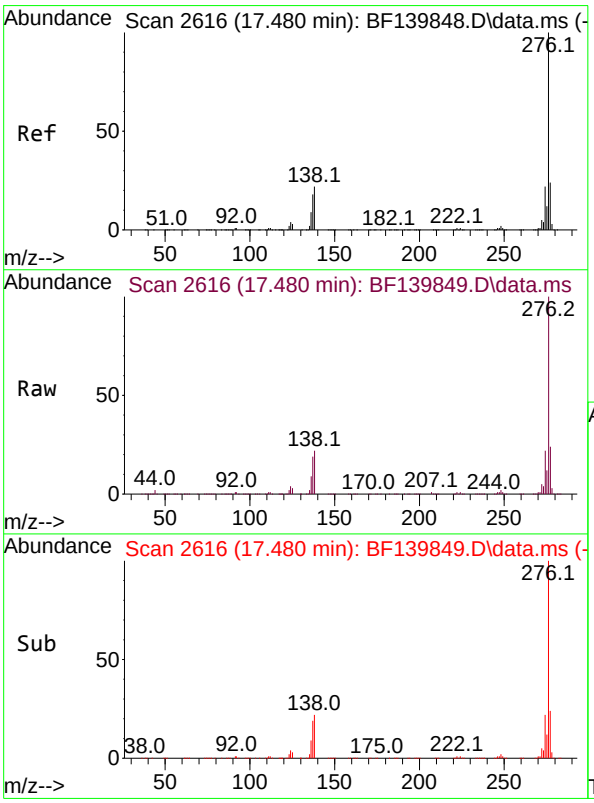
Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.1	19.7
279	23.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

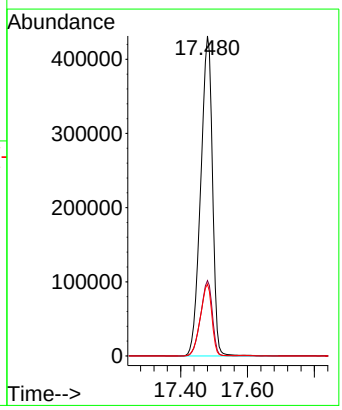
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 50.394 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139849.D
Acq: 18 Oct 2024 12:49

Tgt Ion:276 Resp: 1055618

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	22.4	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139850.D
Acq On : 18 Oct 2024 13:17
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 14:20:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	189346	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	712033	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	389299	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	667372	20.000	ng	0.00
76) Chrysene-d12	14.057	240	337032	20.000	ng	0.00
86) Perylene-d12	15.527	264	377203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1347774	111.432	ng	0.00
7) Phenol-d6	6.516	99	1748088	111.592	ng	0.00
23) Nitrobenzene-d5	7.457	82	1523975	118.624	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	420891	115.586	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2475821	105.106	ng	0.00
79) Terphenyl-d14	13.004	244	2266127	109.563	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	330127	58.541	ng	98
3) Pyridine	3.446	79	798529	57.127	ng	99
4) n-Nitrosodimethylamine	3.410	42	451209	60.081	ng	98
6) Aniline	6.551	93	840113	57.544	ng	100
8) 2-Chlorophenol	6.675	128	693549	56.091	ng	96
9) Benzaldehyde	6.440	77	484510	54.980	ng	99
10) Phenol	6.528	94	909456m	55.317	ng	
11) bis(2-Chloroethyl)ether	6.628	93	709494	56.838	ng	99
12) 1,3-Dichlorobenzene	6.834	146	790296	55.679	ng	98
13) 1,4-Dichlorobenzene	6.910	146	790397	55.738	ng	99
14) 1,2-Dichlorobenzene	7.063	146	719470	54.363	ng	99
15) Benzyl Alcohol	7.028	79	650971	56.651	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1201584	56.453	ng	99
17) 2-Methylphenol	7.134	107	603882	57.276	ng	99
18) Hexachloroethane	7.404	117	290250	57.398	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	526516	55.418	ng	99
20) 3+4-Methylphenols	7.293	107	738542	54.764	ng	93
22) Acetophenone	7.304	105	969975	55.618	ng	99
24) Nitrobenzene	7.475	77	828015	58.785	ng	98
25) Isophorone	7.716	82	1409786	57.816	ng	100
26) 2-Nitrophenol	7.787	139	344300	64.793	ng	100
27) 2,4-Dimethylphenol	7.822	122	500332	56.468	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	832755	56.369	ng	99
29) 2,4-Dichlorophenol	8.028	162	584871	57.952	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	635946	56.947	ng	99
31) Naphthalene	8.198	128	2016330	54.907	ng	99
32) Benzoic acid	7.945	122	502169	64.980	ng	98
33) 4-Chloroaniline	8.245	127	695566	55.548	ng	99
34) Hexachlorobutadiene	8.316	225	399483	56.934	ng	99
35) Caprolactam	8.622	113	188948	58.880	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	646732	57.872	ng	100
37) 2-Methylnaphthalene	8.887	142	1245977	55.401	ng	99
38) 1-Methylnaphthalene	8.987	142	1211981	54.926	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	591461	56.315	ng	100
41) Hexachlorocyclopentadiene	9.039	237	216567	59.262	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	447702	60.209	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139850.D
Acq On : 18 Oct 2024 13:17
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:20:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	431080	56.191	ng		99
46) 1,1'-Biphenyl	9.351	154	1474193	54.396	ng		99
47) 2-Chloronaphthalene	9.375	162	1214856	55.657	ng		98
48) 2-Nitroaniline	9.469	65	423080	63.375	ng		97
49) Acenaphthylene	9.792	152	1758248	55.718	ng		99
50) Dimethylphthalate	9.657	163	1358812	56.037	ng		100
51) 2,6-Dinitrotoluene	9.710	165	320076	60.963	ng		97
52) Acenaphthene	9.969	154	1148095	56.242	ng		98
53) 3-Nitroaniline	9.881	138	328790	60.726	ng		98
54) 2,4-Dinitrophenol	9.981	184	131611	61.938	ng	#	29
55) Dibenzofuran	10.139	168	1605572	54.819	ng		100
56) 4-Nitrophenol	10.028	139	256728	61.631	ng		100
57) 2,4-Dinitrotoluene	10.116	165	410361	63.558	ng		99
58) Fluorene	10.481	166	1192018	53.435	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	342475	56.946	ng		99
60) Diethylphthalate	10.351	149	1355992	56.954	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	606730	53.858	ng		98
62) 4-Nitroaniline	10.498	138	314525	61.507	ng		98
63) Azobenzene	10.633	77	1415762	56.090	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	184974	67.951	ng		99
66) n-Nitrosodiphenylamine	10.592	169	1122831	56.214	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	392570	57.100	ng		98
68) Hexachlorobenzene	11.028	284	442187	57.187	ng		98
69) Atrazine	11.116	200	307149	56.767	ng		99
70) Pentachlorophenol	11.216	266	289014	61.587	ng		99
71) Phenanthrene	11.439	178	1721763	54.618	ng		99
72) Anthracene	11.492	178	1667221	54.206	ng		99
73) Carbazole	11.645	167	1545085	54.015	ng		99
74) Di-n-butylphthalate	11.975	149	1819929	55.069	ng		100
75) Fluoranthene	12.627	202	1671405	52.448	ng		99
77) Benzidine	12.745	184	205548	37.499	ng		99
78) Pyrene	12.857	202	1667489	56.522	ng		99
80) Butylbenzylphthalate	13.474	149	537039	60.719	ng		98
81) Benzo(a)anthracene	14.045	228	1250382	56.992	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	386072	60.353	ng		99
83) Chrysene	14.080	228	1163808	57.855	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	632594	63.749	ng		100
85) Di-n-octyl phthalate	14.651	149	1220737	67.634	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1500084	61.817	ng		99
88) Benzo(b)fluoranthene	15.098	252	1402395	61.033	ng		100
89) Benzo(k)fluoranthene	15.127	252	1051303	53.053	ng		100
90) Benzo(a)pyrene	15.468	252	1129942	59.764	ng		100
91) Dibenzo(a,h)anthracene	17.051	278	1228124	60.667	ng		99
92) Benzo(g,h,i)perylene	17.486	276	1238955	61.272	ng		100

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

ICAL Form

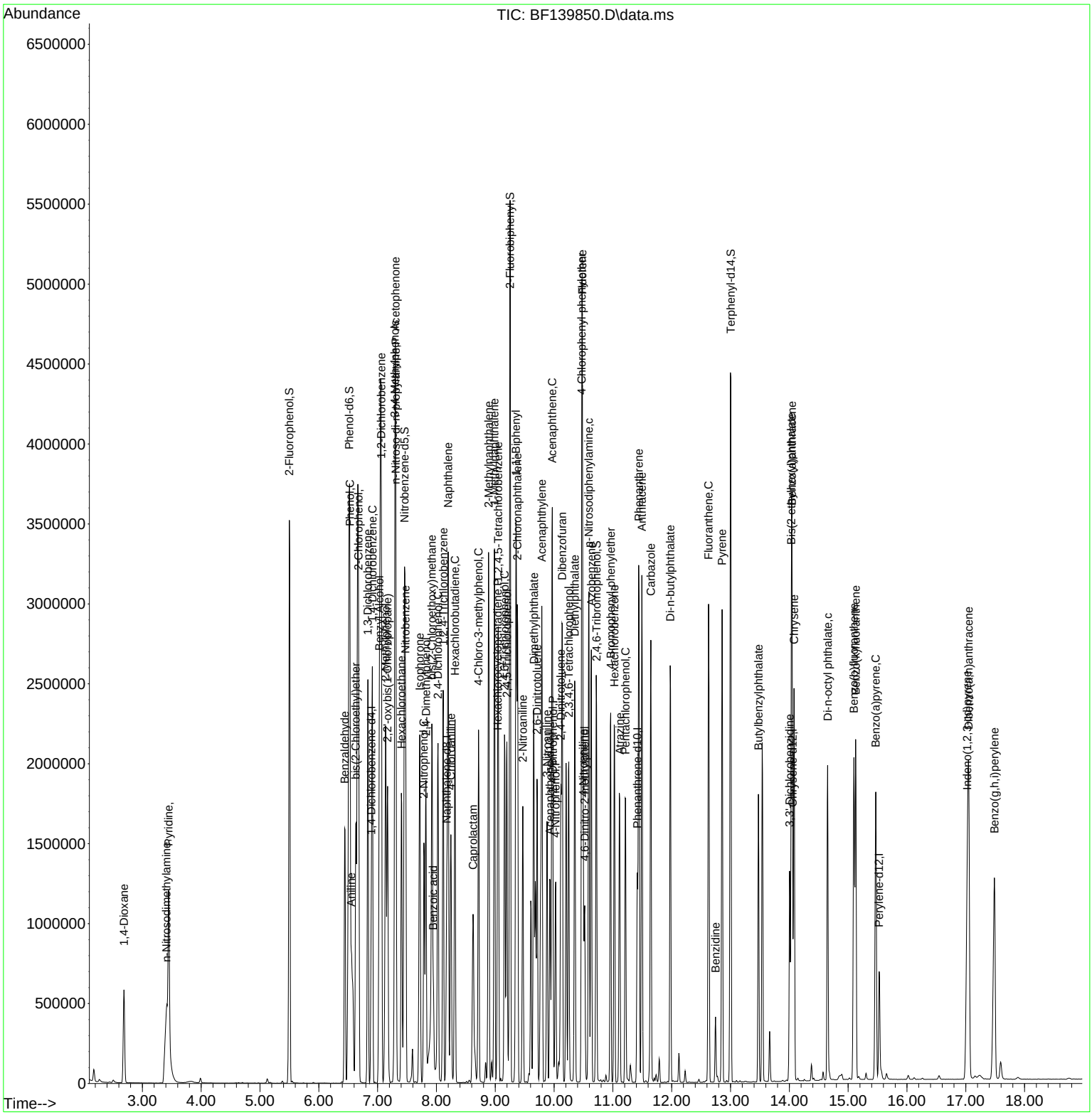
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139850.D
Acq On : 18 Oct 2024 13:17
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

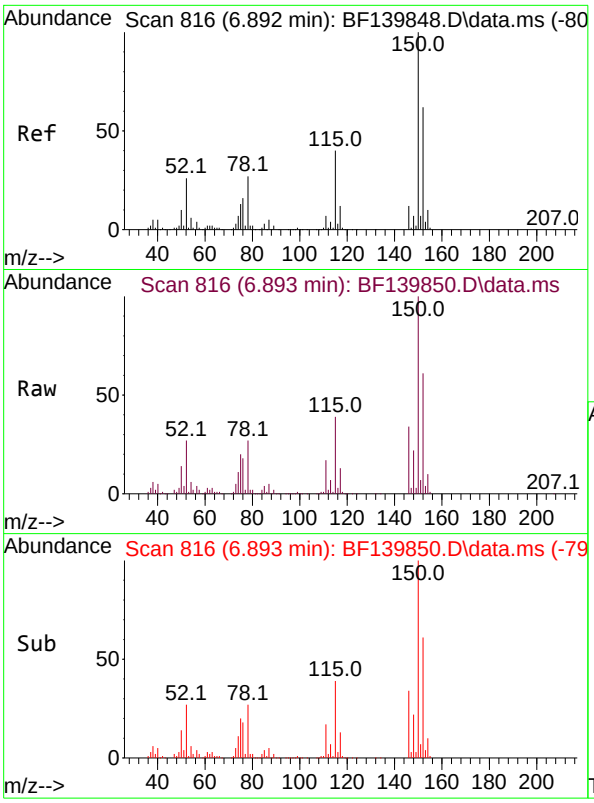
Quant Time: Oct 18 14:20:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

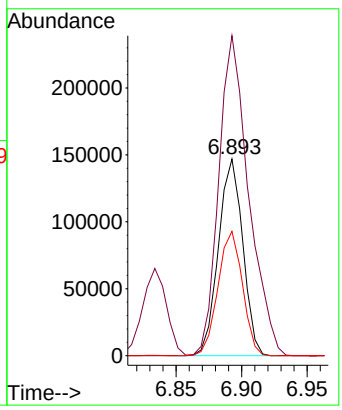




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:152 Resp: 18934

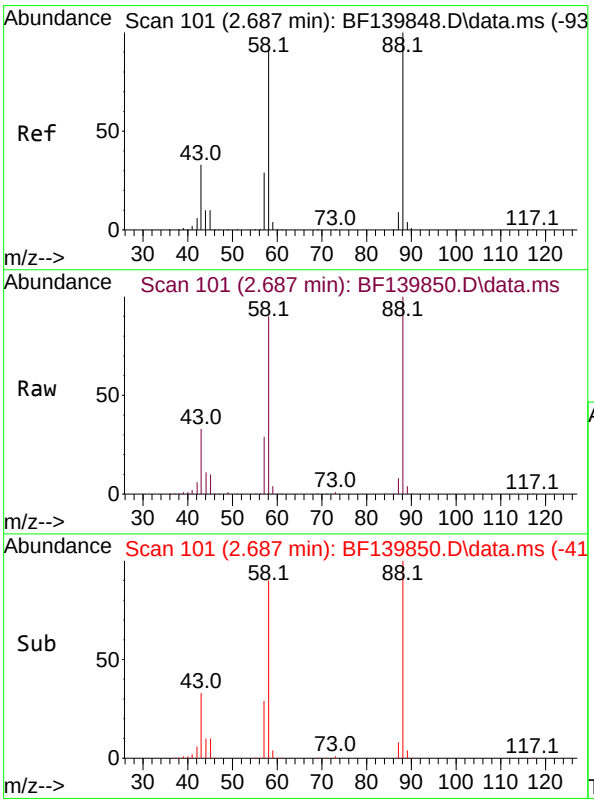
Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	63.2	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

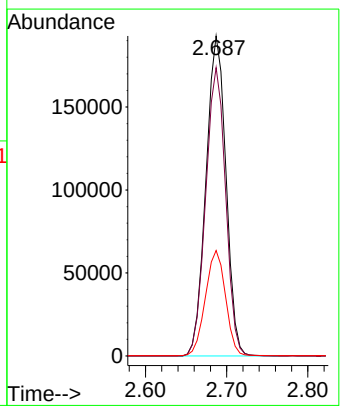
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

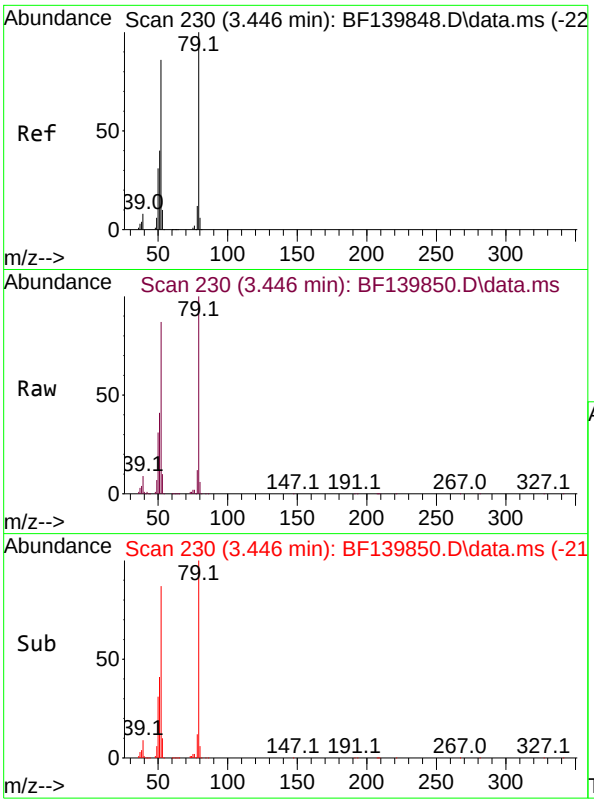


#2
1,4-Dioxane
Concen: 58.541 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 88 Resp: 330127

Ion	Ratio	Lower	Upper
88	100		
58	89.7	73.3	109.9
43	33.0	27.1	40.7

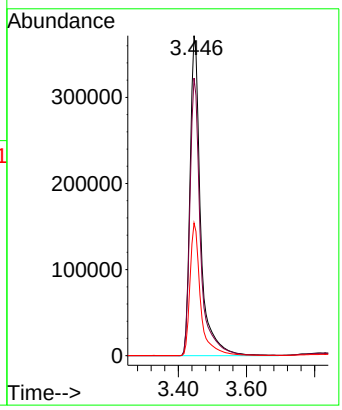




#3
Pyridine
Concen: 57.127 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 79 Resp: 79852

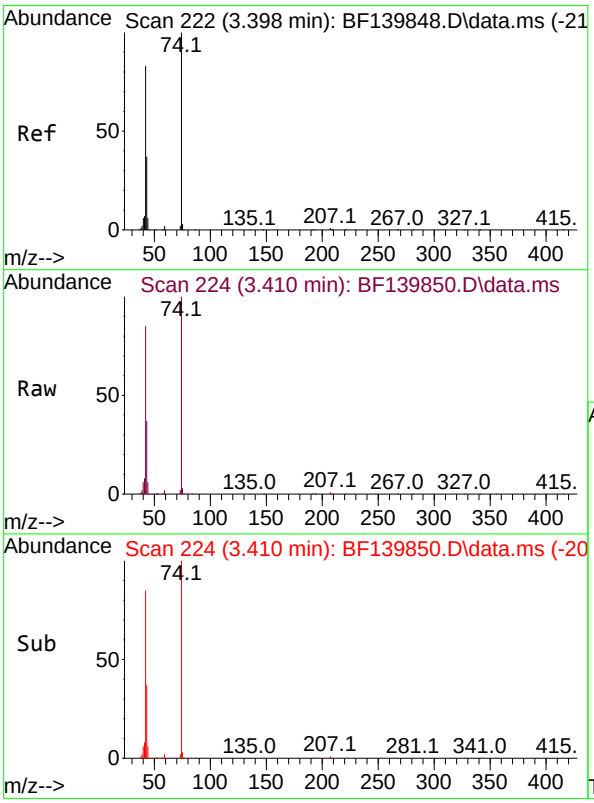
Ion	Ratio	Lower	Upper
79	100		
52	86.8	68.5	102.7
51	41.4	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

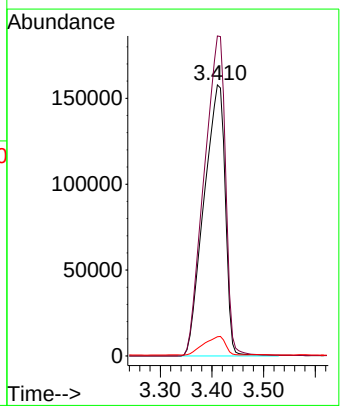
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

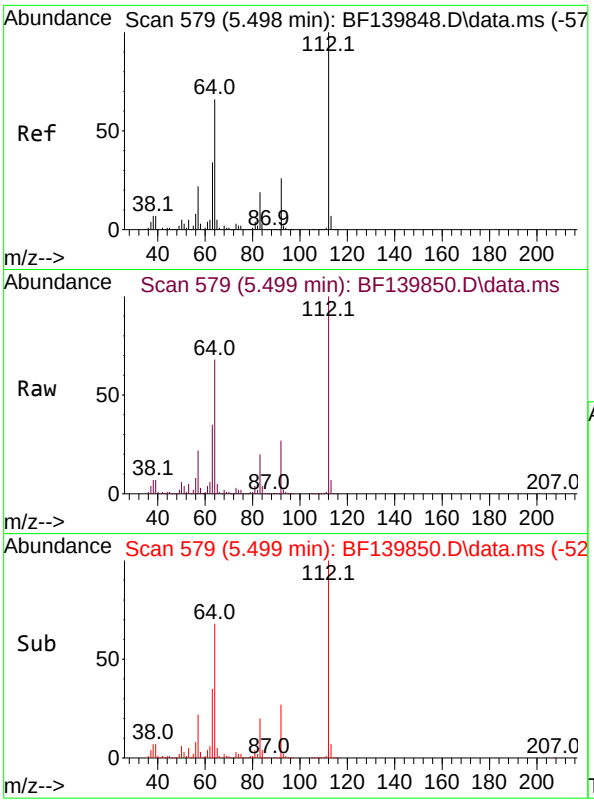


#4
n-Nitrosodimethylamine
Concen: 60.081 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 42 Resp: 451209

Ion	Ratio	Lower	Upper
42	100		
74	118.0	96.2	144.4
44	7.1	6.2	9.2

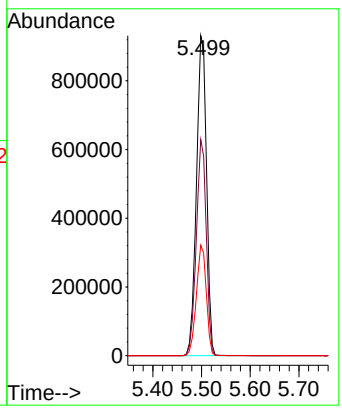




#5
2-Fluorophenol
Concen: 111.432 ng
RT: 5.499 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:112 Resp: 134777

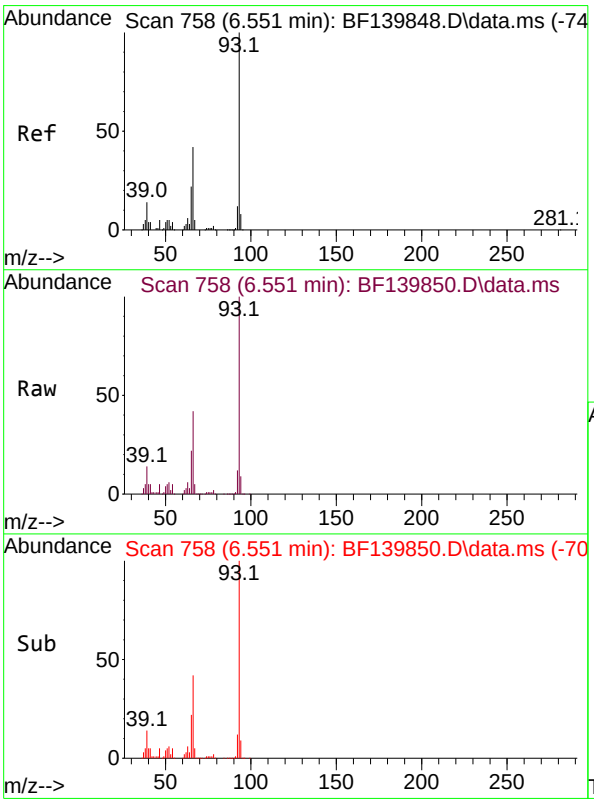
Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.0	79.6
63	34.5	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

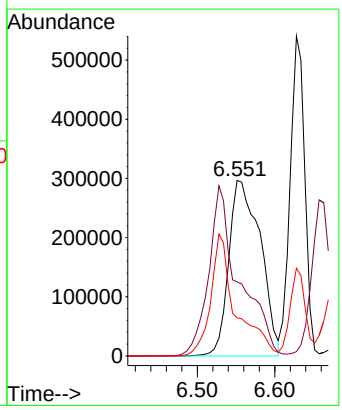
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

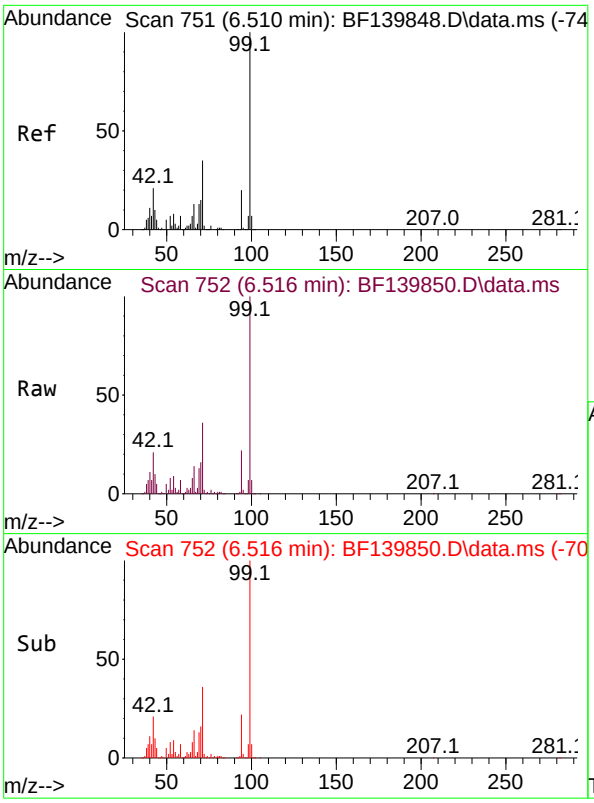


#6
Aniline
Concen: 57.544 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 93 Resp: 840113

Ion	Ratio	Lower	Upper
93	100		
66	42.2	34.0	51.0
65	21.7	17.4	26.0

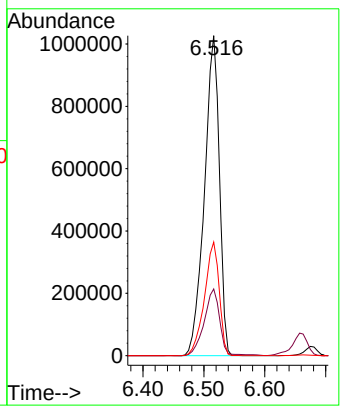




#7
Phenol-d6
Concen: 111.592 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 99 Resp: 174808

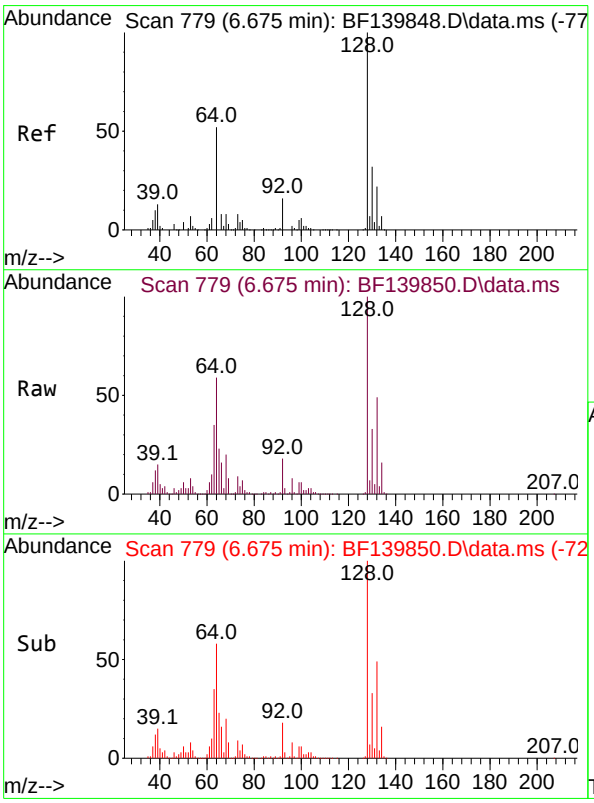
Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.7	25.1
71	35.5	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

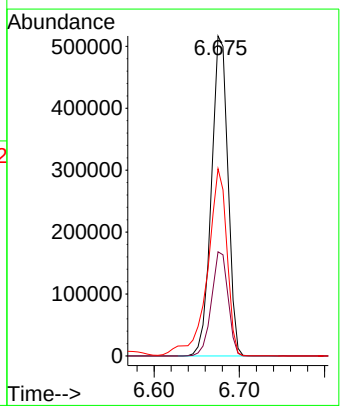
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

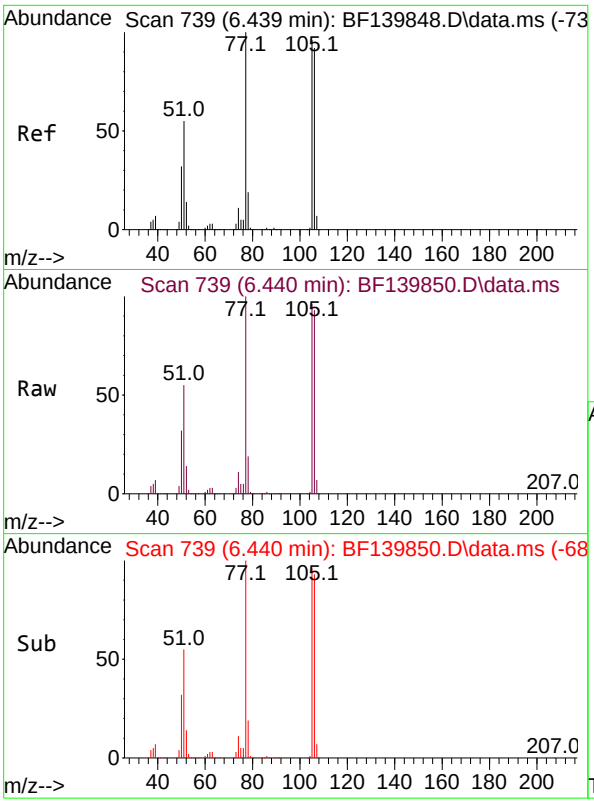


#8
2-Chlorophenol
Concen: 56.091 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:128 Resp: 693549

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	58.5	34.6	74.6

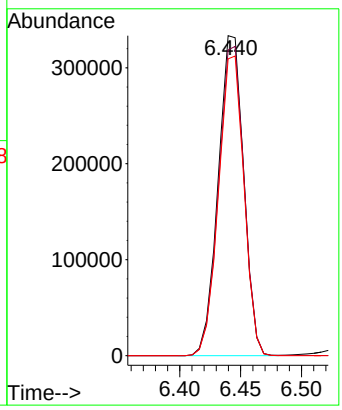




#9
Benzaldehyde
Concen: 54.980 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 77 Resp: 48451

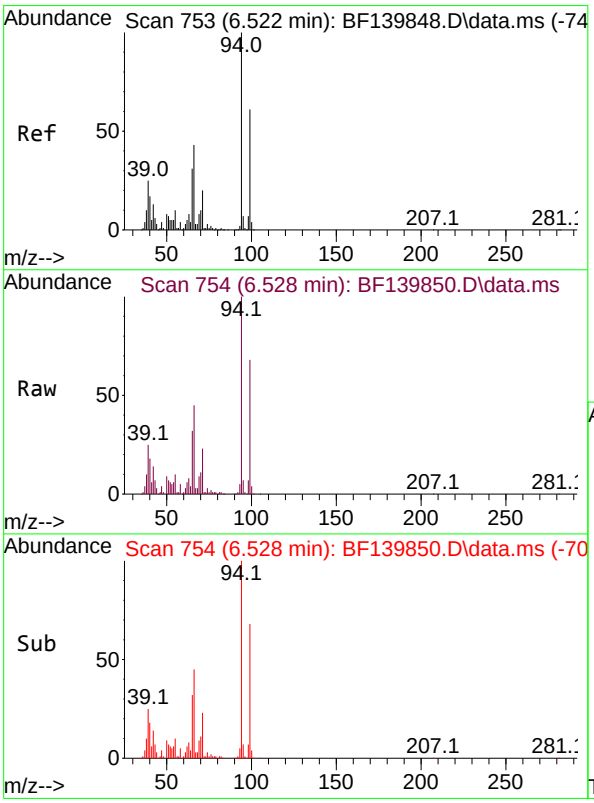
Ion	Ratio	Lower	Upper
77	100		
105	95.6	75.5	115.5
106	92.7	71.7	111.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

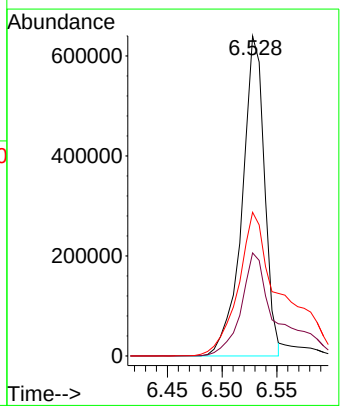
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

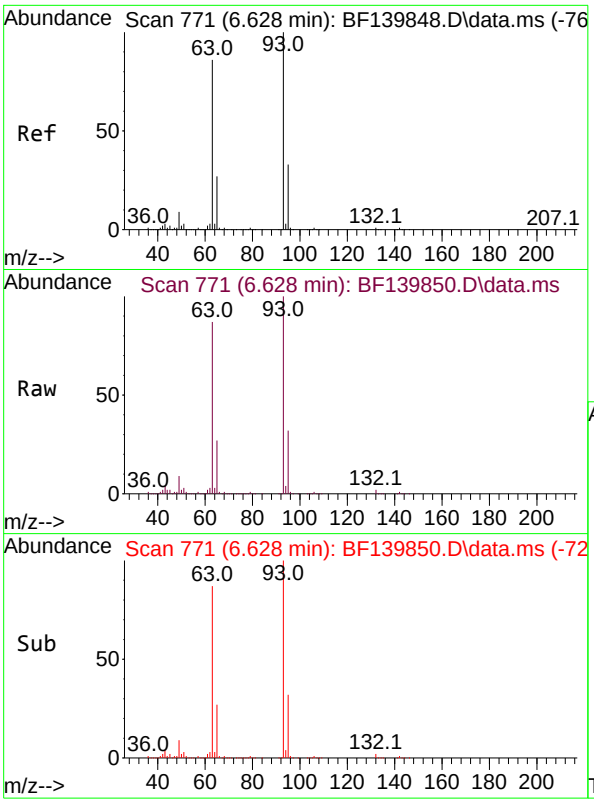


#10
Phenol
Concen: 55.317 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 94 Resp: 909456

Ion	Ratio	Lower	Upper
94	100		
65	32.2	11.1	51.1
66	44.9	22.7	62.7

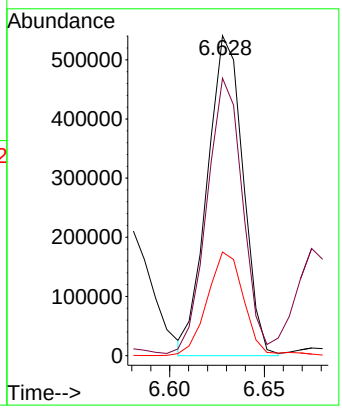




#11
bis(2-Chloroethyl)ether
Concen: 56.838 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 93 Resp: 70949

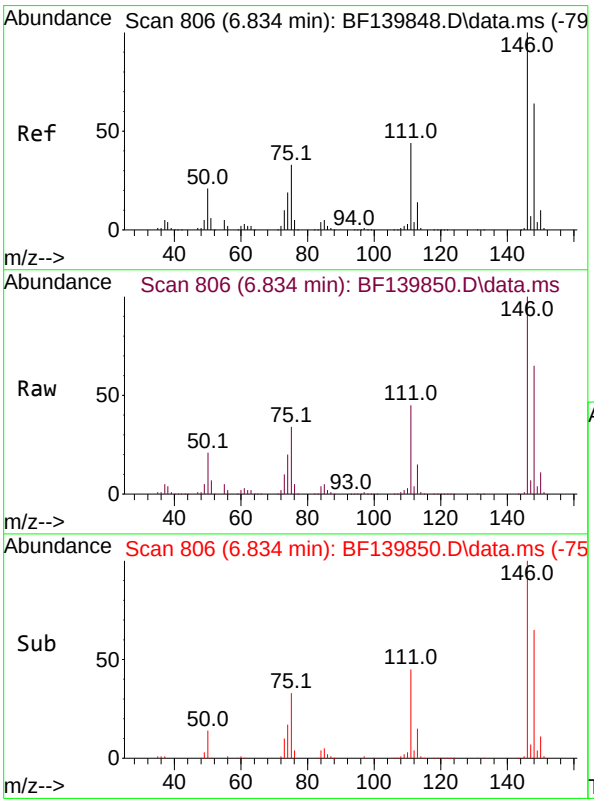
Ion	Ratio	Lower	Upper
93	100		
63	86.7	65.0	105.0
95	32.4	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

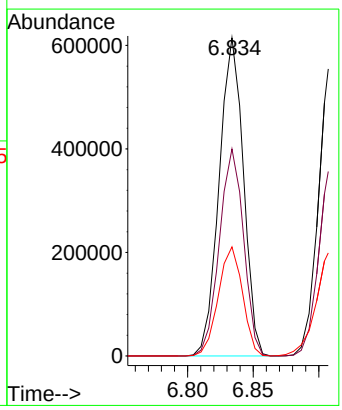
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

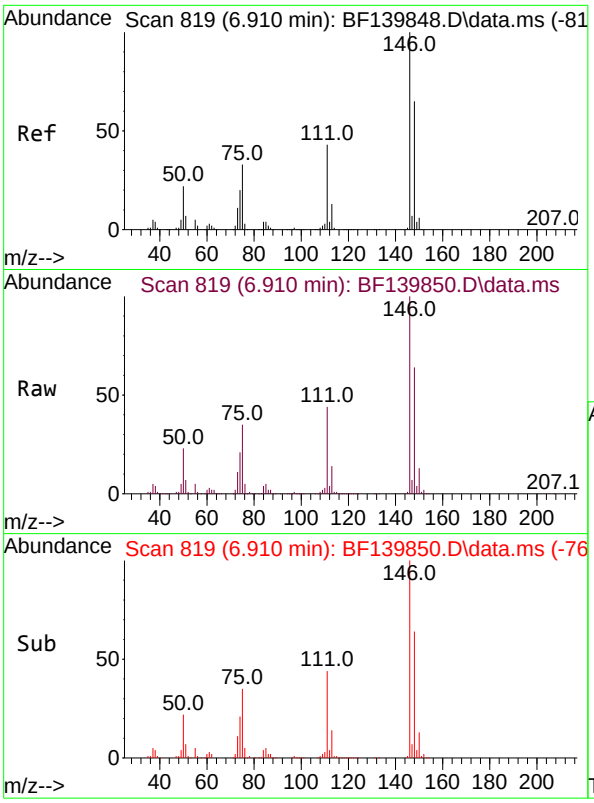


#12
1,3-Dichlorobenzene
Concen: 55.679 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:146 Resp: 790296

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.4
75	34.3	26.4	39.6

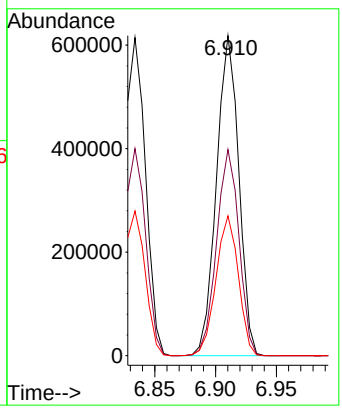




#13
1,4-Dichlorobenzene
Concen: 55.738 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:146 Resp: 79039

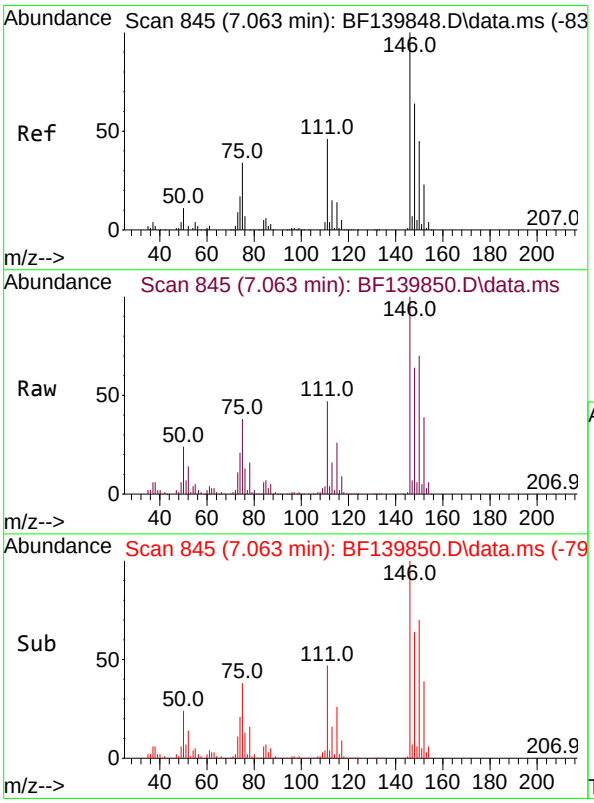
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
111	43.7	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

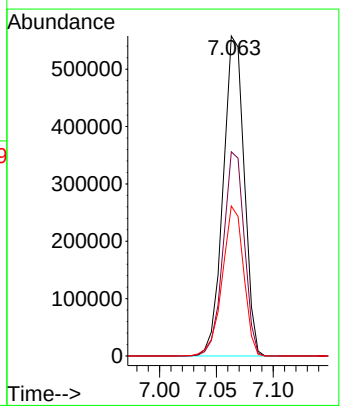
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

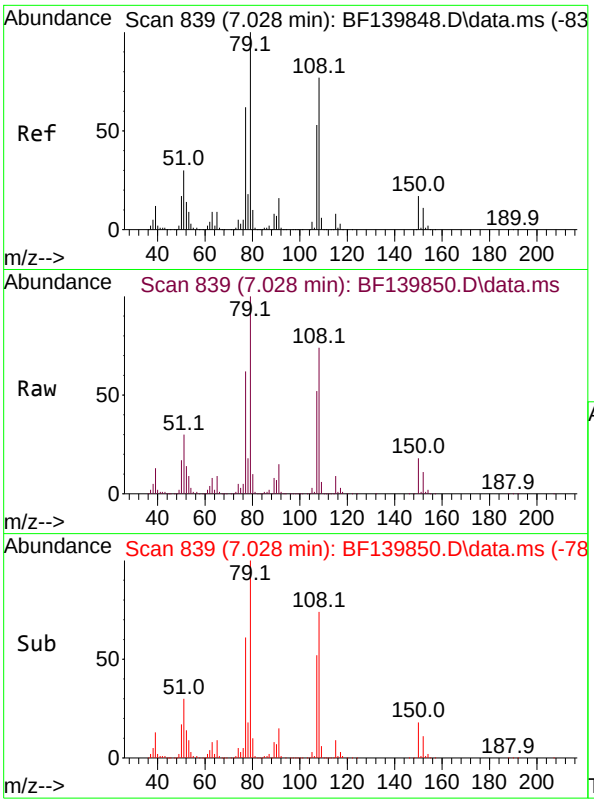


#14
1,2-Dichlorobenzene
Concen: 54.363 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:146 Resp: 719470

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	46.8	36.7	55.1

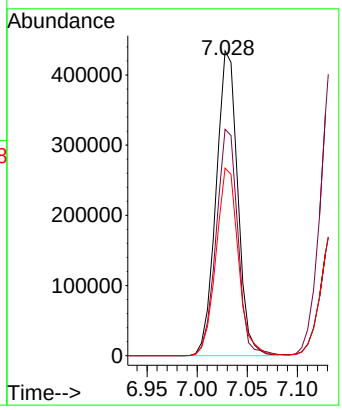




#15
Benzyl Alcohol
Concen: 56.651 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 79 Resp: 65097

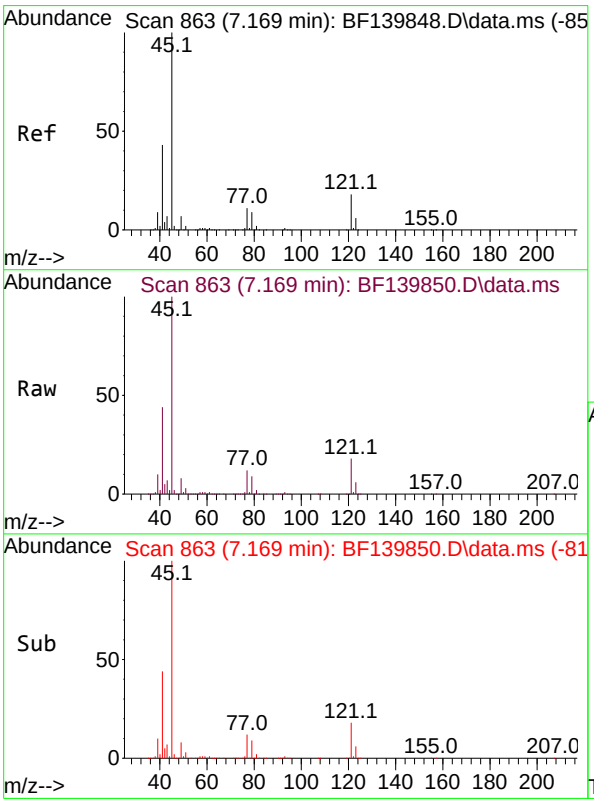
Ion	Ratio	Lower	Upper
79	100		
108	74.3	61.4	92.0
77	61.5	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

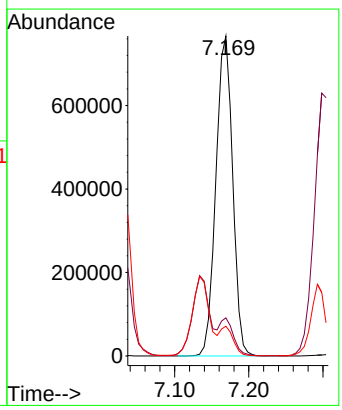
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

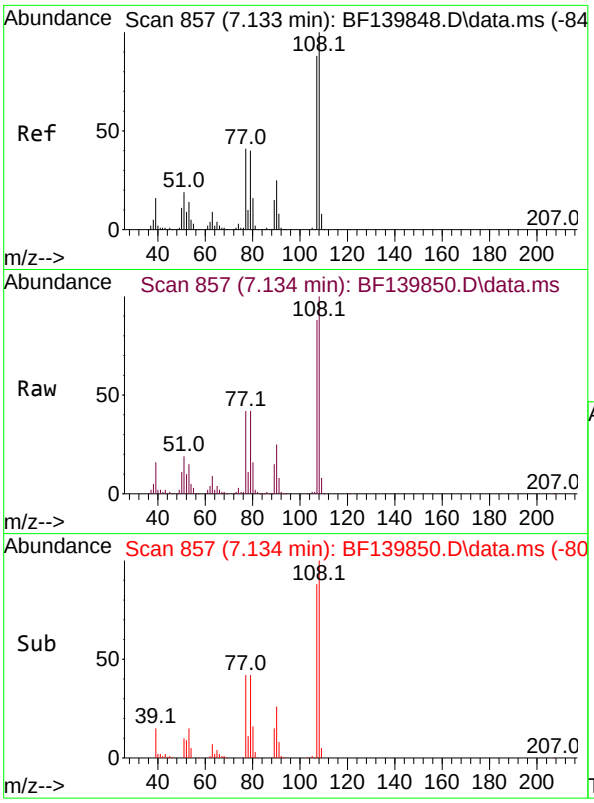


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.453 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 45 Resp: 1201584

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.5
79	9.3	0.0	29.1

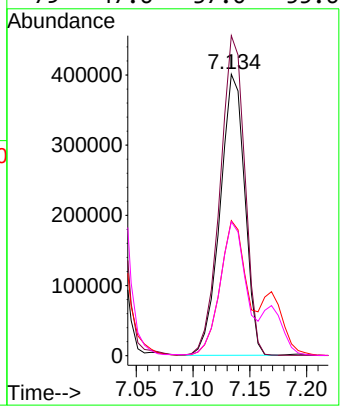




#17
2-Methylphenol
Concen: 57.276 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 60388

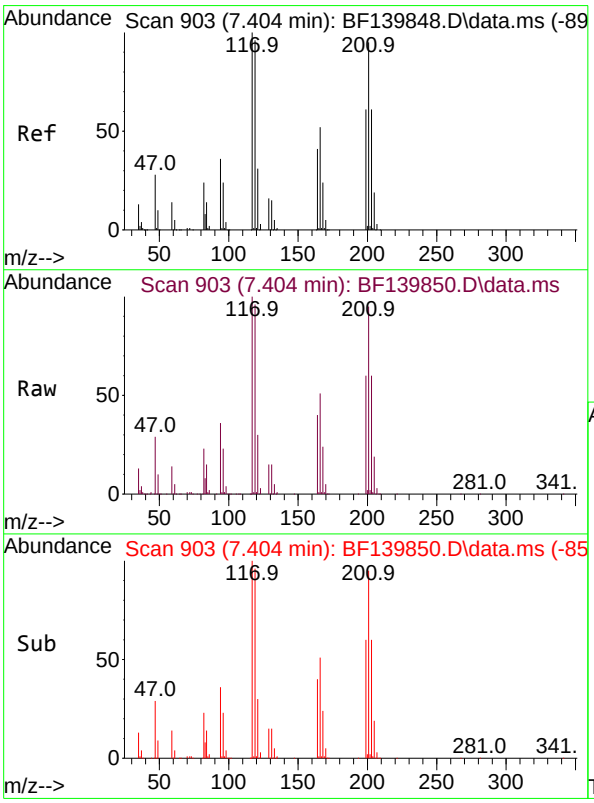
Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.3	136.9
77	48.0	37.1	55.7
79	47.6	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

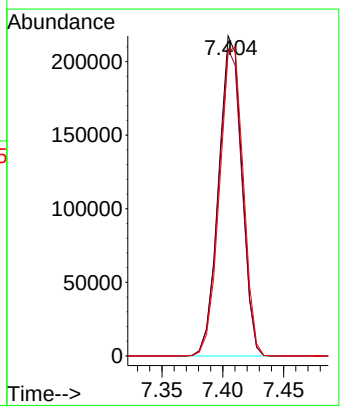
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

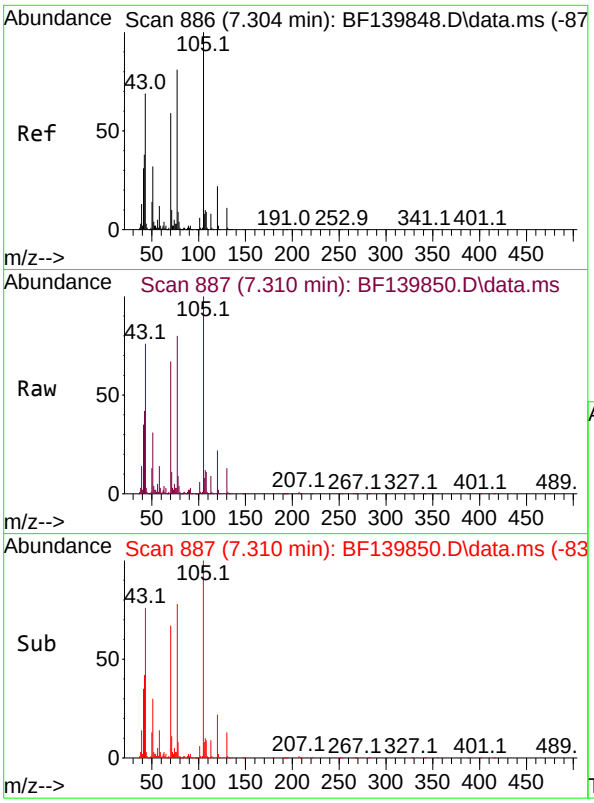


#18
Hexachloroethane
Concen: 57.398 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:117 Resp: 290250

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.0	115.4
201	94.9	76.2	114.4

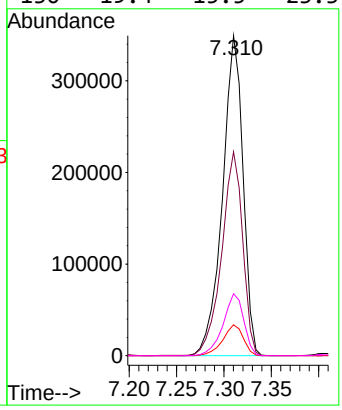




#19
n-Nitroso-di-n-propylamine
Concen: 55.418 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 70 Resp: 52651

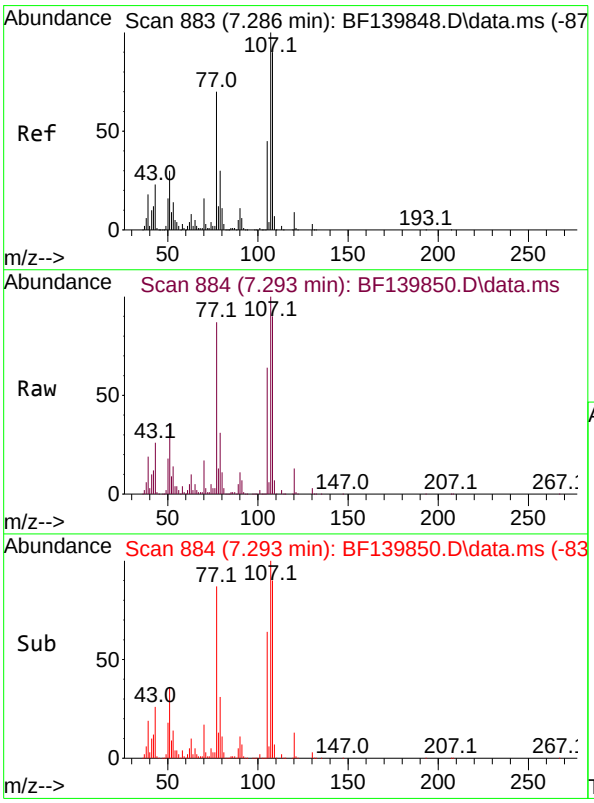
Ion	Ratio	Lower	Upper
70	100		
42	63.7	51.5	77.3
101	9.7	7.5	11.3
130	19.4	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

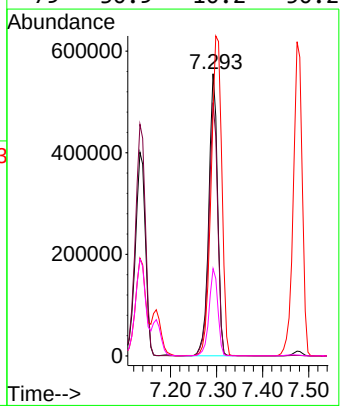
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

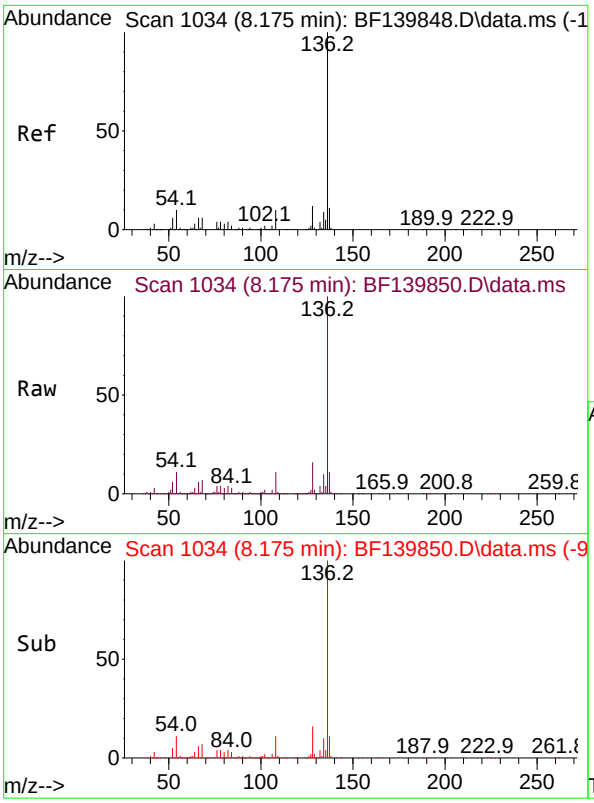


#20
3+4-Methylphenols
Concen: 54.764 ng
RT: 7.293 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 738542

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	86.6	50.5	90.5
79	30.9	10.2	50.2

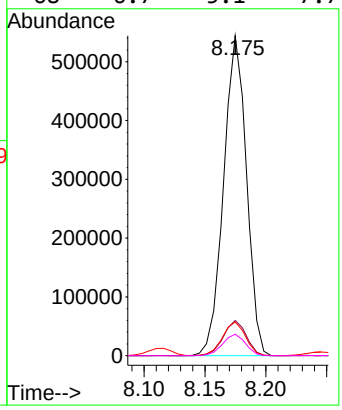




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:136 Resp: 71203

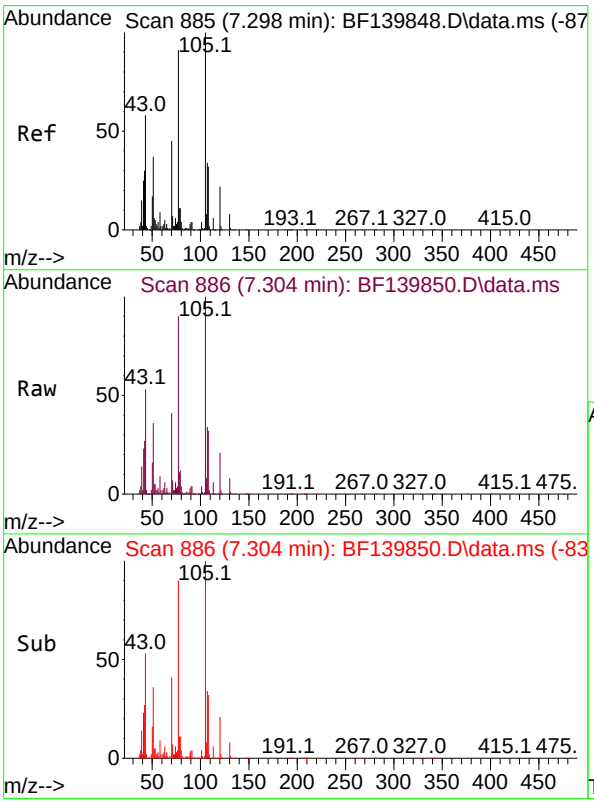
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.6	8.4	12.6
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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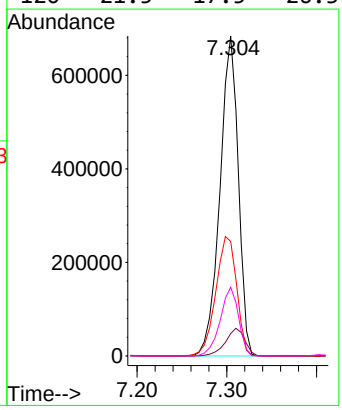
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

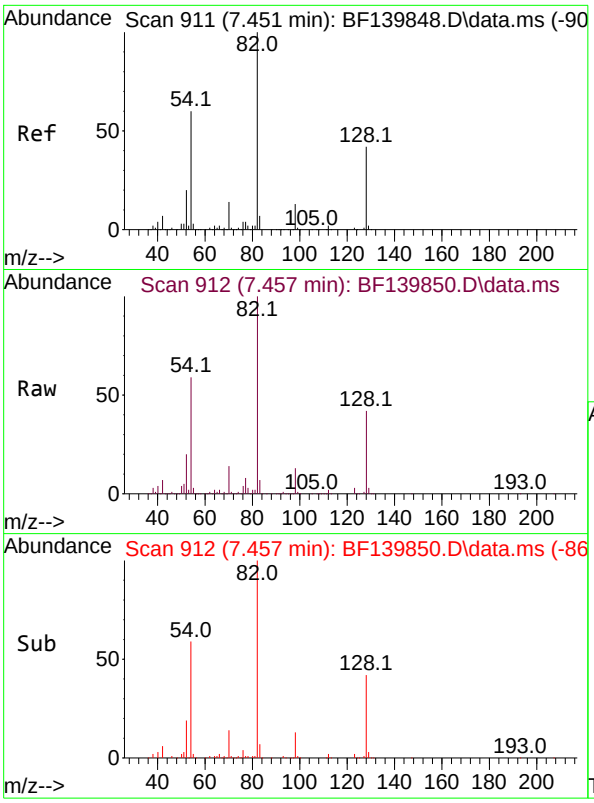


#22
Acetophenone
Concen: 55.618 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:105 Resp: 969975

Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.9	8.9
51	35.8	29.4	44.2
120	21.5	17.5	26.3





#23
Nitrobenzene-d5
Concen: 118.624 ng
RT: 7.457 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

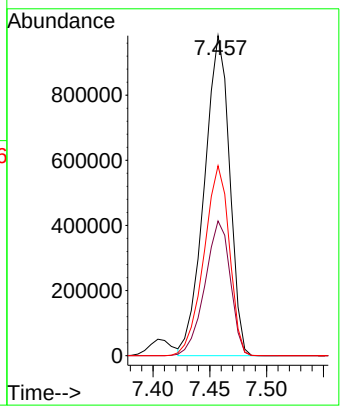
Tgt Ion: 82 Resp: 152397

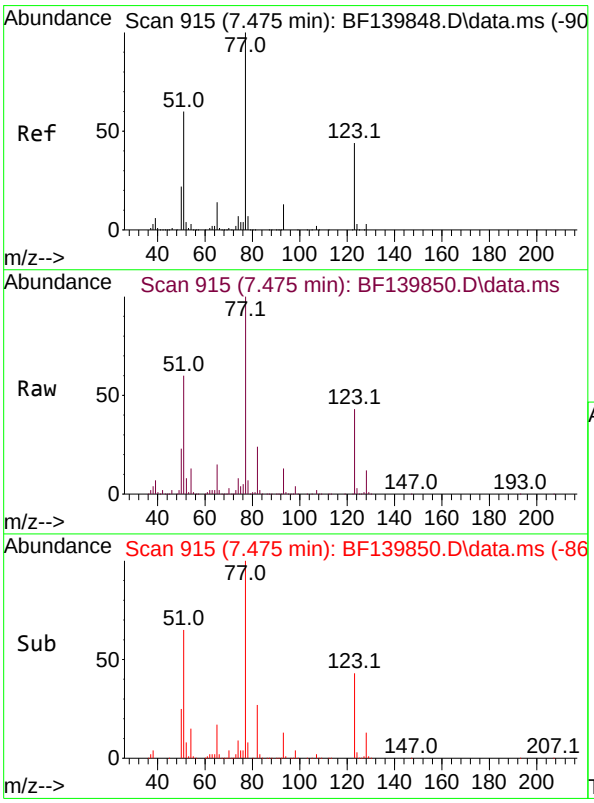
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.4	50.0
54	59.3	47.8	71.8

Instrument :
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ClientSampleId :
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

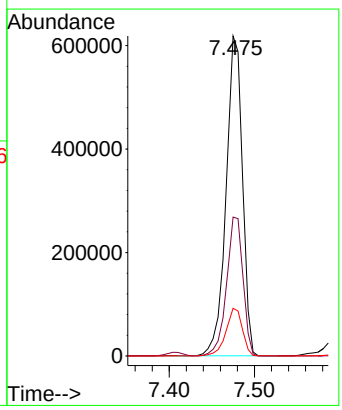


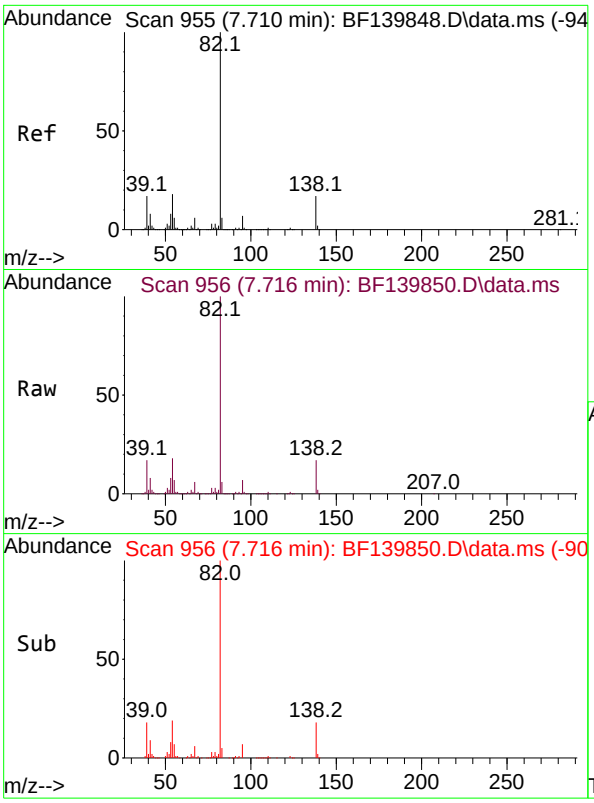


#24
Nitrobenzene
Concen: 58.785 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 77 Resp: 828015

Ion	Ratio	Lower	Upper
77	100		
123	43.4	35.7	53.5
65	14.9	11.5	17.3

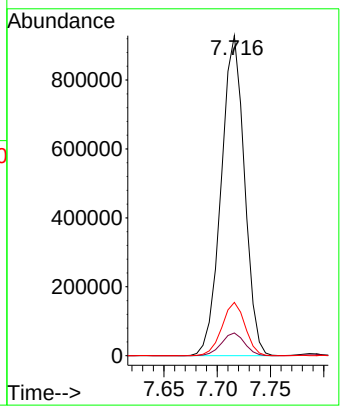




#25
Isophorone
Concen: 57.816 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 82 Resp: 140978

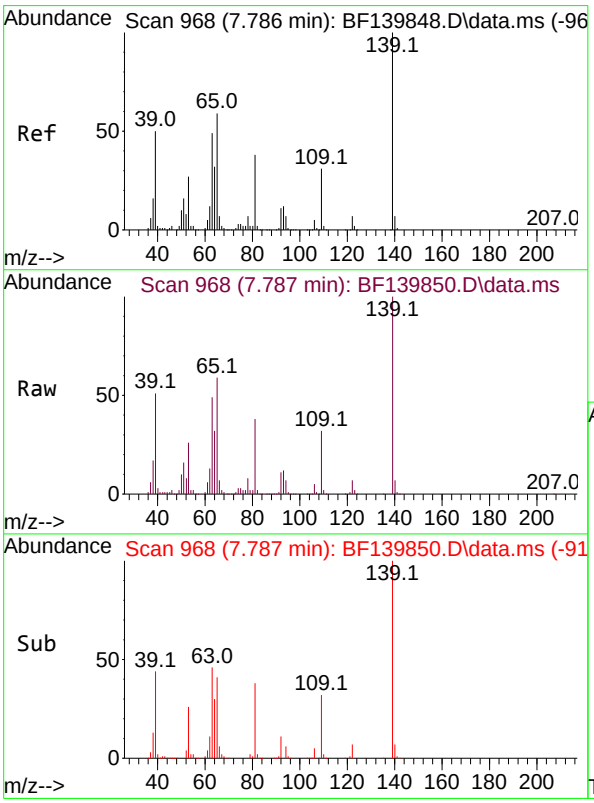
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	16.7	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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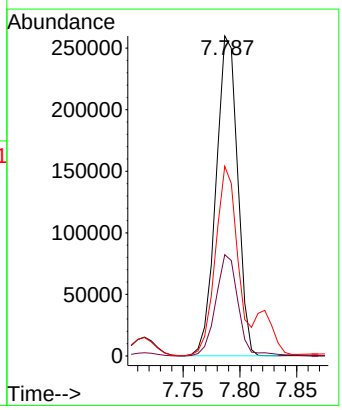
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

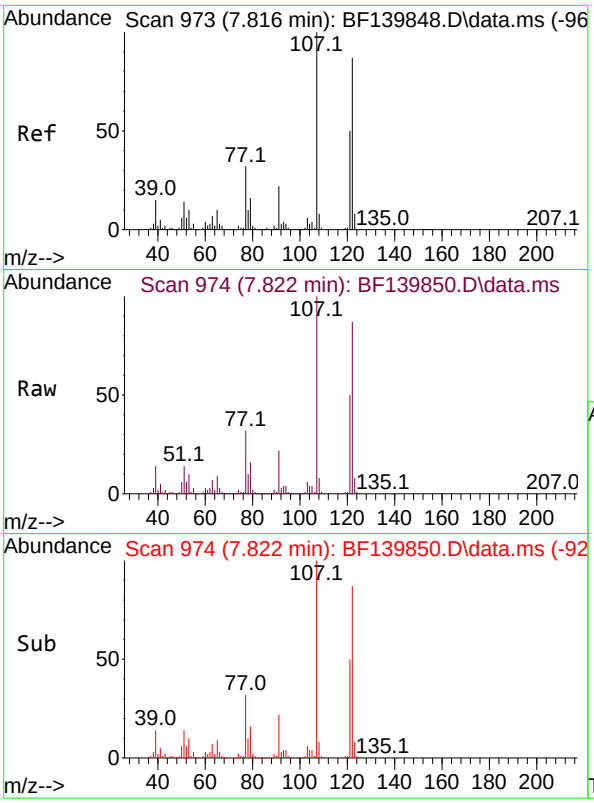


#26
2-Nitrophenol
Concen: 64.793 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:139 Resp: 344300

Ion	Ratio	Lower	Upper
139	100		
109	31.6	25.1	37.7
65	59.3	47.5	71.3

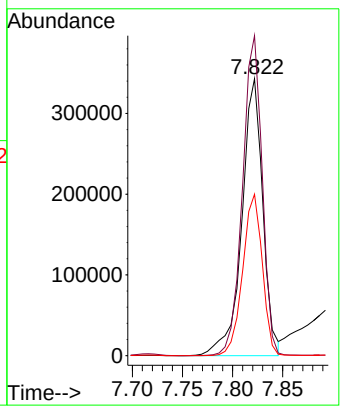




#27
2,4-Dimethylphenol
Concen: 56.468 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:122 Resp: 50033

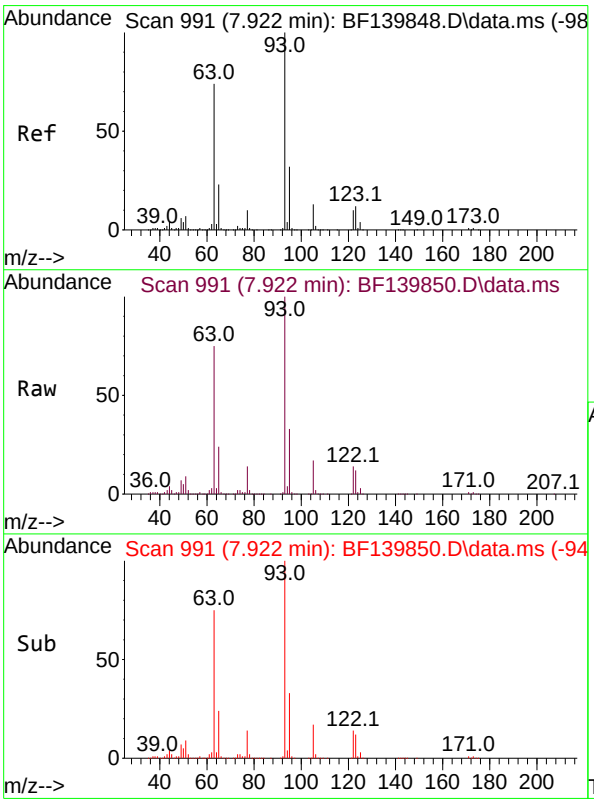
Ion	Ratio	Lower	Upper
122	100		
107	115.6	91.9	137.9
121	58.3	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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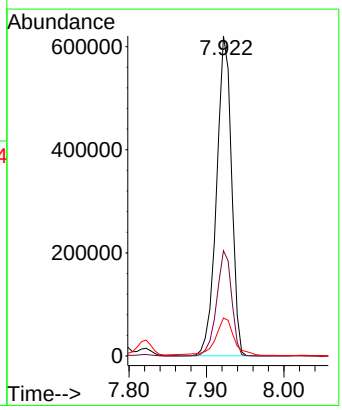
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

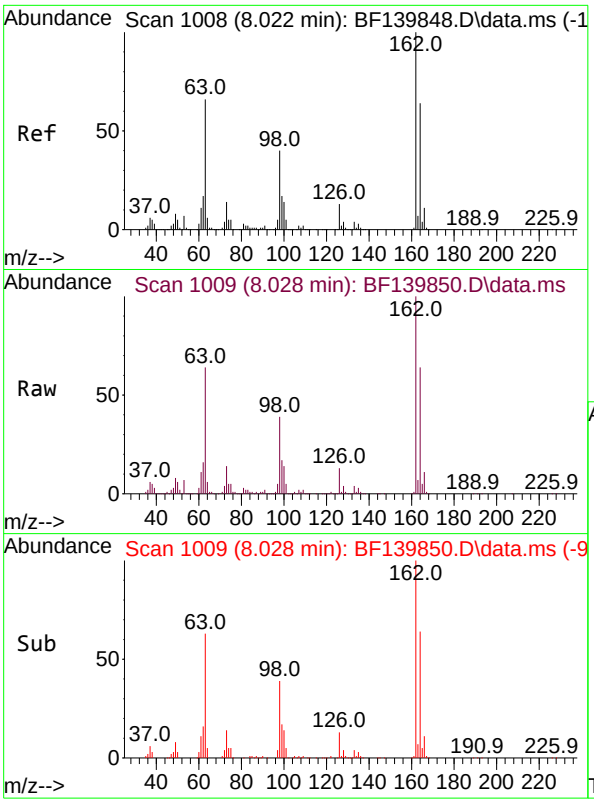


#28
bis(2-Chloroethoxy)methane
Concen: 56.369 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 93 Resp: 832755

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	11.8	9.8	14.8





#29
2,4-Dichlorophenol
Concen: 57.952 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

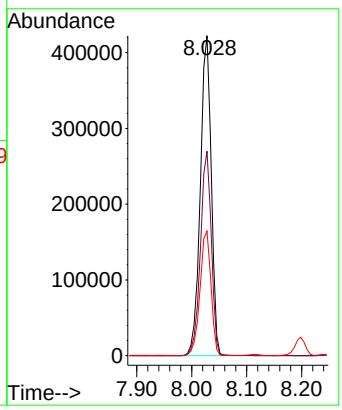
Tgt Ion:162 Resp: 58487

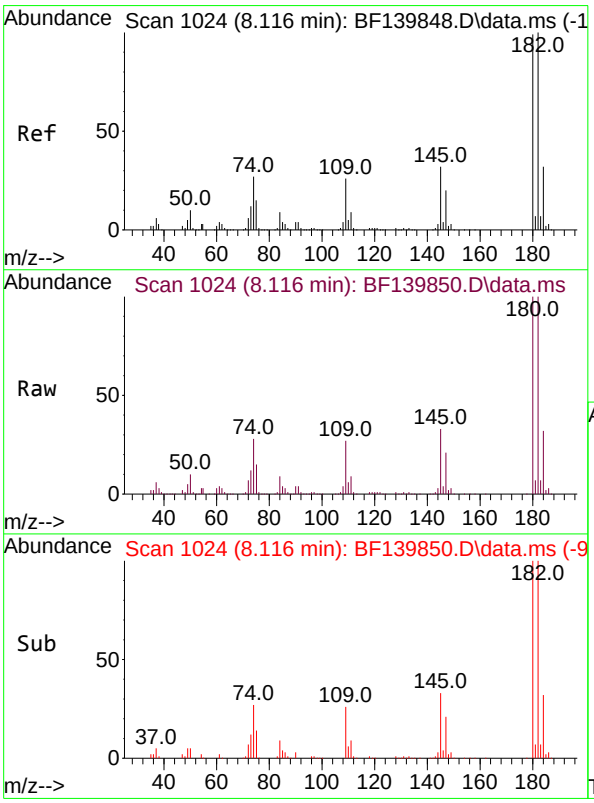
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	38.9	19.9	59.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Supervised By :mohammad ahmed 10/21/2024

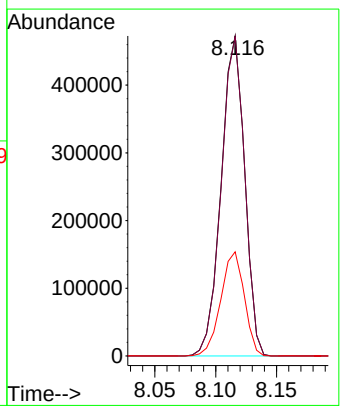


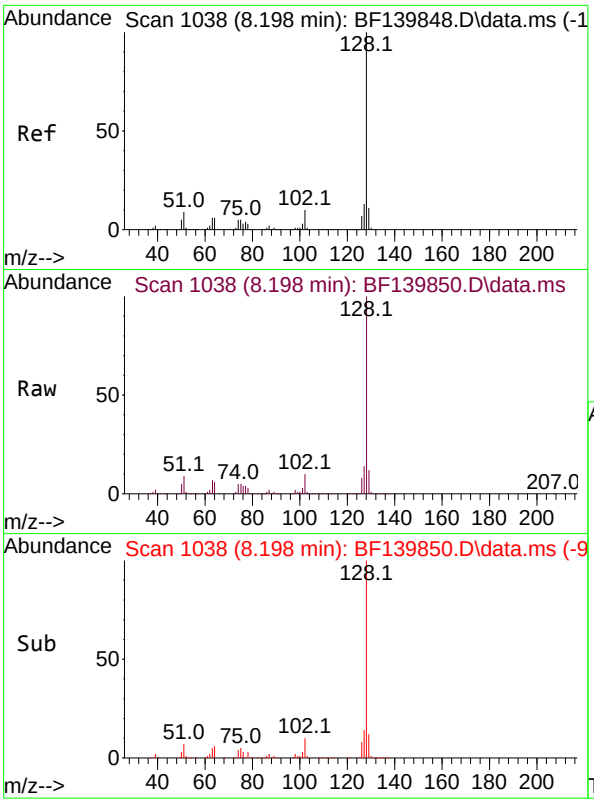


#30
1,2,4-Trichlorobenzene
Concen: 56.947 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:180 Resp: 635946

Ion	Ratio	Lower	Upper
180	100		
182	99.7	80.5	120.7
145	32.6	25.4	38.0





#31
Naphthalene
Concen: 54.907 ng
RT: 8.198 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

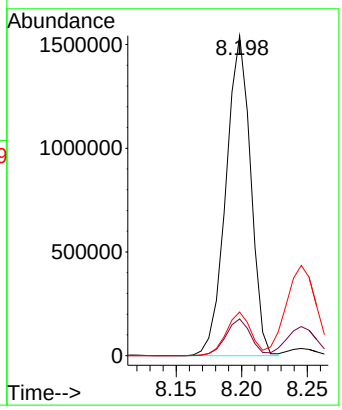
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

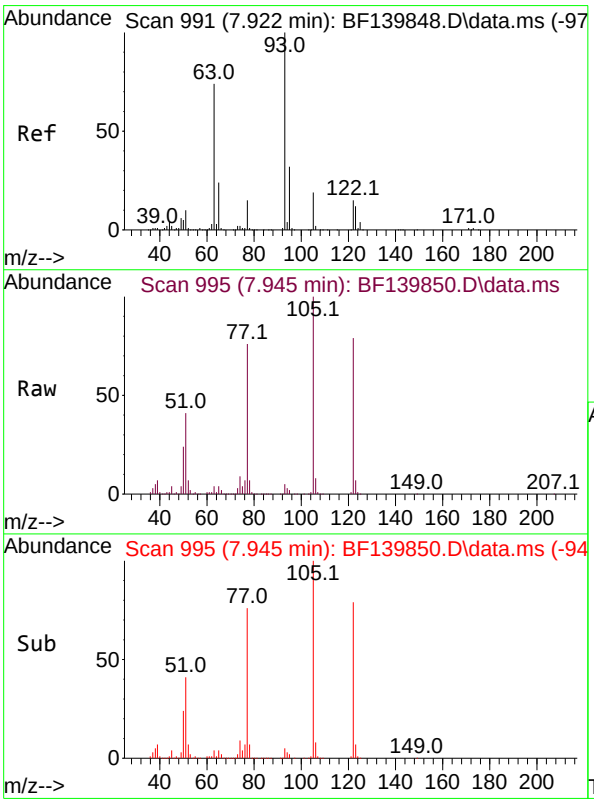
Tgt Ion:128 Resp: 201633(

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	13.7	10.6	16.0

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Supervised By :mohammad ahmed 10/21/2024

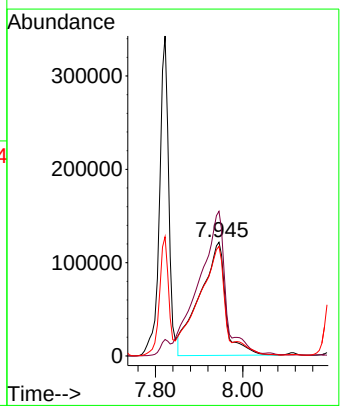


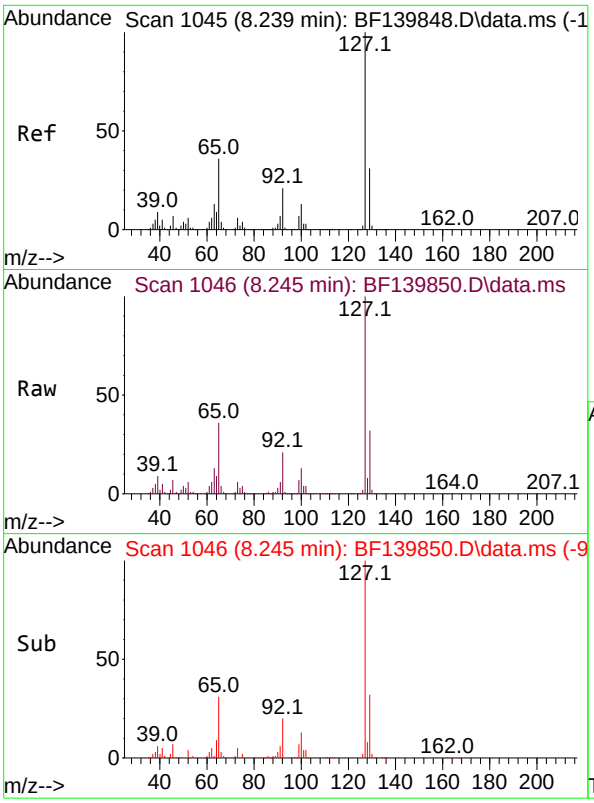


#32
Benzoic acid
Concen: 64.980 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.023 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:122 Resp: 502169

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.6	147.6
77	96.2	80.2	120.2

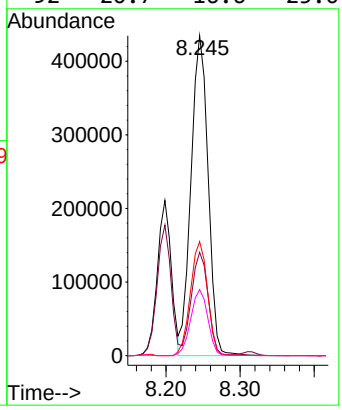




#33
4-Chloroaniline
Concen: 55.548 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:127 Resp: 69556

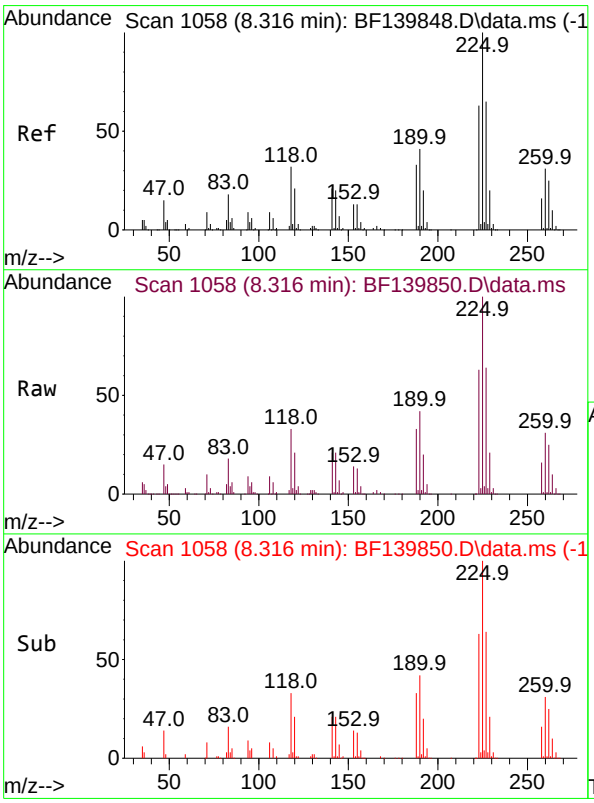
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	35.7	28.4	42.6
92	20.7	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
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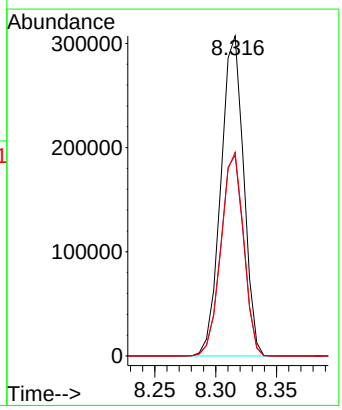
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

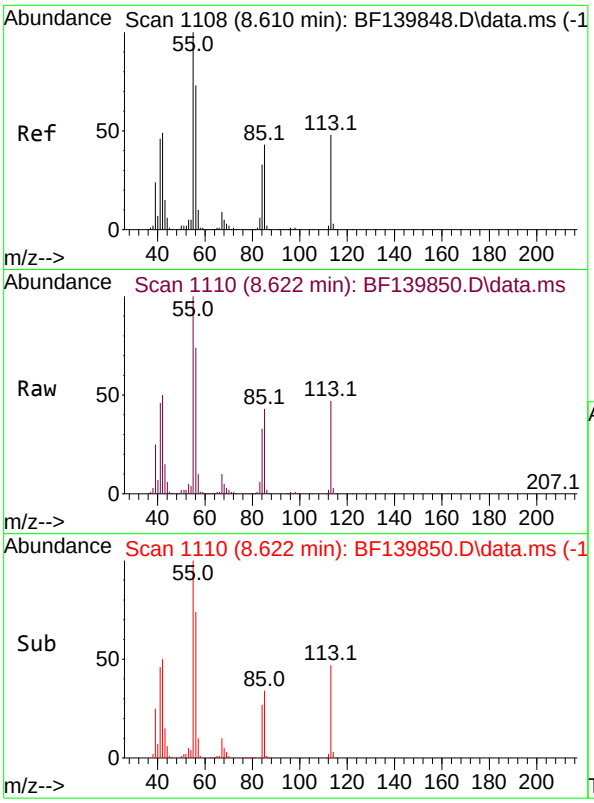


#34
Hexachlorobutadiene
Concen: 56.934 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:225 Resp: 399483

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.6	51.8	77.8

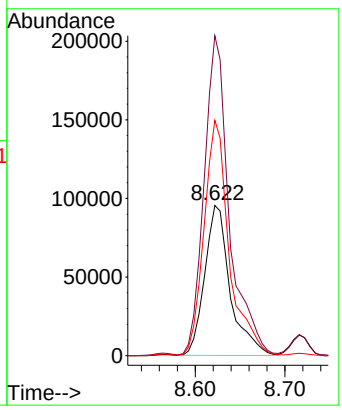




#35
Caprolactam
Concen: 58.880 ng
RT: 8.622 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:113 Resp: 18894

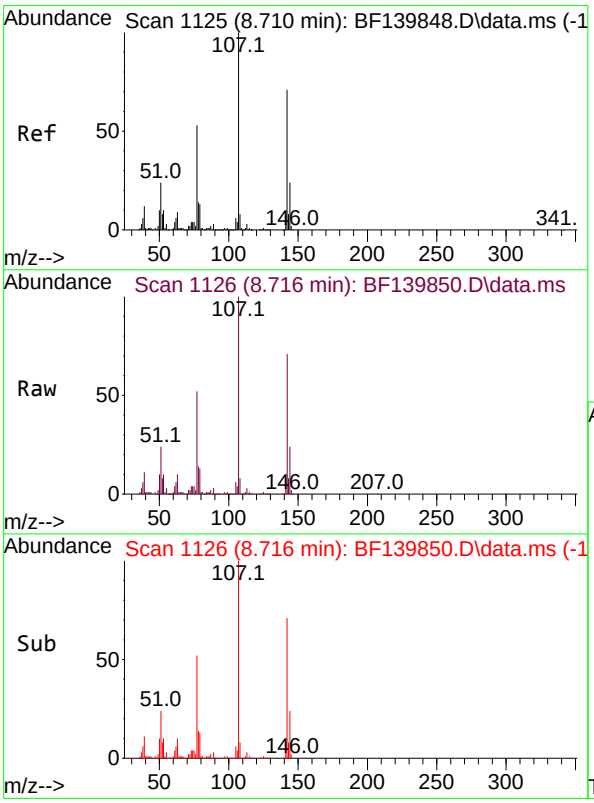
Ion	Ratio	Lower	Upper
113	100		
55	213.0	189.2	229.2
56	156.6	132.5	172.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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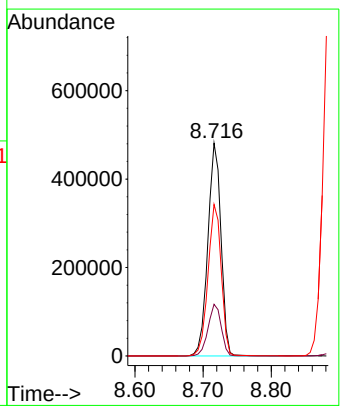
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

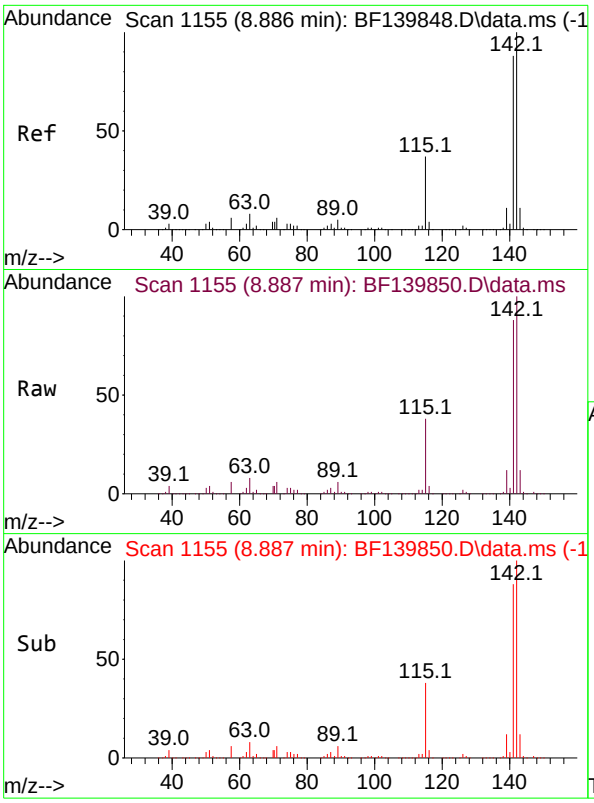


#36
4-Chloro-3-methylphenol
Concen: 57.872 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:107 Resp: 646732

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	71.2	57.2	85.8





#37
2-Methylnaphthalene
Concen: 55.401 ng
RT: 8.887 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

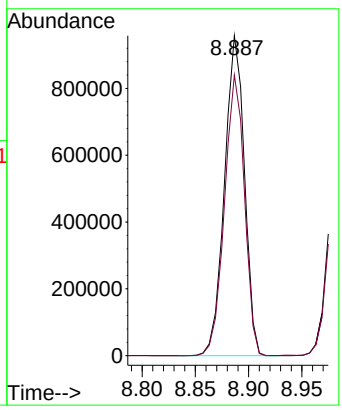
Tgt Ion:142 Resp: 124597

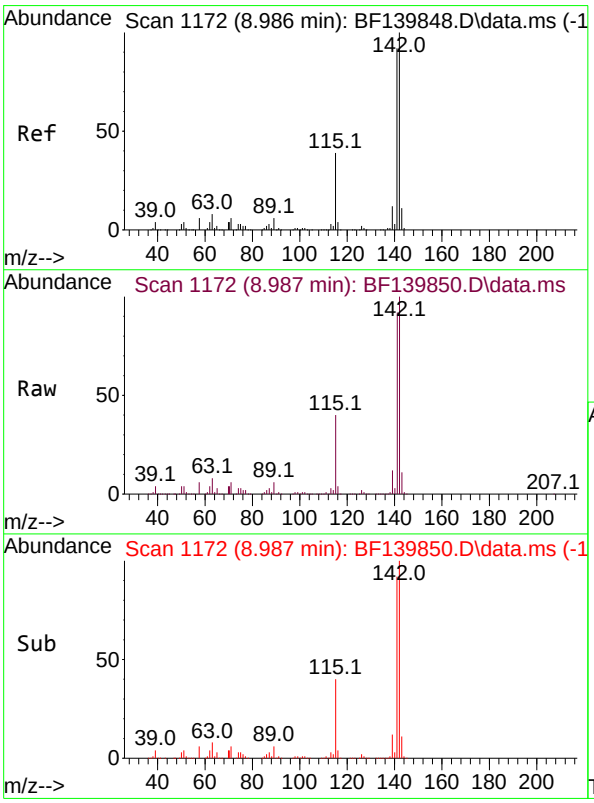
Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Supervised By :mohammad ahmed 10/21/2024

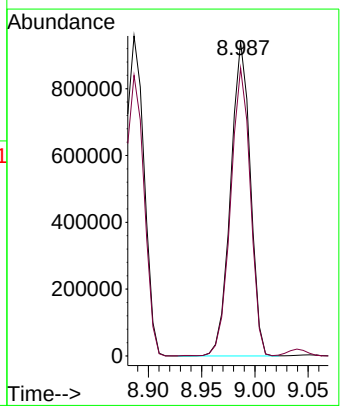


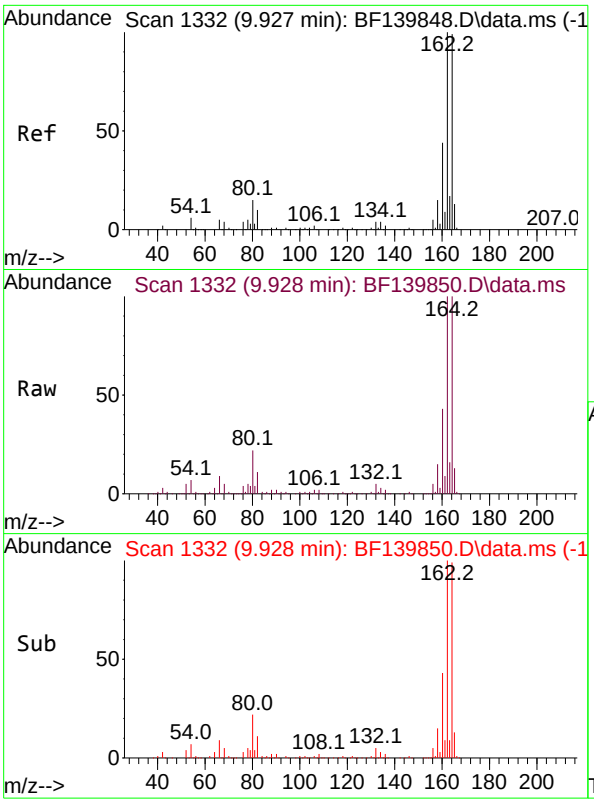


#38
1-Methylnaphthalene
Concen: 54.926 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:142 Resp: 1211981

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.5	110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

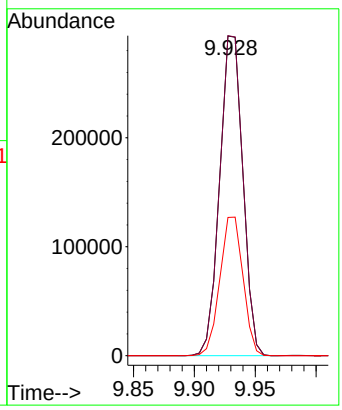
Tgt Ion:164 Resp: 38929

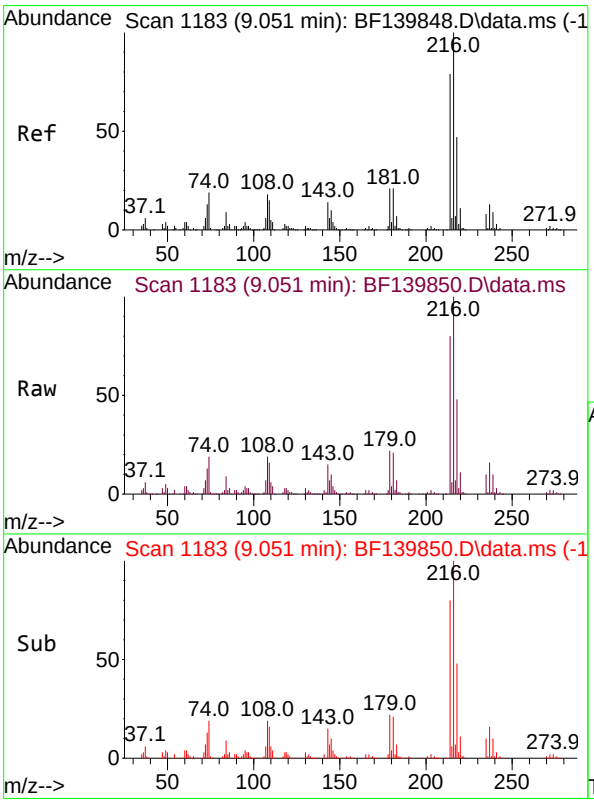
Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.0	121.4
160	43.3	35.4	53.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

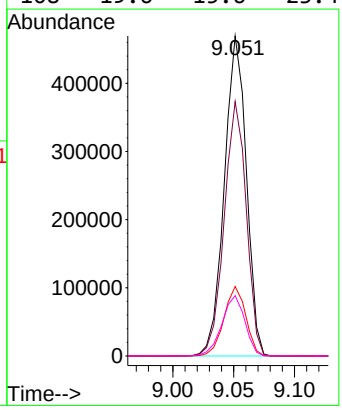


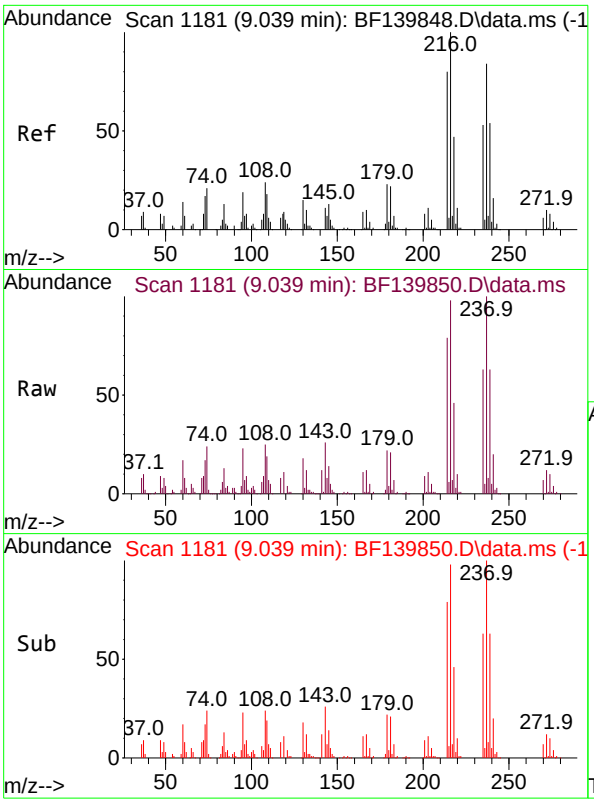


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.315 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:216 Resp: 591461

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.4	95.0
179	21.5	17.2	25.8
108	19.6	15.6	23.4

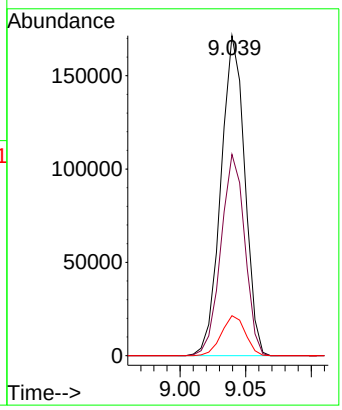




#41
Hexachlorocyclopentadiene
Concen: 59.262 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:237 Resp: 21656

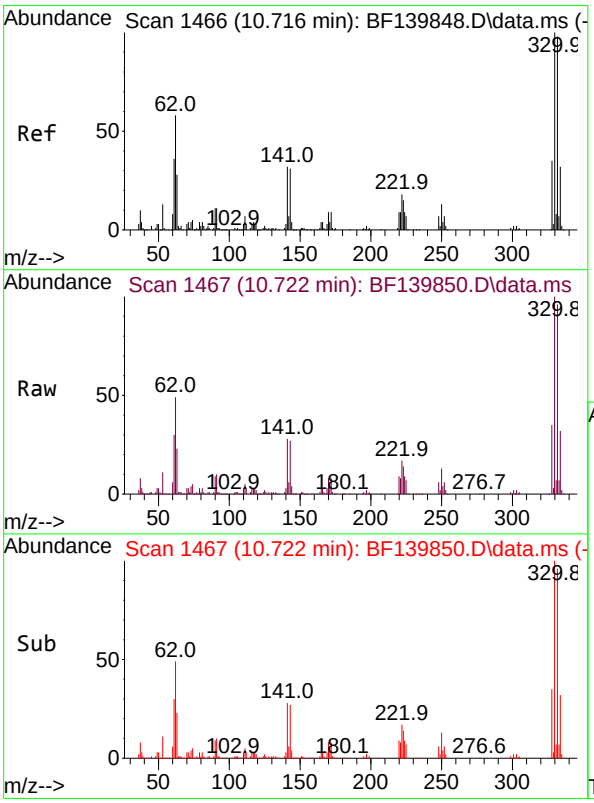
Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.5	0.0	32.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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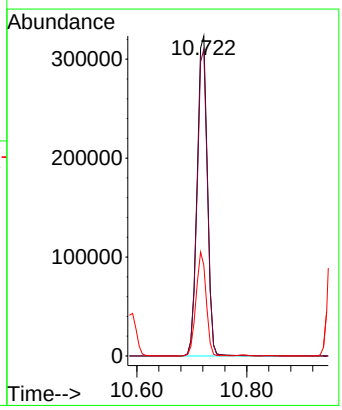
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

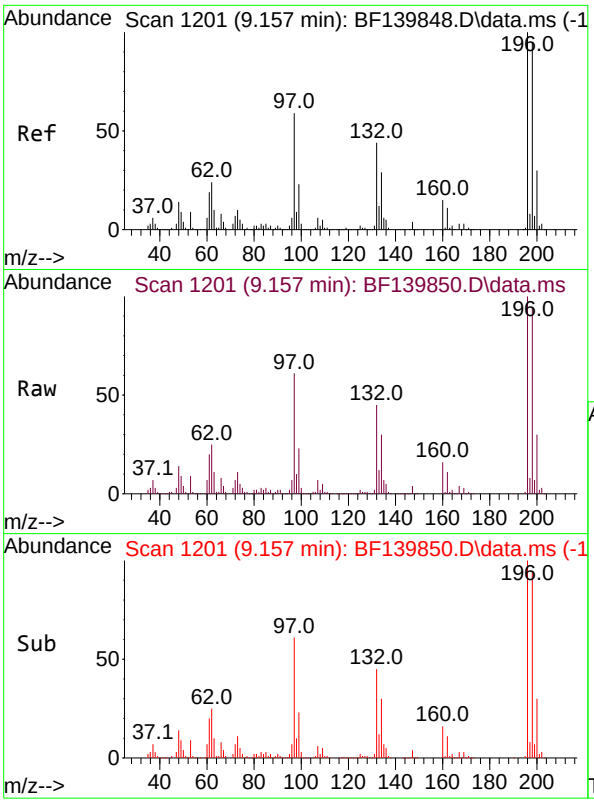


#42
2,4,6-Tribromophenol
Concen: 115.586 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:330 Resp: 420891

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.1	117.1
141	32.0	26.6	39.8

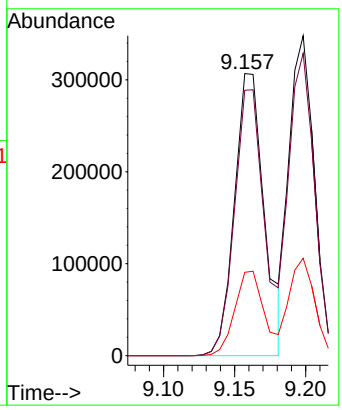




#43
2,4,6-Trichlorophenol
Concen: 60.209 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:196 Resp: 44770

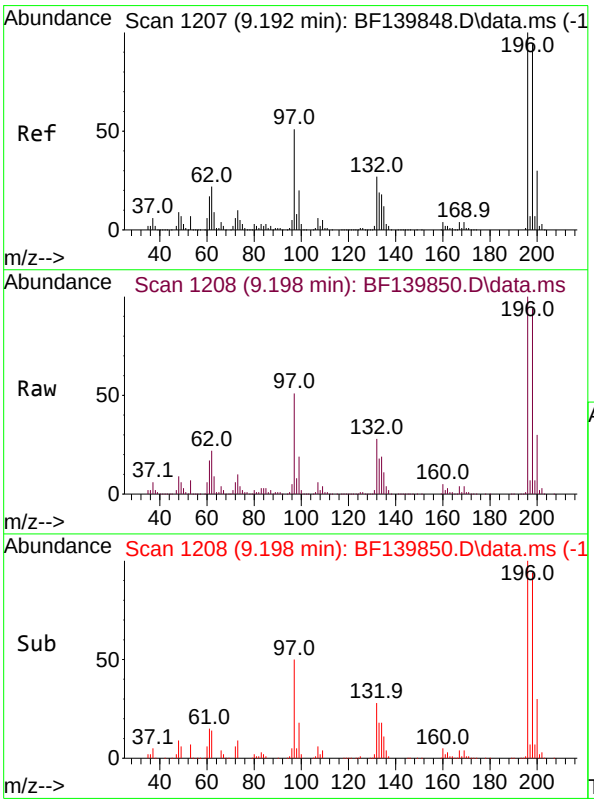
Ion	Ratio	Lower	Upper
196	100		
198	94.1	76.2	114.2
200	29.6	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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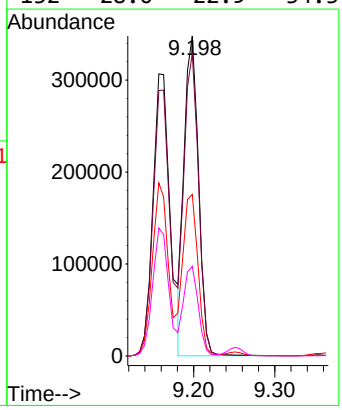
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

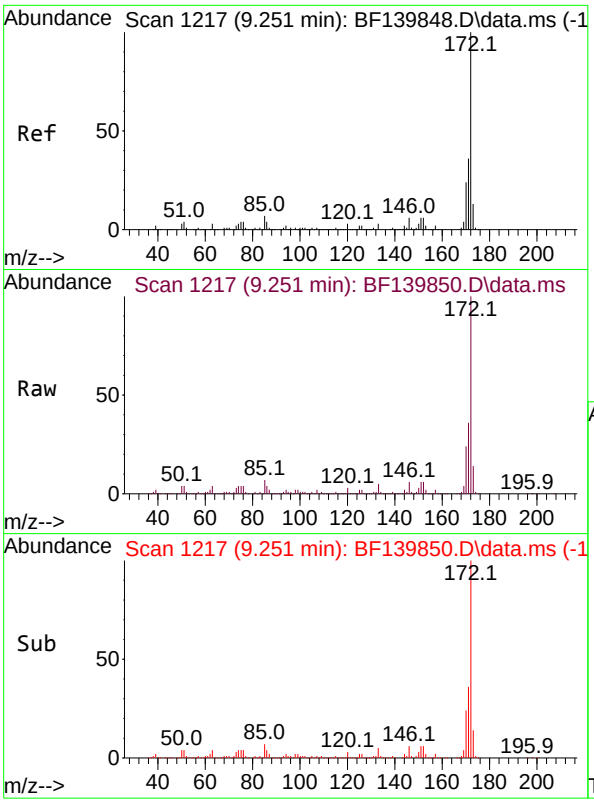


#44
2,4,5-Trichlorophenol
Concen: 56.191 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:196 Resp: 431080

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.8	113.6
97	50.5	41.8	62.6
132	28.0	22.9	34.3

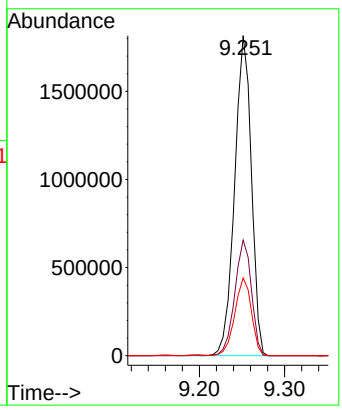




#45
2-Fluorobiphenyl
Concen: 105.106 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:172 Resp: 247582

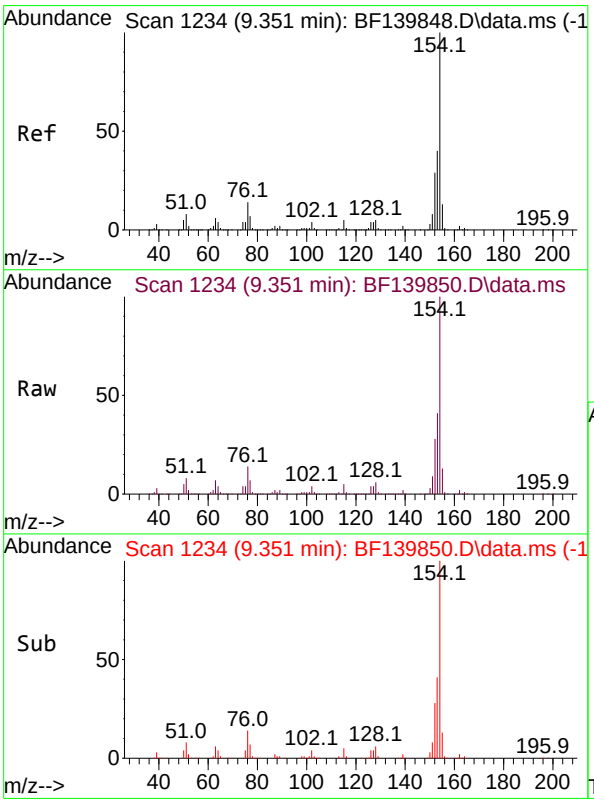
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.3	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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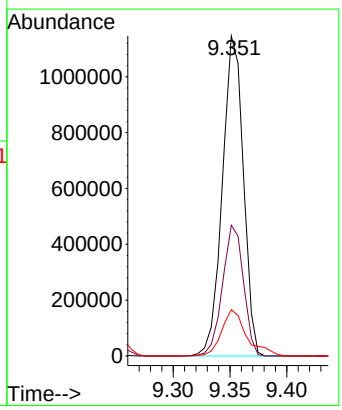
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

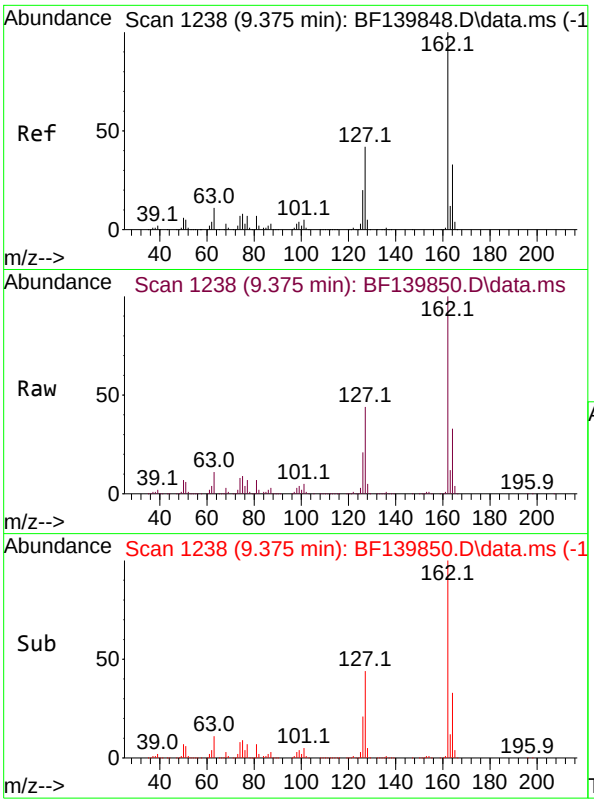


#46
1,1'-Biphenyl
Concen: 54.396 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:154 Resp: 1474193

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	14.5	0.0	33.9

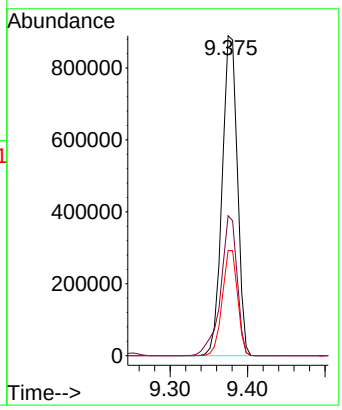




#47
2-Chloronaphthalene
Concen: 55.657 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:162 Resp: 121485

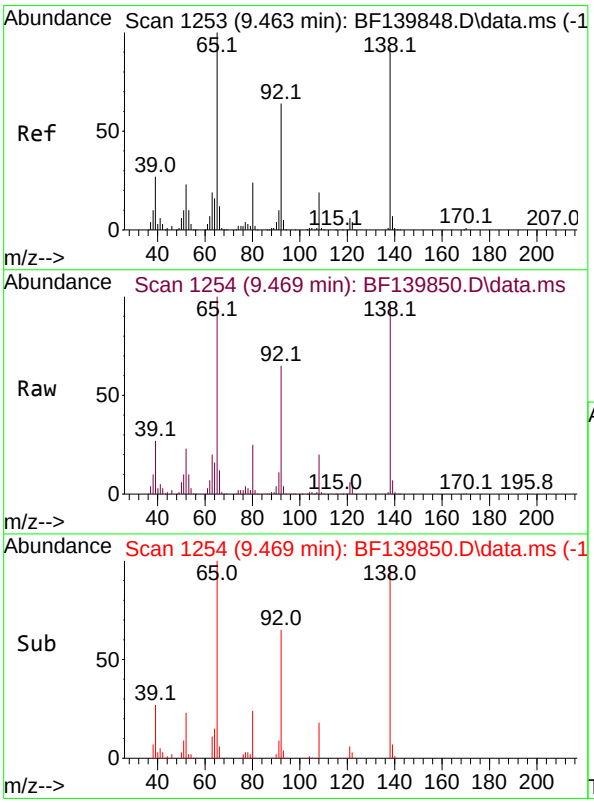
Ion	Ratio	Lower	Upper
162	100		
127	43.7	33.8	50.6
164	32.9	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

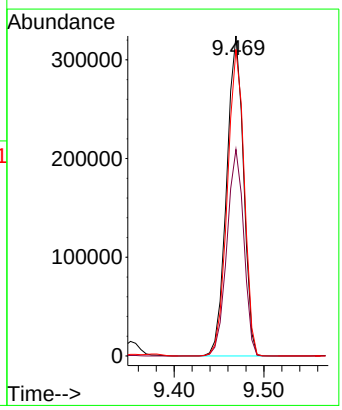
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

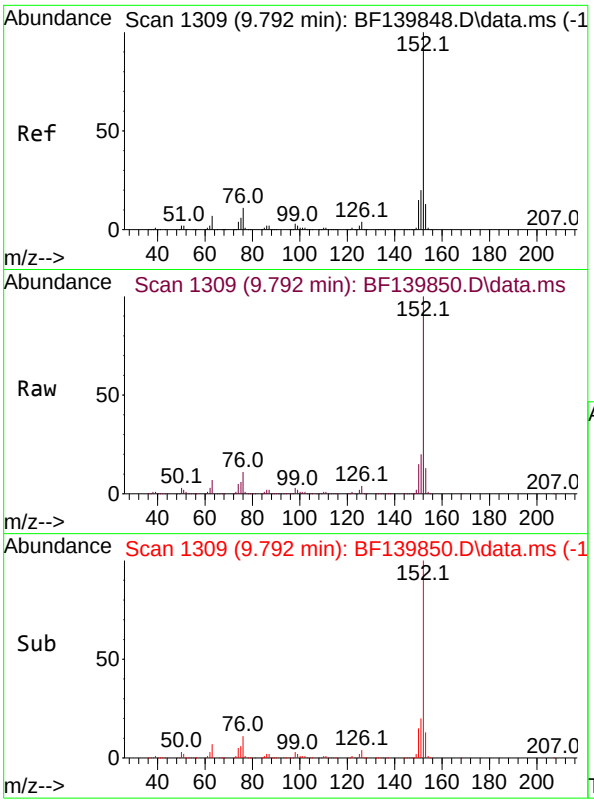


#48
2-Nitroaniline
Concen: 63.375 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 65 Resp: 423080

Ion	Ratio	Lower	Upper
65	100		
92	64.6	50.9	76.3
138	95.8	73.4	110.0

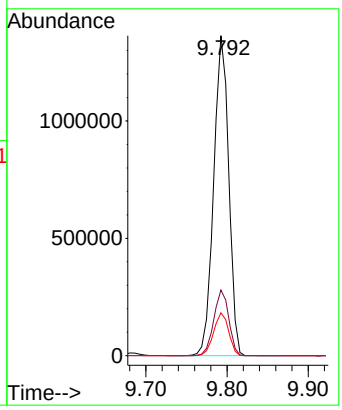




#49
Acenaphthylene
Concen: 55.718 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:152 Resp: 175824

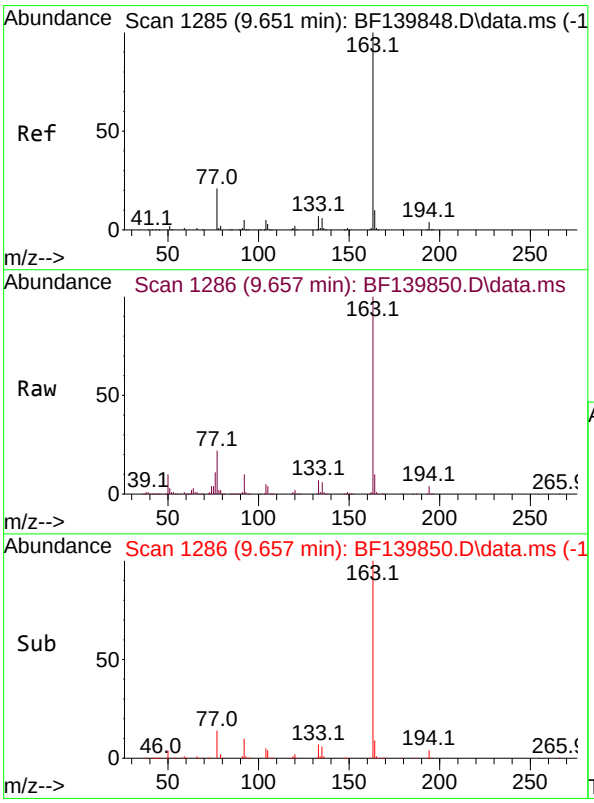
Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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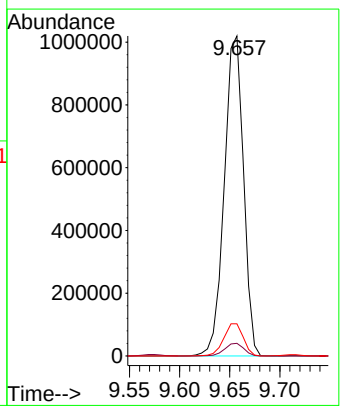
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

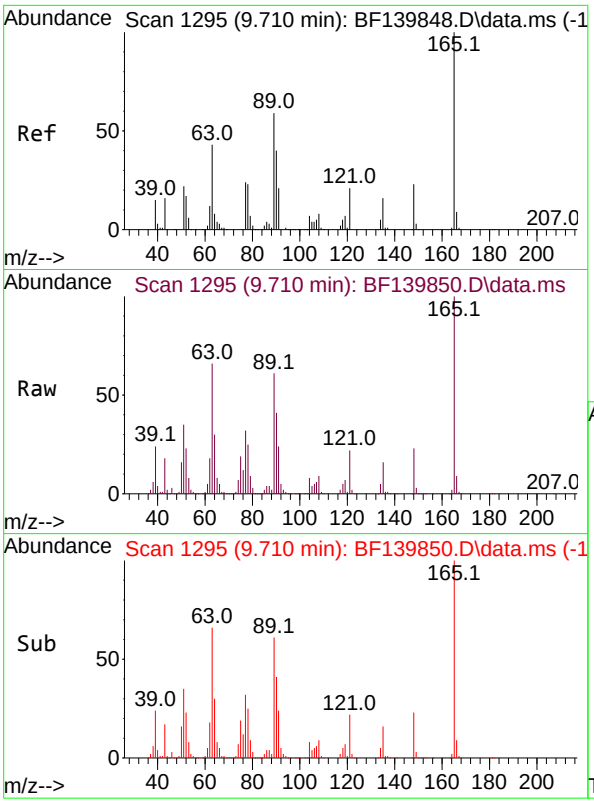


#50
Dimethylphthalate
Concen: 56.037 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:163 Resp: 1358812

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 60.963 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

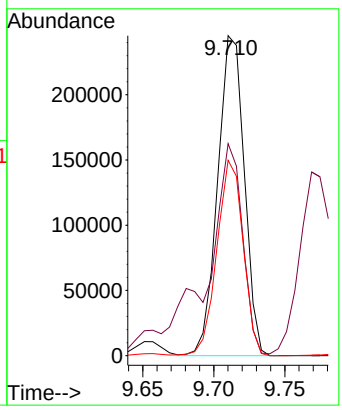
Tgt Ion:165 Resp: 32007

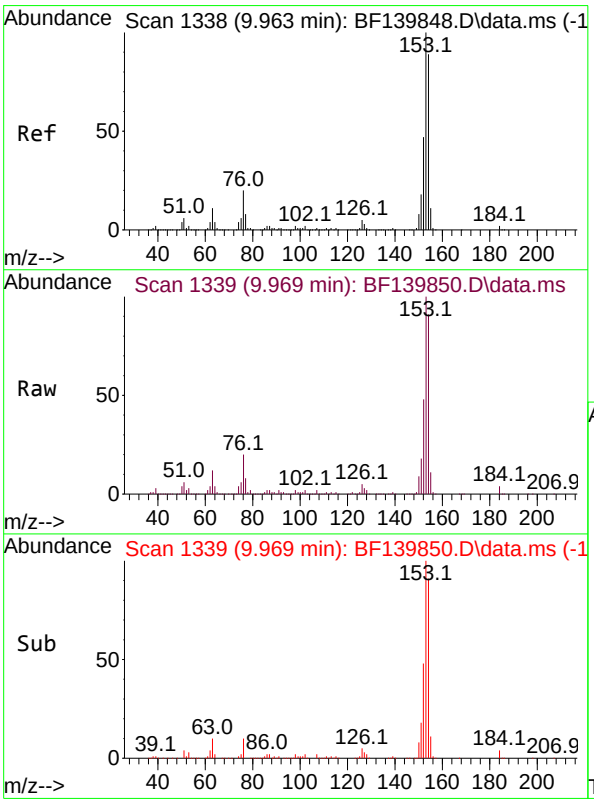
Ion	Ratio	Lower	Upper
165	100		
63	66.3	50.6	75.8
89	61.0	47.5	71.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

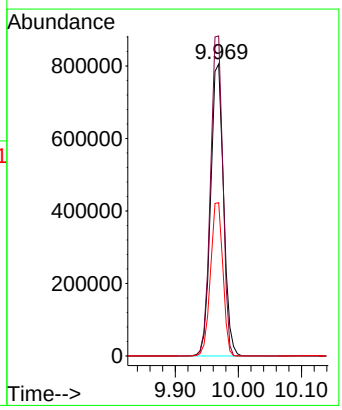


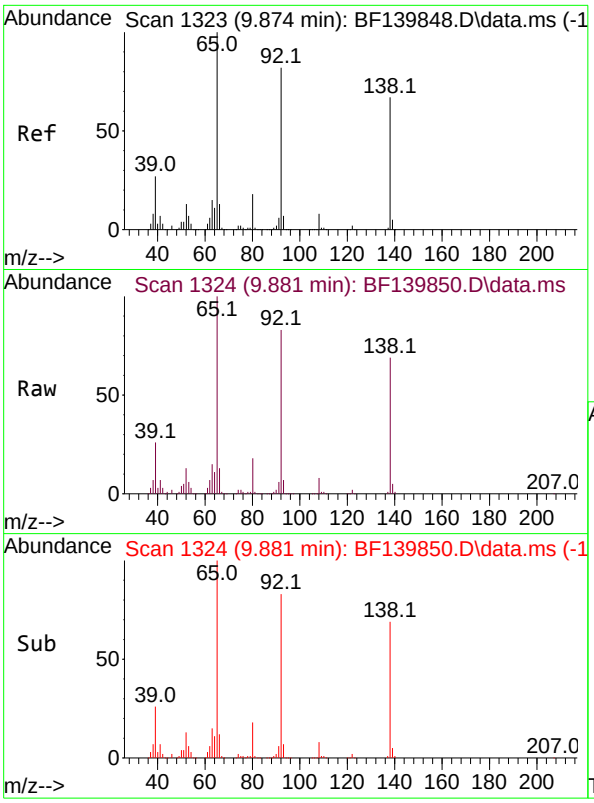


#52
Acenaphthene
Concen: 56.242 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:154 Resp: 1148095

Ion	Ratio	Lower	Upper
154	100		
153	109.6	89.8	134.6
152	52.5	42.4	63.6





#53
3-Nitroaniline
Concen: 60.726 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

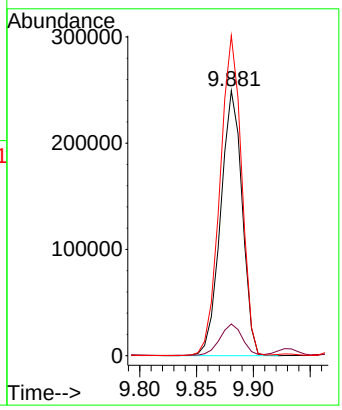
Tgt Ion:138 Resp: 32879

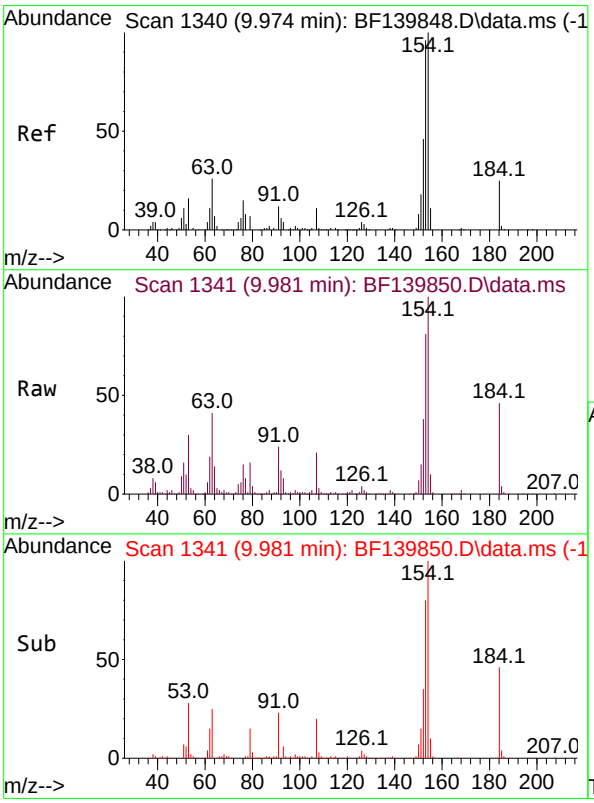
Ion	Ratio	Lower	Upper
138	100		
108	12.0	10.2	15.2
92	120.8	98.3	147.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

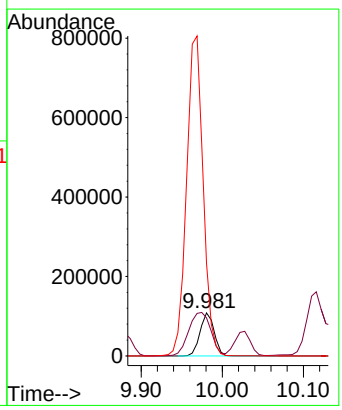


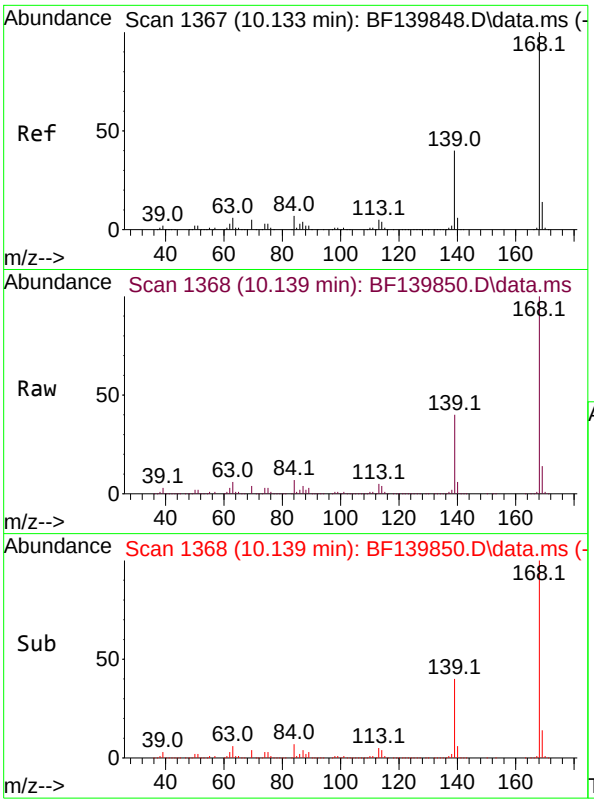


#54
2,4-Dinitrophenol
Concen: 61.938 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:184 Resp: 131611

Ion	Ratio	Lower	Upper
184	100		
63	88.4	84.7	127.1
154	215.7	338.2	507.2#

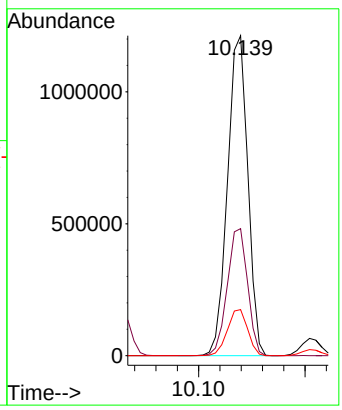




#55
Dibenzofuran
Concen: 54.819 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:168 Resp: 160557

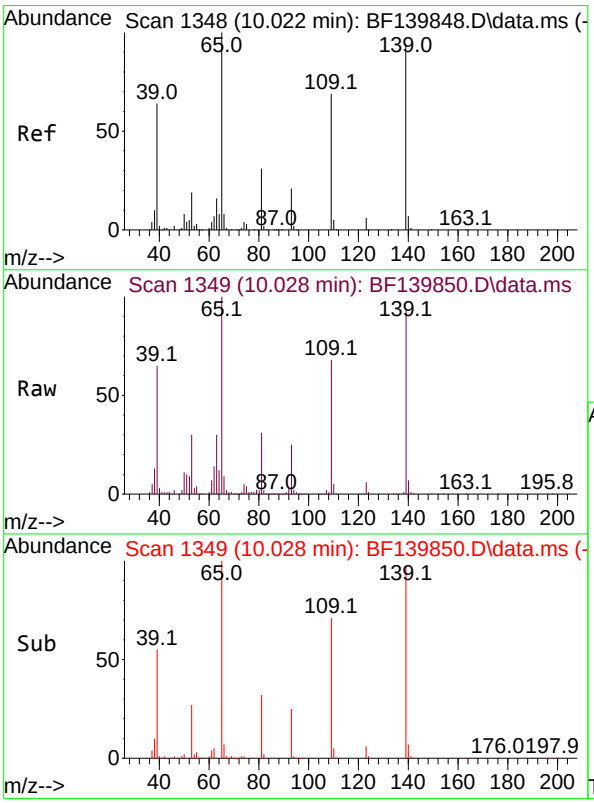
Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.8	47.6
169	14.4	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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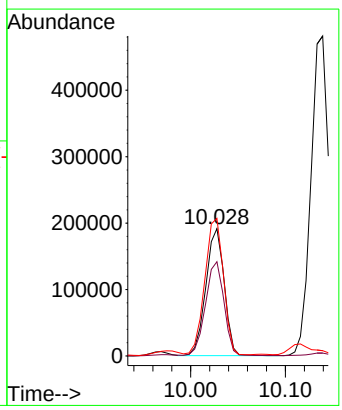
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

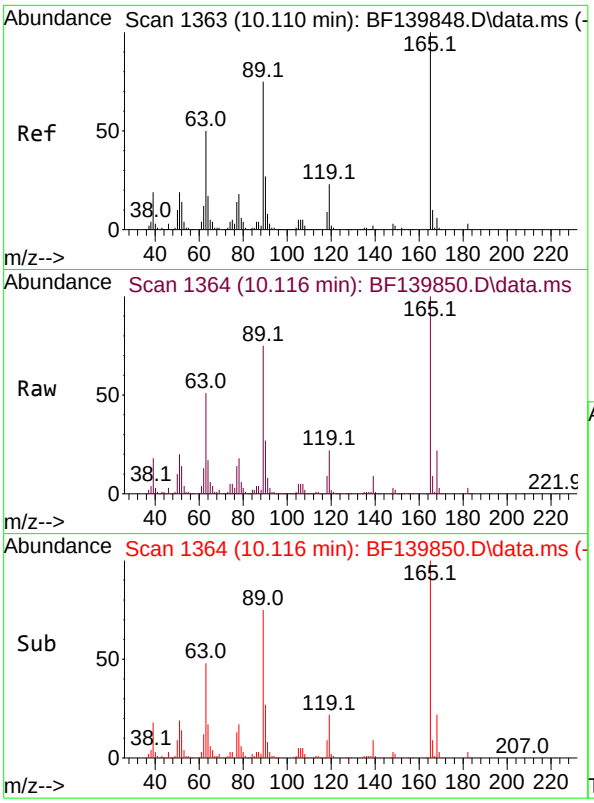


#56
4-Nitrophenol
Concen: 61.631 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:139 Resp: 256728

Ion	Ratio	Lower	Upper
139	100		
109	74.0	53.6	93.6
65	108.1	87.8	127.8

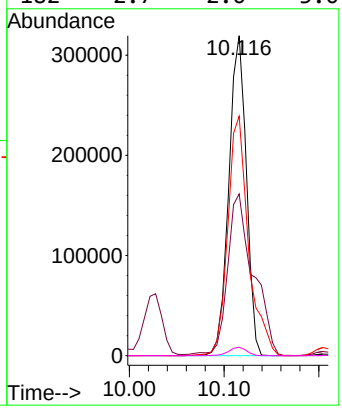




#57
2,4-Dinitrotoluene
Concen: 63.558 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:165 Resp: 41036

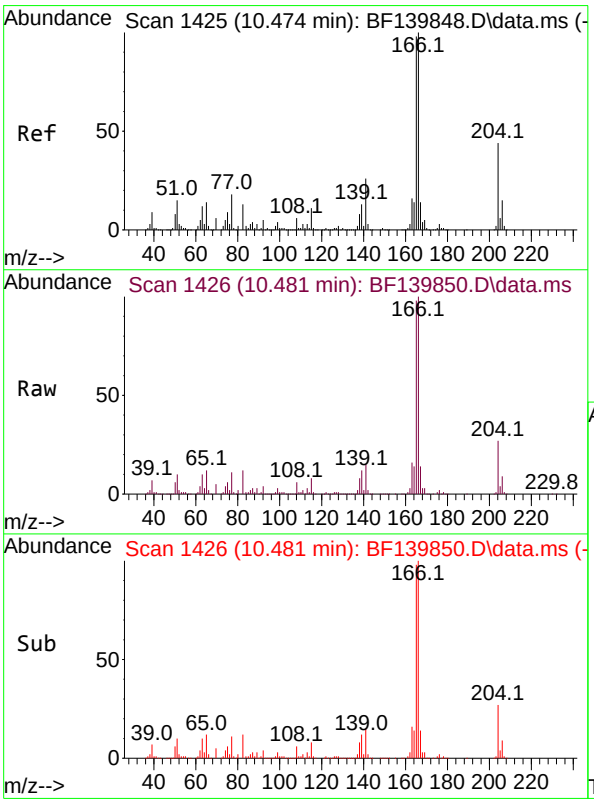
Ion	Ratio	Lower	Upper
165	100		
63	50.6	40.1	60.1
89	74.9	60.4	90.6
182	2.7	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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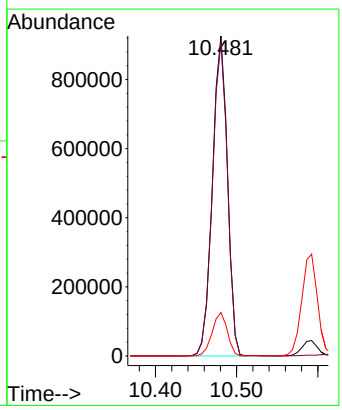
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

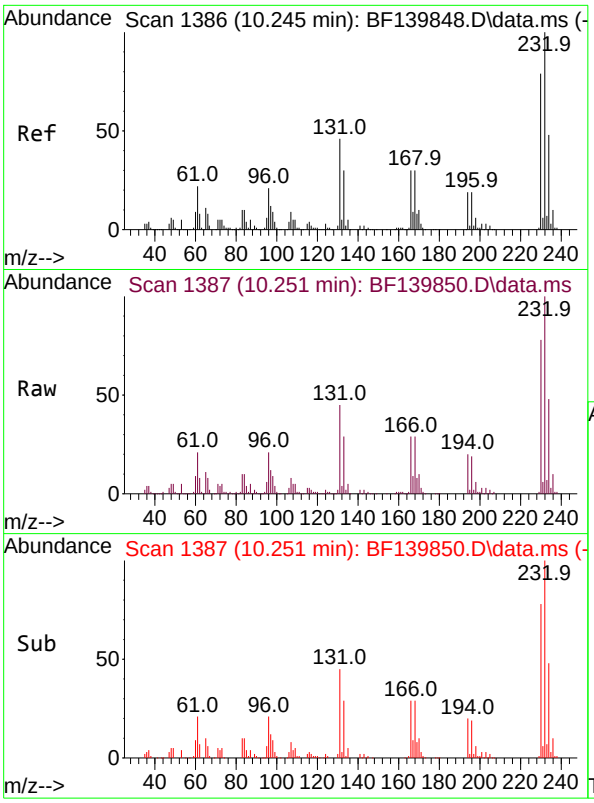


#58
Fluorene
Concen: 53.435 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:166 Resp: 1192018

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.5	117.7
167	13.5	10.9	16.3

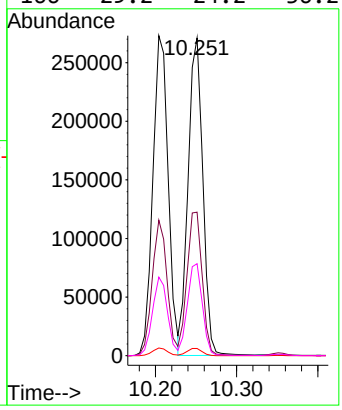




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.946 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:232 Resp: 34247

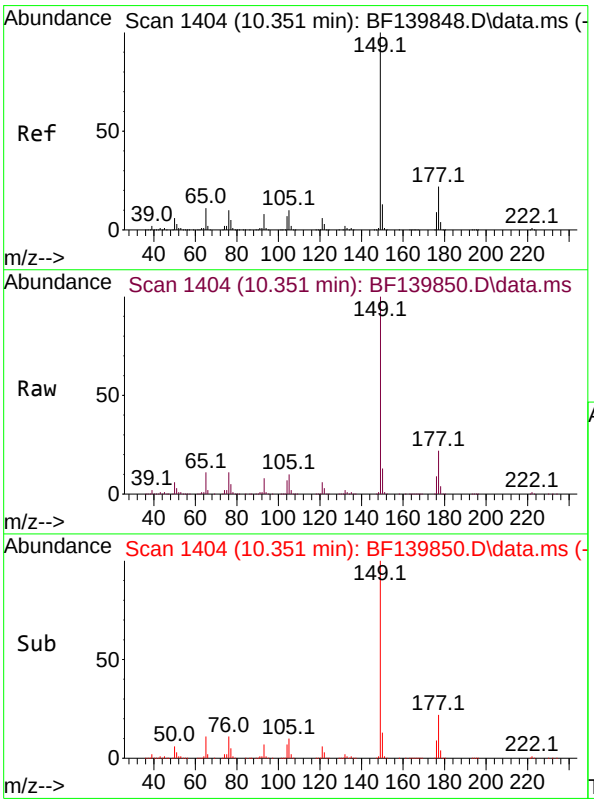
Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.4	1.9	2.9
166	29.2	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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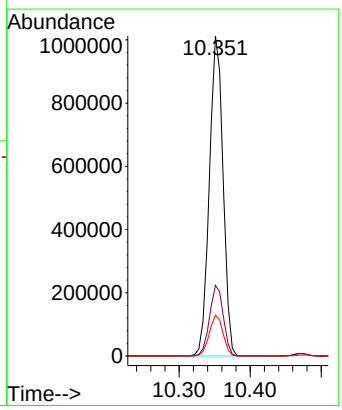
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

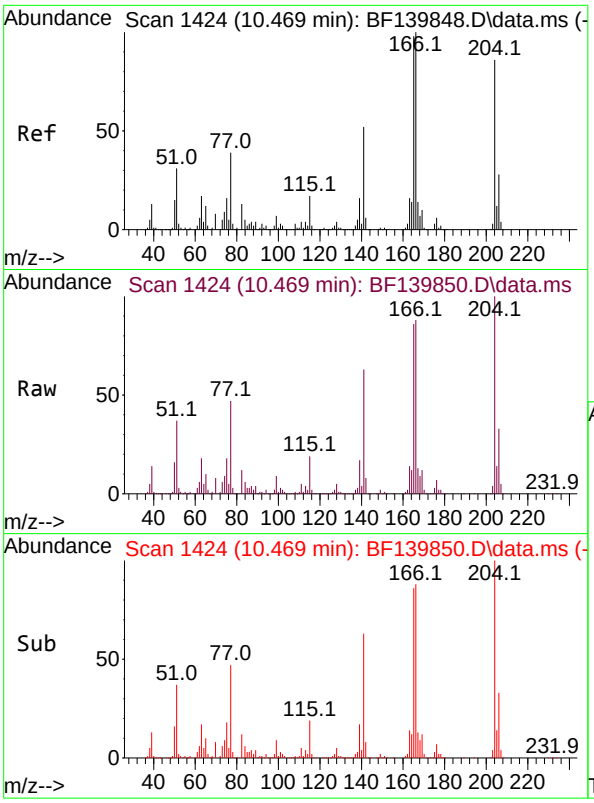


#60
Diethylphthalate
Concen: 56.954 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 1355992

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.9	26.9
150	12.8	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 53.858 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

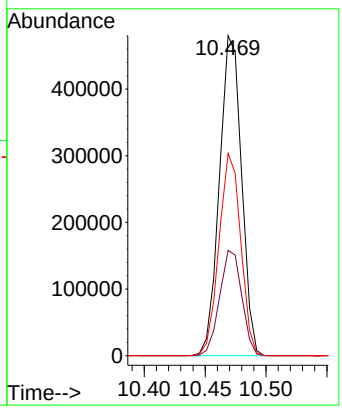
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

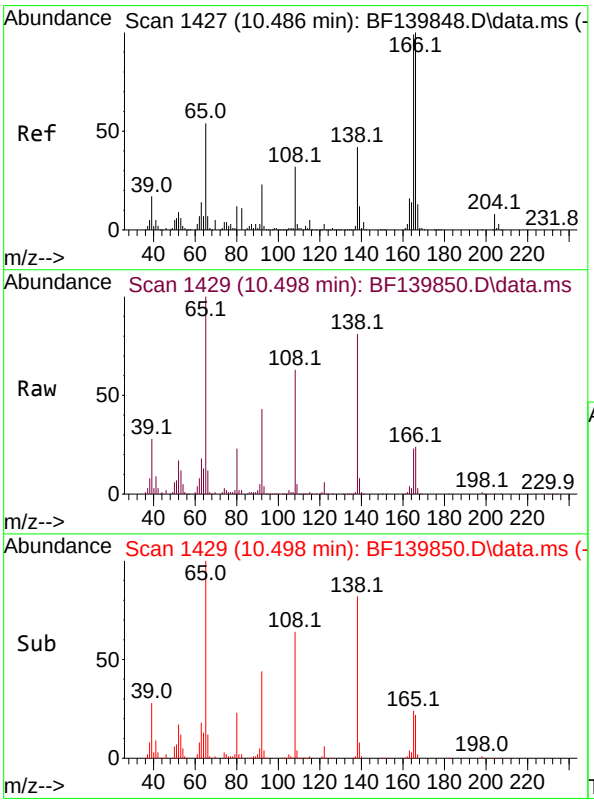
Tgt Ion:204 Resp: 60673

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	63.3	48.6	73.0

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

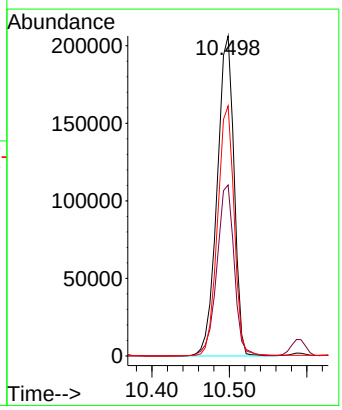


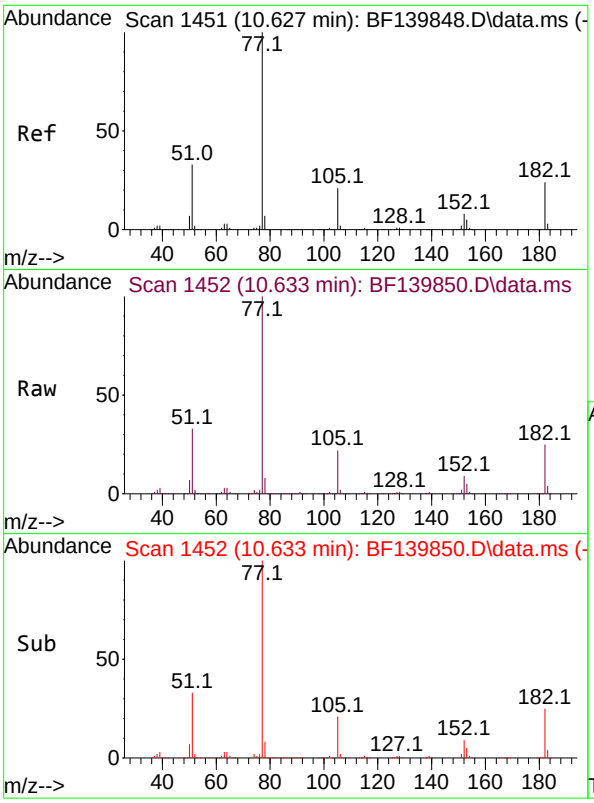


#62
4-Nitroaniline
Concen: 61.507 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:138 Resp: 314525

Ion	Ratio	Lower	Upper
138	100		
92	53.4	35.7	75.7
108	78.2	57.5	97.5

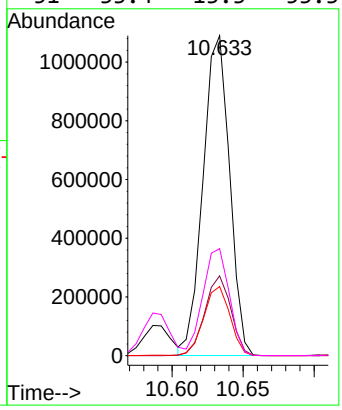




#63
Azobenzene
Concen: 56.090 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion: 77 Resp: 141576

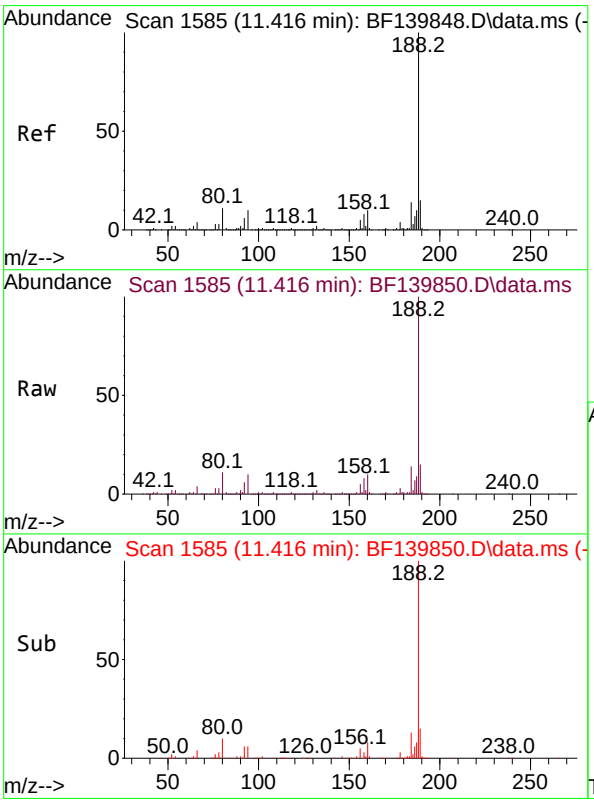
Ion	Ratio	Lower	Upper
77	100		
182	24.9	3.3	43.3
105	21.6	1.2	41.2
51	33.4	13.3	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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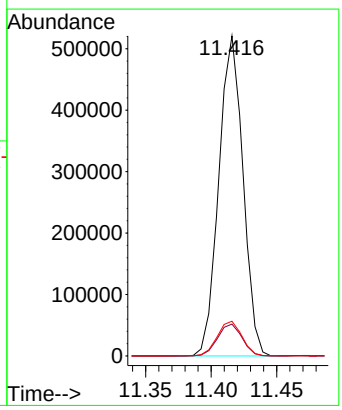
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

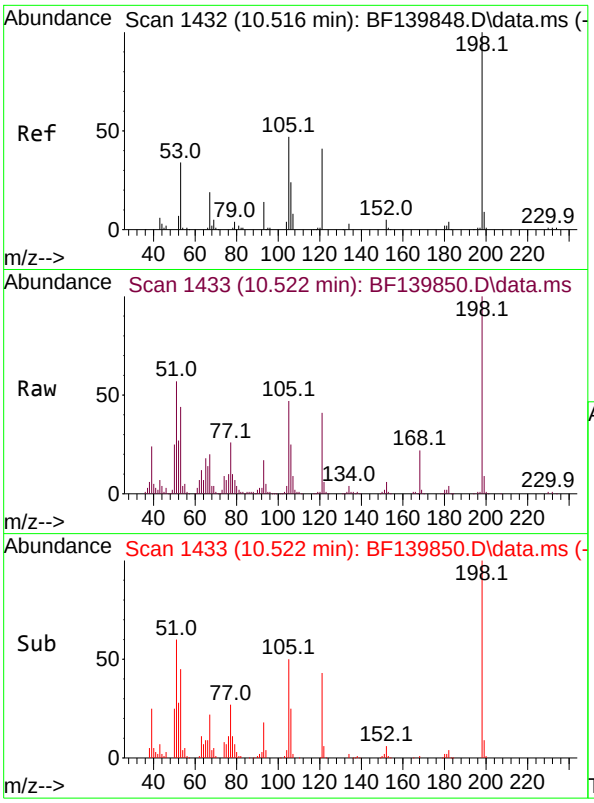


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:188 Resp: 667372

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	10.9	9.0	13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 67.951 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

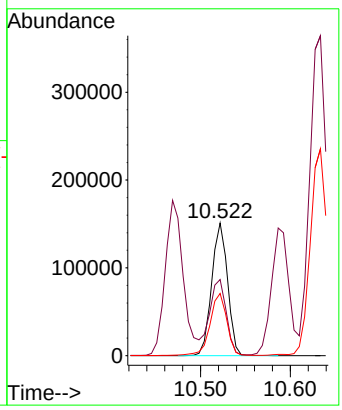
Tgt Ion:198 Resp: 18497

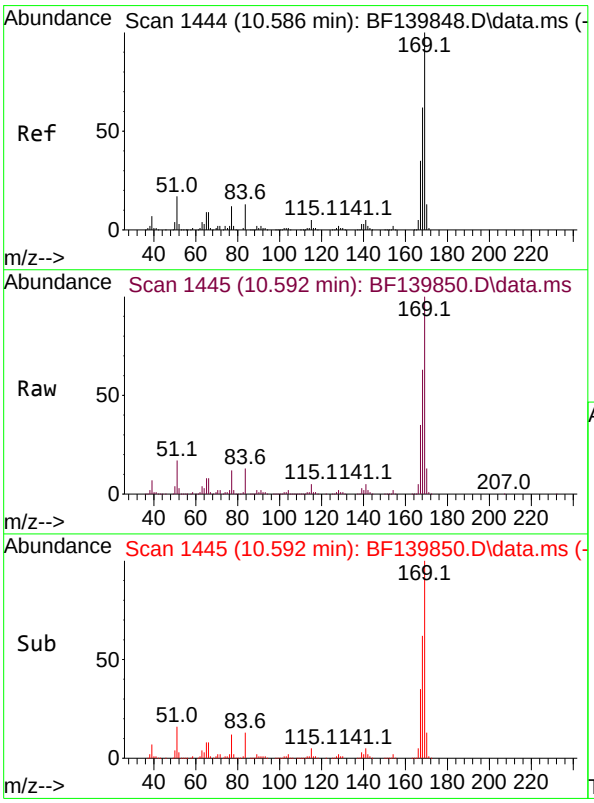
Ion	Ratio	Lower	Upper
198	100		
51	57.4	38.2	78.2
105	47.0	27.9	67.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

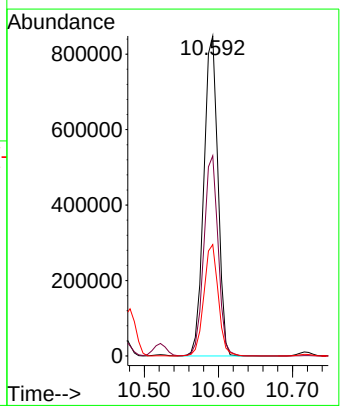


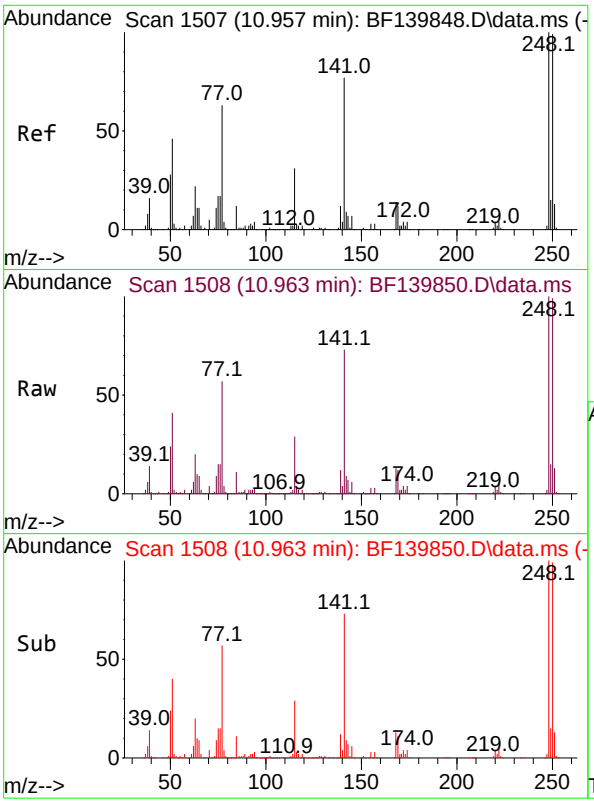


#66
n-Nitrosodiphenylamine
Concen: 56.214 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:169 Resp: 1122831

Ion	Ratio	Lower	Upper
169	100		
168	62.5	49.8	74.6
167	34.8	28.0	42.0

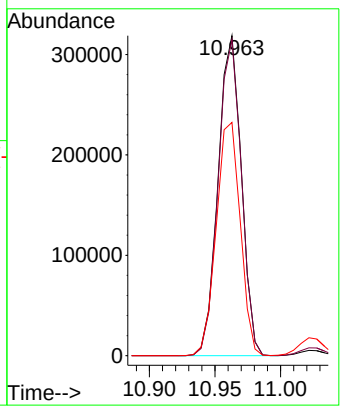




#67
4-Bromophenyl-phenylether
Concen: 57.100 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:248 Resp: 39257

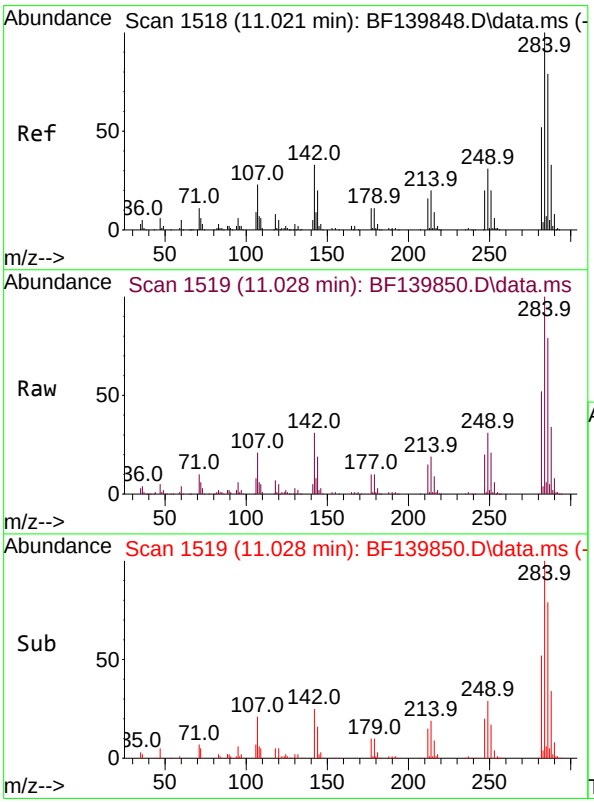
Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.6
141	72.9	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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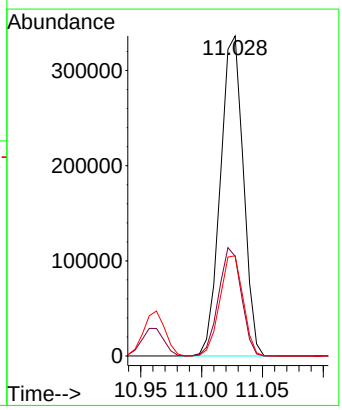
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

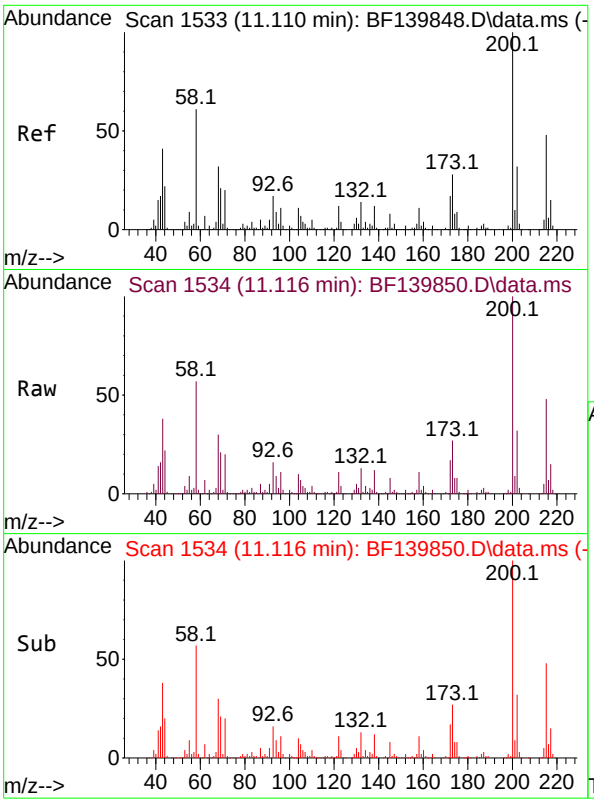


#68
Hexachlorobenzene
Concen: 57.187 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:284 Resp: 442187

Ion	Ratio	Lower	Upper
284	100		
142	31.2	26.9	40.3
249	31.3	25.3	37.9

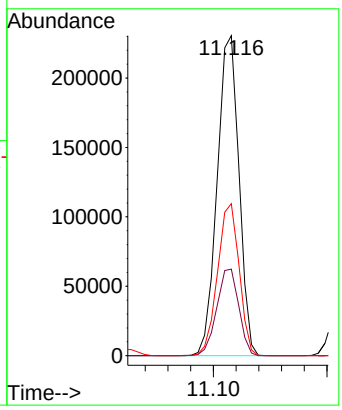




#69
Atrazine
Concen: 56.767 ng
RT: 11.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:200 Resp: 30714

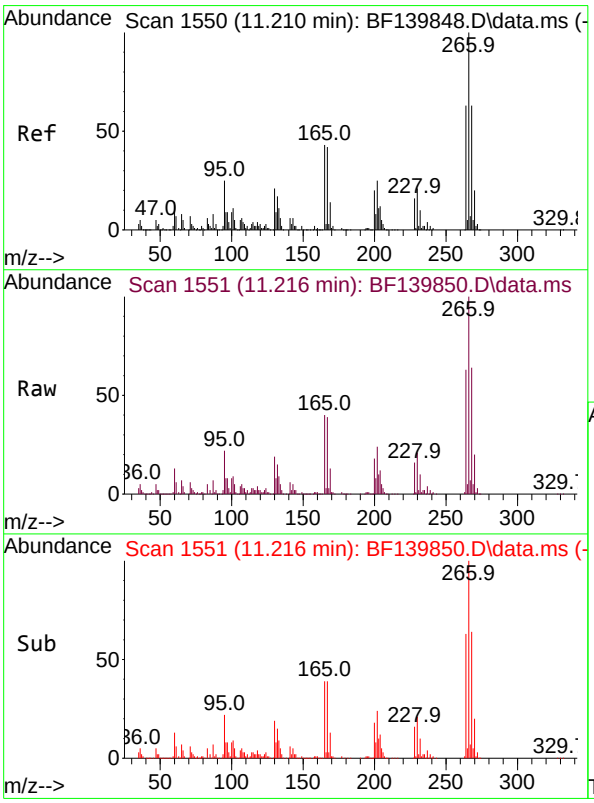
Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.7	47.7
215	47.5	27.7	67.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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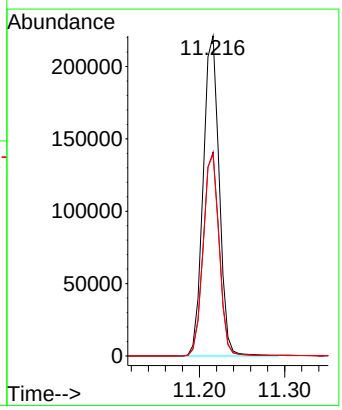
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

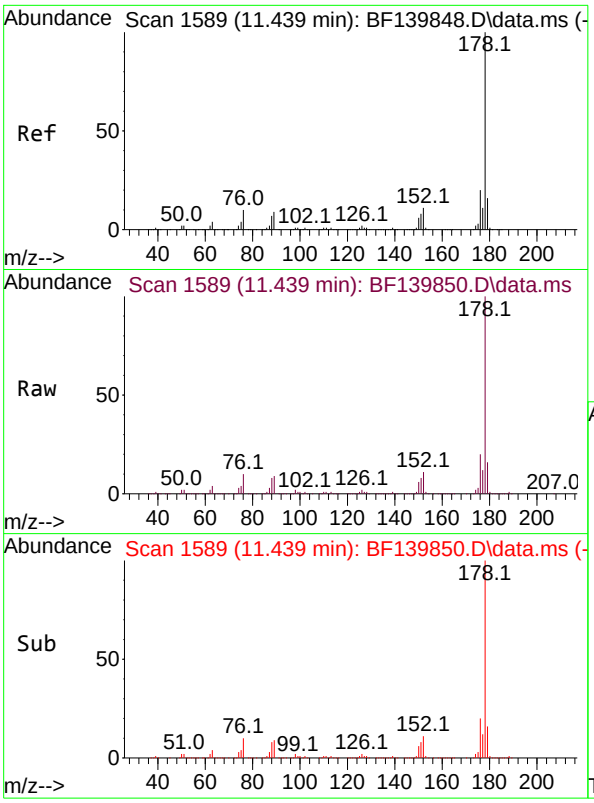


#70
Pentachlorophenol
Concen: 61.587 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:266 Resp: 289014

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.4	75.6
264	63.0	50.6	75.8

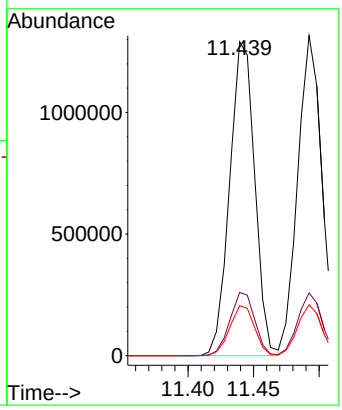




#71
Phenanthrene
Concen: 54.618 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:178 Resp: 172176

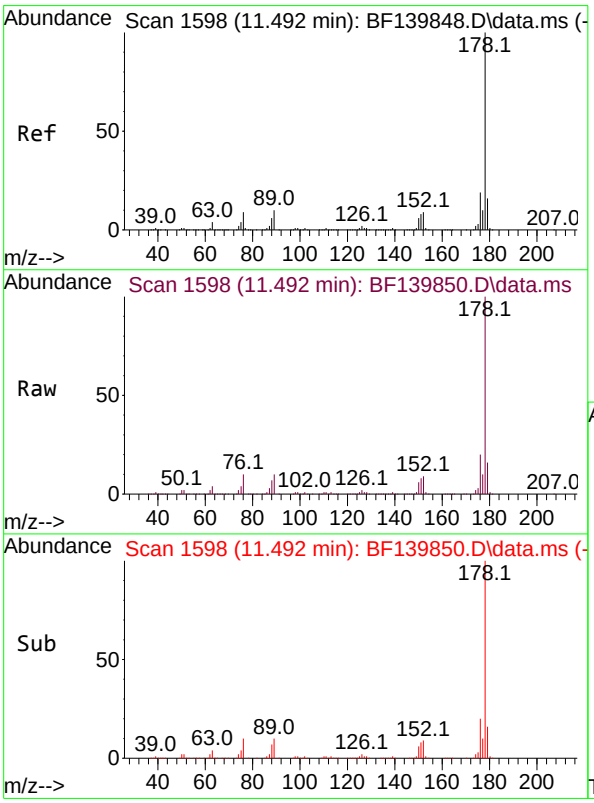
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	15.9	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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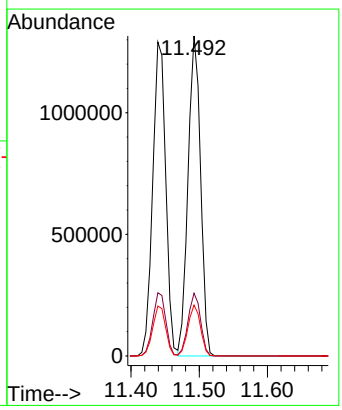
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

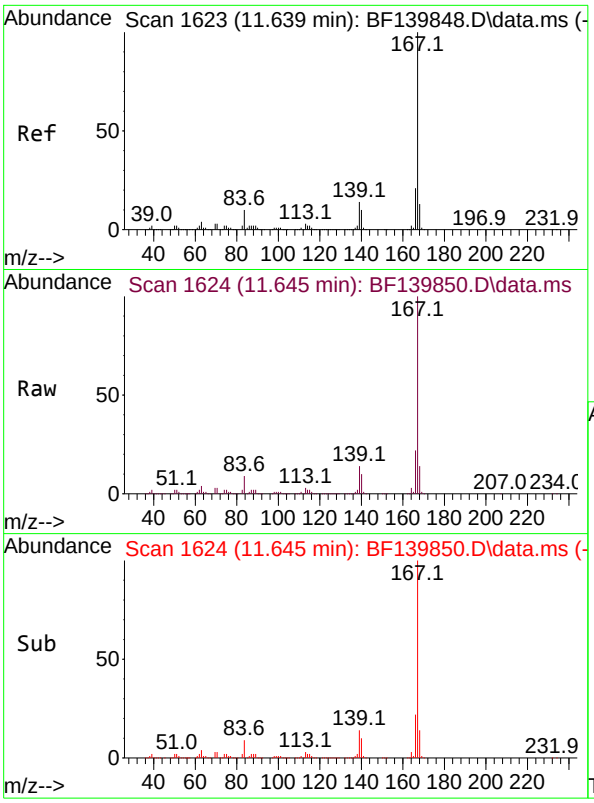


#72
Anthracene
Concen: 54.206 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:178 Resp: 1667221

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.9	12.4	18.6

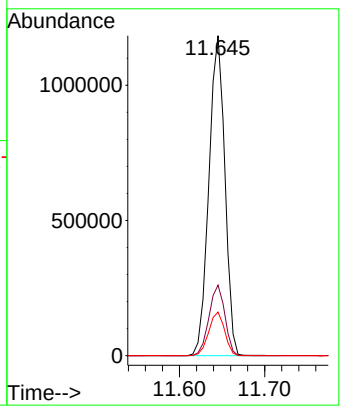




#73
Carbazole
Concen: 54.015 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:167 Resp: 154508

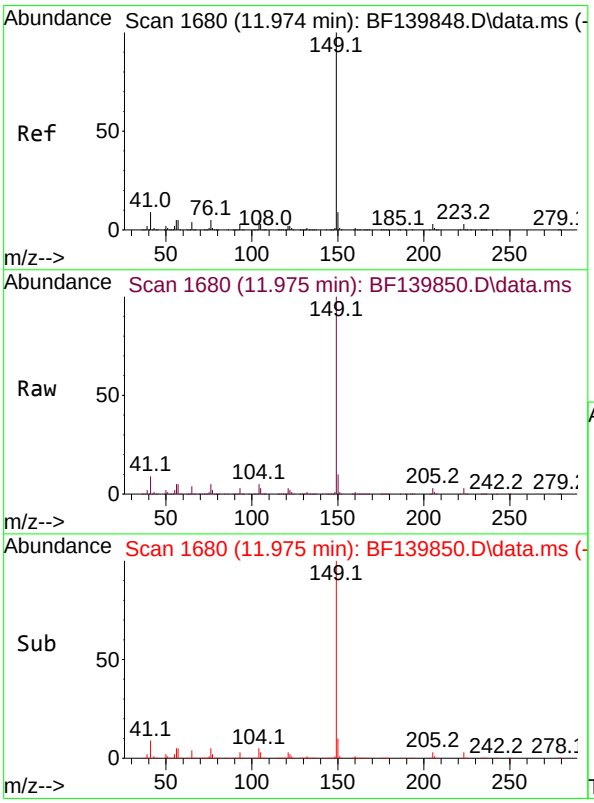
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	13.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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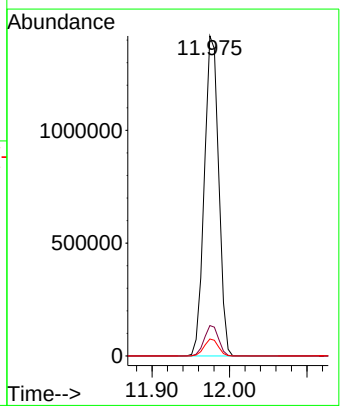
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

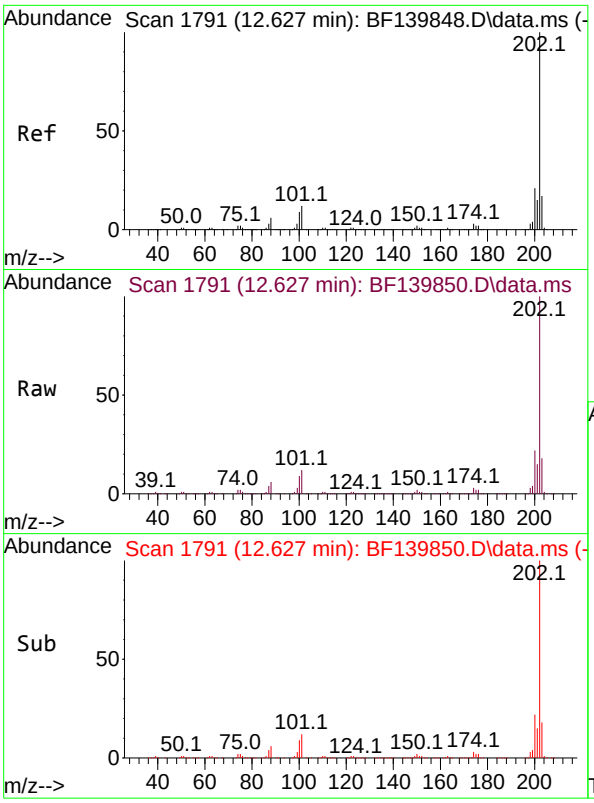


#74
Di-n-butylphthalate
Concen: 55.069 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 1819929

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.3	4.1	6.1





#75
Fluoranthene
Concen: 52.448 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

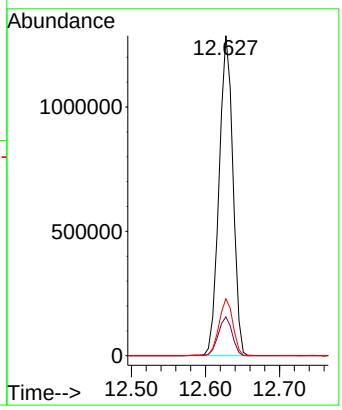
Tgt Ion:202 Resp: 167140

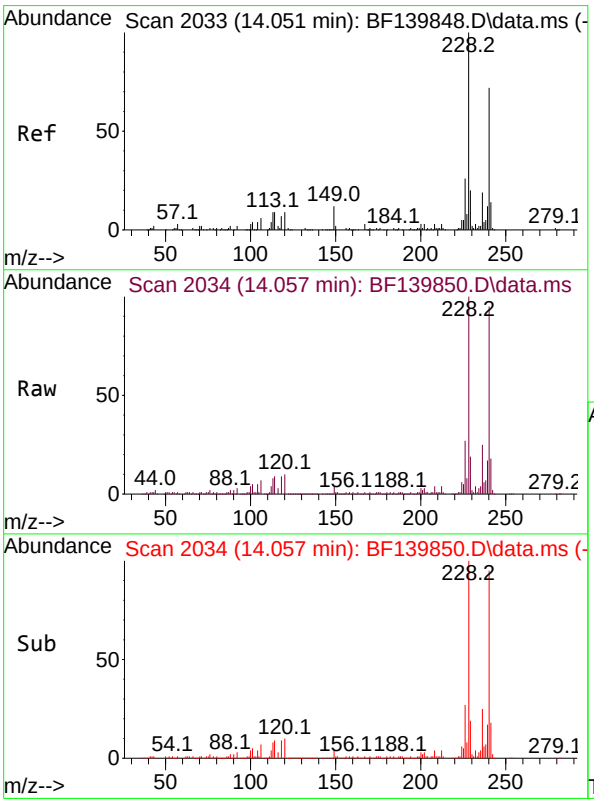
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.9
203	17.8	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

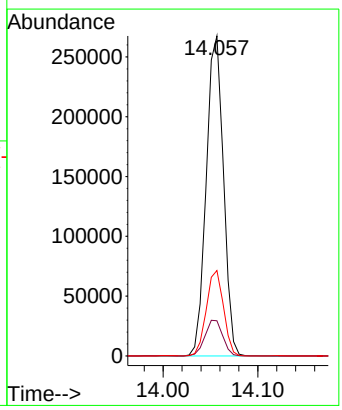


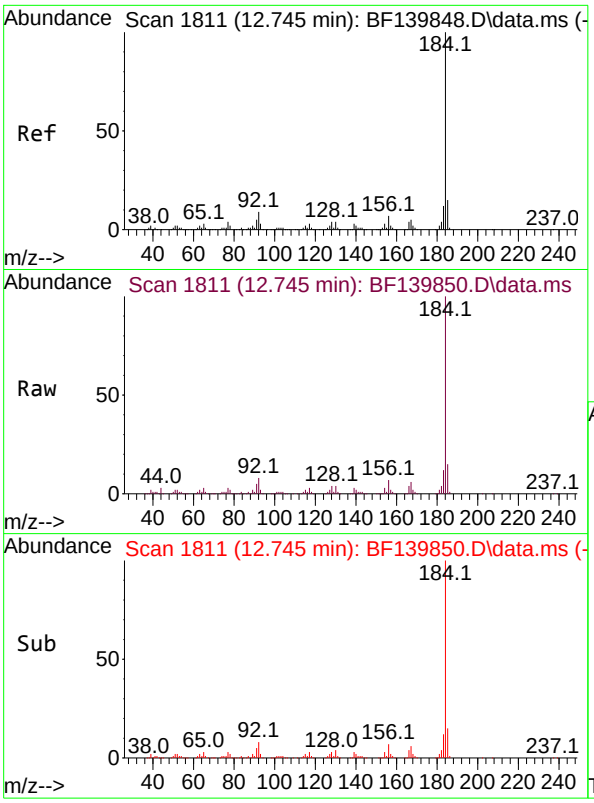


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:240 Resp: 337032

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.4	14.2
236	26.7	20.9	31.3

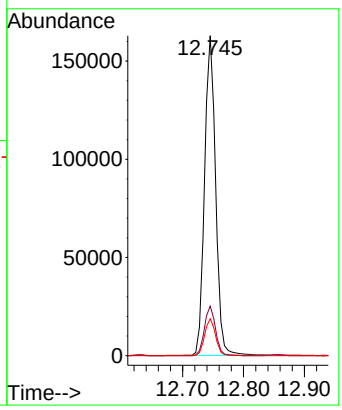




#77
Benzidine
Concen: 37.499 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:184 Resp: 20554

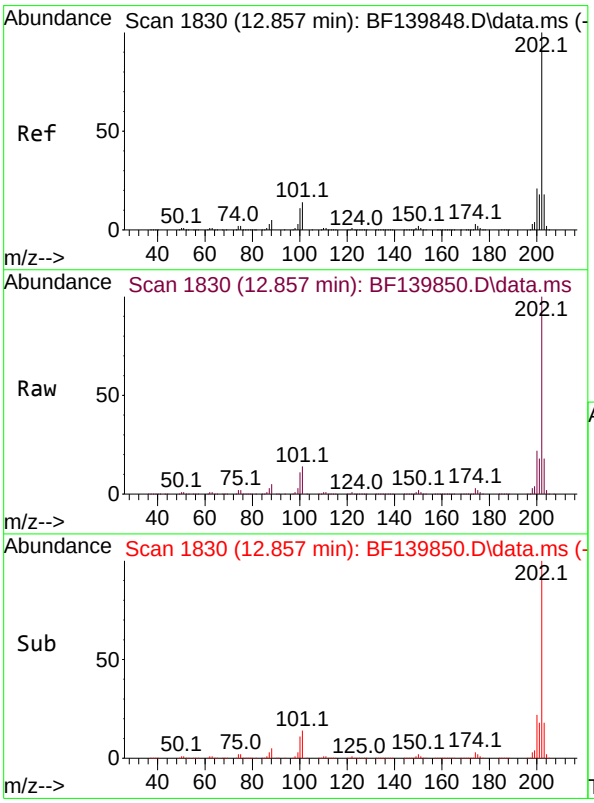
Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.0	18.0
183	11.5	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

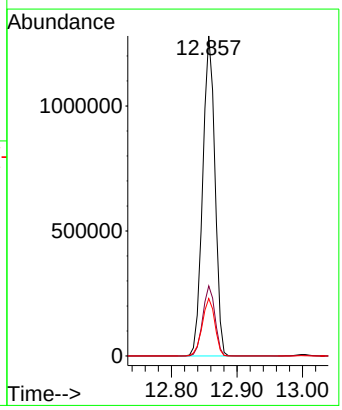
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

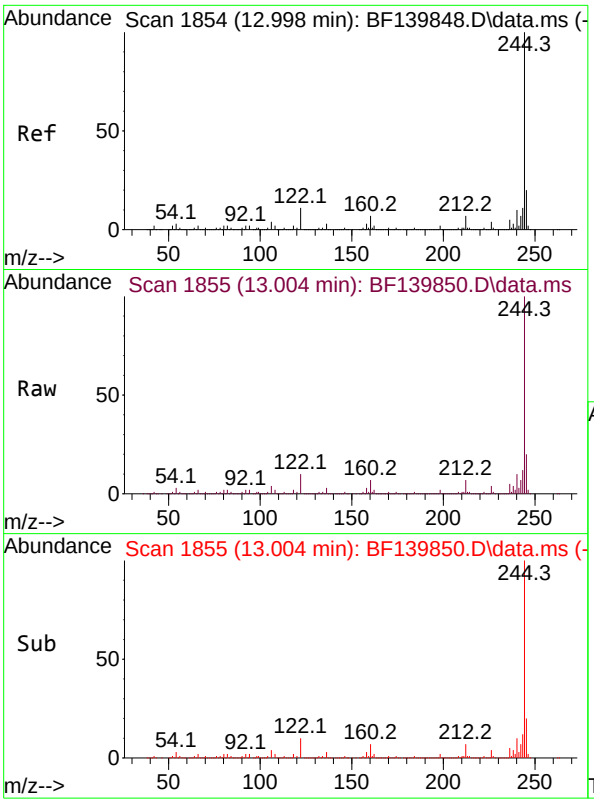


#78
Pyrene
Concen: 56.522 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:202 Resp: 1667489

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.2	25.8
203	18.0	14.2	21.4

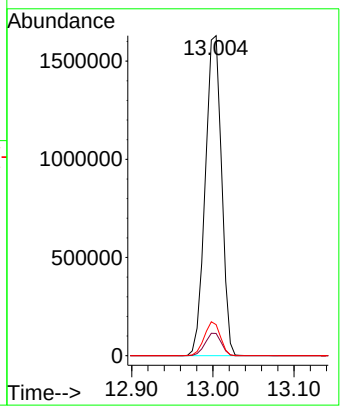




#79
Terphenyl-d14
Concen: 109.563 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:244 Resp: 226612

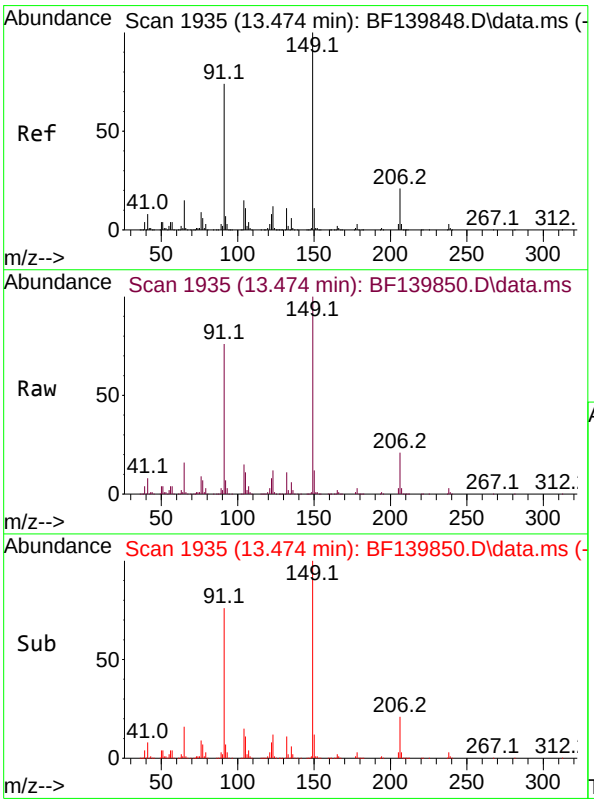
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

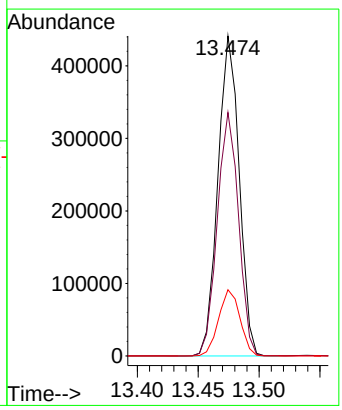
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

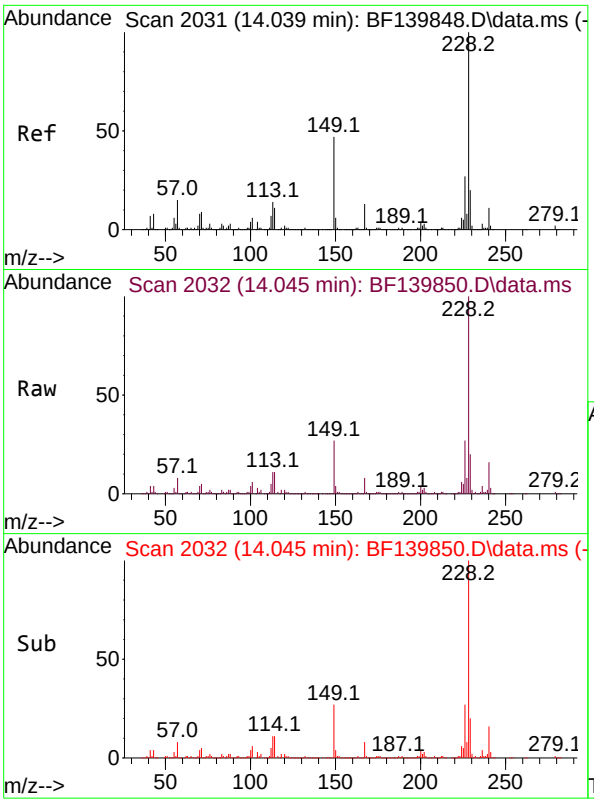


#80
Butylbenzylphthalate
Concen: 60.719 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 537039

Ion	Ratio	Lower	Upper
149	100		
91	76.1	59.4	89.2
206	20.7	16.4	24.6

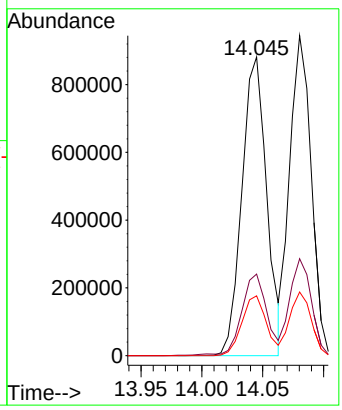




#81
Benzo(a)anthracene
Concen: 56.992 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:228 Resp: 125038

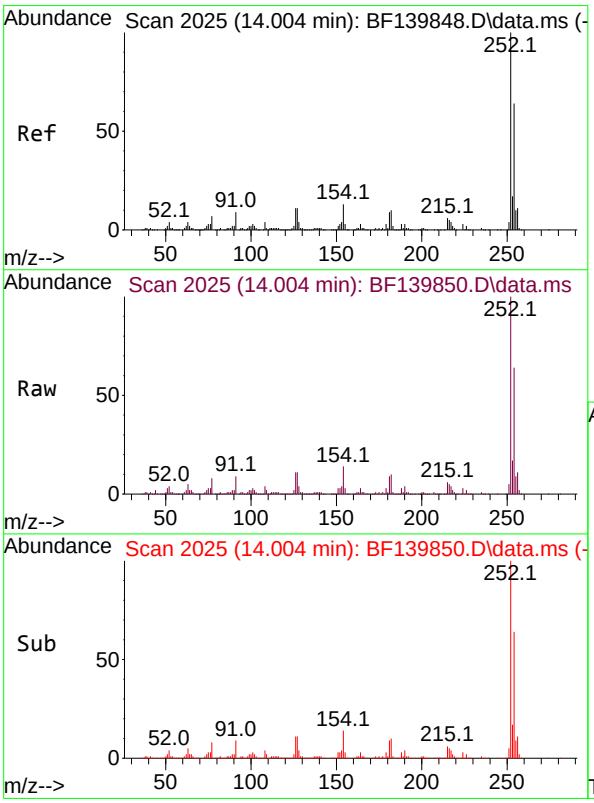
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.6	32.4
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

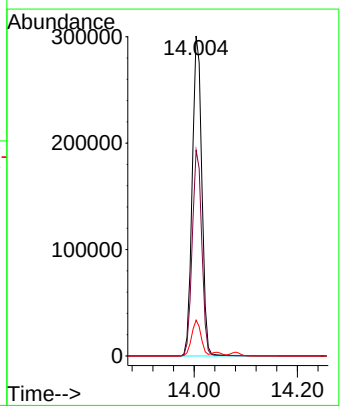
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

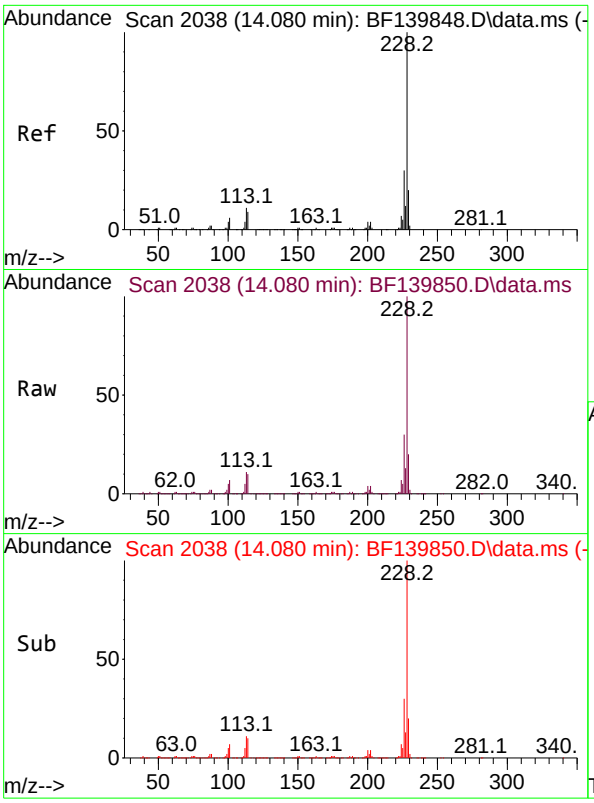


#82
3,3'-Dichlorobenzidine
Concen: 60.353 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:252 Resp: 386072

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.8	76.2
126	11.2	8.9	13.3

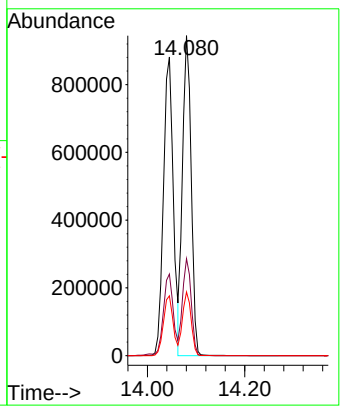




#83
Chrysene
Concen: 57.855 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:228 Resp: 116380

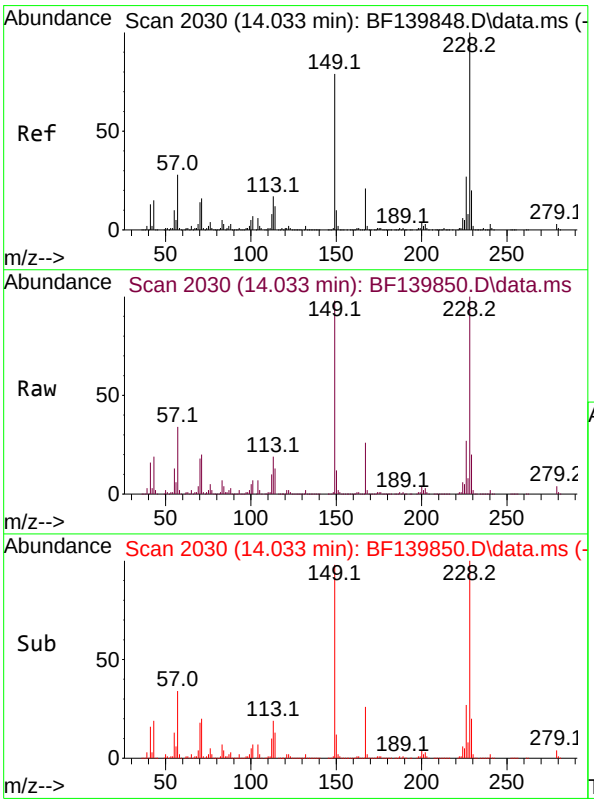
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

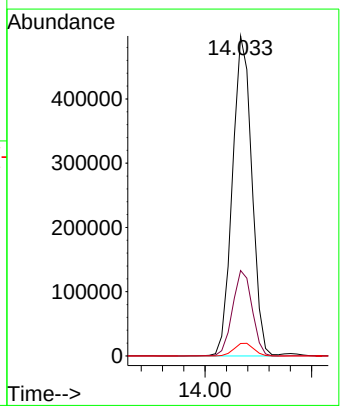
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

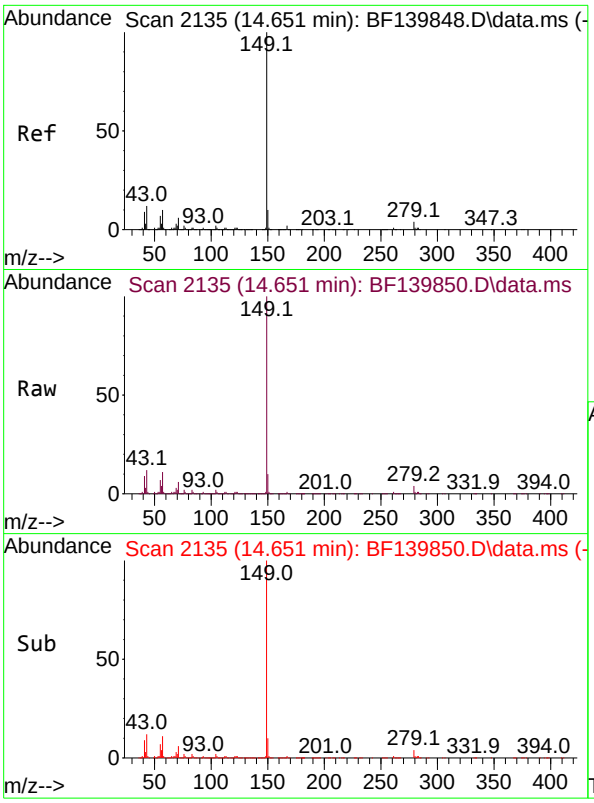


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.749 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 632594

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	3.9	3.0	4.4

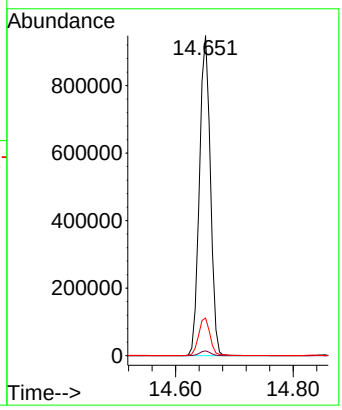




#85
Di-n-octyl phthalate
Concen: 67.634 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:149 Resp: 122073

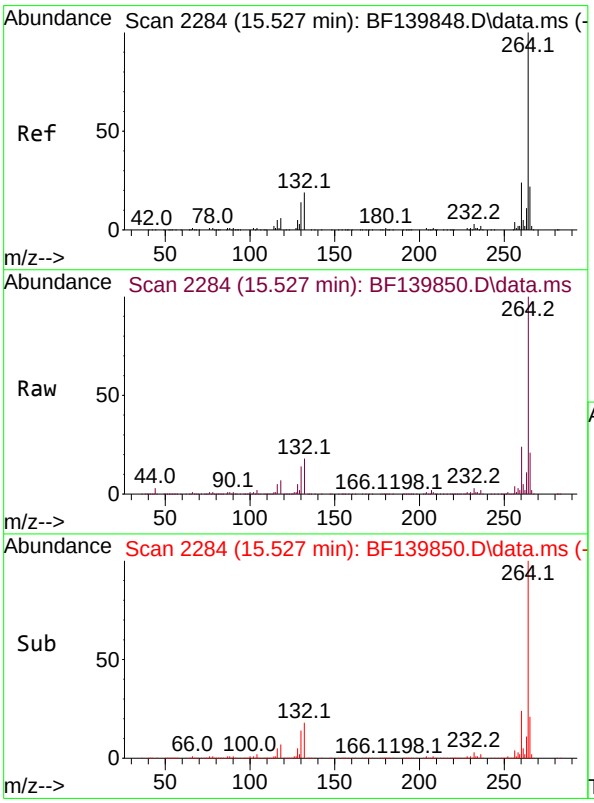
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

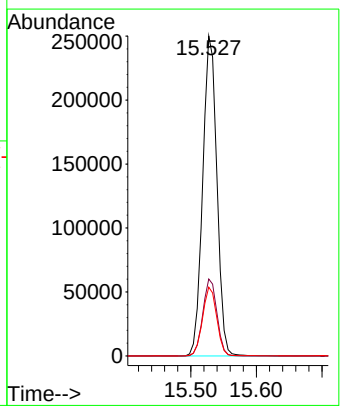
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

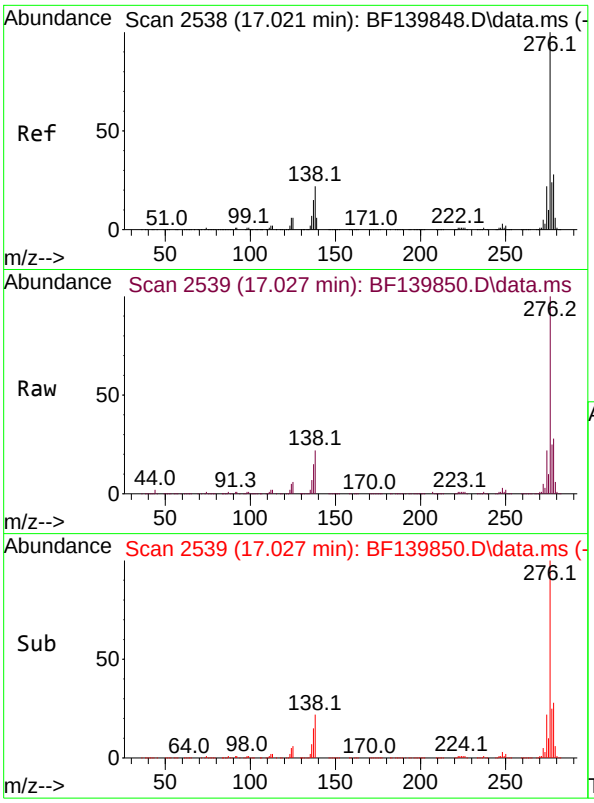


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:264 Resp: 377203

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.5	17.4	26.0

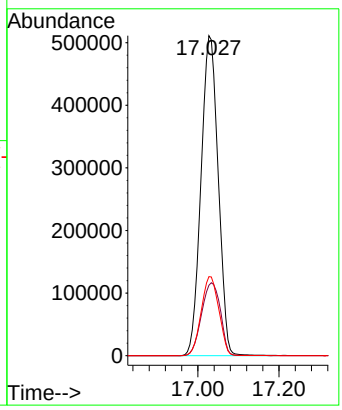




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.817 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:276 Resp: 150008

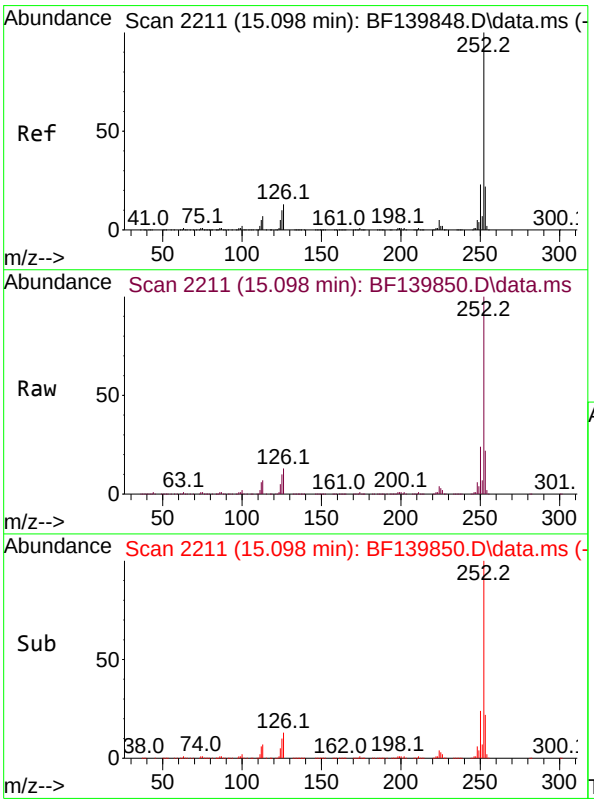
Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.4	30.6
277	25.4	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

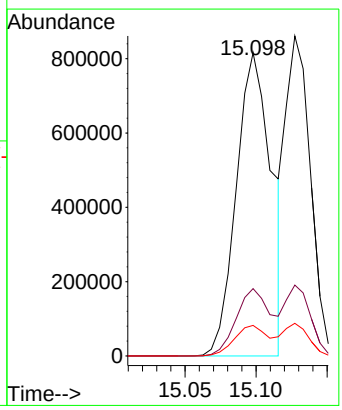
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

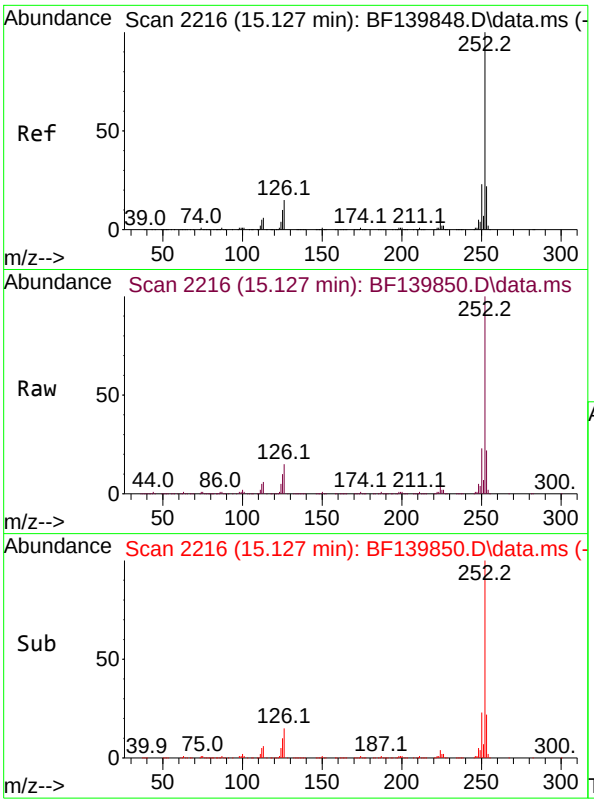


#88
Benzo(b)fluoranthene
Concen: 61.033 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:252 Resp: 1402395

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.1	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 53.053 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

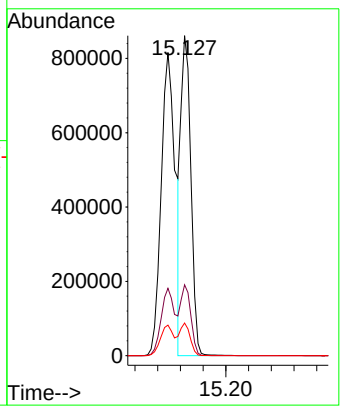
Tgt Ion:252 Resp: 105130

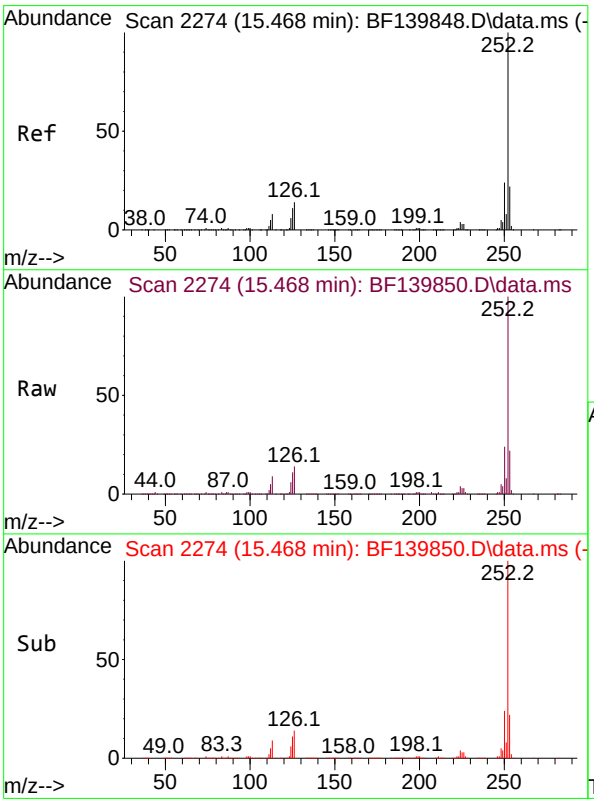
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.2	7.9	11.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

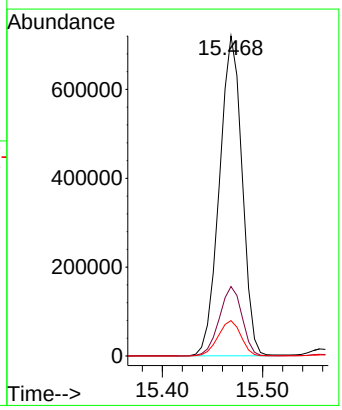


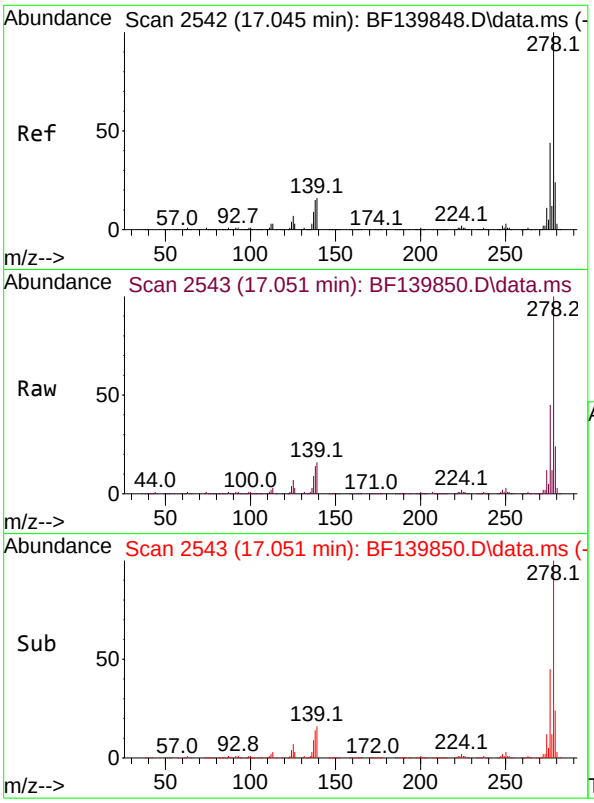


#90
Benzo(a)pyrene
Concen: 59.764 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:252 Resp: 1129942

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	11.0	8.7	13.1

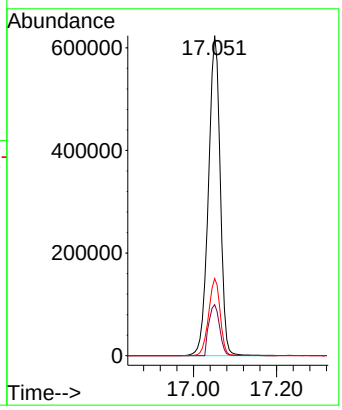




#91
Dibenzo(a,h)anthracene
Concen: 60.667 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:278 Resp: 122812

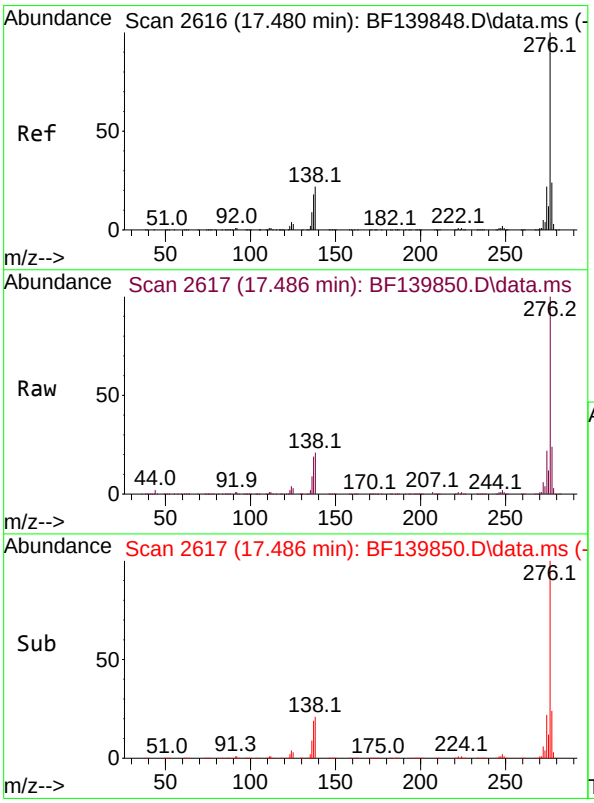
Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.1	19.7
279	24.1	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

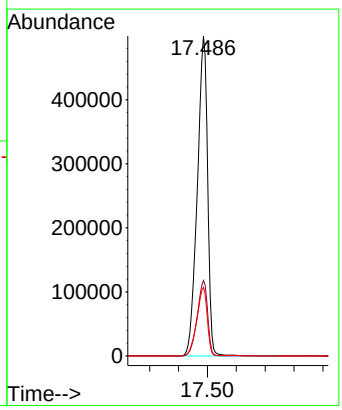
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 61.272 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139850.D
Acq: 18 Oct 2024 13:17

Tgt Ion:276 Resp: 1238955

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	21.4	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139851.D
Acq On : 18 Oct 2024 13:46
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	187399	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	693285	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	377723	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	633721	20.000	ng		0.00
76) Chrysene-d12	14.057	240	323513	20.000	ng		0.00
86) Perylene-d12	15.533	264	374491	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	1657822	138.491	ng		0.00
7) Phenol-d6	6.522	99	2147173	138.492	ng		0.01
23) Nitrobenzene-d5	7.463	82	1897374	151.683	ng		0.01
42) 2,4,6-Tribromophenol	10.722	330	522350	147.845	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	2941186	128.689	ng		0.00
79) Terphenyl-d14	13.004	244	2634676	132.704	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	410806	73.604	ng		99
3) Pyridine	3.452	79	993777	71.834	ng		99
4) n-Nitrosodimethylamine	3.422	42	567647	76.370	ng		98
6) Aniline	6.598	93	992375m	68.680	ng		
8) 2-Chlorophenol	6.681	128	836233	68.333	ng		98
9) Benzaldehyde	6.445	77	554983	63.632	ng		99
10) Phenol	6.534	94	1125558	69.172	ng		95
11) bis(2-Chloroethyl)ether	6.634	93	886786	71.780	ng		99
12) 1,3-Dichlorobenzene	6.834	146	969627	69.024	ng		98
13) 1,4-Dichlorobenzene	6.910	146	968088	68.978	ng		99
14) 1,2-Dichlorobenzene	7.069	146	861333	65.758	ng		99
15) Benzyl Alcohol	7.034	79	803101	70.616	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1472196	69.886	ng		99
17) 2-Methylphenol	7.140	107	752459	72.109	ng		99
18) Hexachloroethane	7.410	117	357637	71.459	ng		97
19) n-Nitroso-di-n-propyla...	7.316	70	651048	69.238	ng		99
20) 3+4-Methylphenols	7.298	107	878987	65.856	ng	#	85
22) Acetophenone	7.310	105	1149288	67.682	ng		98
24) Nitrobenzene	7.481	77	1025571	74.779	ng		99
25) Isophorone	7.722	82	1767234	74.436	ng		100
26) 2-Nitrophenol	7.792	139	434755	84.029	ng		99
27) 2,4-Dimethylphenol	7.822	122	619136	71.765	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	1022457	71.081	ng		100
29) 2,4-Dichlorophenol	8.028	162	711892	72.445	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	774108	71.194	ng		99
31) Naphthalene	8.198	128	2427578	67.894	ng		99
32) Benzoic acid	7.963	122	651887	86.634	ng		99
33) 4-Chloroaniline	8.251	127	849601	69.684	ng		99
34) Hexachlorobutadiene	8.316	225	490203	71.753	ng		99
35) Caprolactam	8.634	113	239184	76.550	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	794640	73.031	ng		99
37) 2-Methylnaphthalene	8.886	142	1487841	67.944	ng		100
38) 1-Methylnaphthalene	8.986	142	1457890	67.858	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	712936	69.962	ng		100
41) Hexachlorocyclopentadiene	9.039	237	256007	72.201	ng		100
43) 2,4,6-Trichlorophenol	9.163	196	535533	74.228	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139851.D
Acq On : 18 Oct 2024 13:46
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 14:21:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	542663	72.904	ng		99
46) 1,1'-Biphenyl	9.357	154	1753952	66.703	ng		99
47) 2-Chloronaphthalene	9.381	162	1470012	69.411	ng		99
48) 2-Nitroaniline	9.469	65	527552	81.447	ng		99
49) Acenaphthylene	9.792	152	2106357	68.796	ng		99
50) Dimethylphthalate	9.657	163	1676969	71.277	ng		99
51) 2,6-Dinitrotoluene	9.716	165	393234	77.193	ng		99
52) Acenaphthene	9.969	154	1378724	69.610	ng		99
53) 3-Nitroaniline	9.886	138	387157	73.697	ng		96
54) 2,4-Dinitrophenol	9.986	184	169167	79.932	ng	#	1
55) Dibenzofuran	10.139	168	1930402	67.930	ng		99
56) 4-Nitrophenol	10.033	139	314170	77.732	ng		99
57) 2,4-Dinitrotoluene	10.116	165	510703	81.523	ng		97
58) Fluorene	10.480	166	1426794	65.920	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	424598	72.764	ng		99
60) Diethylphthalate	10.357	149	1631842	70.641	ng		100
61) 4-Chlorophenyl-phenyle...	10.475	204	730565	66.837	ng		100
62) 4-Nitroaniline	10.504	138	383383	77.270	ng		98
63) Azobenzene	10.633	77	1727533	70.539	ng		99
65) 4,6-Dinitro-2-methylph...	10.528	198	235323	91.037	ng		98
66) n-Nitrosodiphenylamine	10.592	169	1350839	71.220	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	477995	73.216	ng		99
68) Hexachlorobenzene	11.028	284	536511	73.070	ng		98
69) Atrazine	11.116	200	382294	74.406	ng		99
70) Pentachlorophenol	11.216	266	354105	79.464	ng		99
71) Phenanthrene	11.445	178	2045577	68.336	ng		100
72) Anthracene	11.492	178	1995750	68.333	ng		99
73) Carbazole	11.645	167	1818340	66.943	ng		99
74) Di-n-butylphthalate	11.980	149	2153517	68.623	ng		100
75) Fluoranthene	12.627	202	1955847	64.632	ng		99
77) Benzidine	12.745	184	318678	60.567	ng		99
78) Pyrene	12.857	202	1935829	68.360	ng		99
80) Butylbenzylphthalate	13.474	149	664532	78.274	ng		98
81) Benzo(a)anthracene	14.045	228	1512920	71.840	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	496976	80.937	ng		98
83) Chrysene	14.080	228	1424522	73.774	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	794387	83.399	ng		99
85) Di-n-octyl phthalate	14.651	149	1534331	88.561	ng		100
87) Indeno(1,2,3-cd)pyrene	17.033	276	1877616	77.935	ng		99
88) Benzo(b)fluoranthene	15.098	252	1664856	72.980	ng		99
89) Benzo(k)fluoranthene	15.133	252	1419158	72.134	ng		99
90) Benzo(a)pyrene	15.474	252	1419026	75.598	ng		100
91) Dibenzo(a,h)anthracene	17.057	278	1552091	77.226	ng		99
92) Benzo(g,h,i)perylene	17.492	276	1550622	77.240	ng		100

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

ICAL Form

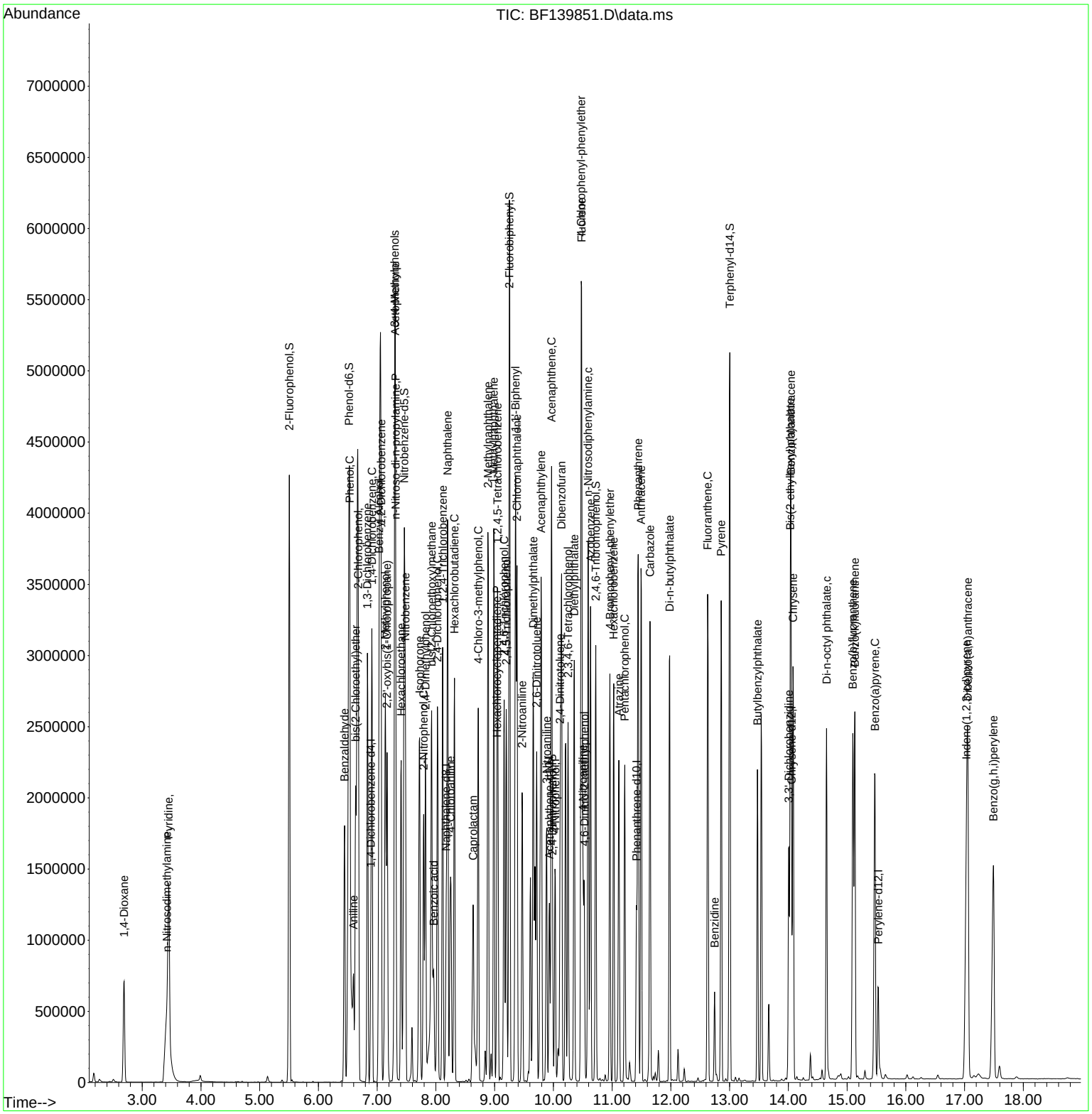
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Data File : BF139851.D
Acq On : 18 Oct 2024 13:46
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

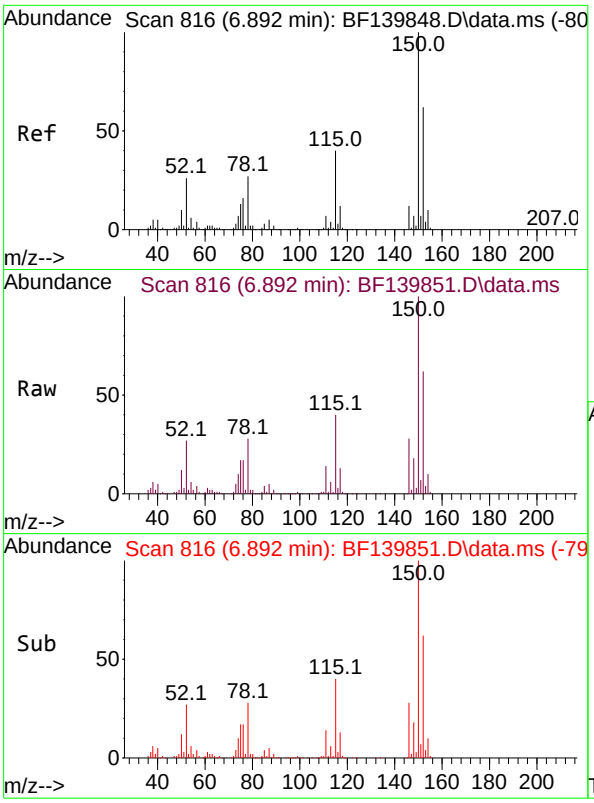
Quant Time: Oct 18 14:21:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 14:11:20 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

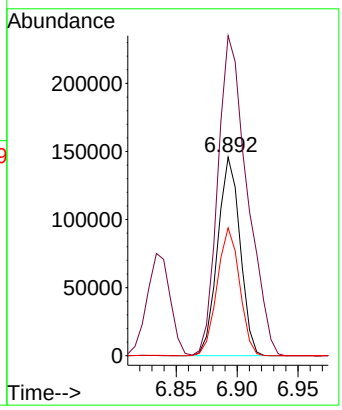




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:152 Resp: 18739

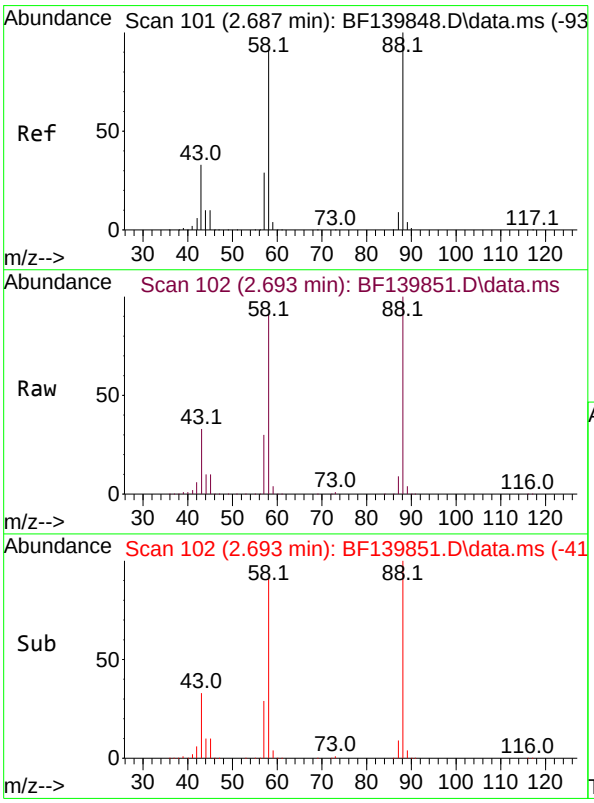
Ion	Ratio	Lower	Upper
152	100		
150	161.2	130.2	195.2
115	64.4	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

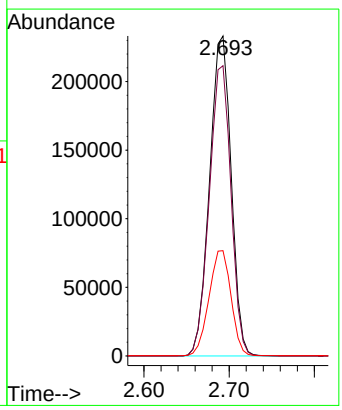
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

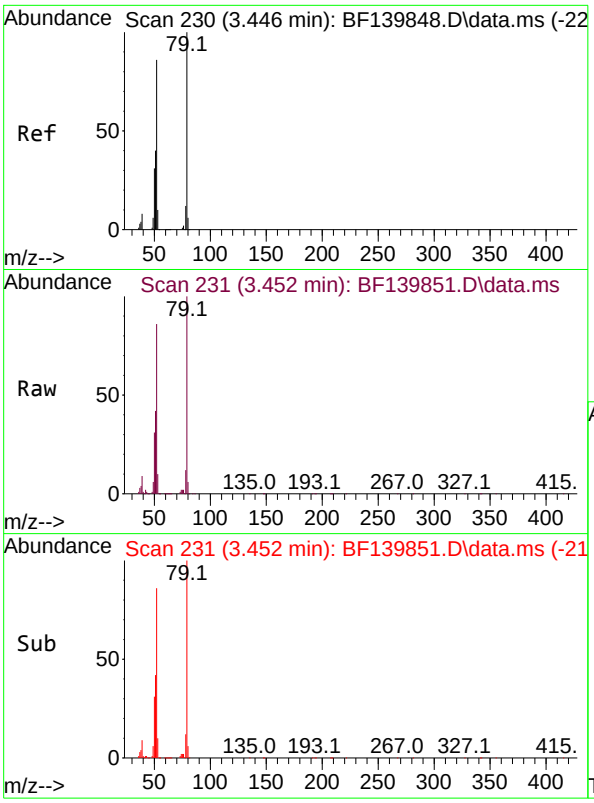


#2
1,4-Dioxane
Concen: 73.604 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 88 Resp: 410806

Ion	Ratio	Lower	Upper
88	100		
58	91.2	73.3	109.9
43	33.5	27.1	40.7

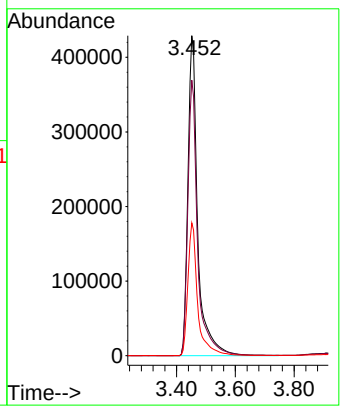




#3
Pyridine
Concen: 71.834 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 79 Resp: 99377

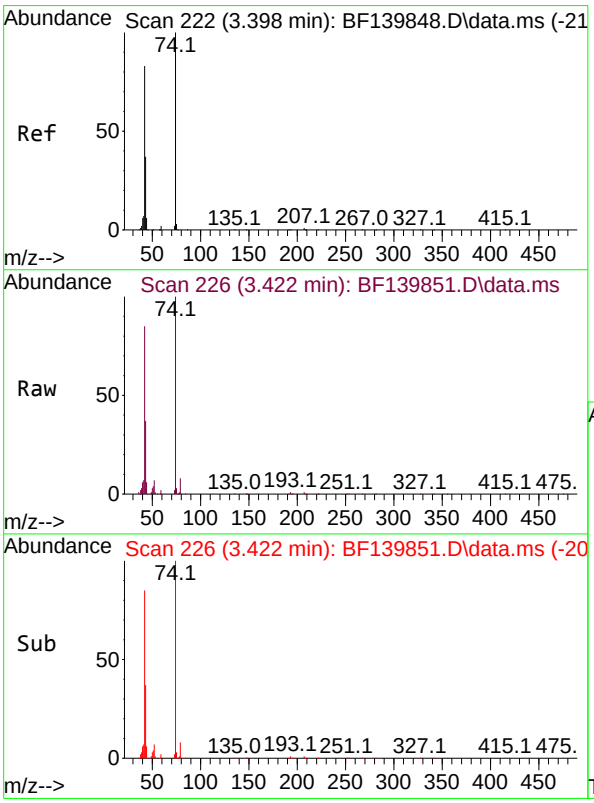
Ion	Ratio	Lower	Upper
79	100		
52	86.1	68.5	102.7
51	41.5	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

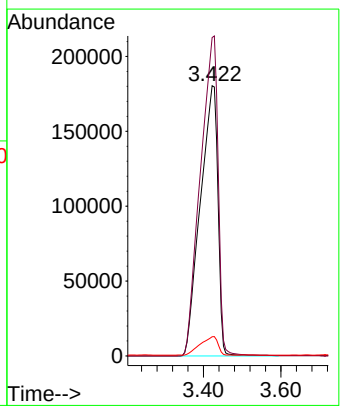
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

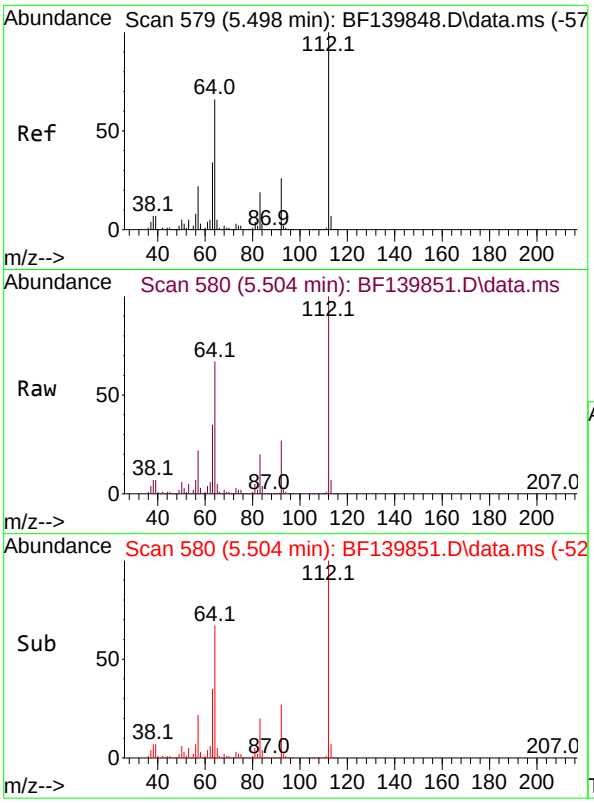


#4
n-Nitrosodimethylamine
Concen: 76.370 ng
RT: 3.422 min Scan# 226
Delta R.T. 0.024 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 42 Resp: 567647

Ion	Ratio	Lower	Upper
42	100		
74	117.8	96.2	144.4
44	7.1	6.2	9.2





#5
2-Fluorophenol
Concen: 138.491 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

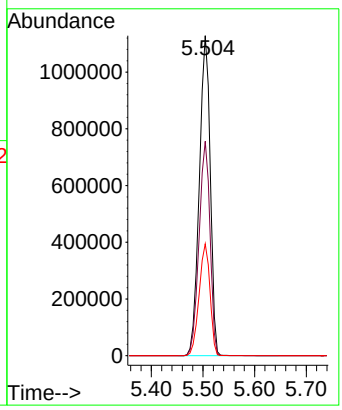
Tgt Ion:112 Resp: 165782

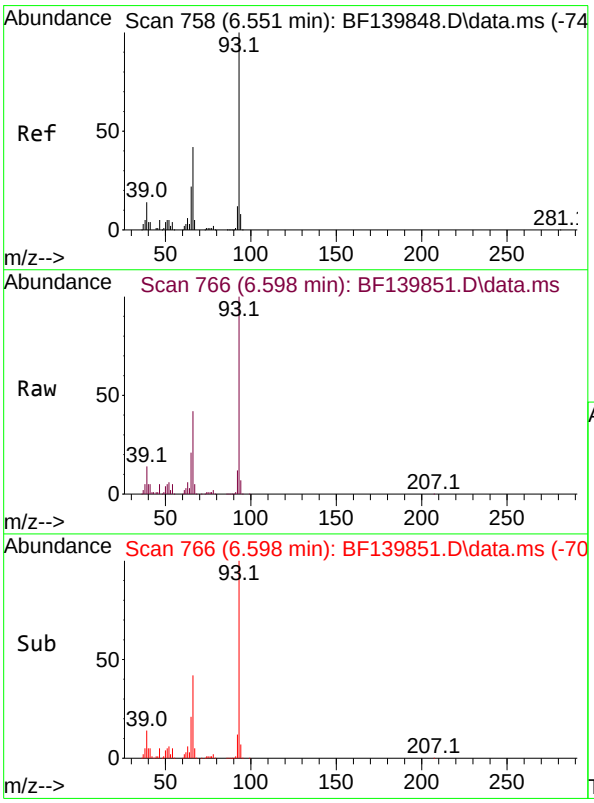
Ion	Ratio	Lower	Upper
112	100		
64	67.0	53.0	79.6
63	35.0	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

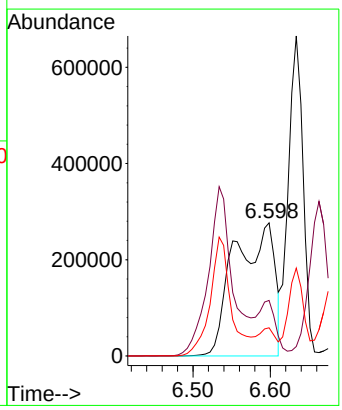


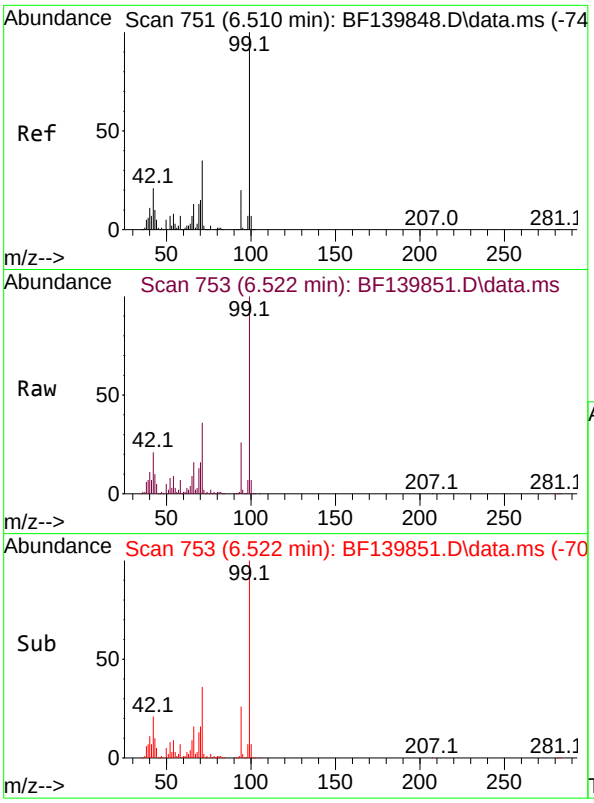


#6
Aniline
Concen: 68.680 ng m
RT: 6.598 min Scan# 766
Delta R.T. 0.047 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 93 Resp: 992375

Ion	Ratio	Lower	Upper
93	100		
66	41.8	34.0	51.0
65	21.1	17.4	26.0

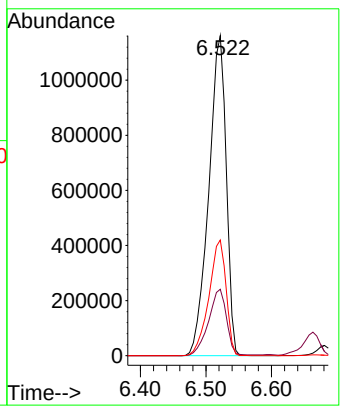




#7
Phenol-d6
Concen: 138.492 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 99 Resp: 214717

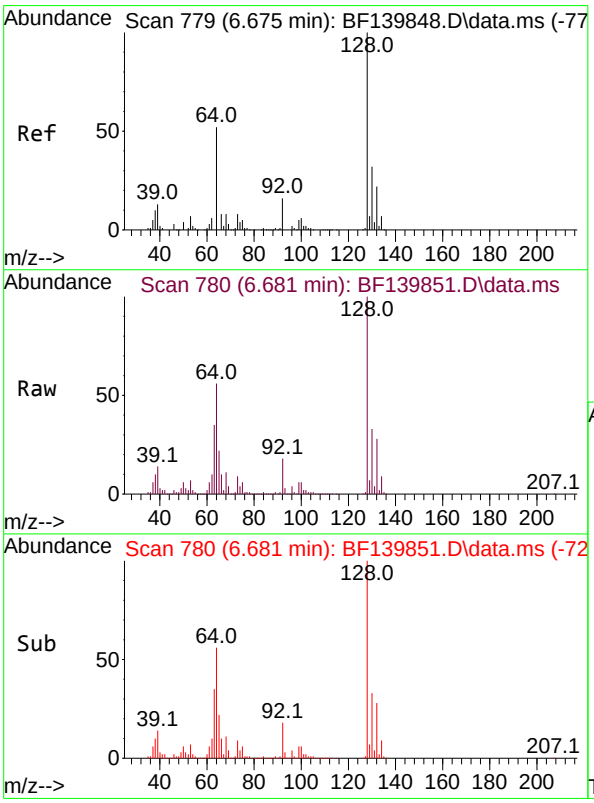
Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.7	25.1
71	36.1	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

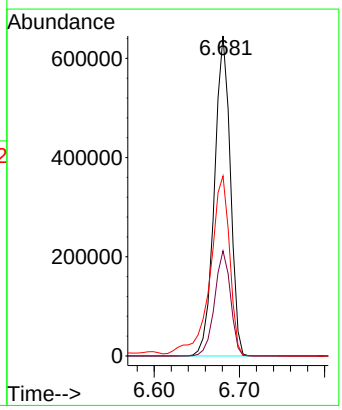
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

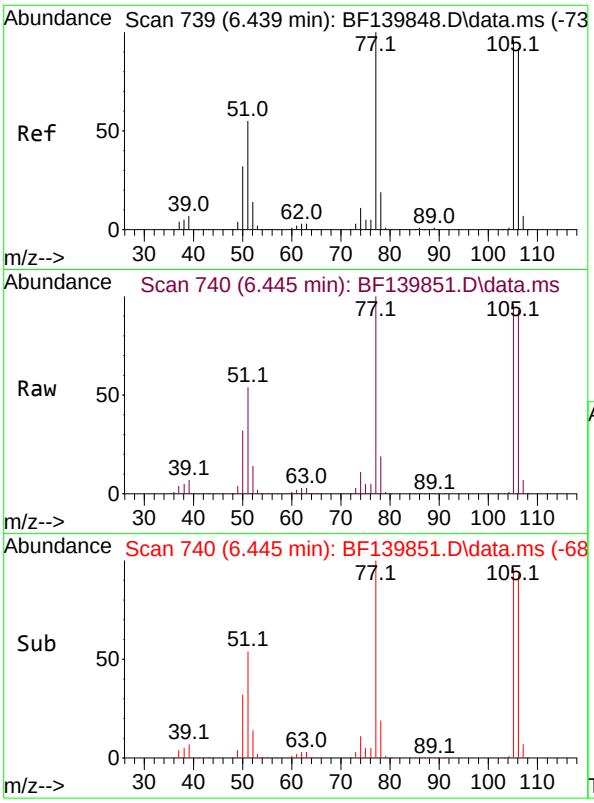


#8
2-Chlorophenol
Concen: 68.333 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:128 Resp: 836233

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	56.2	34.6	74.6

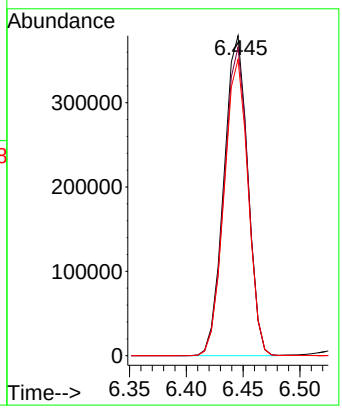




#9
Benzaldehyde
Concen: 63.632 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 77 Resp: 55498

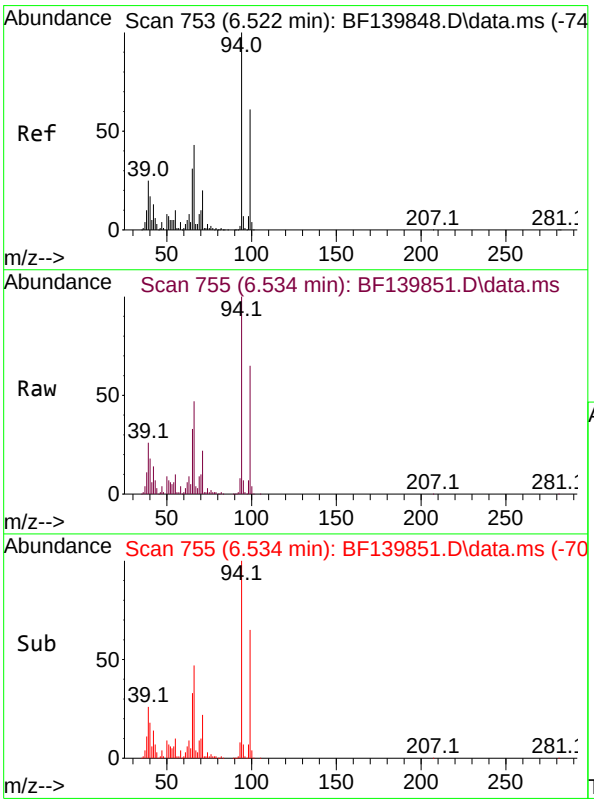
Ion	Ratio	Lower	Upper
77	100		
105	96.4	75.5	115.5
106	92.6	71.7	111.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

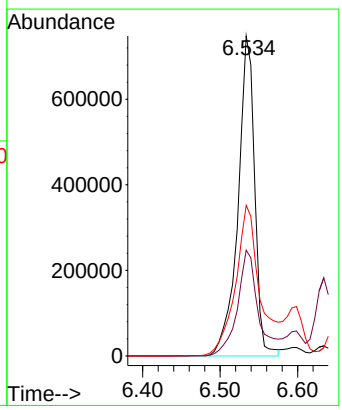
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

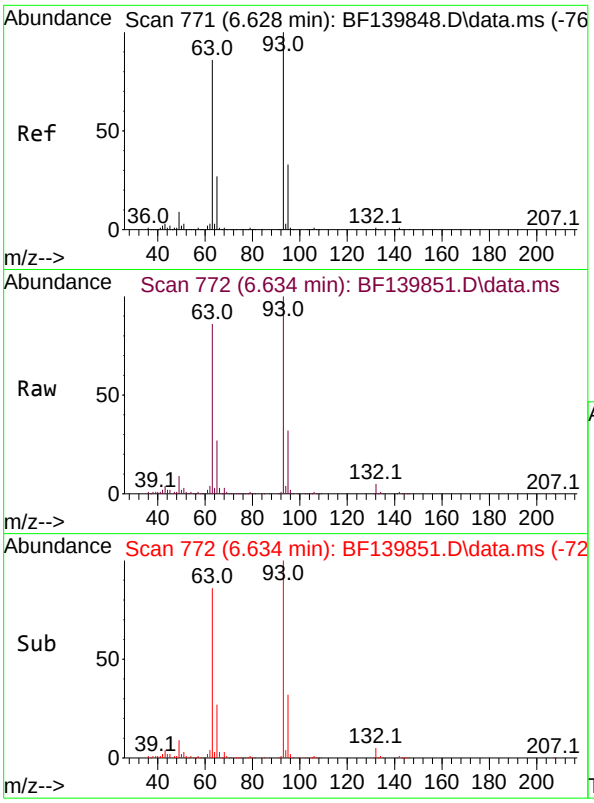


#10
Phenol
Concen: 69.172 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 94 Resp: 1125558

Ion	Ratio	Lower	Upper
94	100		
65	33.1	11.1	51.1
66	47.1	22.7	62.7

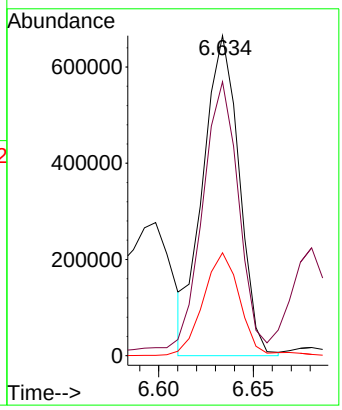




#11
bis(2-Chloroethyl)ether
Concen: 71.780 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 93 Resp: 88678

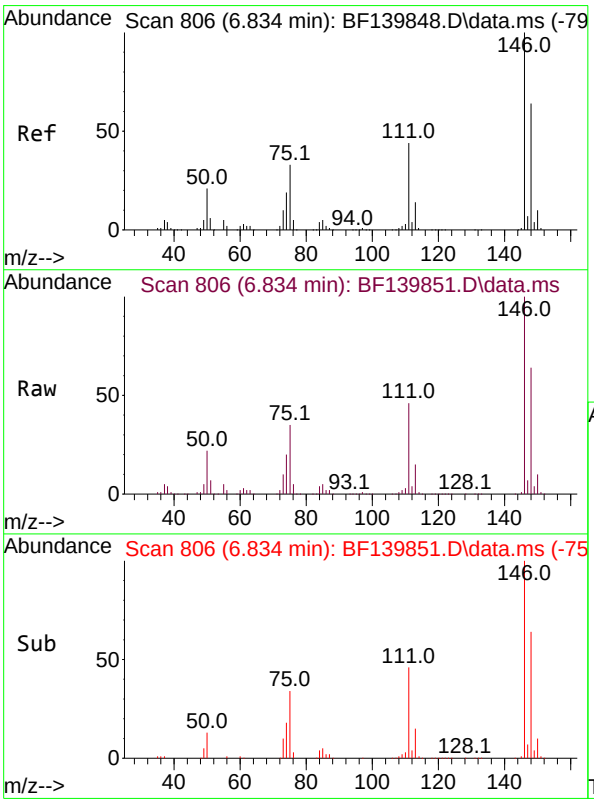
Ion	Ratio	Lower	Upper
93	100		
63	85.6	65.0	105.0
95	32.2	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

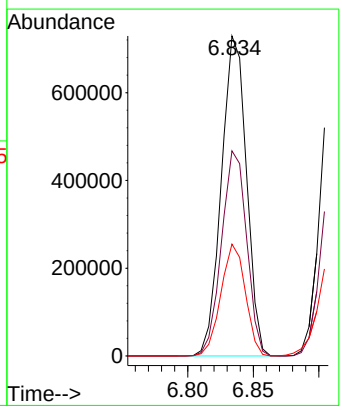
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

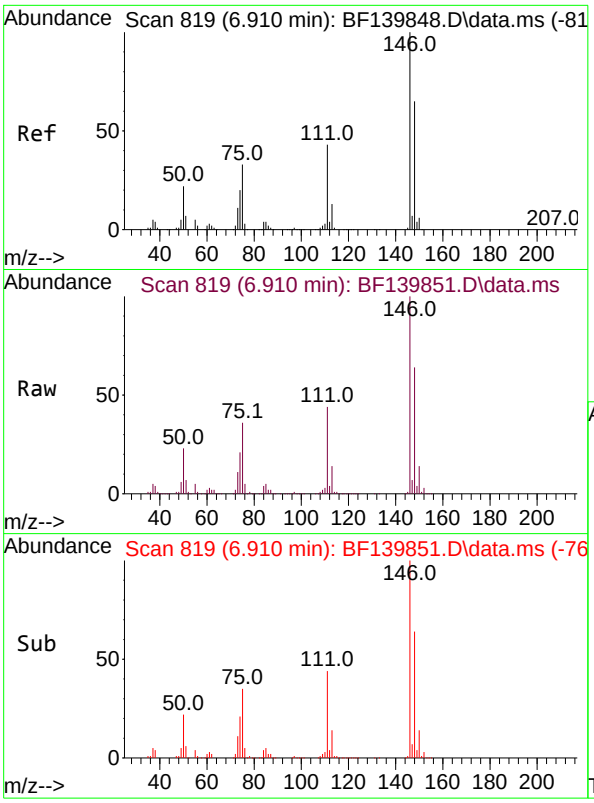


#12
1,3-Dichlorobenzene
Concen: 69.024 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:146 Resp: 969627

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	35.0	26.4	39.6

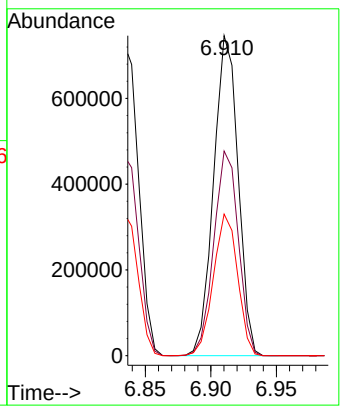




#13
1,4-Dichlorobenzene
Concen: 68.978 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:146 Resp: 96808

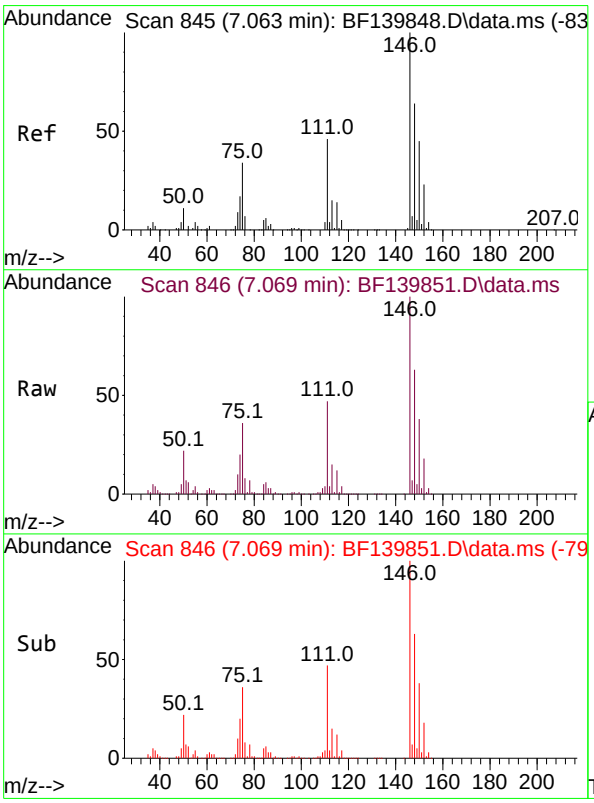
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.8
111	44.3	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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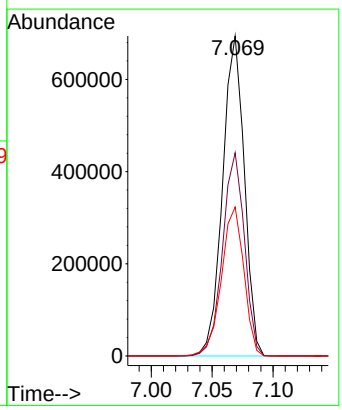
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

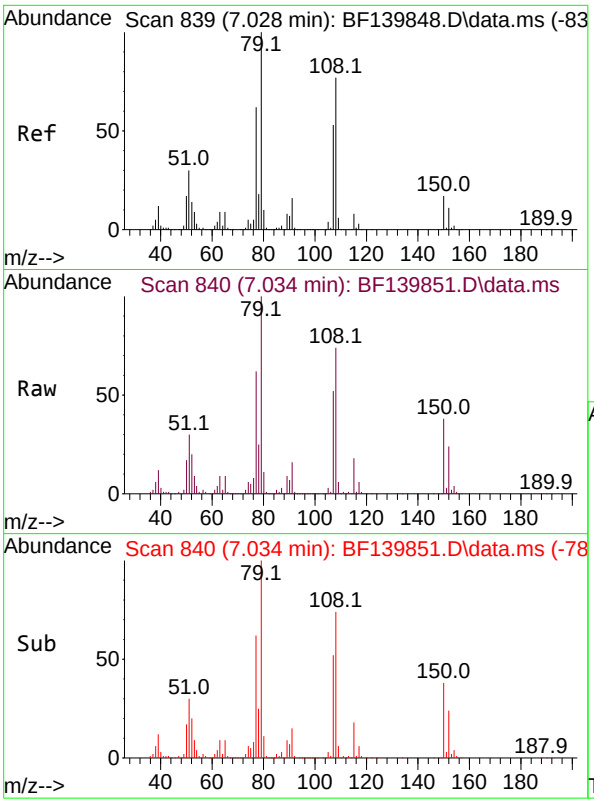


#14
1,2-Dichlorobenzene
Concen: 65.758 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:146 Resp: 861333

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.2
111	46.5	36.7	55.1





#15
Benzyl Alcohol
Concen: 70.616 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

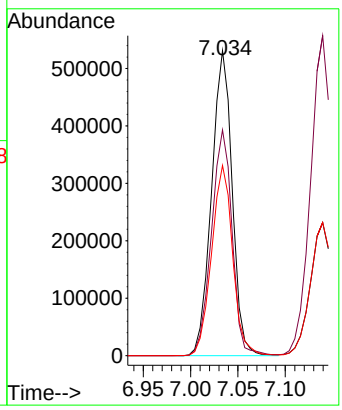
Tgt Ion: 79 Resp: 80310

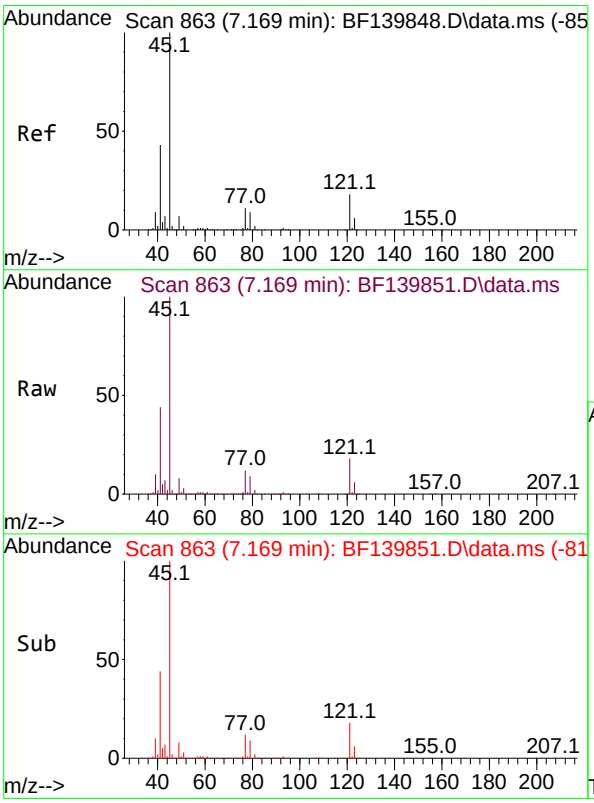
Ion	Ratio	Lower	Upper
79	100		
108	74.0	61.4	92.0
77	62.3	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

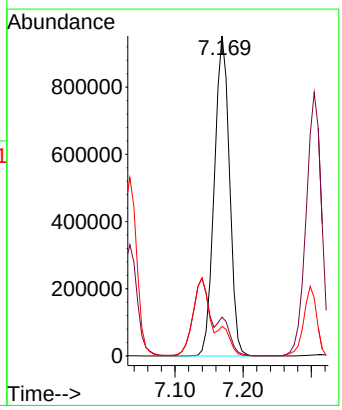


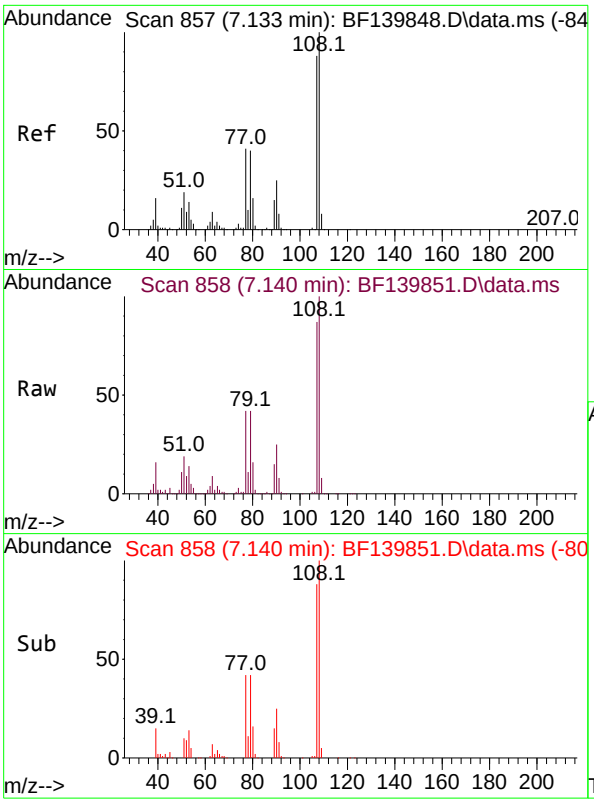


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.886 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 45 Resp: 1472196

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	31.5
79	9.2	0.0	29.1

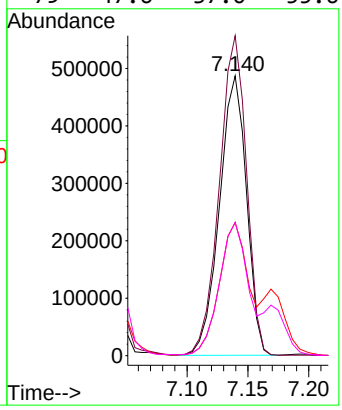




#17
2-Methylphenol
Concen: 72.109 ng
RT: 7.140 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:107 Resp: 75245

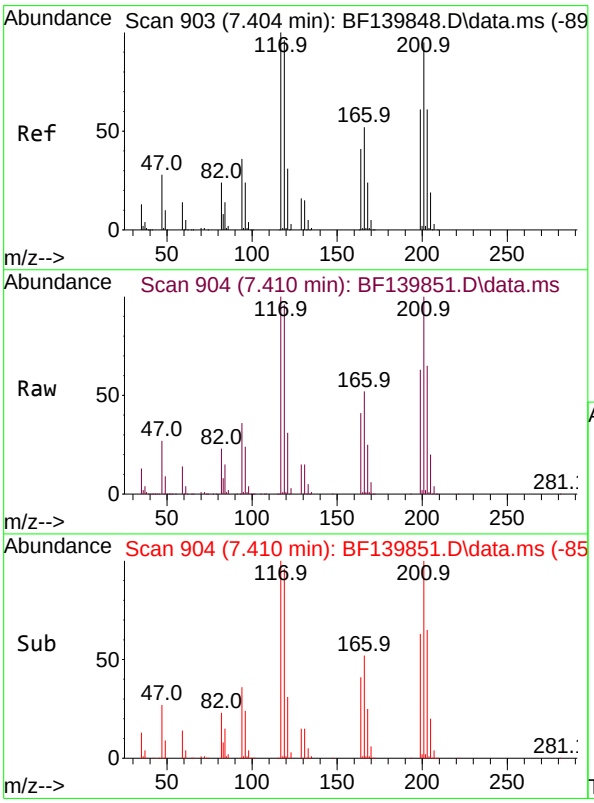
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.3	136.9
77	47.6	37.1	55.7
79	47.6	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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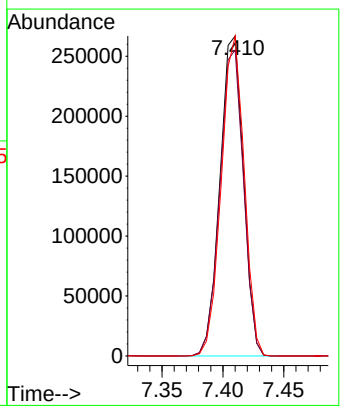
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

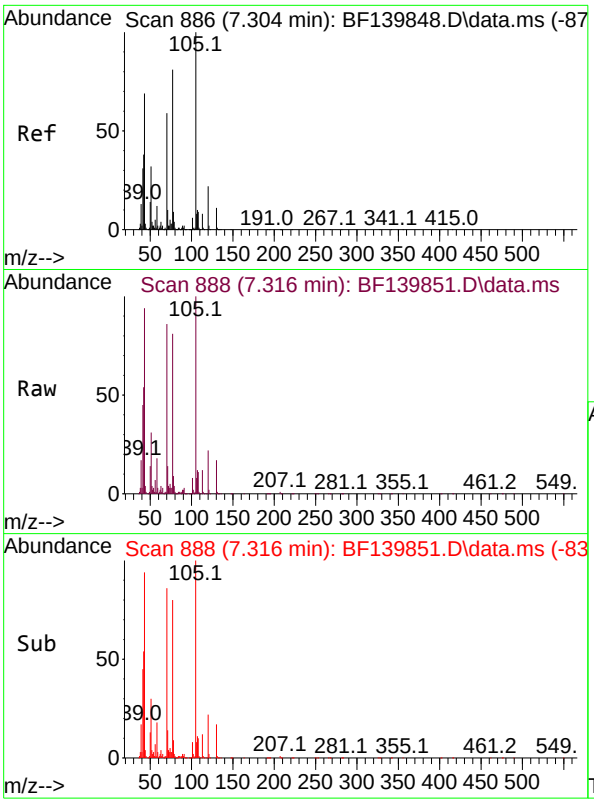


#18
Hexachloroethane
Concen: 71.459 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:117 Resp: 357637

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	99.9	76.2	114.4

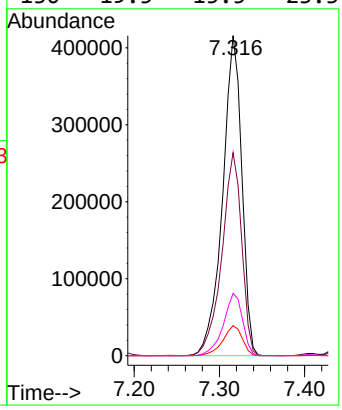




#19
n-Nitroso-di-n-propylamine
Concen: 69.238 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 70 Resp: 65104

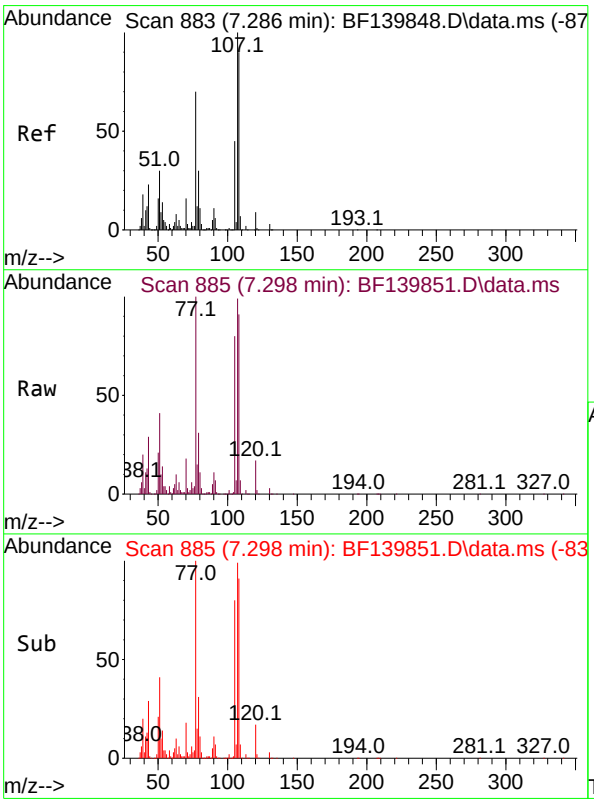
Ion	Ratio	Lower	Upper
70	100		
42	63.4	51.5	77.3
101	9.4	7.5	11.3
130	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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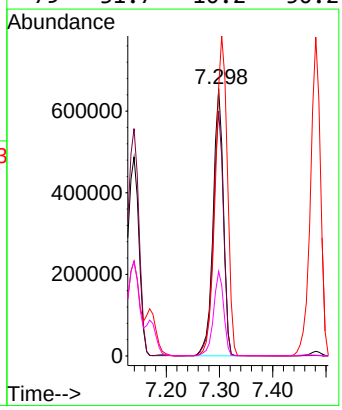
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

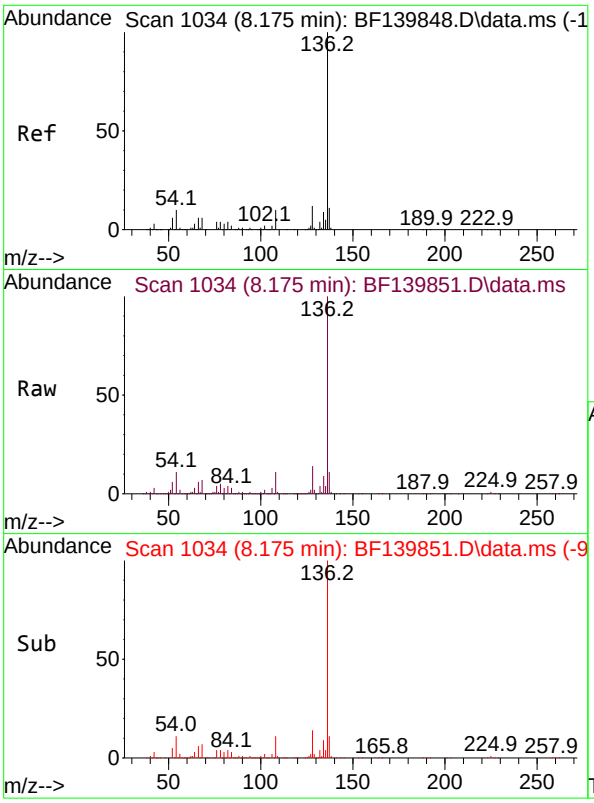


#20
3+4-Methylphenols
Concen: 65.856 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:107 Resp: 878987

Ion	Ratio	Lower	Upper
107	100		
108	91.7	69.8	109.8
77	100.5	50.5	90.5#
79	31.7	10.2	50.2

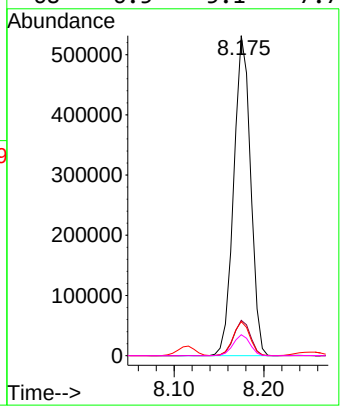




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:136 Resp: 69328

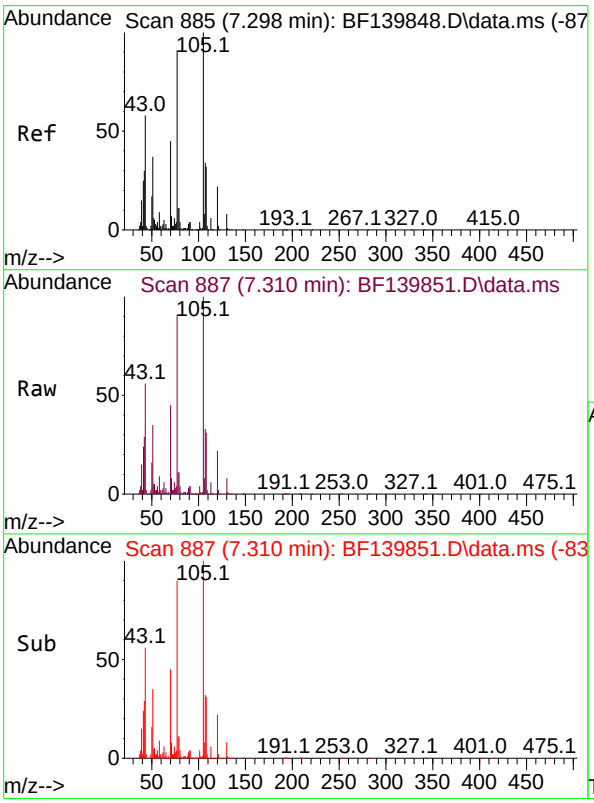
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.6	8.4	12.6
68	6.5	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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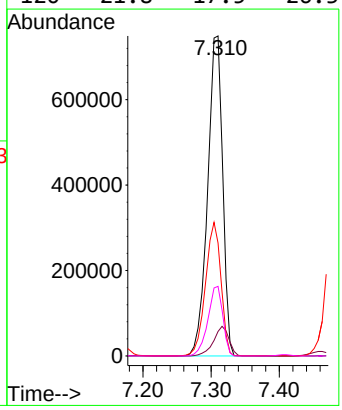
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

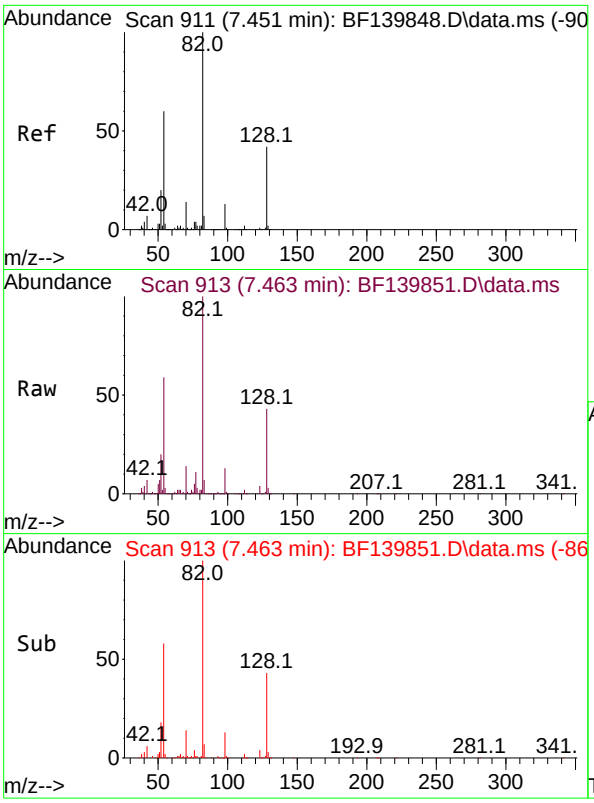


#22
Acetophenone
Concen: 67.682 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:105 Resp: 1149288

Ion	Ratio	Lower	Upper
105	100		
71	7.6	5.9	8.9
51	35.3	29.4	44.2
120	21.8	17.5	26.3





#23
Nitrobenzene-d5
Concen: 151.683 ng
RT: 7.463 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

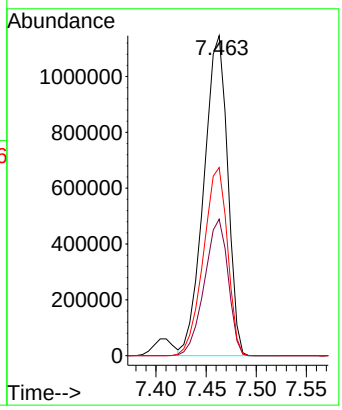
Tgt Ion: 82 Resp: 189737

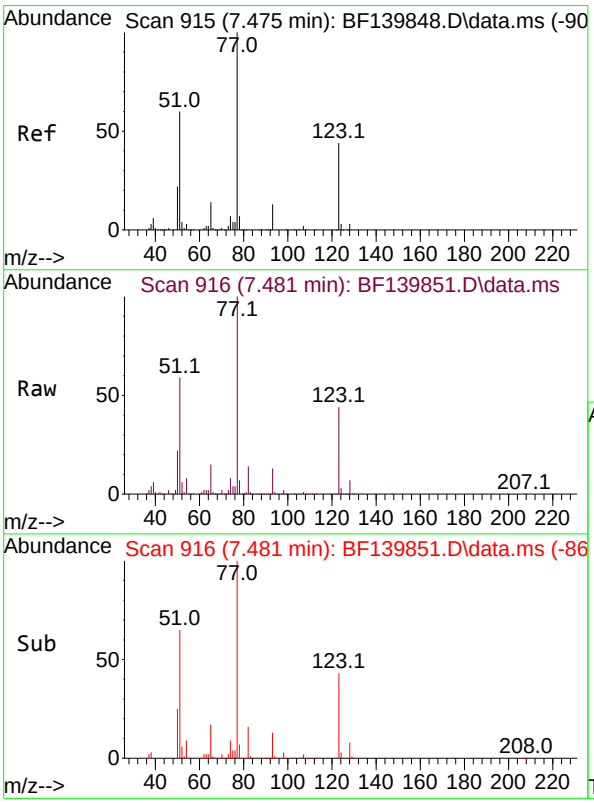
Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.4	50.0
54	58.8	47.8	71.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

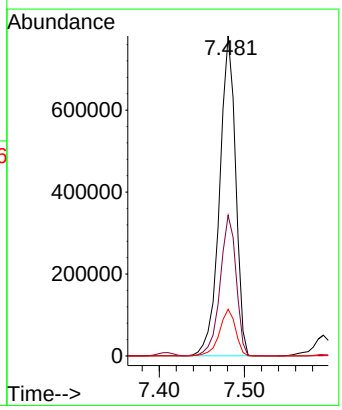


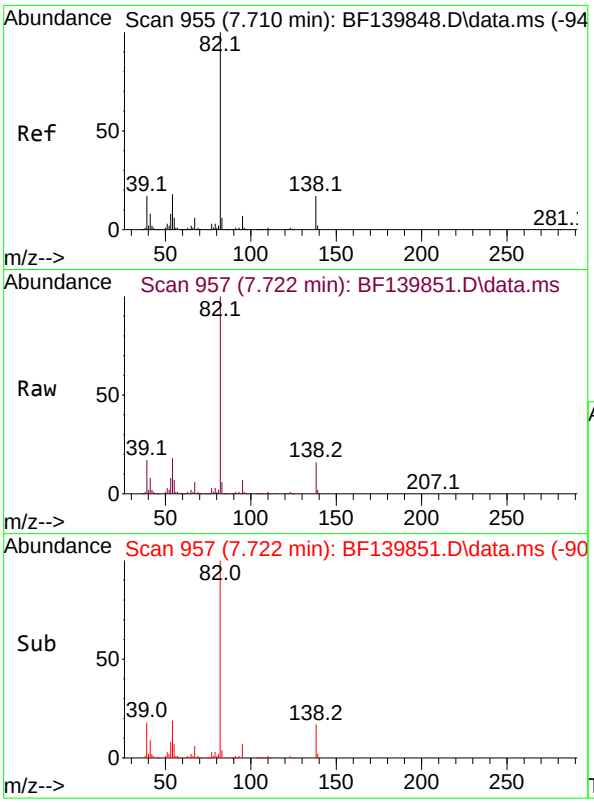


#24
Nitrobenzene
Concen: 74.779 ng
RT: 7.481 min Scan# 916
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 77 Resp: 1025571

Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.7	53.5
65	14.6	11.5	17.3





#25
Isophorone
Concen: 74.436 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

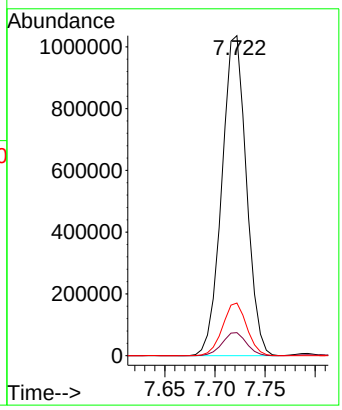
Tgt Ion: 82 Resp: 176723

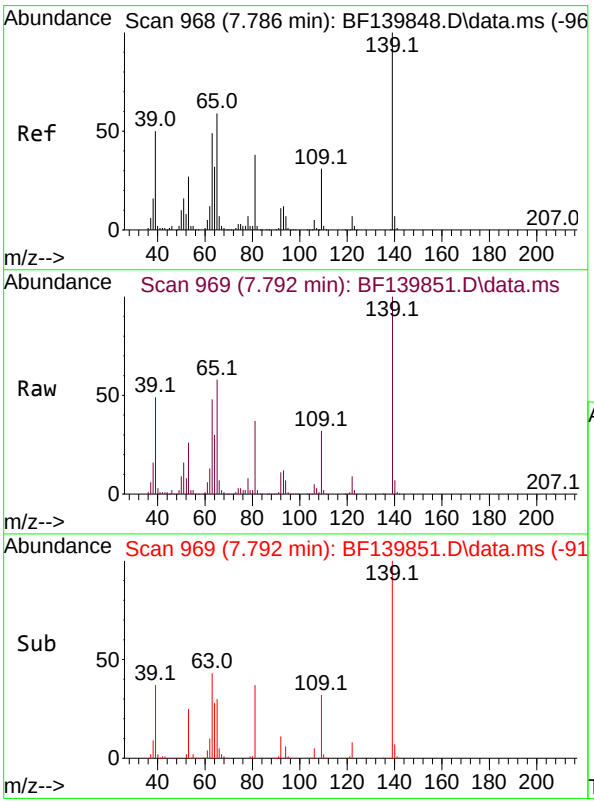
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	16.5	13.2	19.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

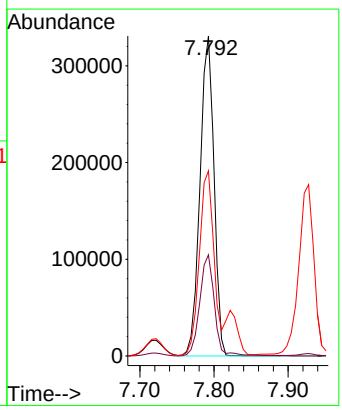


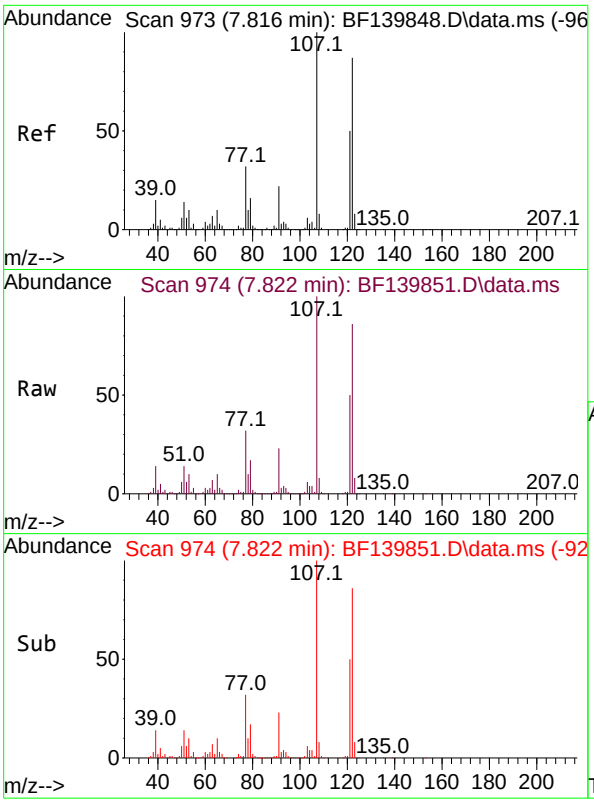


#26
2-Nitrophenol
Concen: 84.029 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:139 Resp: 434755

Ion	Ratio	Lower	Upper
139	100		
109	31.6	25.1	37.7
65	57.8	47.5	71.3

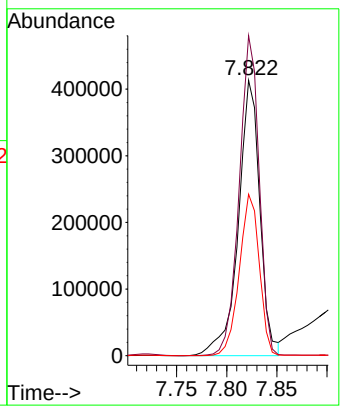




#27
2,4-Dimethylphenol
Concen: 71.765 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:122 Resp: 61913

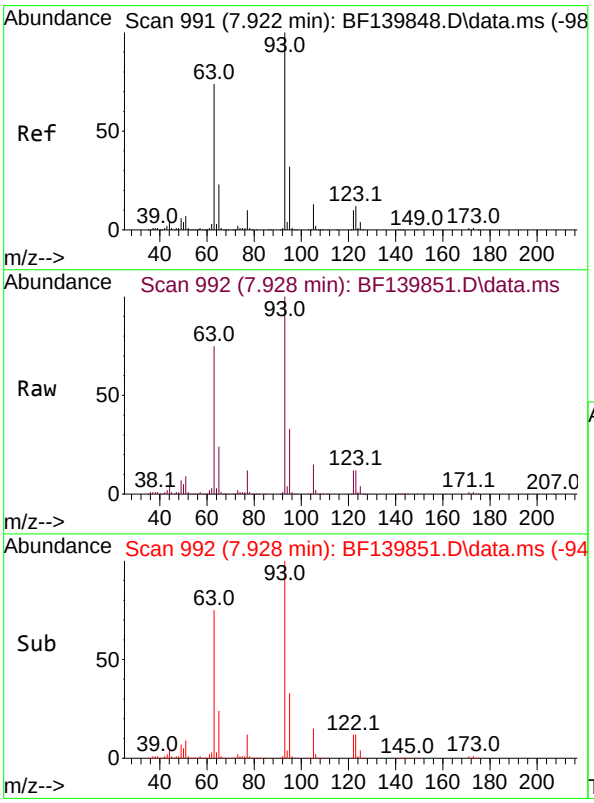
Ion	Ratio	Lower	Upper
122	100		
107	116.2	91.9	137.9
121	58.6	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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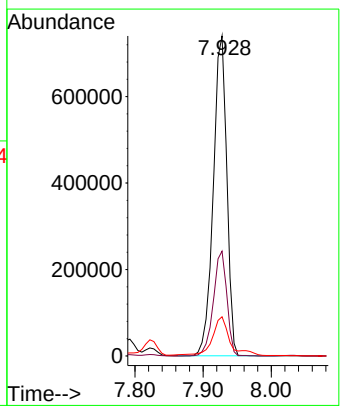
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

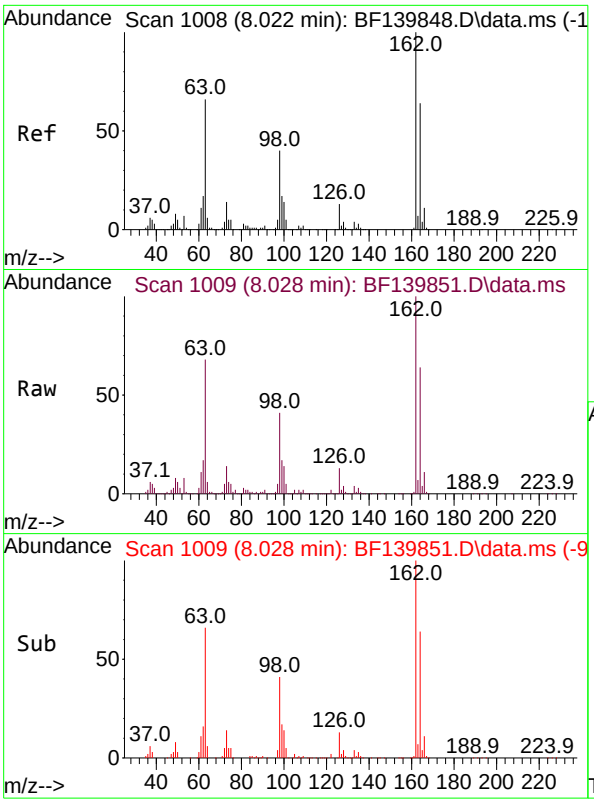


#28
bis(2-Chloroethoxy)methane
Concen: 71.081 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 93 Resp: 1022457

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.2	9.8	14.8





#29
2,4-Dichlorophenol
Concen: 72.445 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

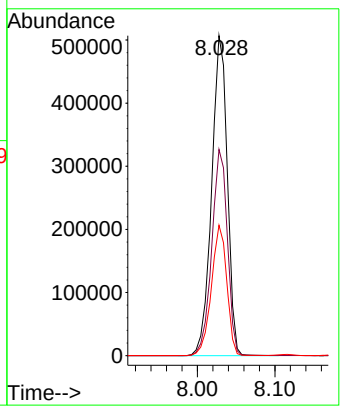
Tgt Ion:162 Resp: 71189

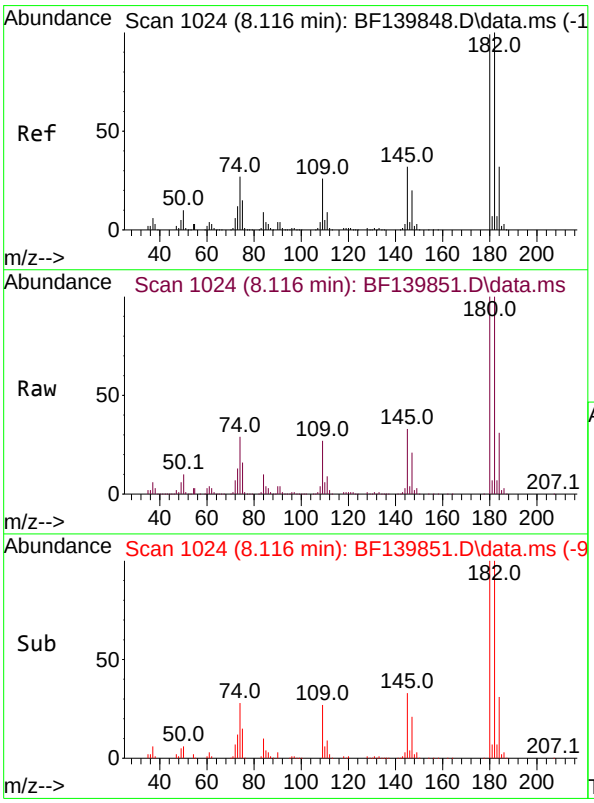
Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.9	83.9
98	40.8	19.9	59.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

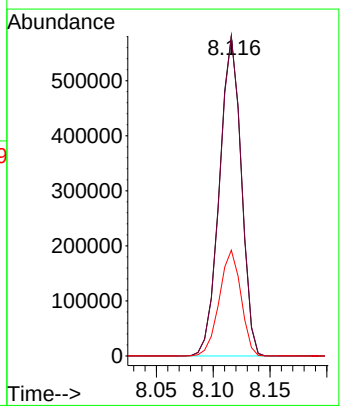


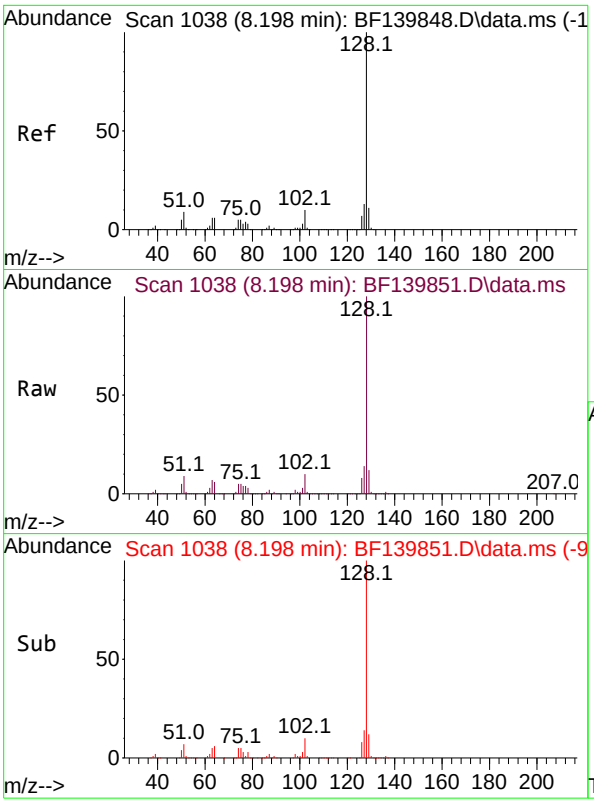


#30
1,2,4-Trichlorobenzene
Concen: 71.194 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:180 Resp: 774108

Ion	Ratio	Lower	Upper
180	100		
182	99.8	80.5	120.7
145	33.0	25.4	38.0

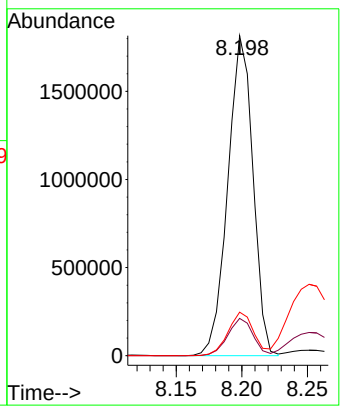




#31
Naphthalene
Concen: 67.894 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:128 Resp: 242757

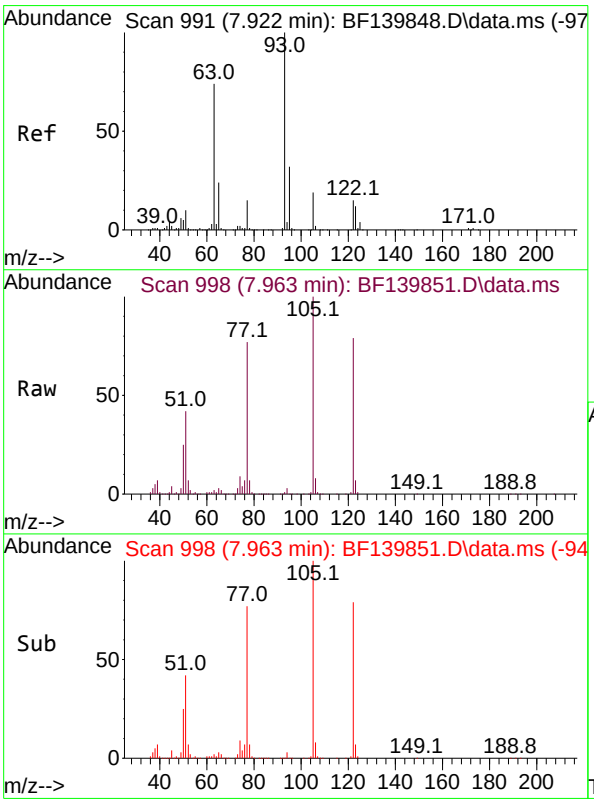
Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	13.6	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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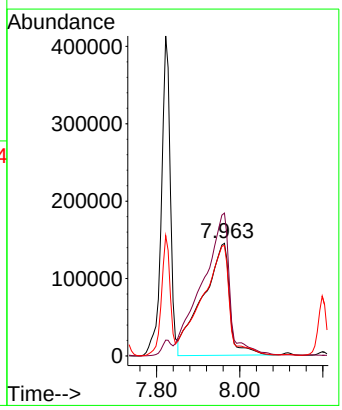
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

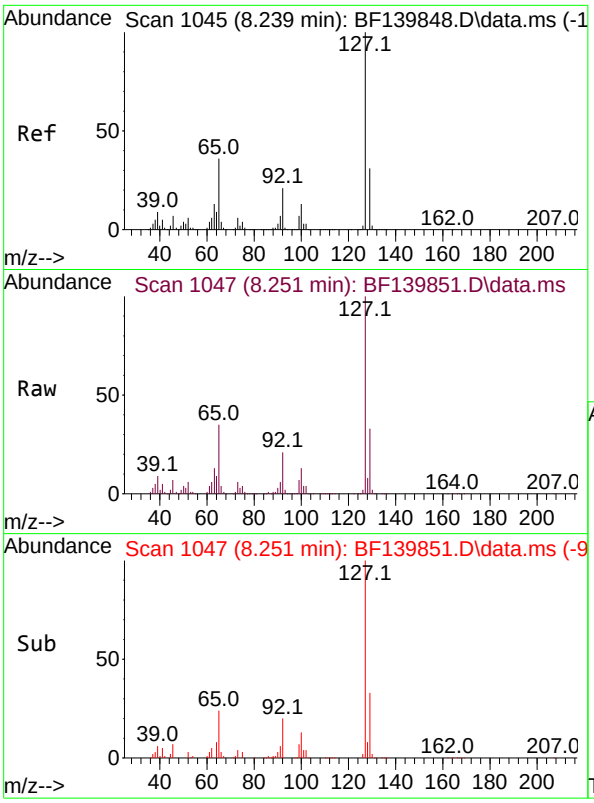


#32
Benzoic acid
Concen: 86.634 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.041 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:122 Resp: 651887

Ion	Ratio	Lower	Upper
122	100		
105	126.8	107.6	147.6
77	98.1	80.2	120.2

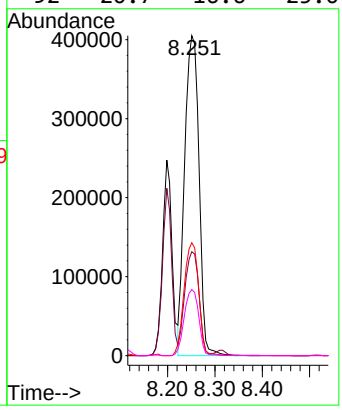




#33
4-Chloroaniline
Concen: 69.684 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:127 Resp: 84960

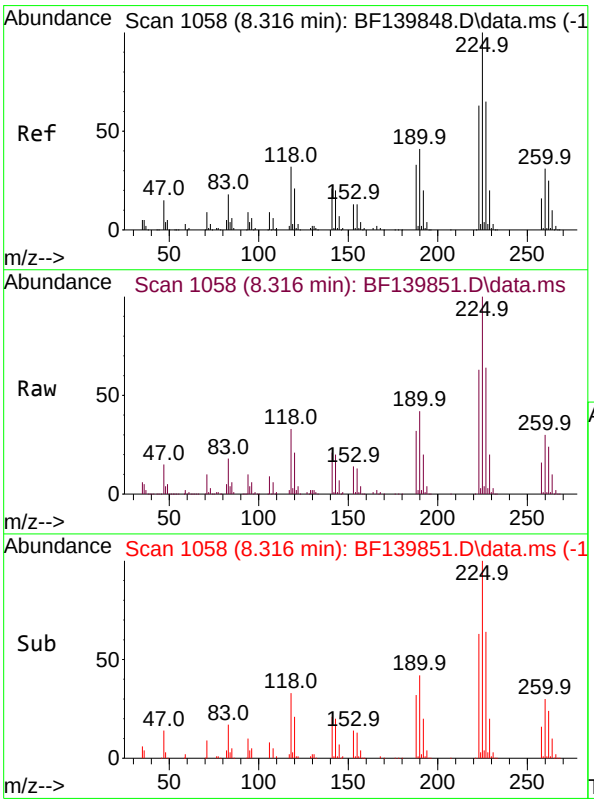
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	35.3	28.4	42.6
92	20.7	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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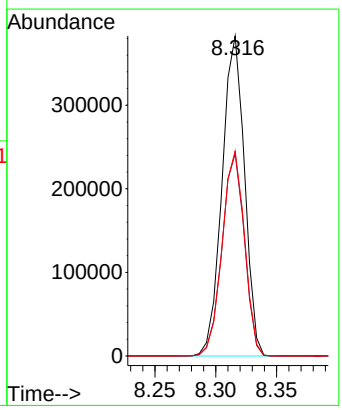
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

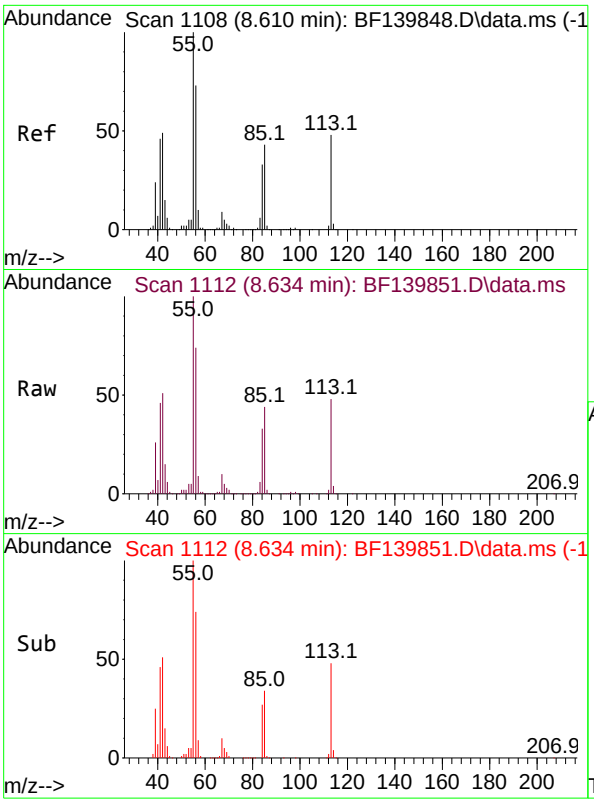


#34
Hexachlorobutadiene
Concen: 71.753 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:225 Resp: 490203

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	64.0	51.8	77.8





#35
Caprolactam
Concen: 76.550 ng
RT: 8.634 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

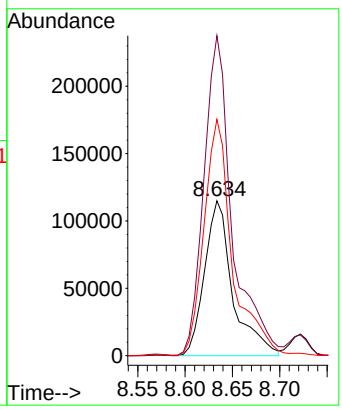
Tgt Ion:113 Resp: 23918

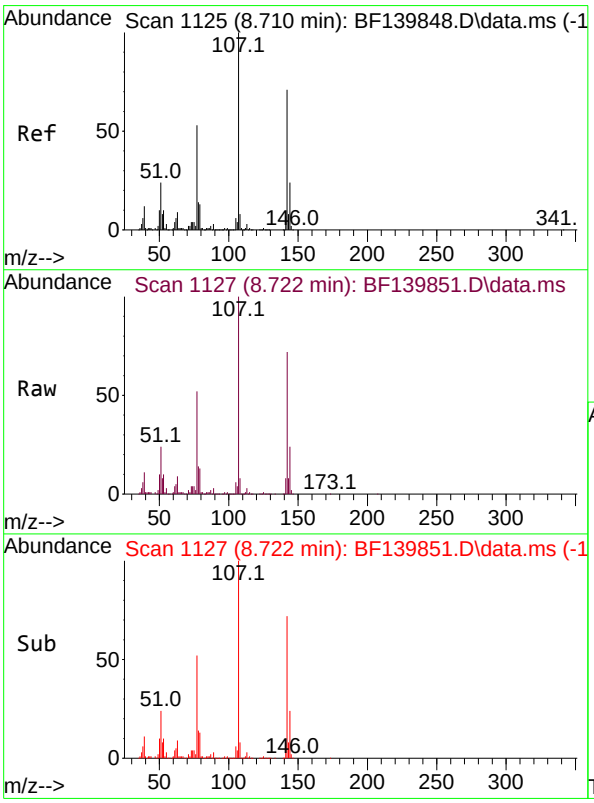
Ion	Ratio	Lower	Upper
113	100		
55	206.7	189.2	229.2
56	152.7	132.5	172.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
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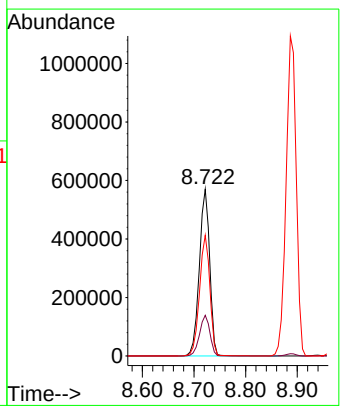


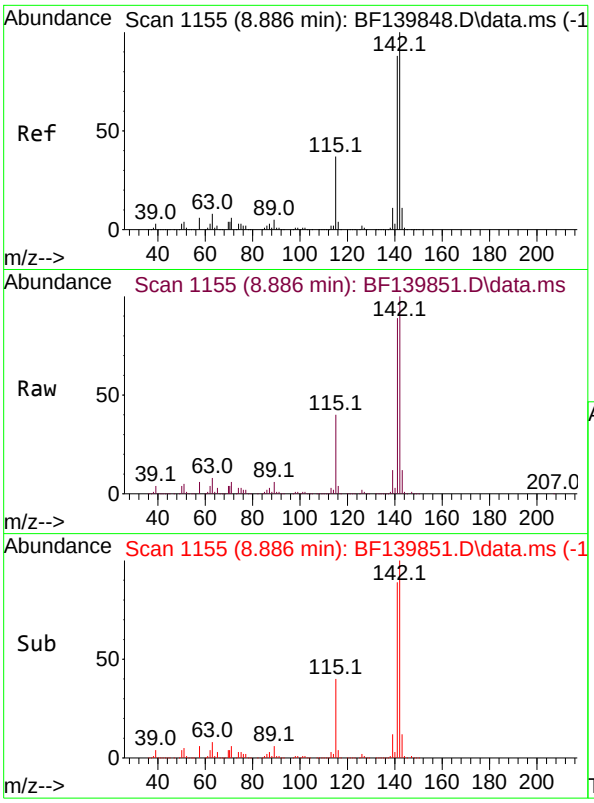


#36
4-Chloro-3-methylphenol
Concen: 73.031 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:107 Resp: 794640

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.1	28.7
142	72.3	57.2	85.8





#37
2-Methylnaphthalene
Concen: 67.944 ng
RT: 8.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

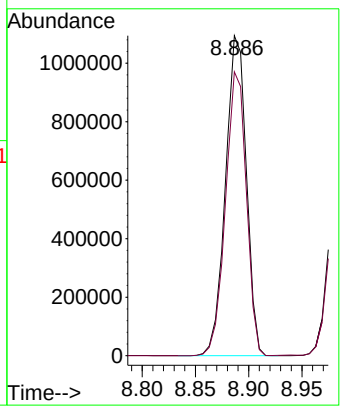
Tgt Ion:142 Resp: 148784

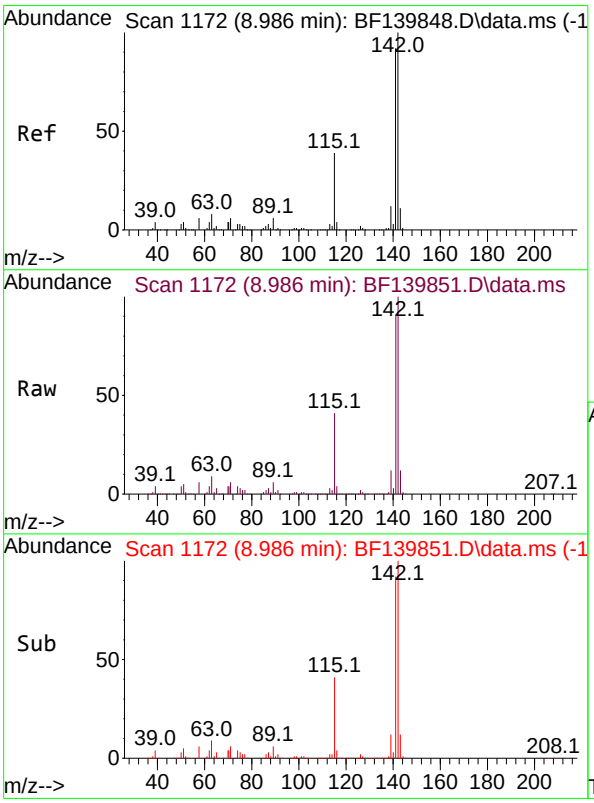
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

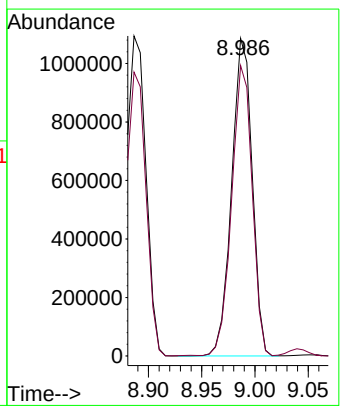


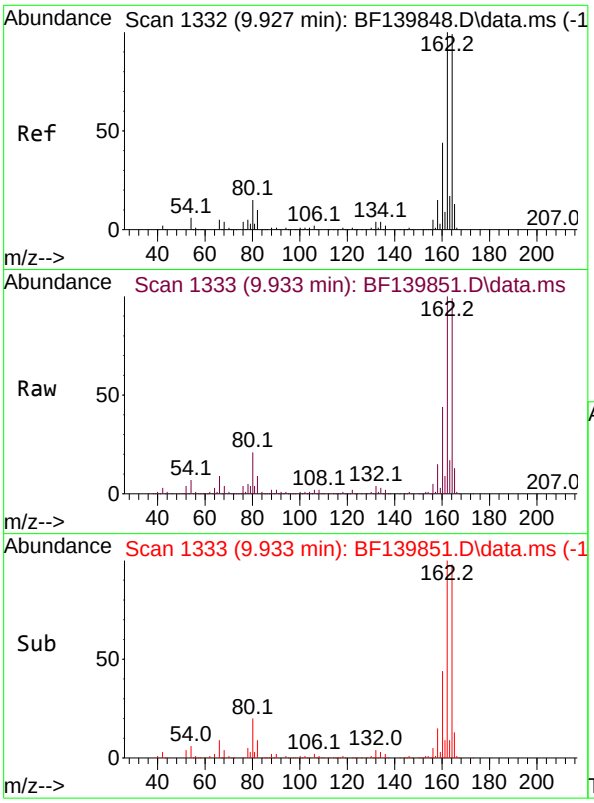


#38
1-Methylnaphthalene
Concen: 67.858 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:142 Resp: 1457890

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.5	110.3

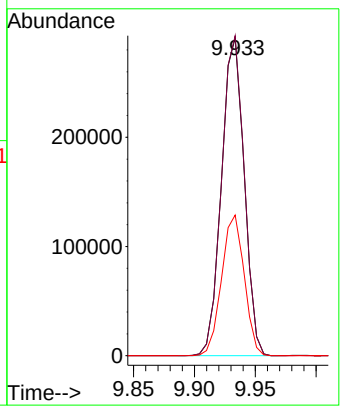




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:164 Resp: 37772

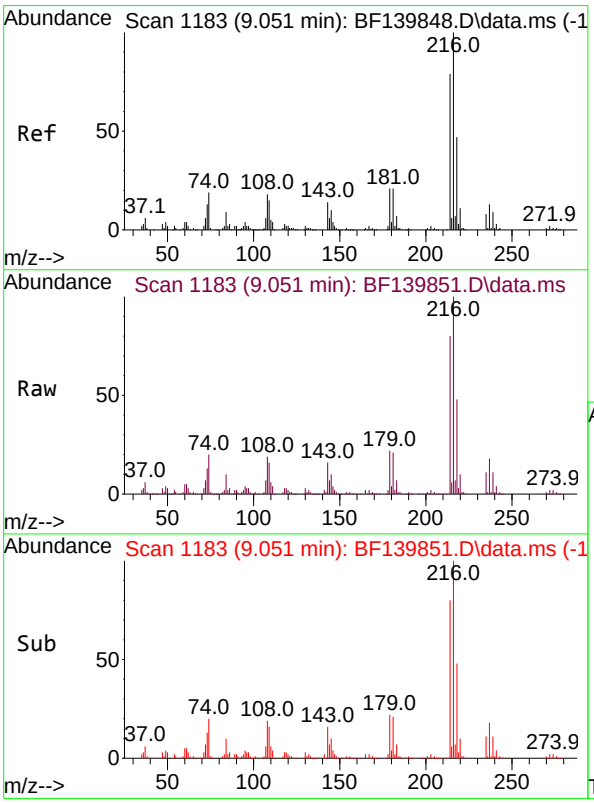
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.0	121.4
160	44.3	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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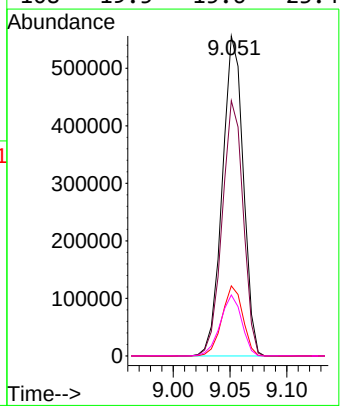
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

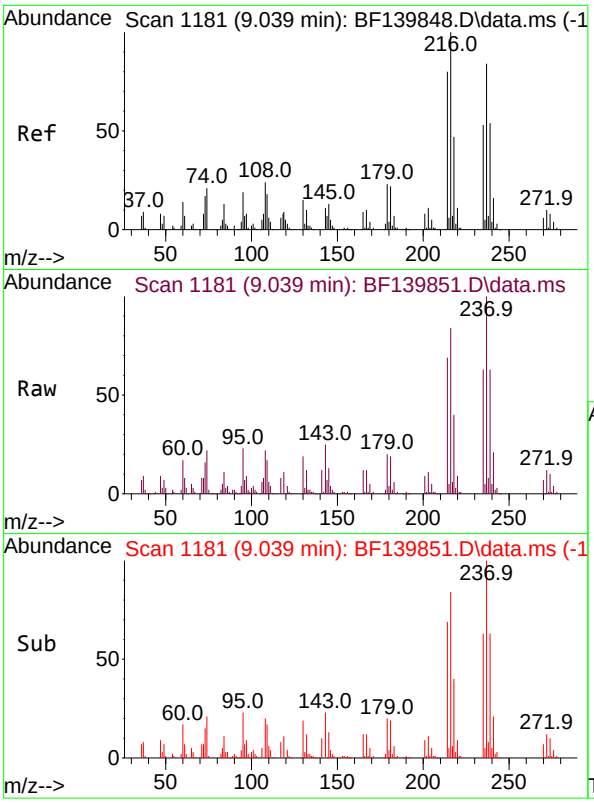


#40
1,2,4,5-Tetrachlorobenzene
Concen: 69.962 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:216 Resp: 712936

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.4	95.0
179	21.7	17.2	25.8
108	19.5	15.6	23.4

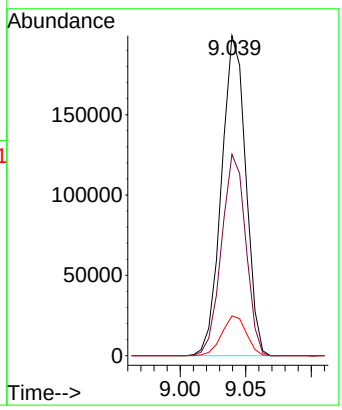




#41
Hexachlorocyclopentadiene
Concen: 72.201 ng
RT: 9.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:237 Resp: 25600

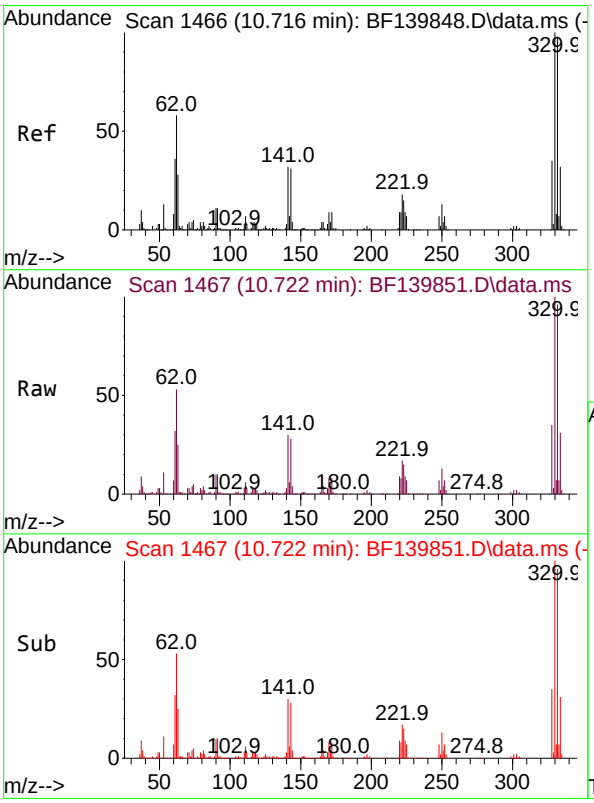
Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.5	0.0	32.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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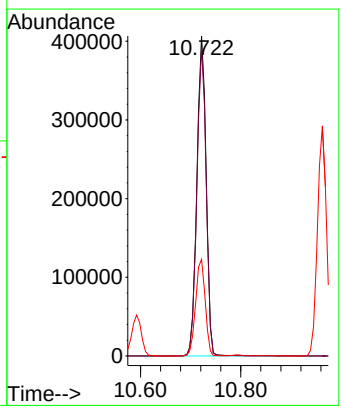
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

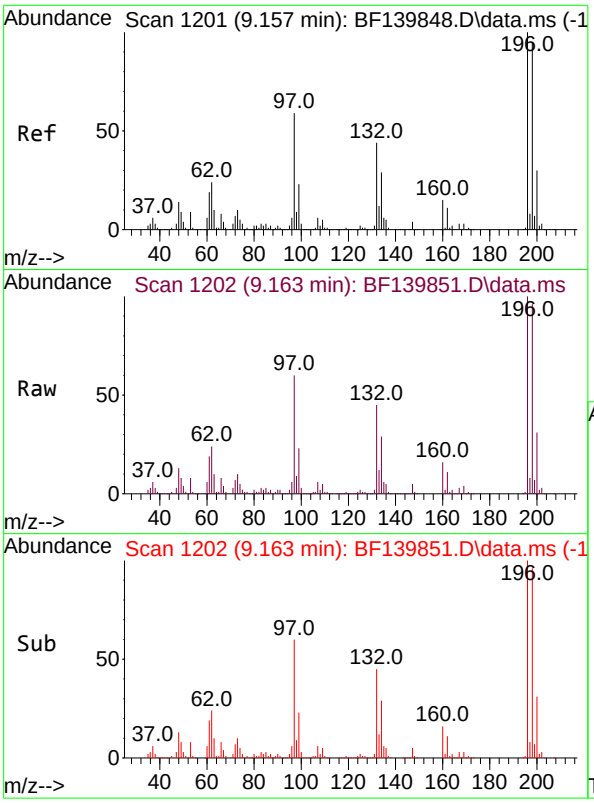


#42
2,4,6-Tribromophenol
Concen: 147.845 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:330 Resp: 522350

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.1	117.1
141	31.2	26.6	39.8

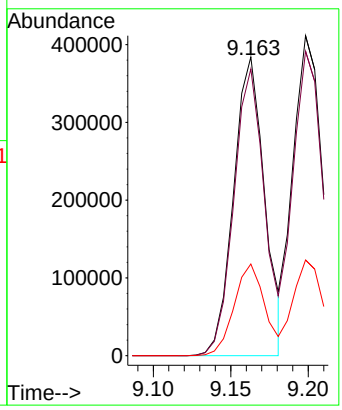




#43
2,4,6-Trichlorophenol
Concen: 74.228 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:196 Resp: 53553

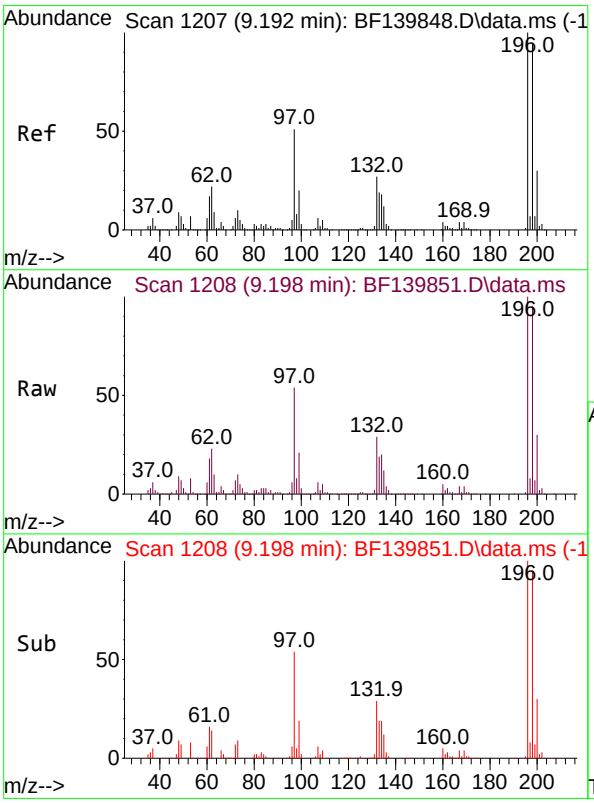
Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.2	114.2
200	30.7	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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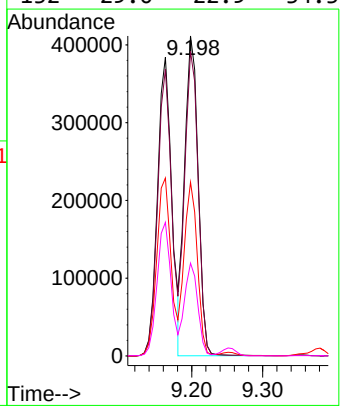
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

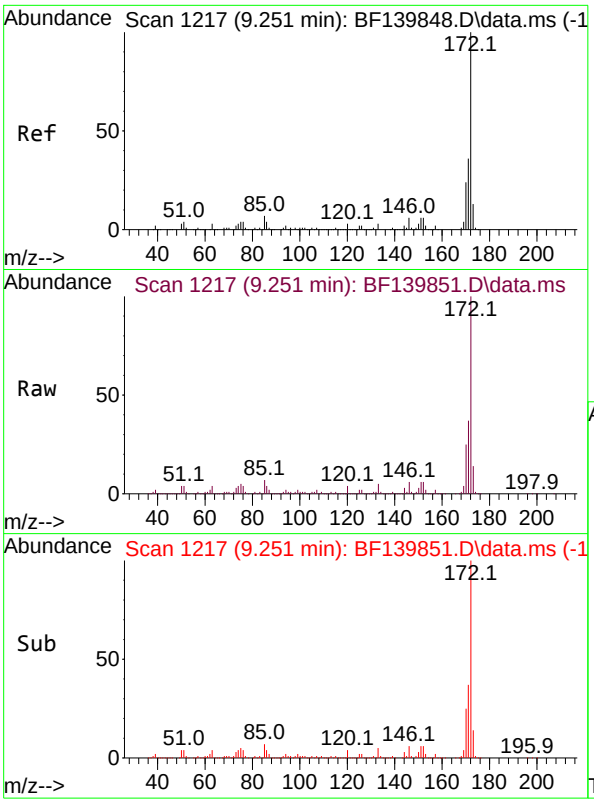


#44
2,4,5-Trichlorophenol
Concen: 72.904 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:196 Resp: 542663

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.8	113.6
97	54.3	41.8	62.6
132	29.0	22.9	34.3

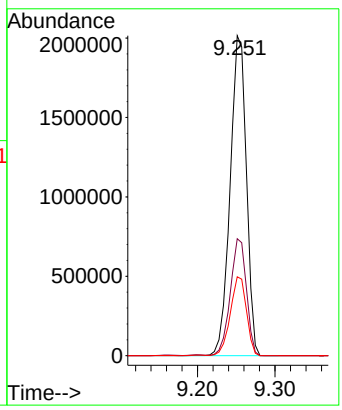




#45
2-Fluorobiphenyl
Concen: 128.689 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:172 Resp: 294118

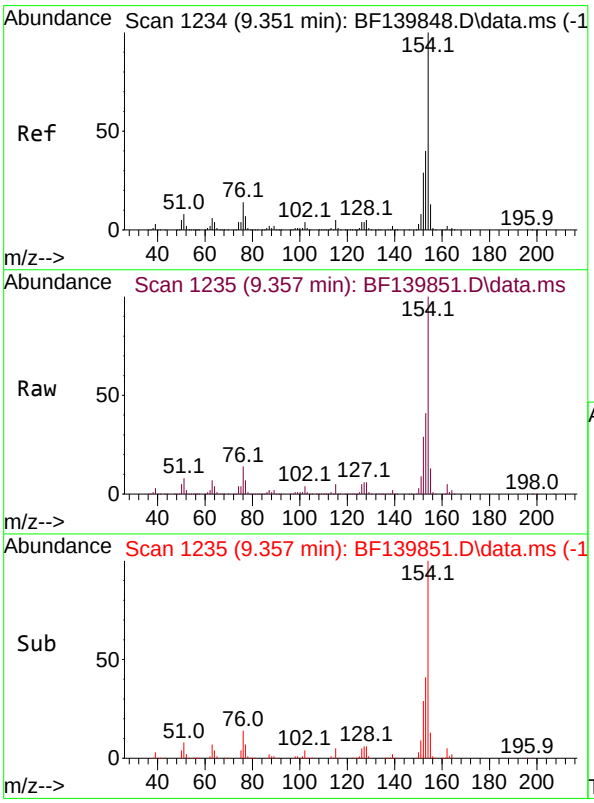
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.7	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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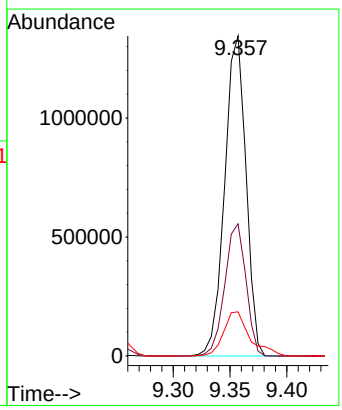
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

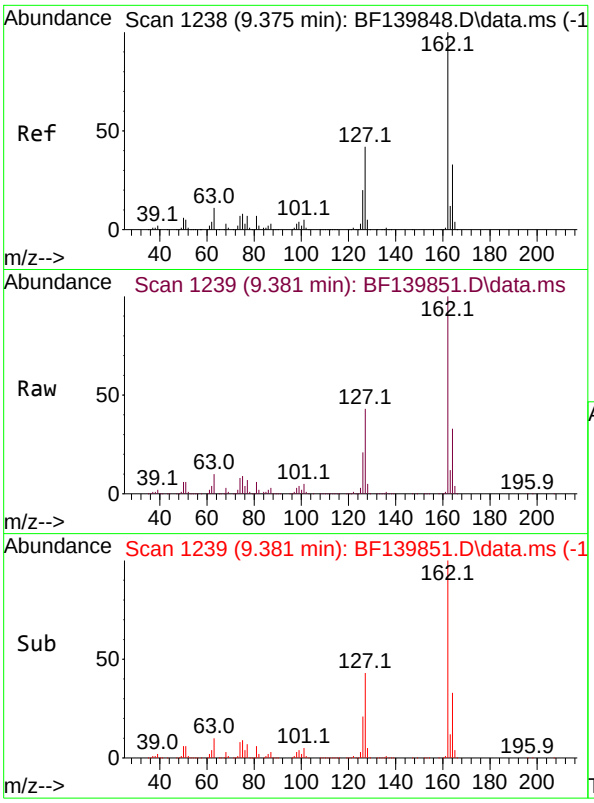


#46
1,1'-Biphenyl
Concen: 66.703 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:154 Resp: 1753952

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.3	60.3
76	13.8	0.0	33.9

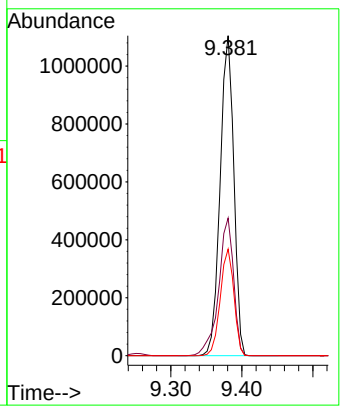




#47
2-Chloronaphthalene
Concen: 69.411 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:162 Resp: 147001

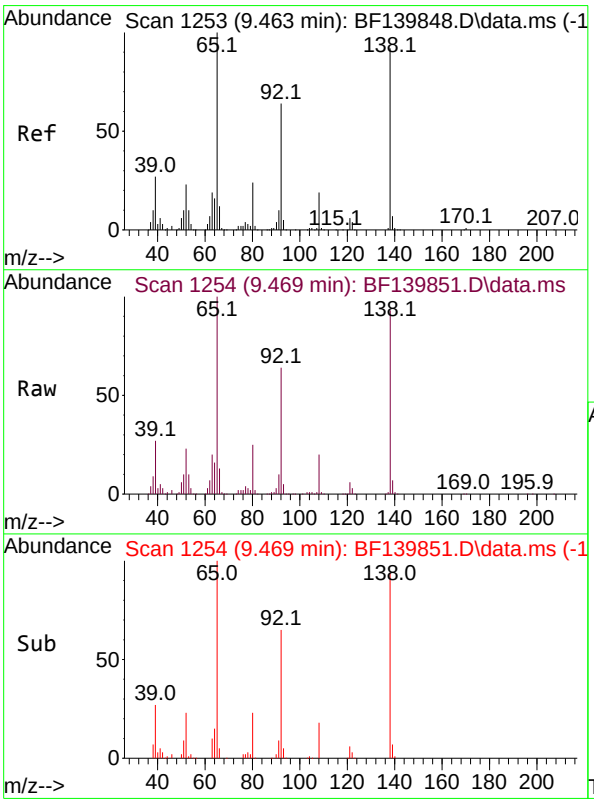
Ion	Ratio	Lower	Upper
162	100		
127	43.0	33.8	50.6
164	33.3	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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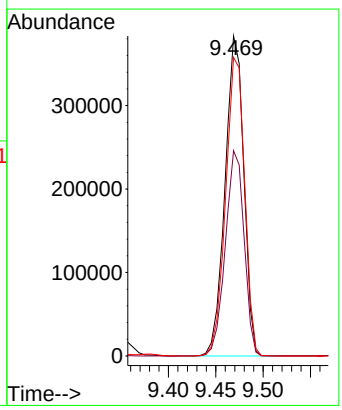
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

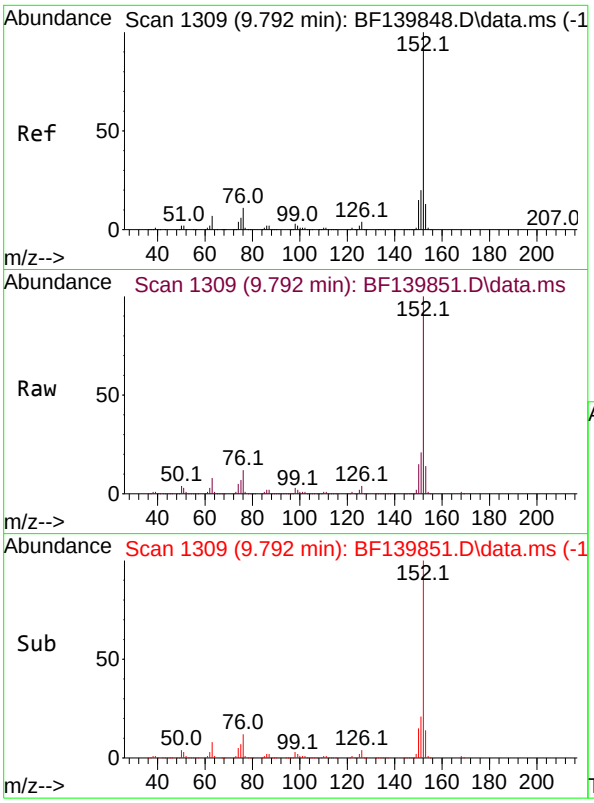


#48
2-Nitroaniline
Concen: 81.447 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 65 Resp: 527552

Ion	Ratio	Lower	Upper
65	100		
92	64.1	50.9	76.3
138	93.3	73.4	110.0

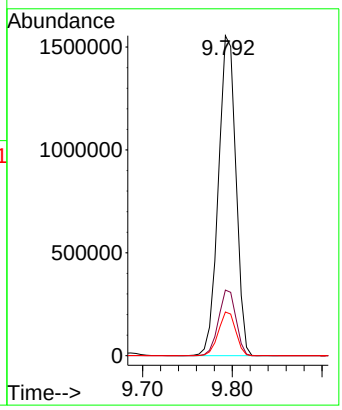




#49
Acenaphthylene
Concen: 68.796 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:152 Resp: 210635

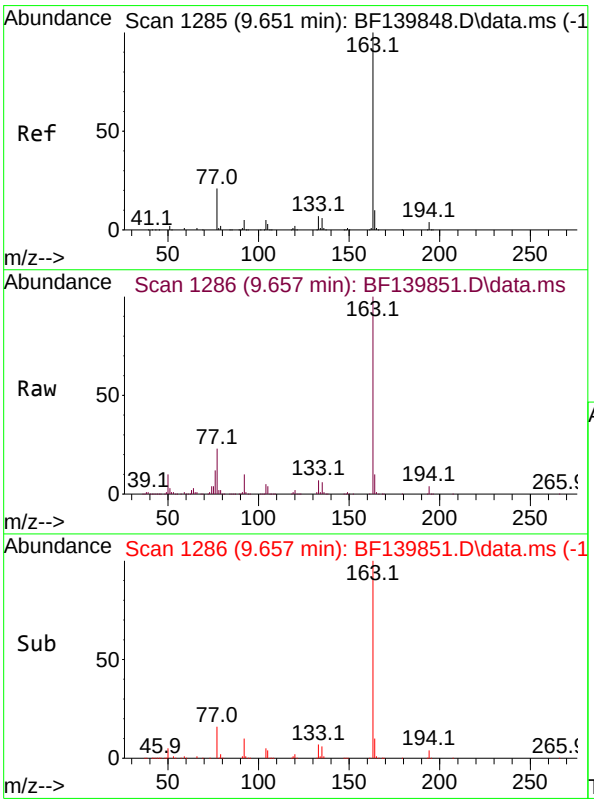
Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.7	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

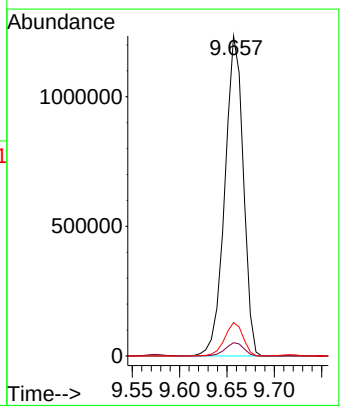
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

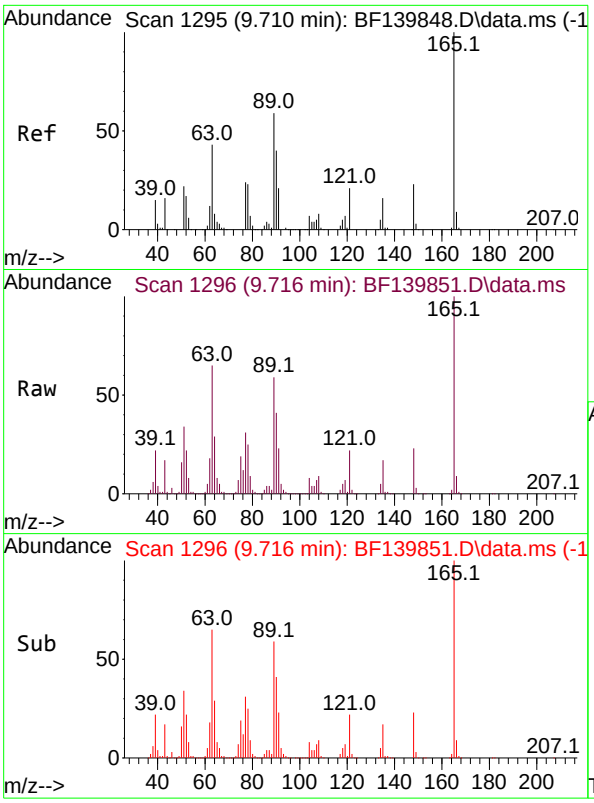


#50
Dimethylphthalate
Concen: 71.277 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:163 Resp: 1676969

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 77.193 ng
RT: 9.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

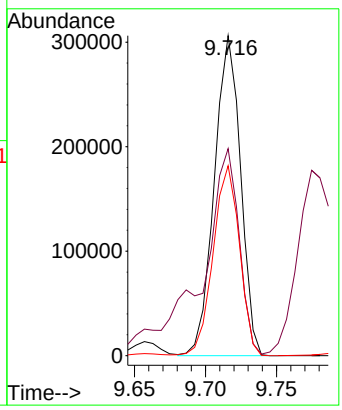
Tgt Ion:165 Resp: 39323

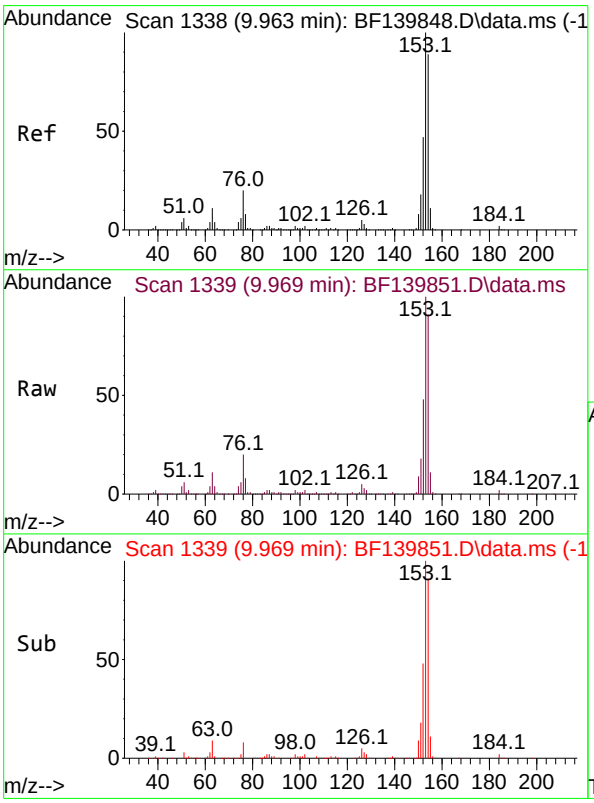
Ion	Ratio	Lower	Upper
165	100		
63	64.7	50.6	75.8
89	59.4	47.5	71.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

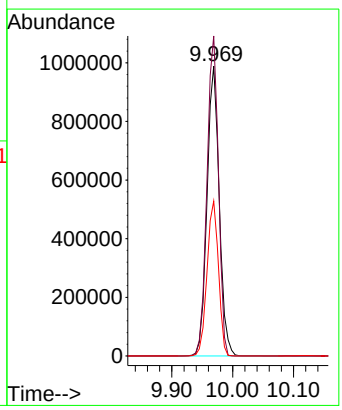


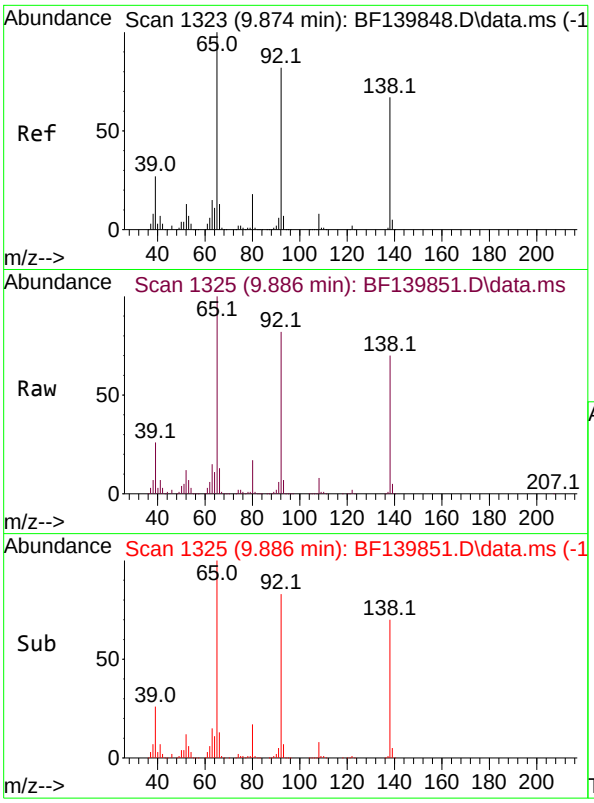


#52
Acenaphthene
Concen: 69.610 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:154 Resp: 1378724

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.8	134.6
152	53.4	42.4	63.6





#53
3-Nitroaniline
Concen: 73.697 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

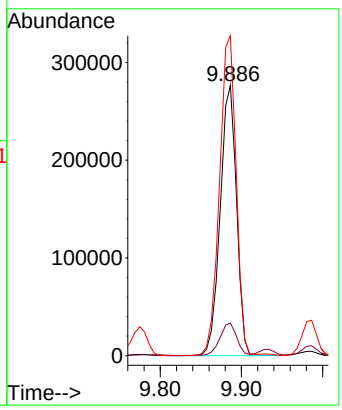
Tgt Ion:138 Resp: 38715

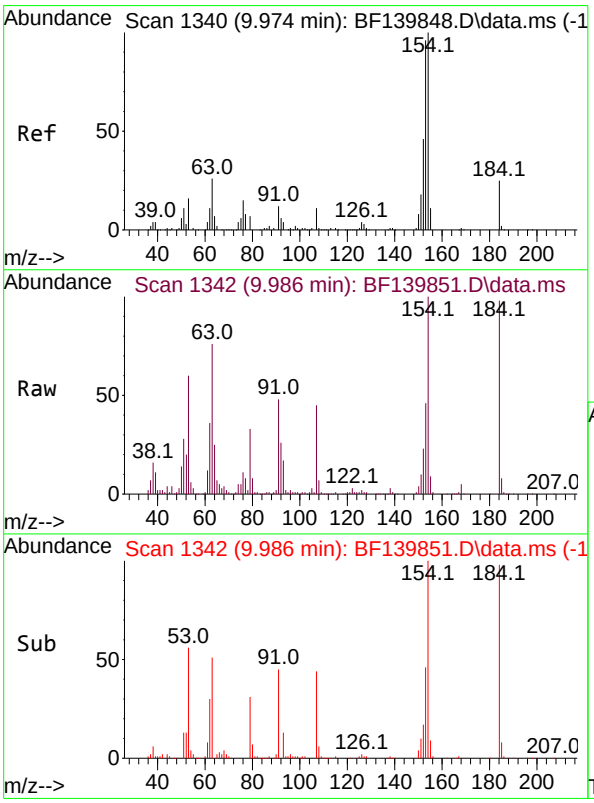
Ion	Ratio	Lower	Upper
138	100		
108	12.1	10.2	15.2
92	118.4	98.3	147.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
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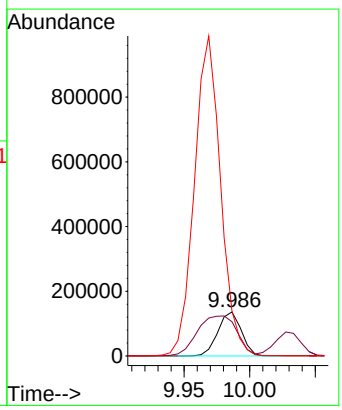


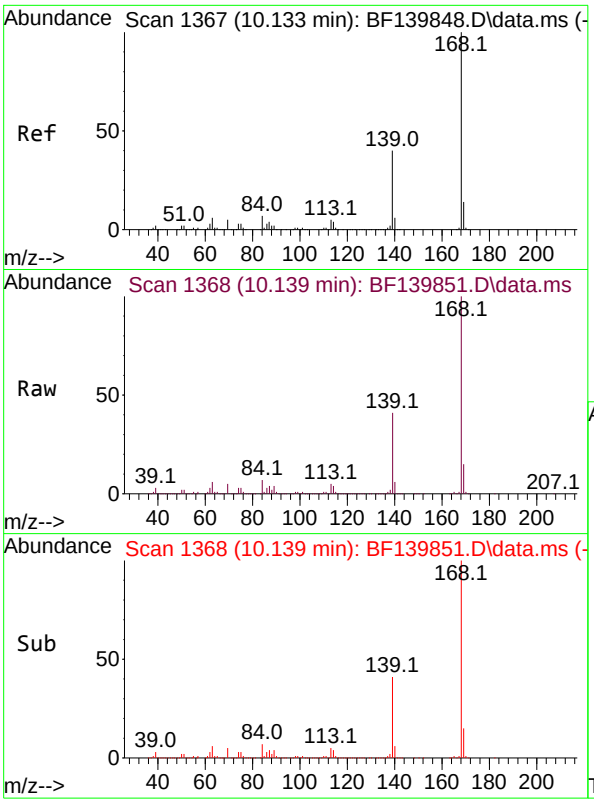


#54
2,4-Dinitrophenol
Concen: 79.932 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:184 Resp: 169167

Ion	Ratio	Lower	Upper
184	100		
63	77.7	84.7	127.1#
154	102.0	338.2	507.2#

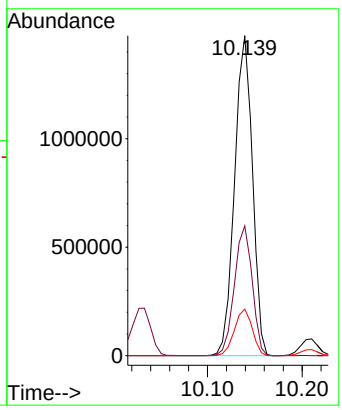




#55
Dibenzofuran
Concen: 67.930 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:168 Resp: 193040

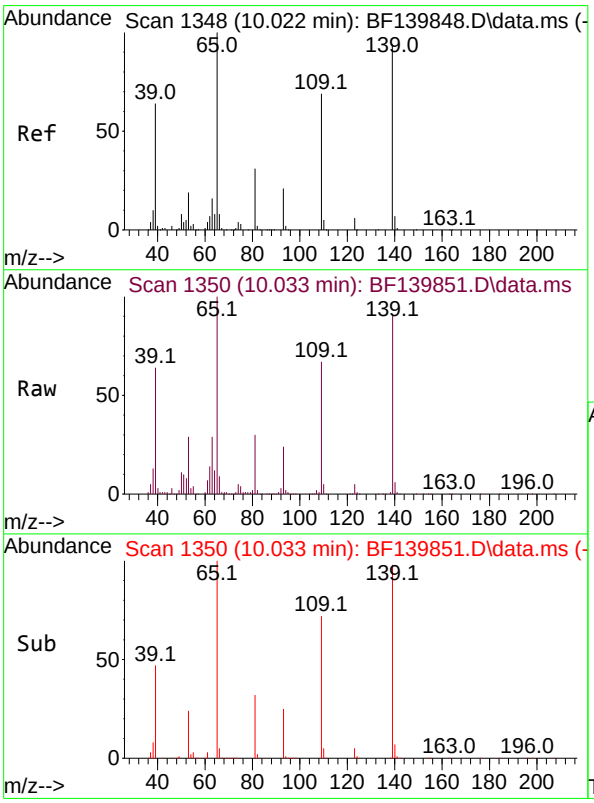
Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.8	47.6
169	14.6	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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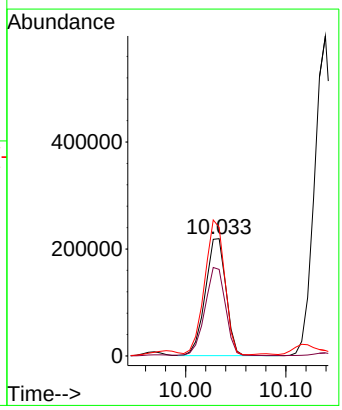
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

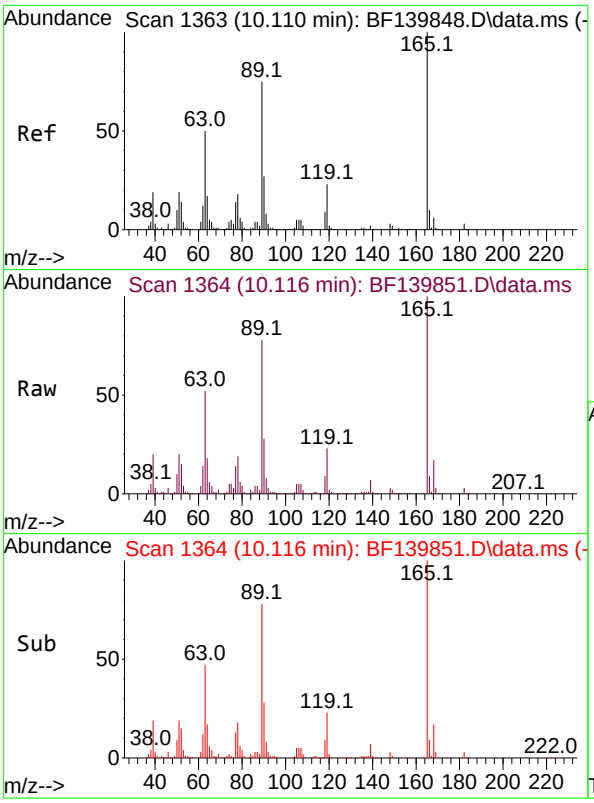


#56
4-Nitrophenol
Concen: 77.732 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:139 Resp: 314170

Ion	Ratio	Lower	Upper
139	100		
109	73.7	53.6	93.6
65	109.6	87.8	127.8

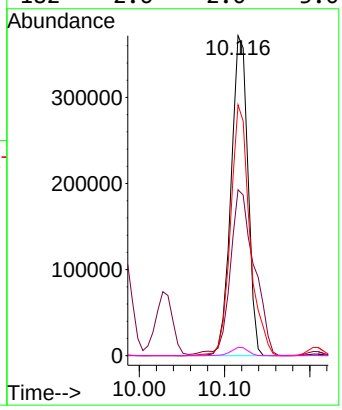




#57
2,4-Dinitrotoluene
Concen: 81.523 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:165 Resp: 51070

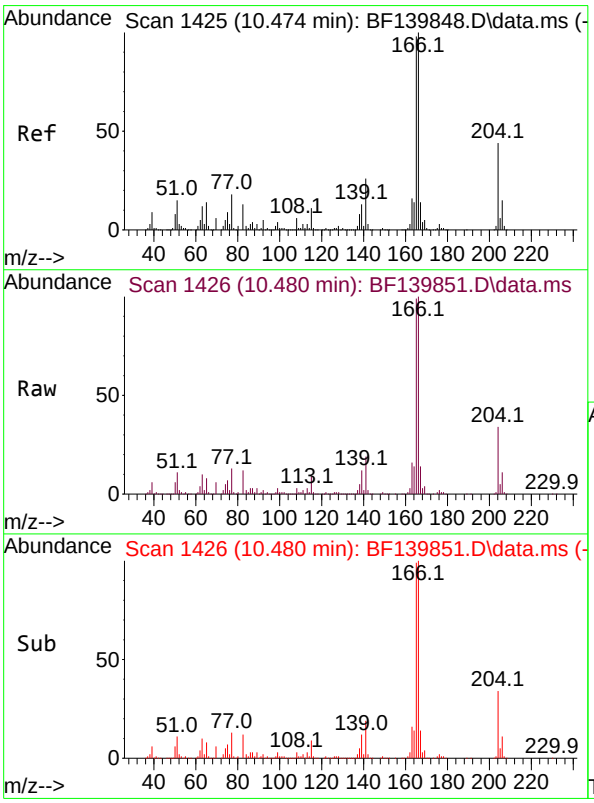
Ion	Ratio	Lower	Upper
165	100		
63	51.9	40.1	60.1
89	78.4	60.4	90.6
182	2.6	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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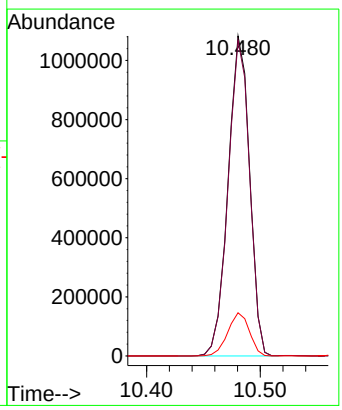
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

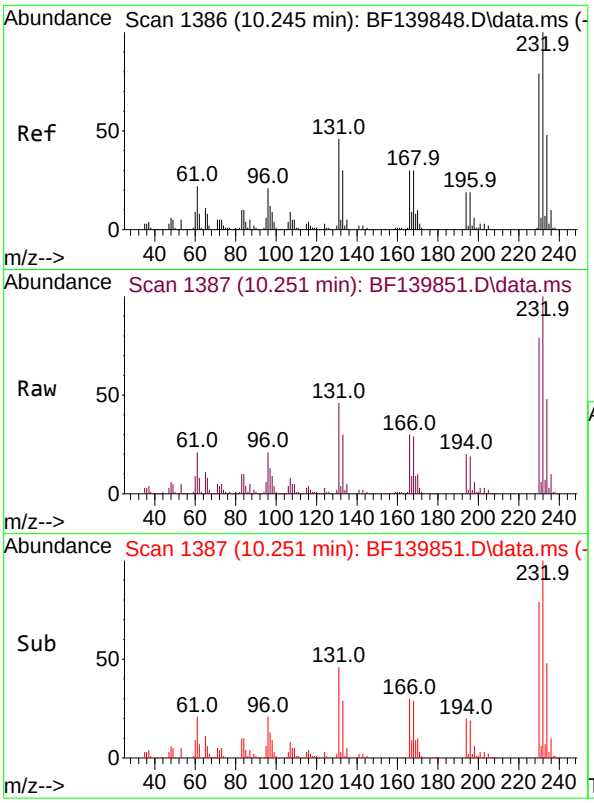


#58
Fluorene
Concen: 65.920 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:166 Resp: 1426794

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.5	117.7
167	13.5	10.9	16.3

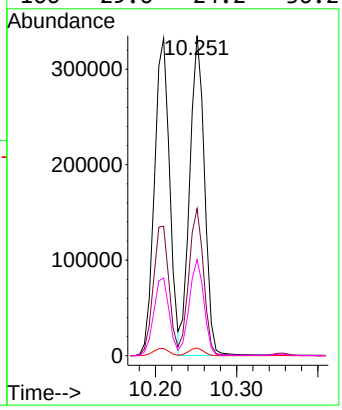




#59
2,3,4,6-Tetrachlorophenol
Concen: 72.764 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:232 Resp: 42459

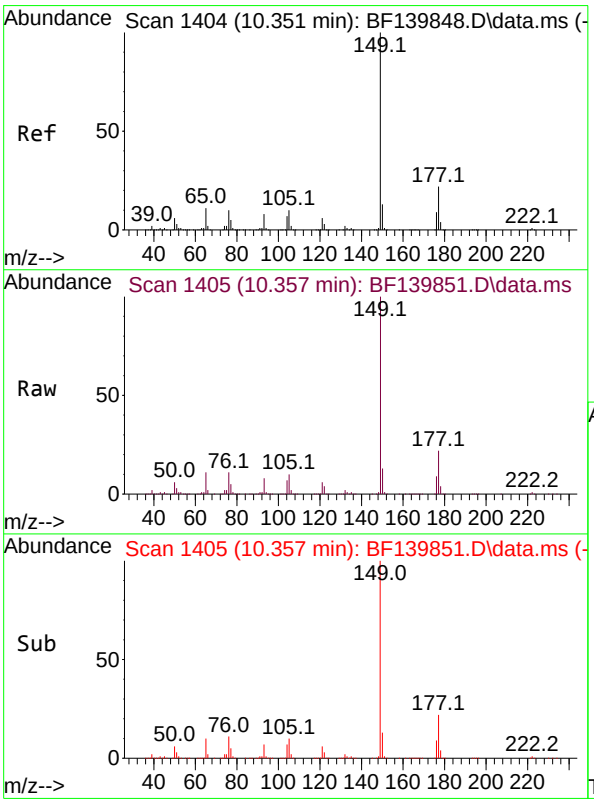
Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.0	55.6
130	2.4	1.9	2.9
166	29.6	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

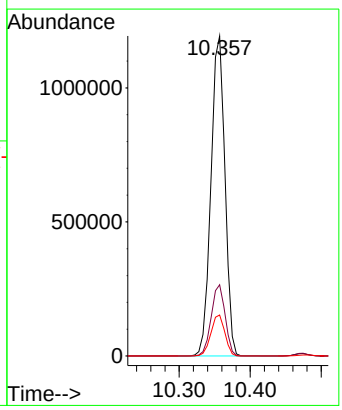
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

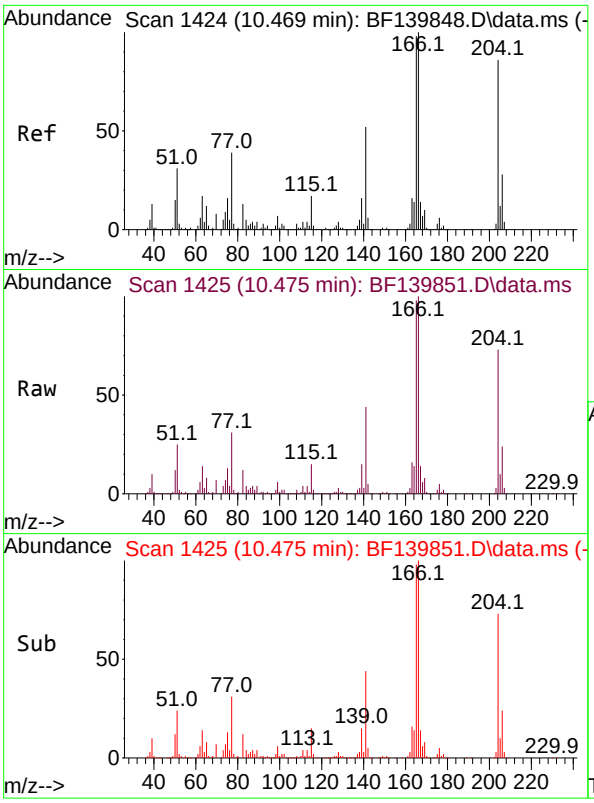


#60
Diethylphthalate
Concen: 70.641 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:149 Resp: 1631842

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.8	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 66.837 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

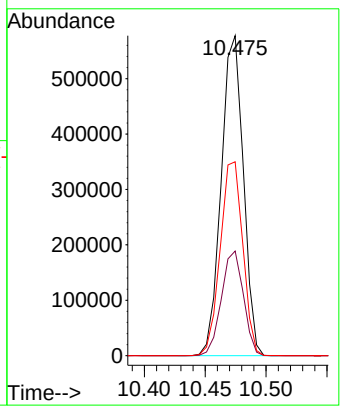
Tgt Ion:204 Resp: 73056

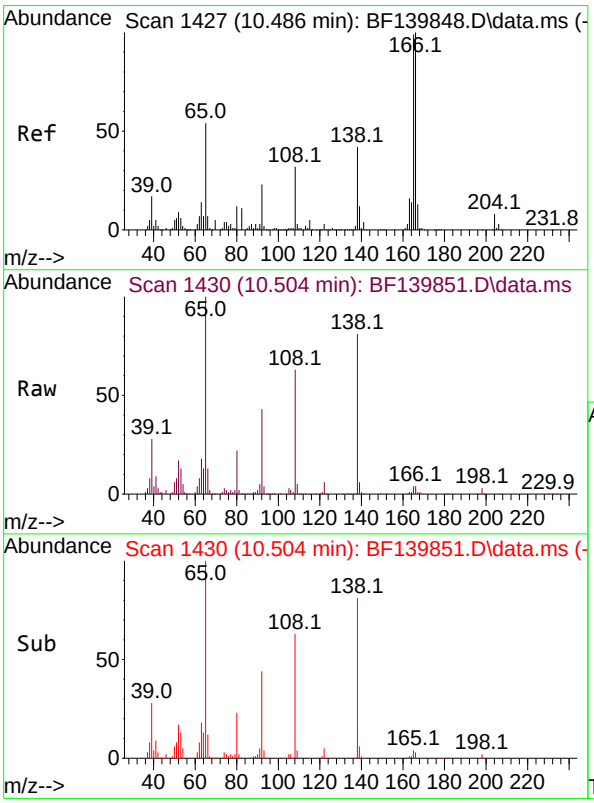
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	60.6	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

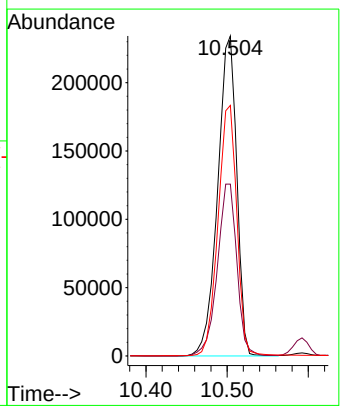


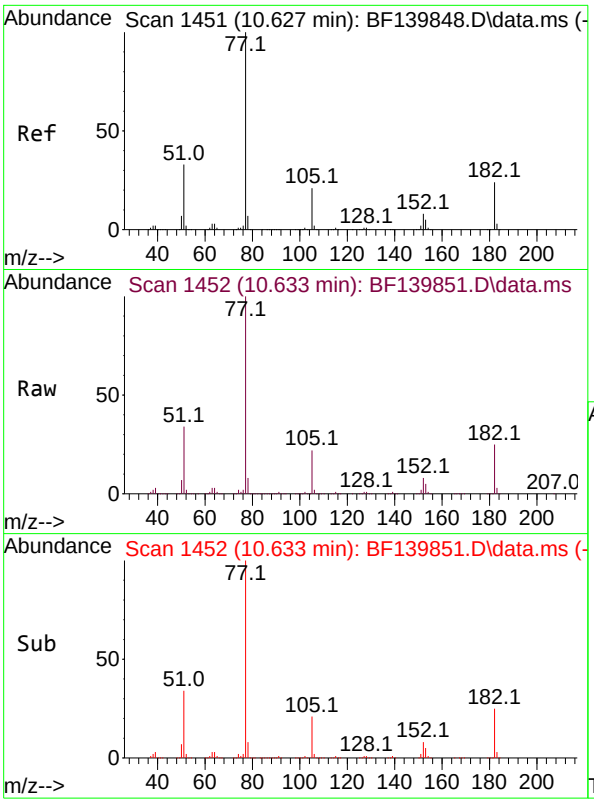


#62
4-Nitroaniline
Concen: 77.270 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.018 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:138 Resp: 383383

Ion	Ratio	Lower	Upper
138	100		
92	53.7	35.7	75.7
108	78.3	57.5	97.5

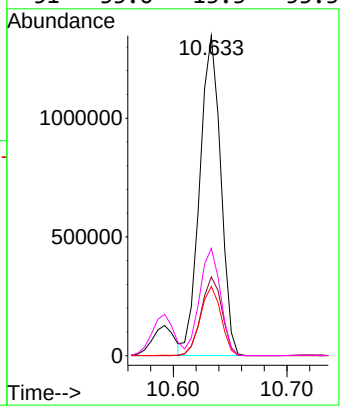




#63
Azobenzene
Concen: 70.539 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion: 77 Resp: 172753

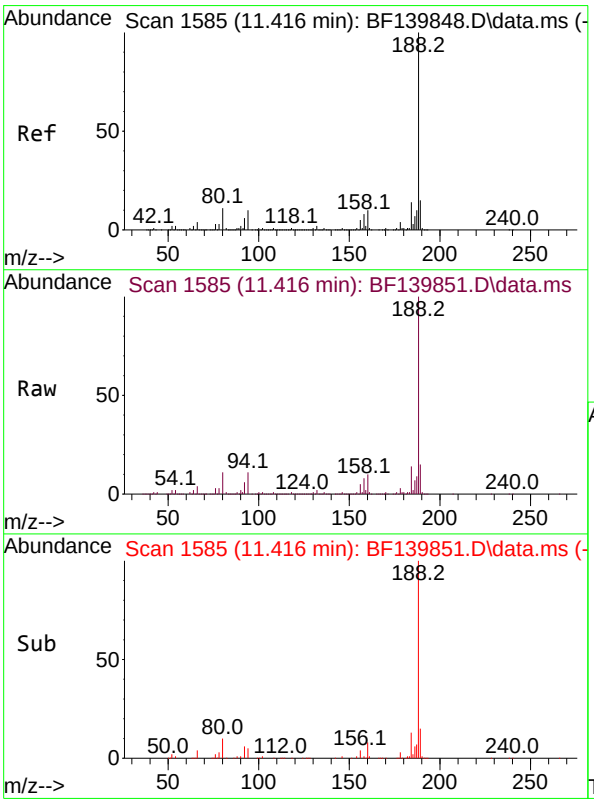
Ion	Ratio	Lower	Upper
77	100		
182	24.6	3.3	43.3
105	21.6	1.2	41.2
51	33.6	13.3	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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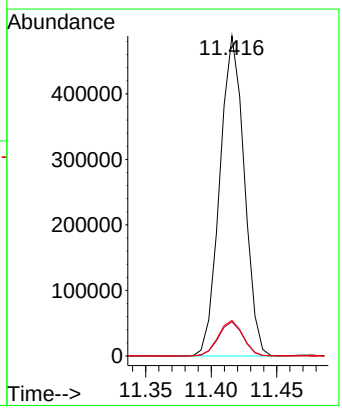
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

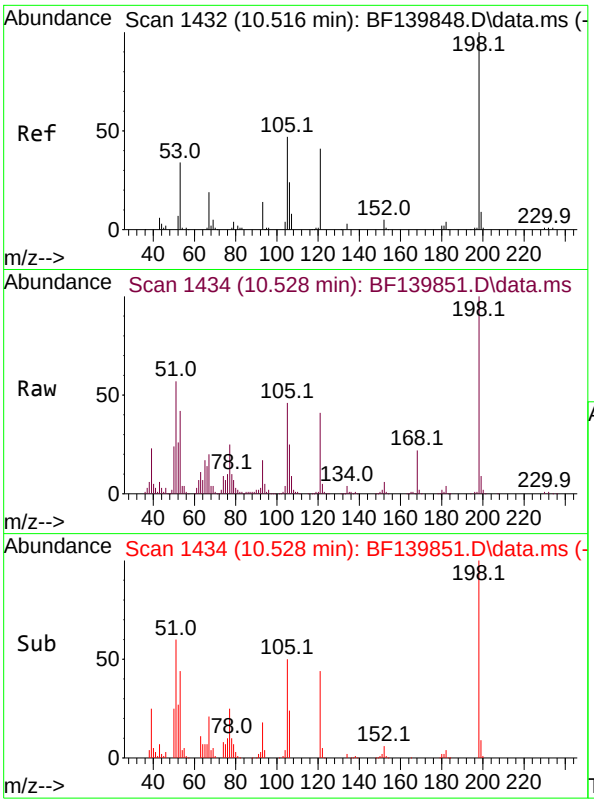


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:188 Resp: 633721

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.9	11.9
80	11.1	9.0	13.4

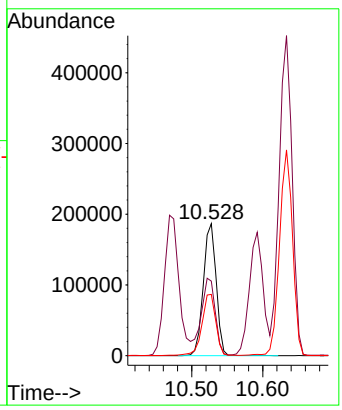




#65
4,6-Dinitro-2-methylphenol
Concen: 91.037 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:198 Resp: 23532

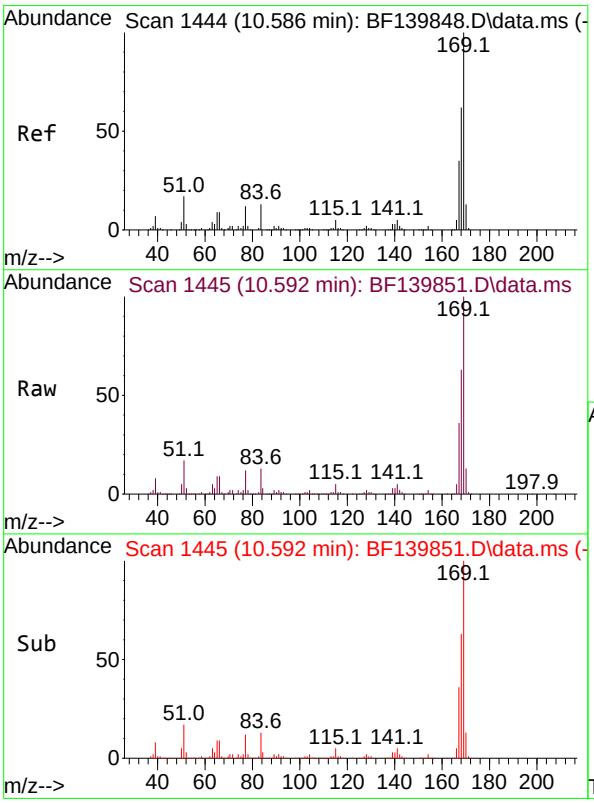
Ion	Ratio	Lower	Upper
198	100		
51	56.5	38.2	78.2
105	46.4	27.9	67.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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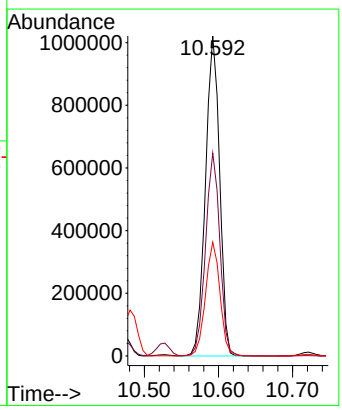
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

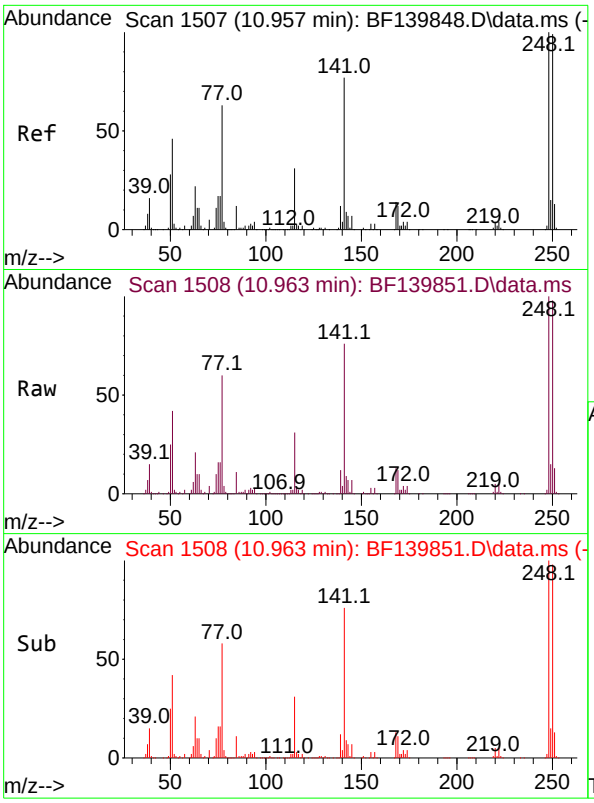


#66
n-Nitrosodiphenylamine
Concen: 71.220 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:169 Resp: 1350839

Ion	Ratio	Lower	Upper
169	100		
168	63.4	49.8	74.6
167	35.5	28.0	42.0

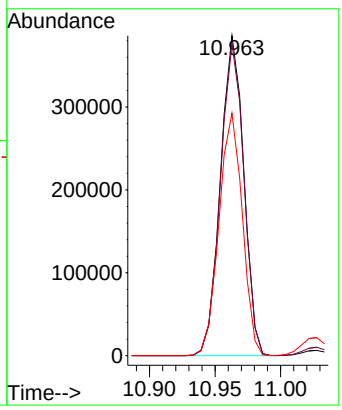




#67
4-Bromophenyl-phenylether
Concen: 73.216 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:248 Resp: 47799

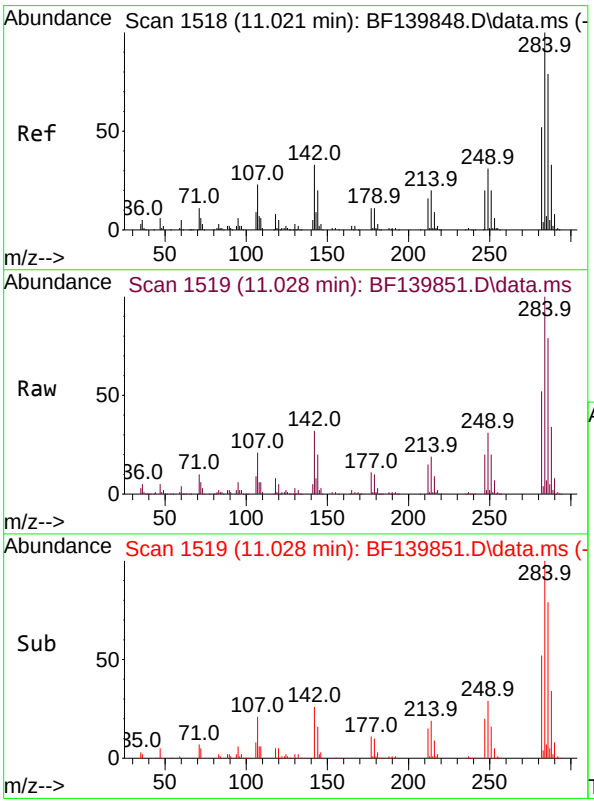
Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.0	118.6
141	75.7	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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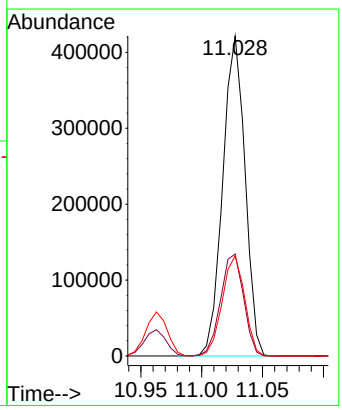
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

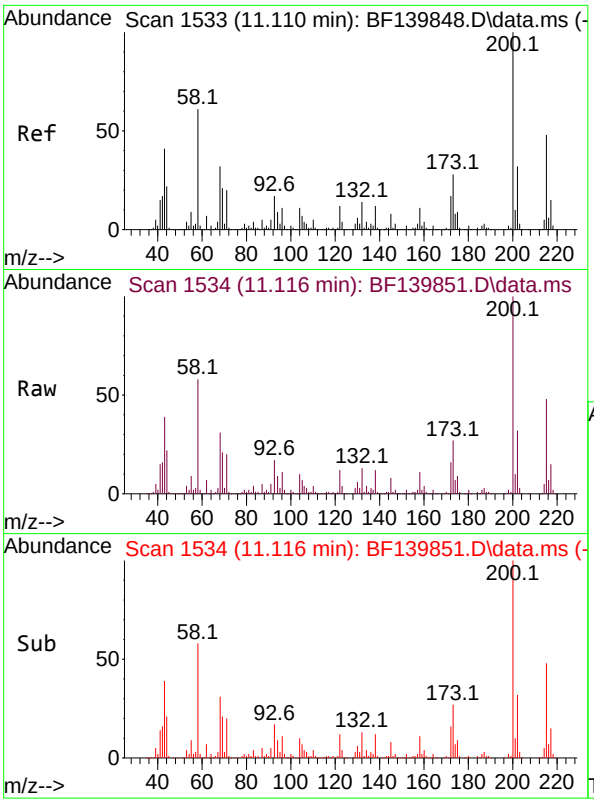


#68
Hexachlorobenzene
Concen: 73.070 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:284 Resp: 536511

Ion	Ratio	Lower	Upper
284	100		
142	31.9	26.9	40.3
249	31.3	25.3	37.9

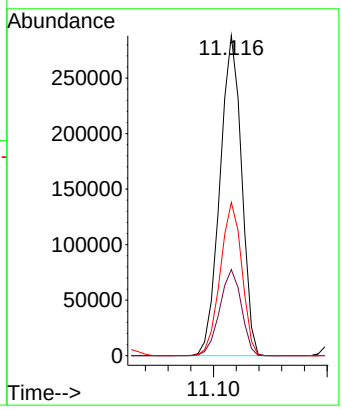




#69
Atrazine
Concen: 74.406 ng
RT: 11.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:200 Resp: 38229

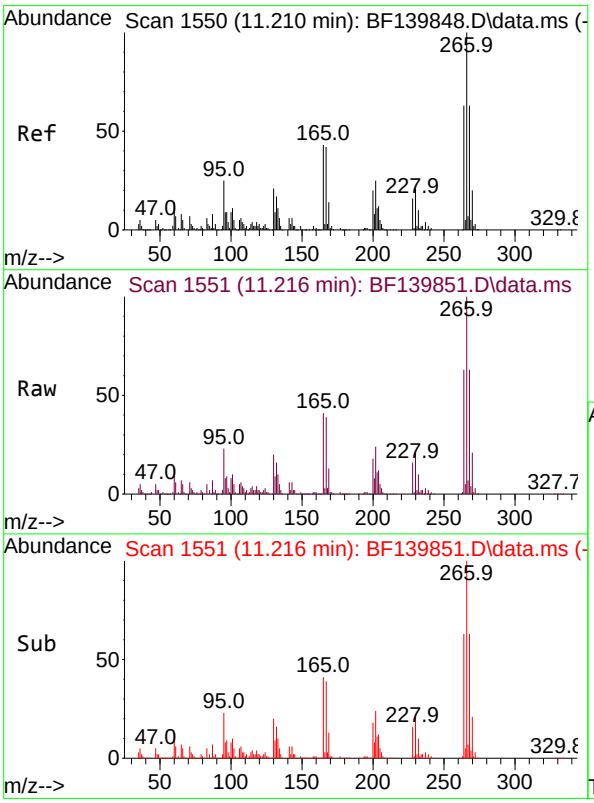
Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.7	47.7
215	47.9	27.7	67.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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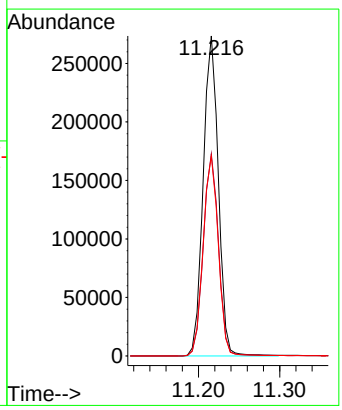
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

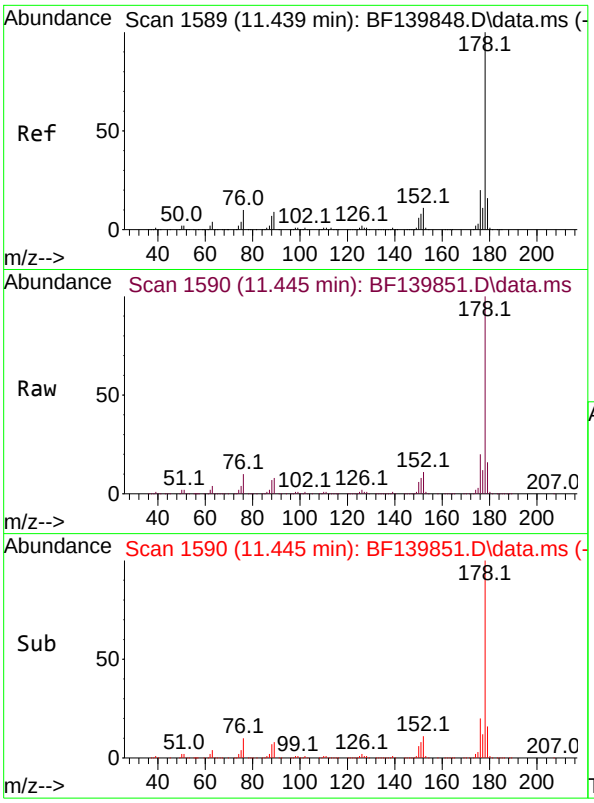


#70
Pentachlorophenol
Concen: 79.464 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:266 Resp: 354105

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.4	75.6
264	62.5	50.6	75.8

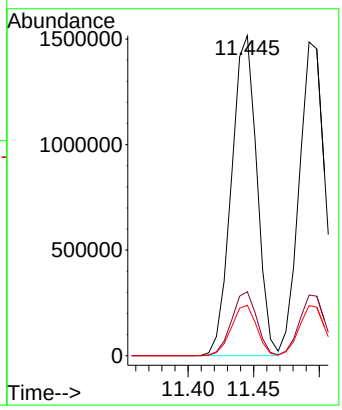




#71
Phenanthrene
Concen: 68.336 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:178 Resp: 204557

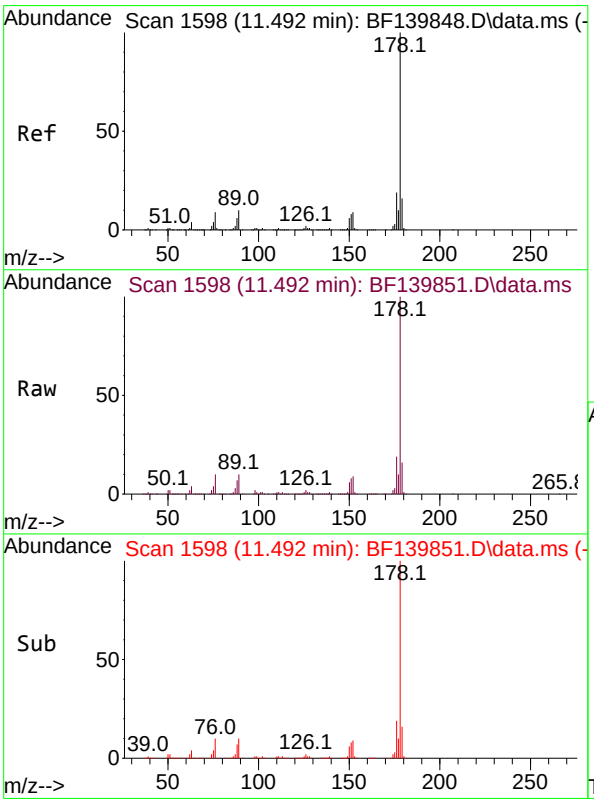
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	15.7	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

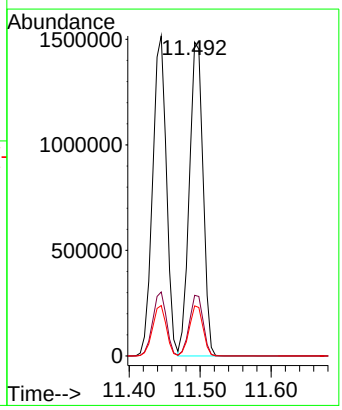
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

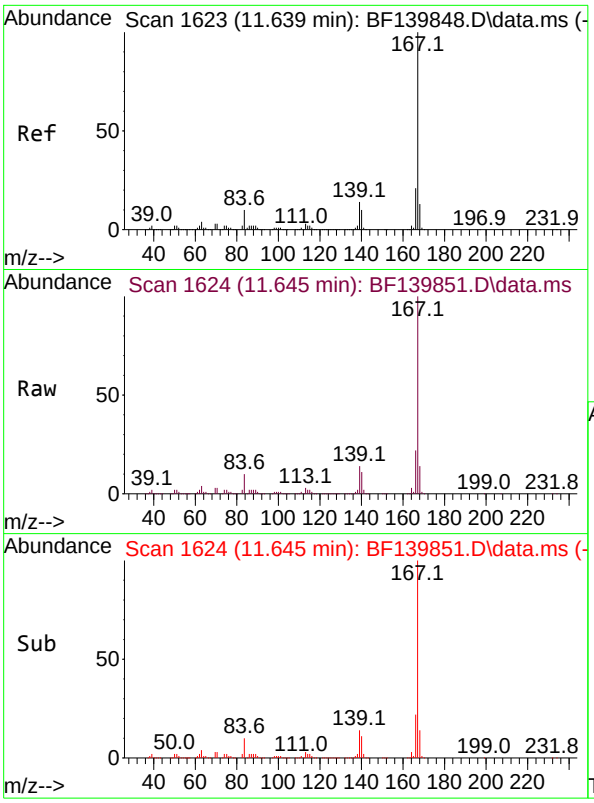


#72
Anthracene
Concen: 68.333 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:178 Resp: 1995750

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.0	12.4	18.6





#73
Carbazole
Concen: 66.943 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

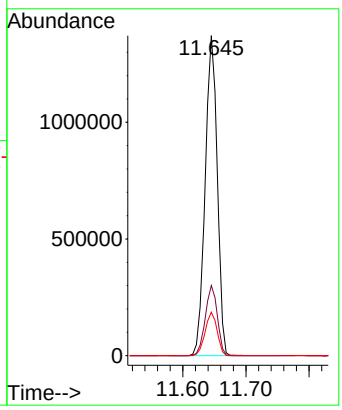
Tgt Ion:167 Resp: 181834

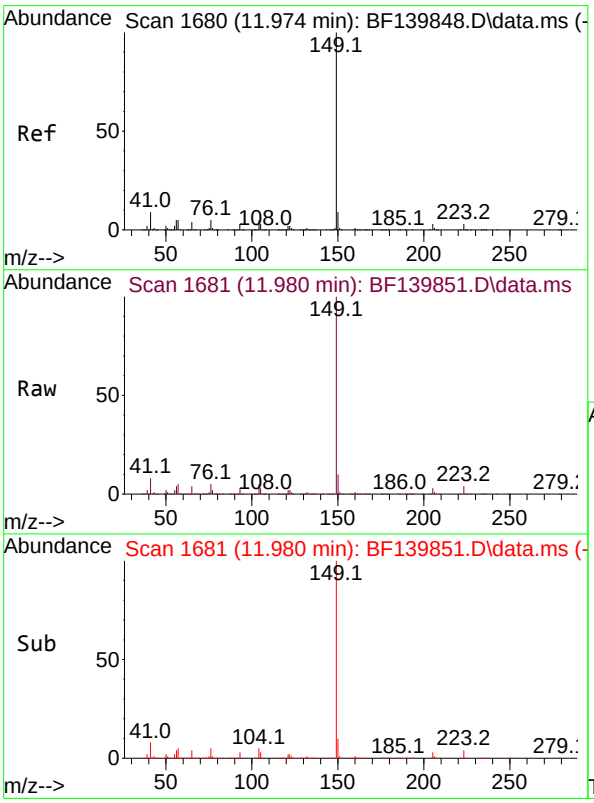
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	13.6	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

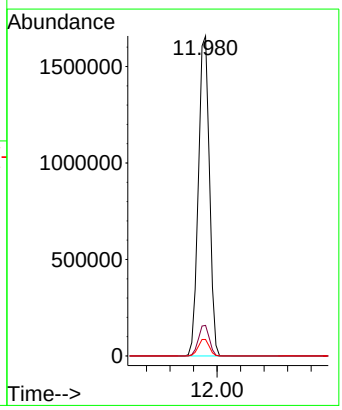


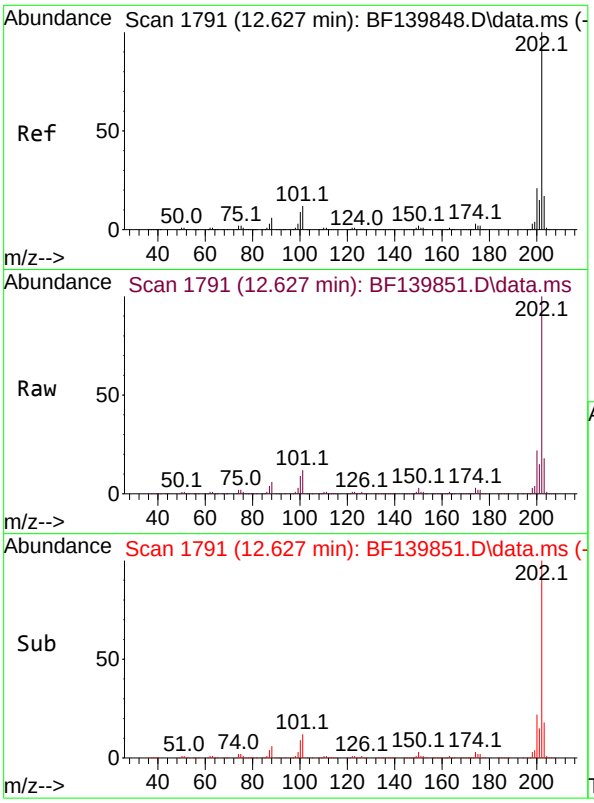


#74
Di-n-butylphthalate
Concen: 68.623 ng
RT: 11.980 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:149 Resp: 2153517

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.2	4.1	6.1

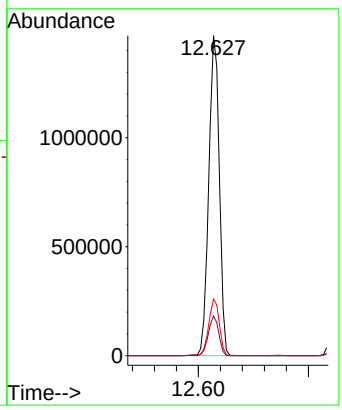




#75
Fluoranthene
Concen: 64.632 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:202 Resp: 195584

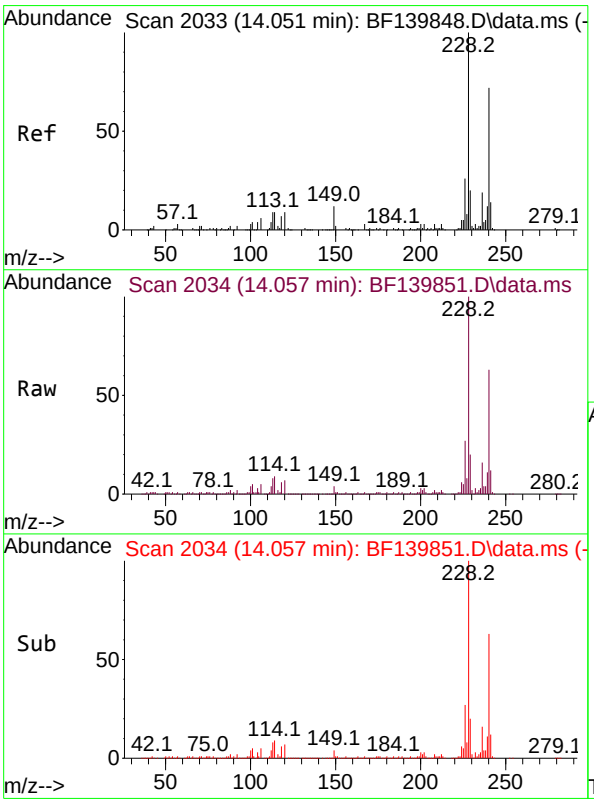
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.9
203	17.7	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

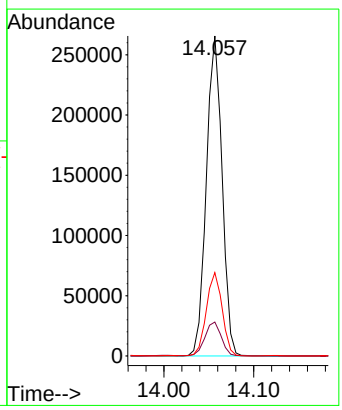
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

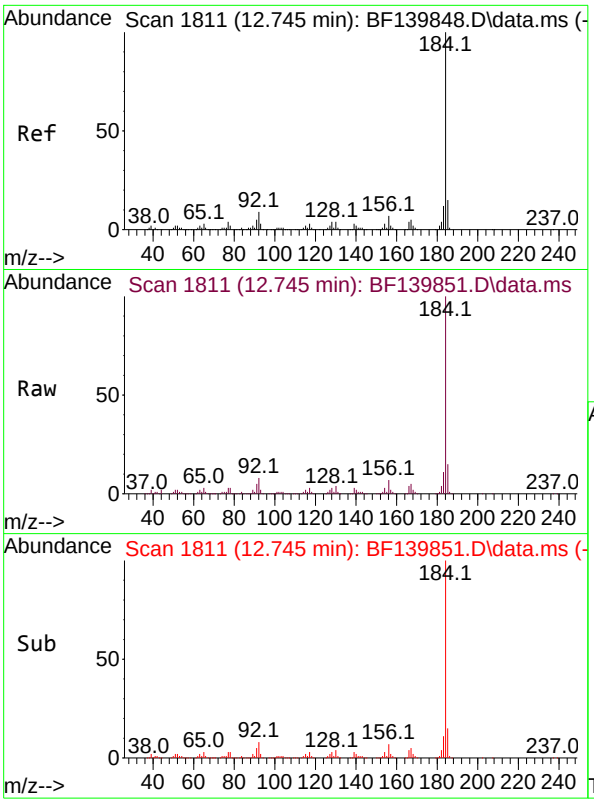


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:240 Resp: 323513

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.4	14.2
236	26.1	20.9	31.3

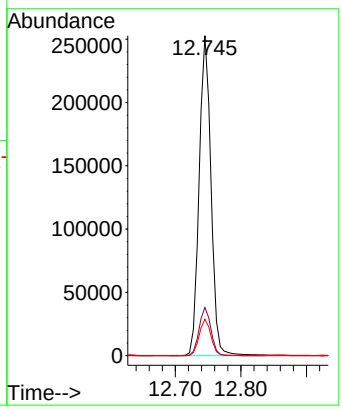




#77
Benzidine
Concen: 60.567 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:184 Resp: 31867

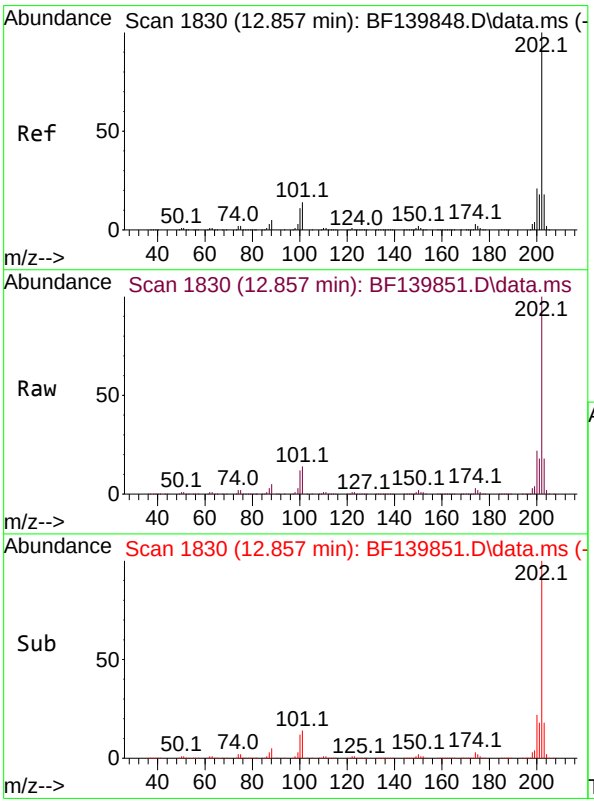
Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.0	18.0
183	11.4	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

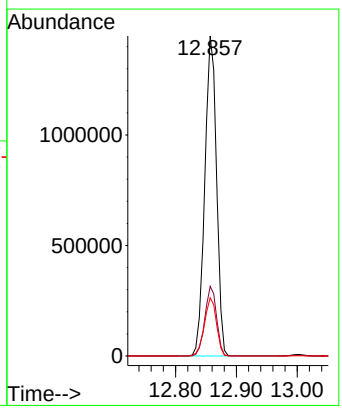
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

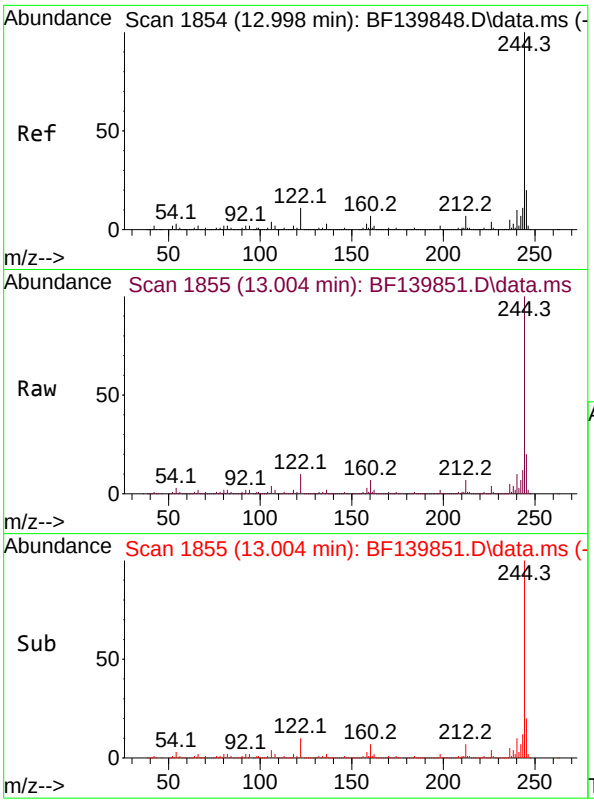


#78
Pyrene
Concen: 68.360 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:202 Resp: 1935829

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	18.2	14.2	21.4

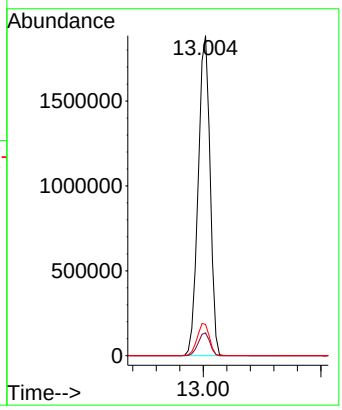




#79
Terphenyl-d14
Concen: 132.704 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:244 Resp: 263467

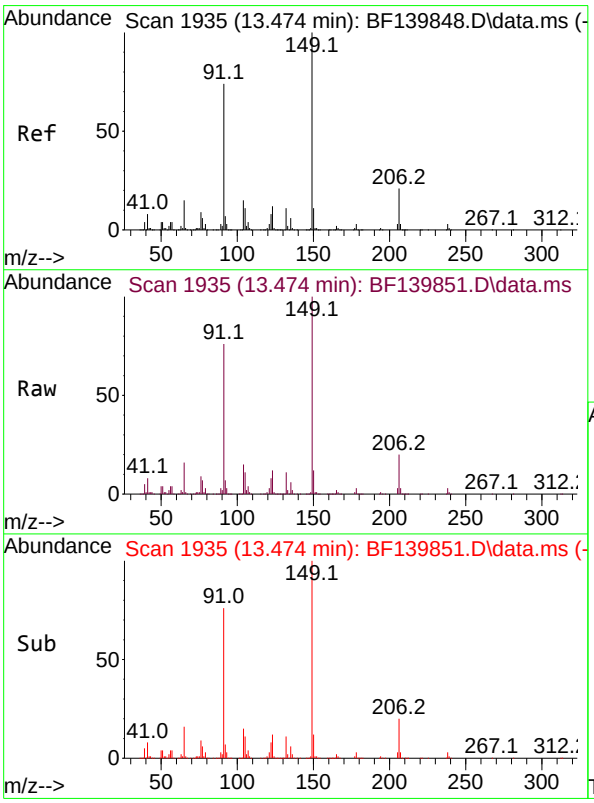
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	9.8	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

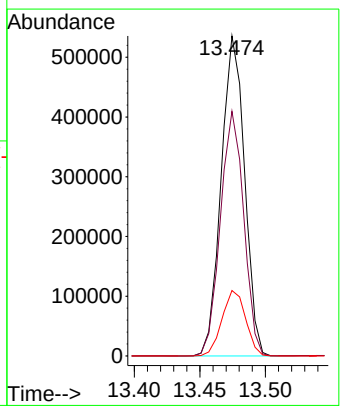
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

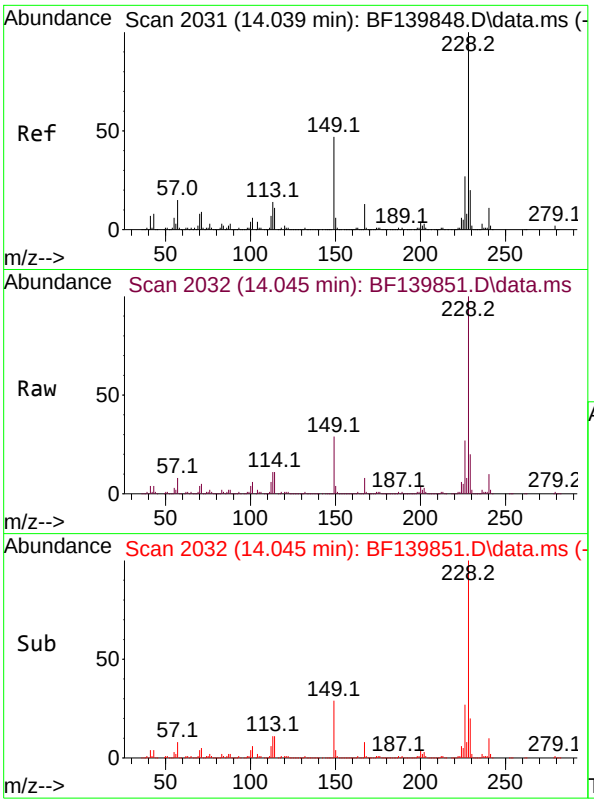


#80
Butylbenzylphthalate
Concen: 78.274 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:149 Resp: 664532

Ion	Ratio	Lower	Upper
149	100		
91	76.5	59.4	89.2
206	20.5	16.4	24.6

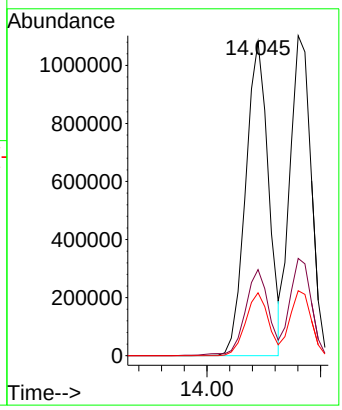




#81
Benzo(a)anthracene
Concen: 71.840 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:228 Resp: 151292

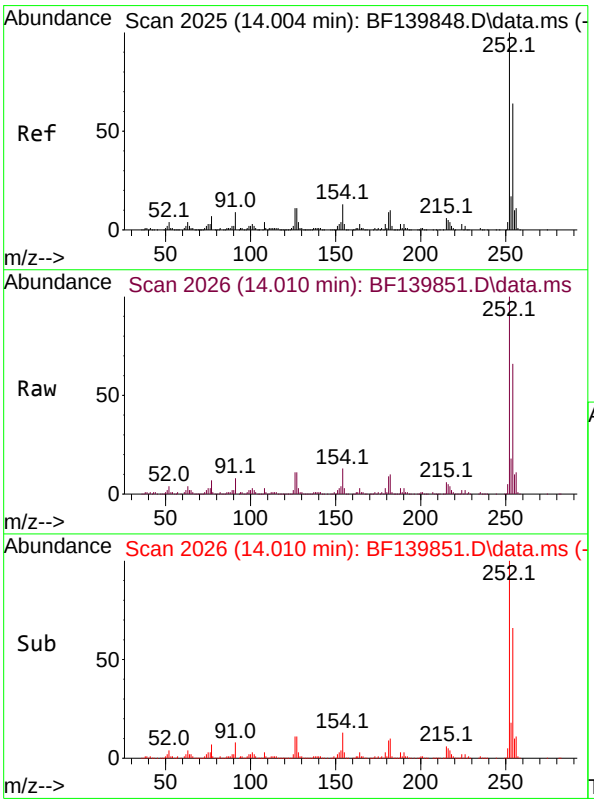
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.6	32.4
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

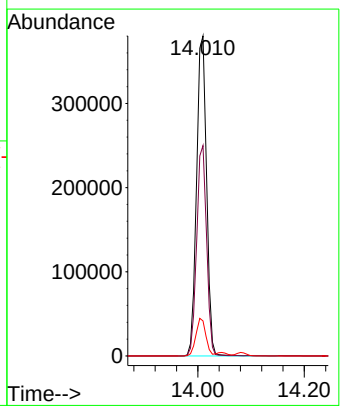
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

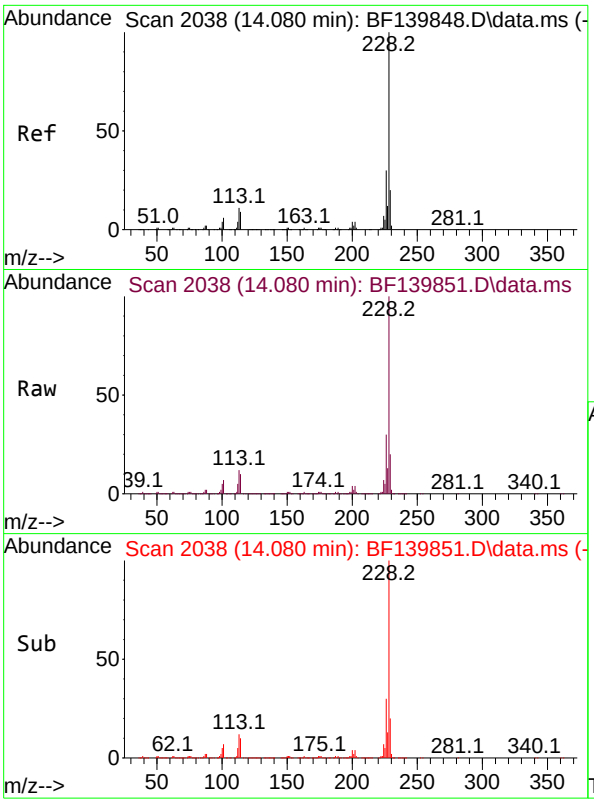


#82
3,3'-Dichlorobenzidine
Concen: 80.937 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:252 Resp: 496976

Ion	Ratio	Lower	Upper
252	100		
254	65.7	50.8	76.2
126	11.0	8.9	13.3

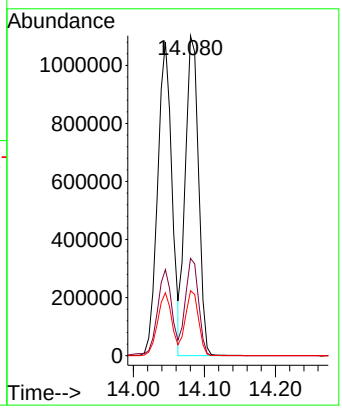




#83
Chrysene
Concen: 73.774 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:228 Resp: 142452

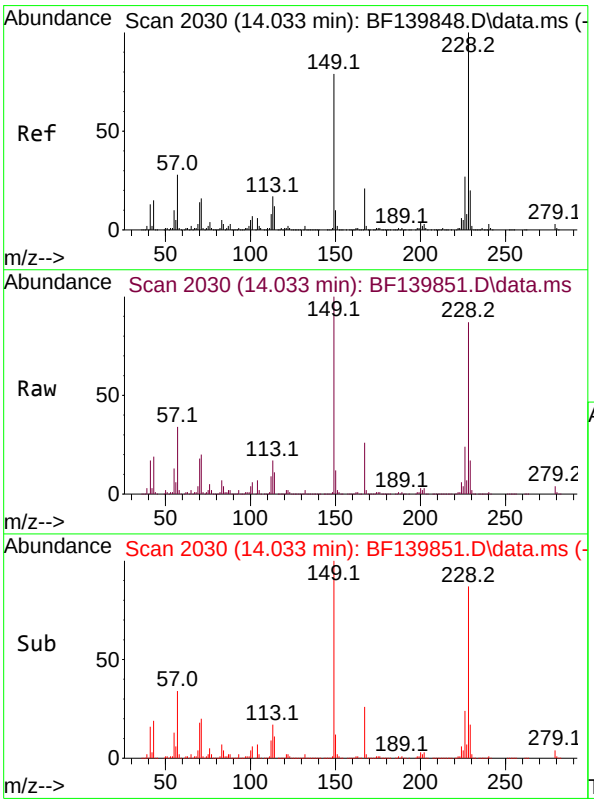
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	20.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

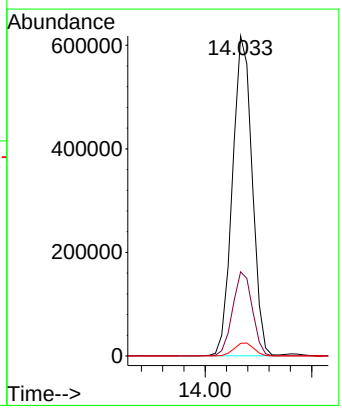
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

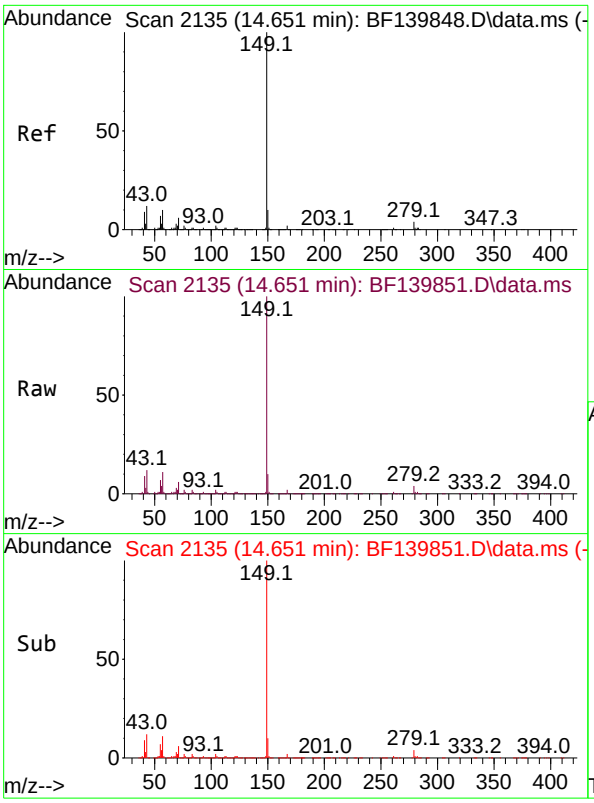


#84
Bis(2-ethylhexyl)phthalate
Concen: 83.399 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:149 Resp: 794387

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.0
279	4.0	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 88.561 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

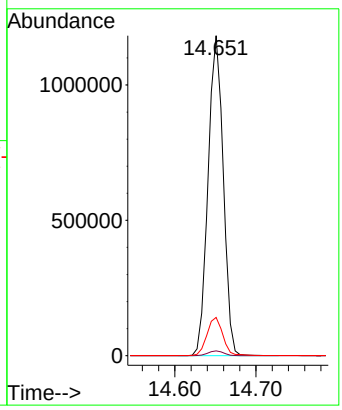
Tgt Ion:149 Resp: 153433

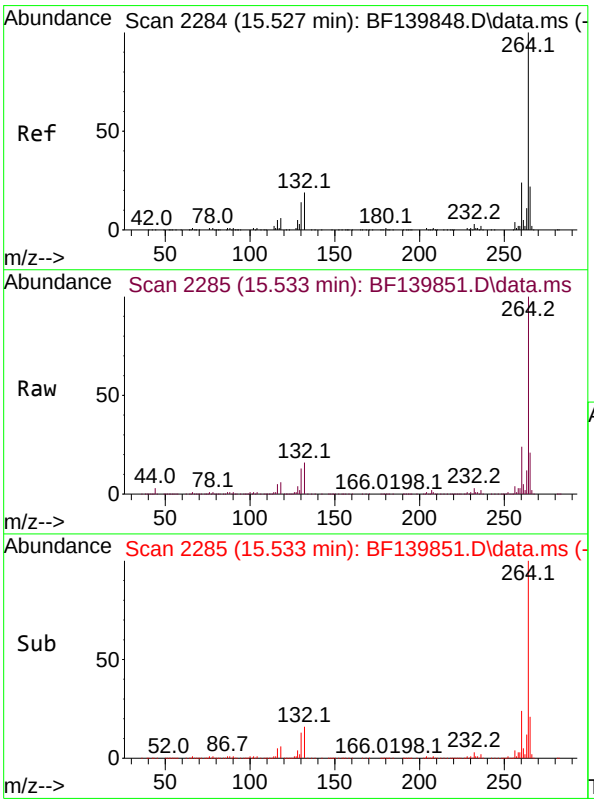
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.4	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

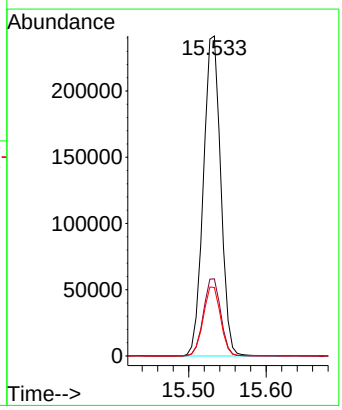


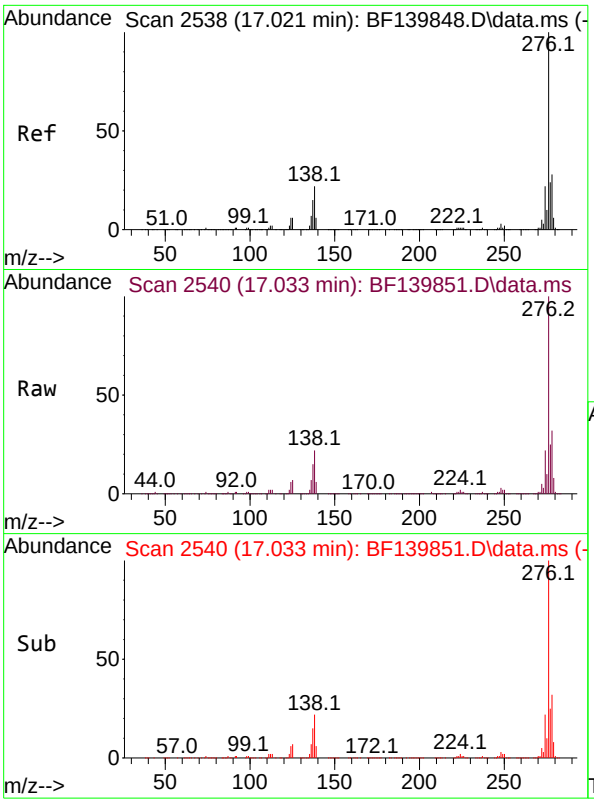


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:264 Resp: 374491

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.4	17.4	26.0

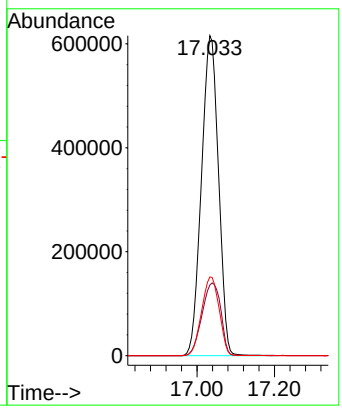




#87
Indeno(1,2,3-cd)pyrene
Concen: 77.935 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:276 Resp: 187761

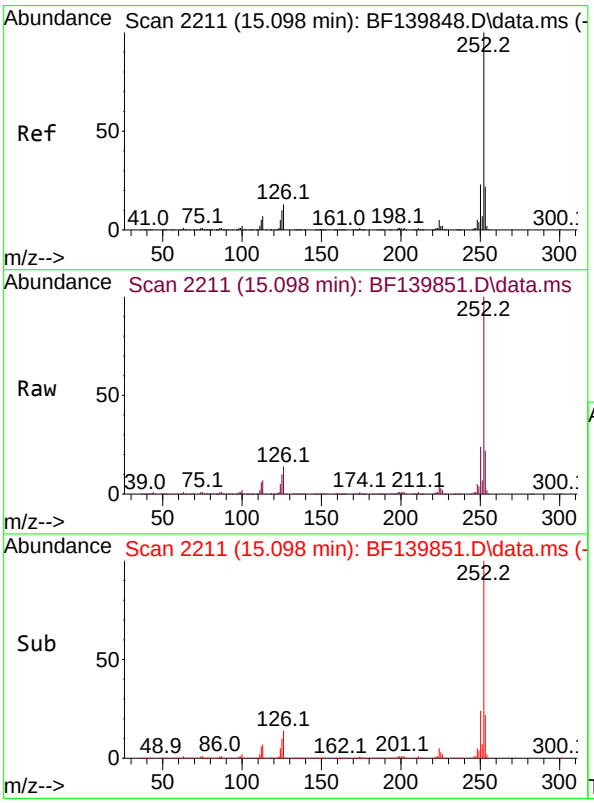
Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.4	30.6
277	25.4	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

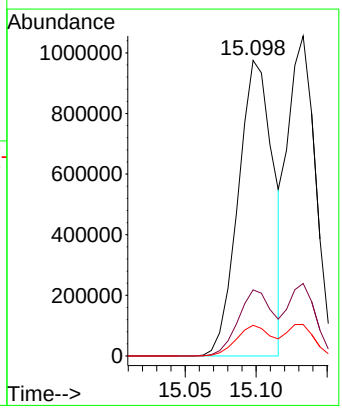
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

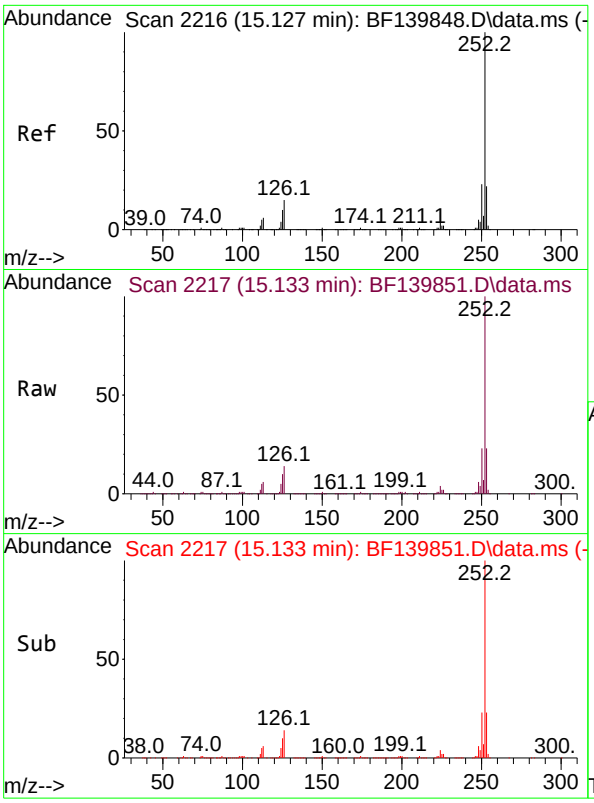


#88
Benzo(b)fluoranthene
Concen: 72.980 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:252 Resp: 1664856

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.4	7.9	11.9

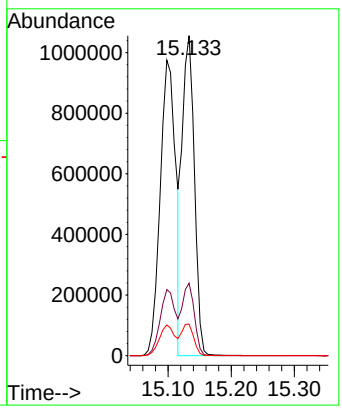




#89
Benzo(k)fluoranthene
Concen: 72.134 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:252 Resp: 141915

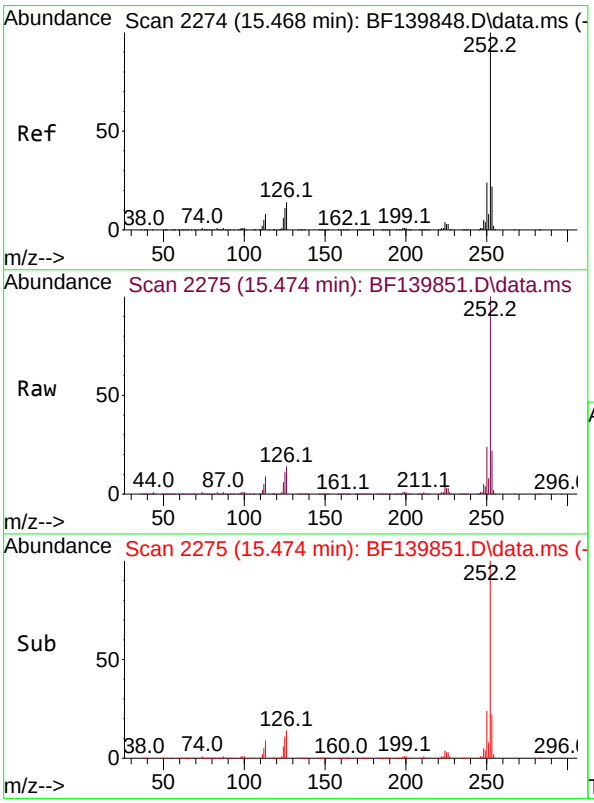
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	9.9	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

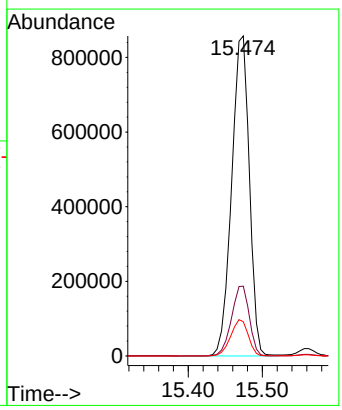
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

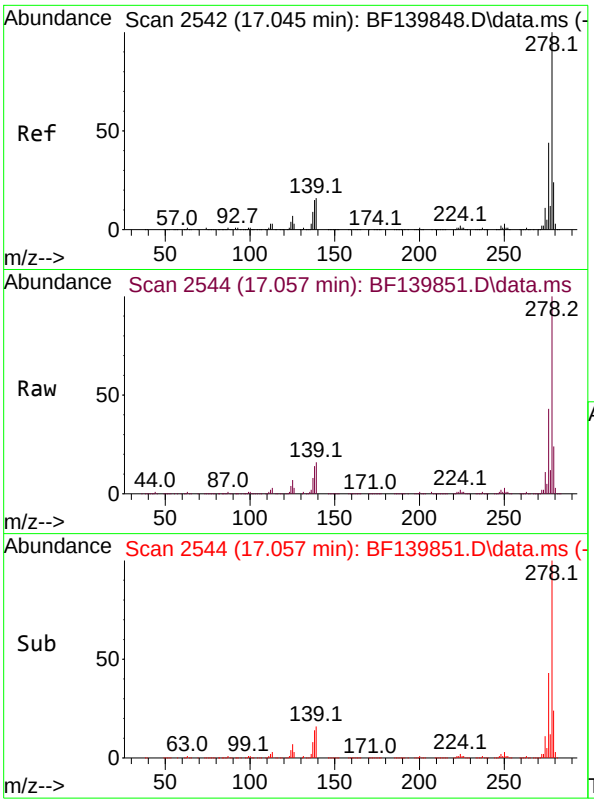


#90
Benzo(a)pyrene
Concen: 75.598 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:252 Resp: 1419026

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	10.7	8.7	13.1

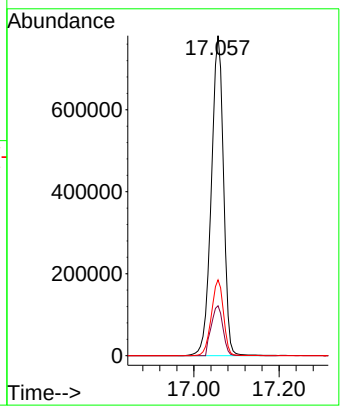




#91
Dibenzo(a,h)anthracene
Concen: 77.226 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:278 Resp: 155209

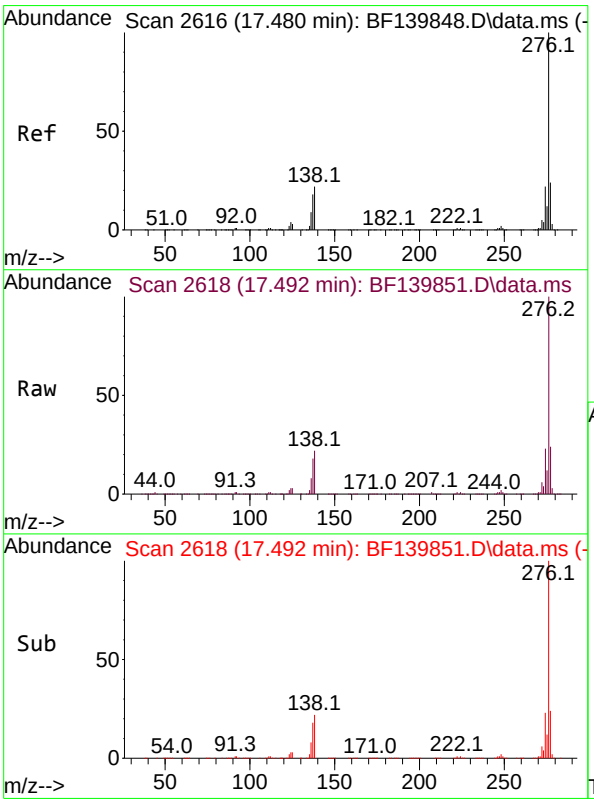
Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.1	19.7
279	23.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

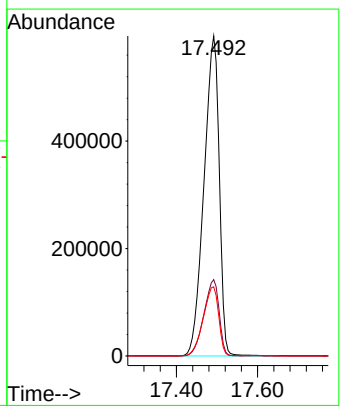
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#92
Benzo(g,h,i)perylene
Concen: 77.240 ng
RT: 17.492 min Scan# 2618
Delta R.T. 0.012 min
Lab File: BF139851.D
Acq: 18 Oct 2024 13:46

Tgt Ion:276 Resp: 1550622

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	21.6	17.4	26.0



Raw Data

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date(s): 10/23/2024 10/23/2024

Calibration Time(s): 12:26 17:02

LAB FILE ID: RRF2.5 = BM048200.D RRF005 = BM048201.D RRF010 = BM048202.D
RRF020 = BM048203.D RRF040 = BM048204.D RRF050 = BM048205.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.238	1.182	1.198	1.216	1.162	1.190	2.6
Benzaldehyde		0.865	0.868	0.830	0.760	0.643	0.761	15.1
Phenol-d6		1.555	1.545	1.578	1.594	1.523	1.550	2.2
Phenol		1.544	1.538	1.584	1.600	1.543	1.559	1.9
bis(2-Chloroethyl)ether		1.238	1.275	1.240	1.281	1.221	1.242	2.3
2-Chlorophenol		1.337	1.282	1.302	1.323	1.264	1.293	2.4
2-Methylphenol		0.992	1.032	1.076	1.067	1.030	1.036	3.0
2,2-oxybis(1-Chloropropane)		1.972	1.875	1.875	1.837	1.751	1.816	5.8
Acetophenone		0.493	0.488	0.505	0.502	0.480	0.488	3.0
3+4-Methylphenols		1.412	1.374	1.453	1.515	1.439	1.435	3.3
n-Nitroso-di-n-propylamine	1.020	1.036	0.993	1.014	1.010	0.945	0.980	5.4
Nitrobenzene-d5		0.347	0.348	0.362	0.369	0.353	0.354	2.6
Hexachloroethane		0.602	0.565	0.556	0.565	0.532	0.555	4.7
Nitrobenzene		0.367	0.363	0.375	0.379	0.365	0.367	2.4
Isophorone		0.652	0.638	0.664	0.672	0.642	0.649	2.6
2-Nitrophenol		0.145	0.151	0.169	0.180	0.178	0.169	9.1
2,4-Dimethylphenol		0.192	0.195	0.210	0.215	0.207	0.206	4.3
bis(2-Chloroethoxy)methane		0.398	0.403	0.422	0.428	0.407	0.411	2.8
2,4-Dichlorophenol		0.270	0.279	0.300	0.311	0.301	0.296	5.2
Naphthalene		1.097	1.048	1.065	1.062	1.012	1.043	3.5
4-Chloroaniline		0.320	0.330	0.367	0.376	0.342	0.338	7.8
Hexachlorobutadiene		0.219	0.212	0.215	0.214	0.203	0.210	3.3
Caprolactam		0.087	0.089	0.097	0.104	0.097	0.096	6.3
4-Chloro-3-methylphenol		0.291	0.296	0.318	0.324	0.309	0.309	3.9
2-Methylnaphthalene		0.726	0.694	0.719	0.716	0.678	0.697	3.6
Hexachlorocyclopentadiene		0.179	0.187	0.195	0.202	0.200	0.193	4.4
2,4,6-Trichlorophenol		0.357	0.369	0.382	0.394	0.381	0.379	3.4
2-Fluorobiphenyl		1.391	1.358	1.338	1.333	1.258	1.303	5.5
2,4,5-Trichlorophenol		0.411	0.407	0.420	0.441	0.423	0.423	2.9
1,1-Biphenyl		1.476	1.458	1.454	1.454	1.396	1.428	3.1
2-Chloronaphthalene		1.153	1.136	1.139	1.149	1.108	1.126	2.5
2-Nitroaniline		0.258	0.279	0.309	0.329	0.319	0.305	8.8
Dimethylphthalate		1.451	1.384	1.382	1.396	1.306	1.365	4.0
Acenaphthylene		1.661	1.634	1.674	1.693	1.613	1.643	2.3

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date(s): 10/23/2024 10/23/2024

Calibration Time(s): 12:26 17:02

LAB FILE ID: RRF2.5 = BM048200.D RRF005 = BM048201.D RRF010 = BM048202.D
RRF020 = BM048203.D RRF040 = BM048204.D RRF050 = BM048205.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.273	0.290	0.312	0.321	0.310	0.305	5.6
3-Nitroaniline		0.229	0.265	0.300	0.321	0.305	0.287	10.7
Acenaphthene		1.098	1.062	1.058	1.064	1.018	1.044	3.7
2,4-Dinitrophenol			0.136	0.164	0.188	0.189	0.178	13.2
4-Nitrophenol			0.203	0.245	0.277	0.266	0.256	11.1
Dibenzofuran		1.766	1.710	1.701	1.702	1.590	1.658	5.0
2,4-Dinitrotoluene		0.338	0.371	0.406	0.437	0.417	0.402	8.8
Diethylphthalate		1.445	1.389	1.397	1.424	1.340	1.382	3.4
4-Chlorophenyl-phenylether		0.700	0.687	0.685	0.671	0.623	0.656	6.1
Fluorene		1.412	1.361	1.378	1.351	1.248	1.311	6.6
4-Nitroaniline		0.213	0.247	0.300	0.339	0.320	0.297	16.4
4,6-Dinitro-2-methylphenol		0.087	0.098	0.116	0.129	0.124	0.116	14.7
n-Nitrosodiphenylamine		0.549	0.556	0.565	0.570	0.538	0.549	3.0
2,4,6-Tribromophenol		0.241	0.246	0.252	0.259	0.240	0.245	3.4
4-Bromophenyl-phenylether		0.205	0.205	0.204	0.208	0.199	0.203	2.1
Hexachlorobenzene		0.252	0.249	0.245	0.251	0.236	0.244	3.2
Atrazine		0.176	0.172	0.150	0.186	0.111	0.154	19.4
Pentachlorophenol		0.145	0.150	0.161	0.172	0.160	0.160	5.9
Phenanthrene		1.043	1.012	1.008	1.017	0.953	0.990	4.1
Anthracene		0.960	0.952	0.985	0.998	0.944	0.959	2.8
Carbazole		0.911	0.923	0.958	0.994	0.927	0.940	3.2
Di-n-butylphthalate		1.131	1.114	1.164	1.241	1.170	1.170	3.7
Fluoranthene		1.236	1.185	1.210	1.223	1.137	1.181	3.8
Pyrene		1.336	1.312	1.332	1.358	1.335	1.339	1.4
Terphenyl-d14		1.013	1.003	1.005	1.009	0.955	0.980	4.0
Butylbenzylphthalate		0.490	0.502	0.542	0.589	0.583	0.560	8.7
3,3-Dichlorobenzidine		0.432	0.435	0.442	0.473	0.427	0.438	3.8
Benzo(a)anthracene		1.299	1.258	1.277	1.297	1.264	1.278	1.5
Chrysene		1.273	1.224	1.242	1.244	1.203	1.227	2.5
Bis(2-ethylhexyl)phthalate		0.735	0.758	0.813	0.861	0.839	0.814	6.1
Di-n-octyl phthalate		1.206	1.220	1.357	1.491	1.485	1.409	10.6
Benzo(b)fluoranthene		1.142	1.113	1.179	1.182	1.148	1.147	2.3
Benzo(k)fluoranthene		1.134	1.146	1.109	1.147	1.054	1.109	3.8
Benzo(a)pyrene		0.983	0.965	1.007	1.034	0.990	0.997	2.4
Indeno(1,2,3-cd)pyrene		1.293	1.288	1.343	1.373	1.305	1.323	2.6

All other compounds must meet a minimum RRF of 0.010.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date(s): 10/23/2024 10/23/2024

Calibration Time(s): 12:26 17:02

LAB FILE ID: RRF2.5 = BM048200.D RRF005 = BM048201.D RRF010 = BM048202.D
RRF020 = BM048203.D RRF040 = BM048204.D RRF050 = BM048205.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.093	1.074	1.122	1.147	1.086	1.101	2.6
Benzo(g,h,i)perylene		1.131	1.099	1.138	1.156	1.111	1.128	2.1
1,2,4,5-Tetrachlorobenzene		0.588	0.575	0.572	0.578	0.563	0.572	1.9
1,4-Dioxane		0.538	0.529	0.508	0.502	0.451	0.487	8.7
2,3,4,6-Tetrachlorophenol		0.356	0.353	0.355	0.370	0.337	0.351	3.3

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 23 18:21:59 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM048200.D 5 =BM048201.D 10 =BM048202.D 20 =BM048203.D 40 =BM048204.D 50 =BM048205.D 60 =BM048206.D 80 =BM0482
07.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.538	0.529	0.508	0.502	0.451	0.449	0.433	0.487	8.69
3)		Pyridine		1.311	1.326	1.338	1.329	1.248	1.275	1.228	1.294	3.35
4)		n-Nitrosodimet...		0.571	0.549	0.566	0.572	0.535	0.537	0.515	0.549	3.94
5)	S	2-Fluorophenol		1.238	1.182	1.198	1.216	1.162	1.185	1.148	1.190	2.59
6)		Aniline		1.385	1.370	1.370	1.385	1.235	1.196	1.063	1.286	9.76
7)	S	Phenol-d6		1.555	1.545	1.578	1.594	1.523	1.562	1.490	1.550	2.25
8)		2-Chlorophenol		1.337	1.282	1.302	1.323	1.264	1.295	1.247	1.293	2.44
9)		Benzaldehyde		0.865	0.868	0.830	0.760	0.643	0.602		0.761	15.15
10)	C	Phenol		1.544	1.538	1.584	1.600	1.543	1.585	1.519	1.559	1.93
11)		bis(2-Chloroet...		1.238	1.275	1.240	1.281	1.221	1.238	1.199	1.242	2.30
12)		1,3-Dichlorobe...		1.600	1.532	1.516	1.512	1.428	1.452	1.392	1.490	4.75
13)	C	1,4-Dichlorobe...		1.638	1.571	1.534	1.517	1.454	1.469	1.415	1.514	5.01
14)		1,2-Dichlorobe...		1.573	1.528	1.497	1.483	1.400	1.410	1.351	1.463	5.39
15)		Benzyl Alcohol		0.902	0.943	1.011	1.045	1.010	1.024	0.985	0.989	5.06
16)		2,2'-oxybis(1-...		1.972	1.875	1.875	1.837	1.751	1.747	1.657	1.816	5.78
17)		2-Methylphenol		0.992	1.032	1.076	1.067	1.030	1.052	1.003	1.036	3.01
18)		Hexachloroethane		0.602	0.565	0.556	0.565	0.532	0.542	0.523	0.555	4.72
19)	P	n-Nitroso-di-n...	1.020	1.036	0.993	1.014	1.010	0.945	0.944	0.881	0.980	5.36
20)		3+4-Methylphenols		1.412	1.374	1.453	1.515	1.439	1.461	1.391	1.435	3.31
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.493	0.488	0.505	0.502	0.480	0.487	0.461	0.488	3.01
23)	S	Nitrobenzene-d5		0.347	0.348	0.362	0.369	0.353	0.358	0.342	0.354	2.64
24)		Nitrobenzene		0.367	0.363	0.375	0.379	0.365	0.367	0.352	0.367	2.36
25)		Isophorone		0.652	0.638	0.664	0.672	0.642	0.654	0.623	0.649	2.56
26)	C	2-Nitrophenol		0.145	0.151	0.169	0.180	0.178	0.183	0.180	0.169	9.13
27)		2,4-Dimethylph...		0.192	0.195	0.210	0.215	0.207	0.213	0.207	0.206	4.34
28)		bis(2-Chloroet...		0.398	0.403	0.422	0.428	0.407	0.415	0.401	0.411	2.77
29)	C	2,4-Dichloroph...		0.270	0.279	0.300	0.311	0.301	0.309	0.300	0.296	5.24
30)		1,2,4-Trichlor...		0.350	0.335	0.345	0.344	0.332	0.338	0.327	0.339	2.47
31)		Naphthalene		1.097	1.048	1.065	1.062	1.012	1.031	0.986	1.043	3.52
32)		Benzoic acid		0.189	0.191	0.212	0.248	0.244	0.259	0.258	0.229	13.37
33)		4-Chloroaniline		0.320	0.330	0.367	0.376	0.342	0.336	0.299	0.338	7.83
34)	C	Hexachlorobuta...		0.219	0.212	0.215	0.214	0.203	0.207	0.199	0.210	3.32
35)		Caprolactam		0.087	0.089	0.097	0.104	0.097	0.101	0.098	0.096	6.29
36)	C	4-Chloro-3-met...		0.291	0.296	0.318	0.324	0.309	0.316	0.307	0.309	3.91
37)		2-Methylnaphth...		0.726	0.694	0.719	0.716	0.678	0.688	0.657	0.697	3.58
38)		1-Methylnaphth...		0.724	0.692	0.707	0.712	0.669	0.686	0.648	0.691	3.76

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.588	0.575	0.572	0.578	0.563	0.571	0.555	0.572	1.87
41)	P	Hexachlorocycl...	0.179	0.187	0.195	0.202	0.200	0.201	0.191	0.193	4.41
42)	S	2,4,6-Tribromo...	0.241	0.246	0.252	0.259	0.240	0.243	0.233	0.245	3.44
43)	C	2,4,6-Trichlor...	0.357	0.369	0.382	0.394	0.381	0.391	0.382	0.379	3.39
44)		2,4,5-Trichlor...	0.411	0.407	0.420	0.441	0.423	0.437	0.423	0.423	2.93
45)	S	2-Fluorobiphenyl	1.391	1.358	1.338	1.333	1.258	1.261	1.185	1.303	5.49
46)		1,1'-Biphenyl	1.476	1.458	1.454	1.454	1.396	1.407	1.351	1.428	3.11
47)		2-Chloronaphth...	1.153	1.136	1.139	1.149	1.108	1.124	1.072	1.126	2.51
48)		2-Nitroaniline	0.258	0.279	0.309	0.329	0.319	0.327	0.316	0.305	8.82
49)		Acenaphthylene	1.661	1.634	1.674	1.693	1.613	1.643	1.580	1.643	2.32
50)		Dimethylphthalate	1.451	1.384	1.382	1.396	1.306	1.345	1.293	1.365	4.01
51)		2,6-Dinitrotol...	0.273	0.290	0.312	0.321	0.310	0.317	0.309	0.305	5.61
52)	C	Acenaphthene	1.098	1.062	1.058	1.064	1.018	1.023	0.983	1.044	3.65
53)		3-Nitroaniline	0.229	0.265	0.300	0.321	0.305	0.304	0.289	0.287	10.74
54)	P	2,4-Dinitrophenol		0.136	0.164	0.188	0.189	0.196	0.195	0.178	13.24
55)		Dibenzofuran	1.766	1.710	1.701	1.702	1.590	1.608	1.529	1.658	5.03
56)	P	4-Nitrophenol		0.203	0.245	0.277	0.266	0.275	0.272	0.256	11.11
57)		2,4-Dinitrotol...	0.338	0.371	0.406	0.437	0.417	0.429	0.418	0.402	8.82
58)		Fluorene	1.412	1.361	1.378	1.351	1.248	1.253	1.176	1.311	6.56
59)		2,3,4,6-Tetrac...	0.356	0.353	0.355	0.370	0.337	0.346	0.338	0.351	3.26
60)		Diethylphthalate	1.445	1.389	1.397	1.424	1.340	1.370	1.311	1.382	3.36
61)		4-Chlorophenyl...	0.700	0.687	0.685	0.671	0.623	0.630	0.594	0.656	6.09
62)		4-Nitroaniline	0.213	0.247	0.300	0.339	0.320	0.334	0.328	0.297	16.35
63)		Azobenzene	1.196	1.238	1.287	1.314	1.224	1.236	1.180	1.239	3.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.087	0.098	0.116	0.129	0.124	0.129	0.128	0.116	14.66
66)	c	n-Nitrosodiphe...	0.549	0.556	0.565	0.570	0.538	0.546	0.521	0.549	3.01
67)		4-Bromophenyl-...	0.205	0.205	0.204	0.208	0.199	0.203	0.195	0.203	2.09
68)		Hexachlorobenzene	0.252	0.249	0.245	0.251	0.236	0.240	0.232	0.244	3.16
69)		Atrazine	0.176	0.172	0.150	0.186	0.111	0.128		0.154	19.35
70)	C	Pentachlorophenol	0.145	0.150	0.161	0.172	0.160	0.166	0.164	0.160	5.93
71)		Phenanthrene	1.043	1.012	1.008	1.017	0.953	0.969	0.930	0.990	4.08
72)		Anthracene	0.960	0.952	0.985	0.998	0.944	0.955	0.916	0.959	2.80
73)		Carbazole	0.911	0.923	0.958	0.994	0.927	0.953	0.911	0.940	3.23
74)		Di-n-butylphth...	1.131	1.114	1.164	1.241	1.170	1.208	1.161	1.170	3.68
75)	C	Fluoranthene	1.236	1.185	1.210	1.223	1.137	1.162	1.117	1.181	3.80
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.417	0.269	0.107	0.344	0.155	0.101	0.223	0.231	52.15
78)		Pyrene	1.336	1.312	1.332	1.358	1.335	1.370	1.329	1.339	1.42
79)	S	Terphenyl-d14	1.013	1.003	1.005	1.009	0.955	0.969	0.907	0.980	3.98
80)		Butylbenzylpht...	0.490	0.502	0.542	0.589	0.583	0.612	0.600	0.560	8.68
81)		Benzo(a)anthra...	1.299	1.258	1.277	1.297	1.264	1.294	1.257	1.278	1.47
82)		3,3'-Dichlorob...	0.432	0.435	0.442	0.473	0.427	0.434	0.422	0.438	3.84
83)		Chrysene	1.273	1.224	1.242	1.244	1.203	1.224	1.177	1.227	2.50
84)		Bis(2-ethylhex...	0.735	0.758	0.813	0.861	0.839	0.866	0.823	0.814	6.15
85)	c	Di-n-octyl pht...	1.206	1.220	1.357	1.491	1.485	1.556	1.548	1.409	10.57

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.293	1.288	1.343	1.373	1.305	1.355	1.300	1.323	2.56
88)		Benzo(b)fluora...	1.142	1.113	1.179	1.182	1.148	1.142	1.121	1.147	2.27
89)		Benzo(k)fluora...	1.134	1.146	1.109	1.147	1.054	1.123	1.047	1.109	3.77
90)	C	Benzo(a)pyrene	0.983	0.965	1.007	1.034	0.990	1.018	0.982	0.997	2.40
91)		Dibenzo(a,h)an...	1.093	1.074	1.122	1.147	1.086	1.118	1.069	1.101	2.58
92)		Benzo(g,h,i)pe...	1.131	1.099	1.138	1.156	1.111	1.156	1.103	1.128	2.11

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048200.D
Acq On : 23 Oct 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 23 18:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:16:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	147523	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	604204	20.000	ng	0.00
39) Acenaphthene-d10	14.368	164	400925	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	825013	20.000	ng	0.00
76) Chrysene-d12	21.339	240	792458	20.000	ng	0.00
86) Perylene-d12	24.291	264	914914	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...	8.533	70	18808	2.601	ng	95

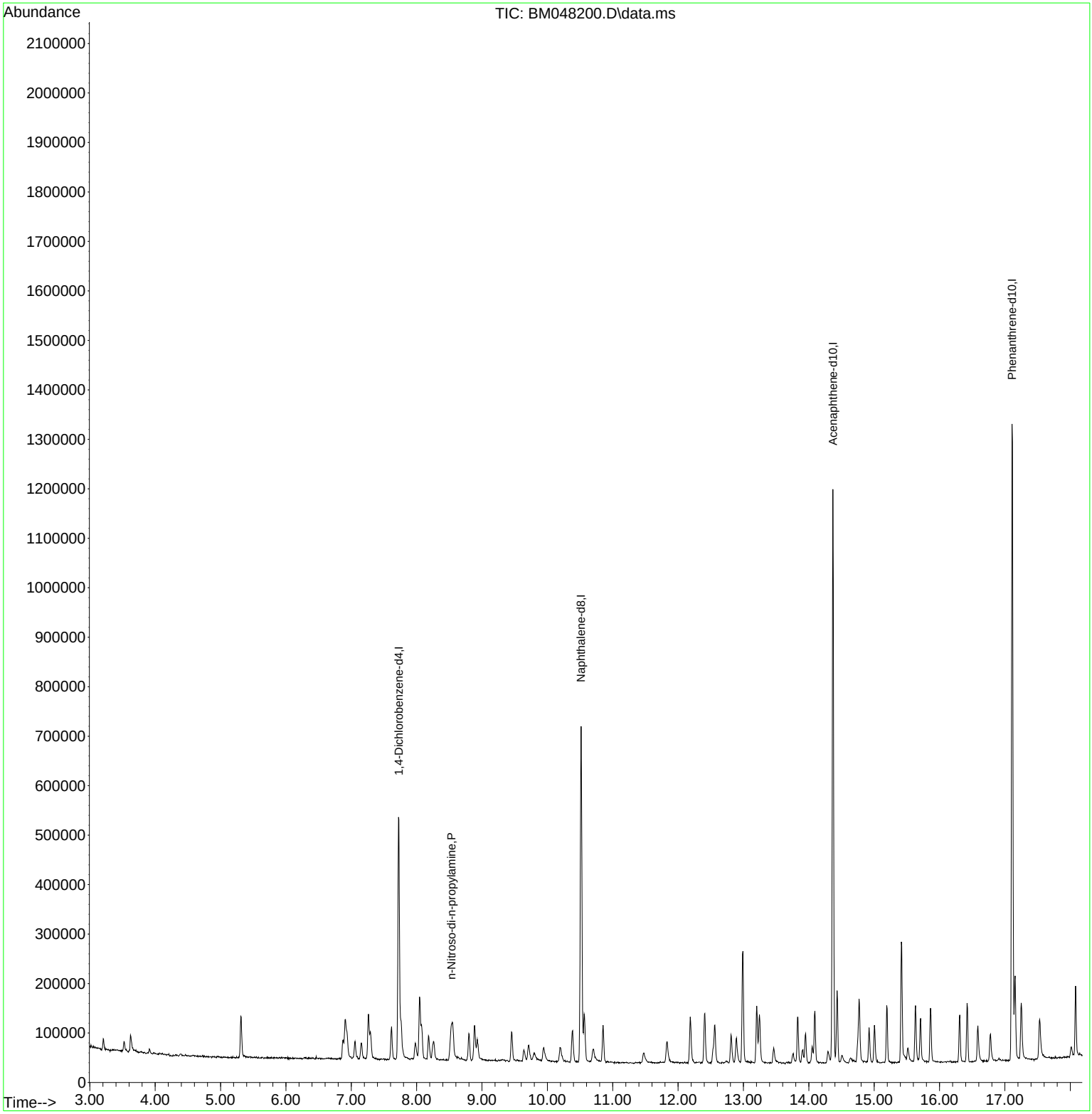
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048200.D
Acq On : 23 Oct 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 23 18:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:16:36 2024
Response via : Initial Calibration

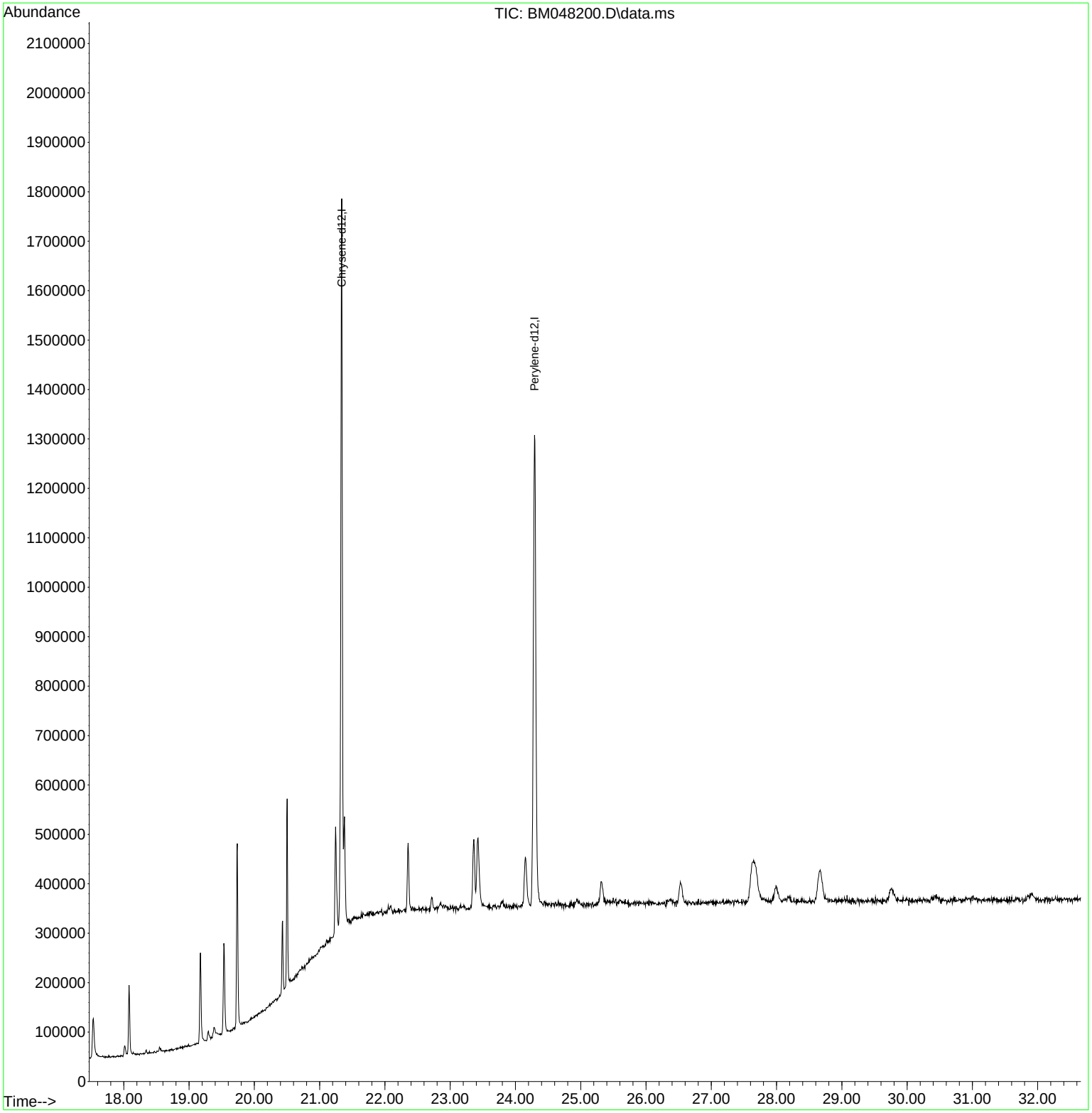


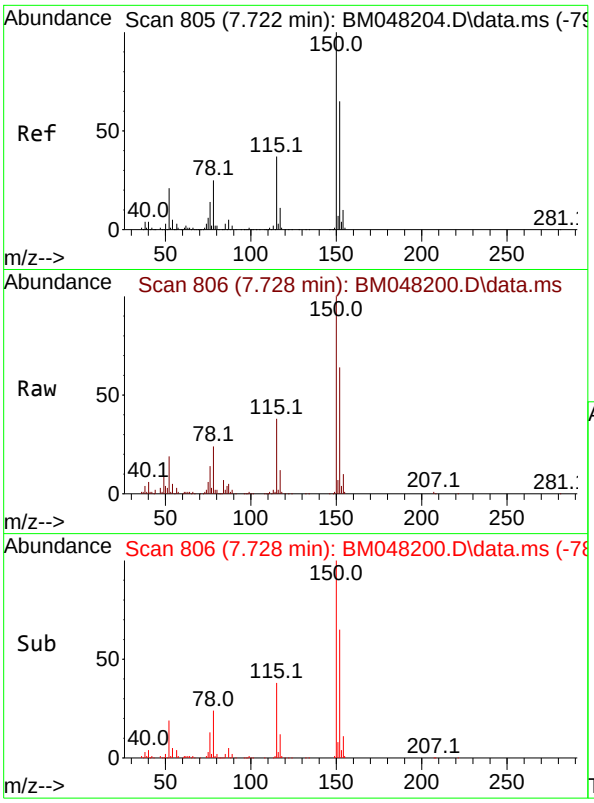
ICAL Form

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Data File : BM048200.D
Acq On : 23 Oct 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 23 18:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:16:36 2024
Response via : Initial Calibration



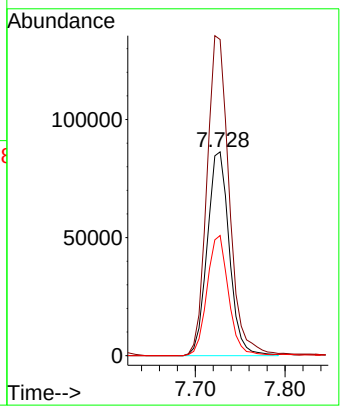


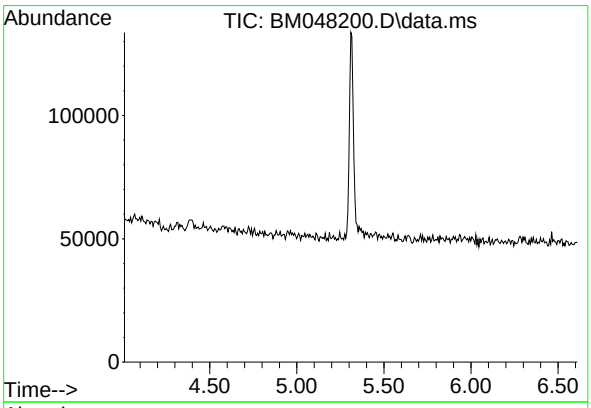
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 147523

Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.0	184.6
115	58.9	45.8	68.6



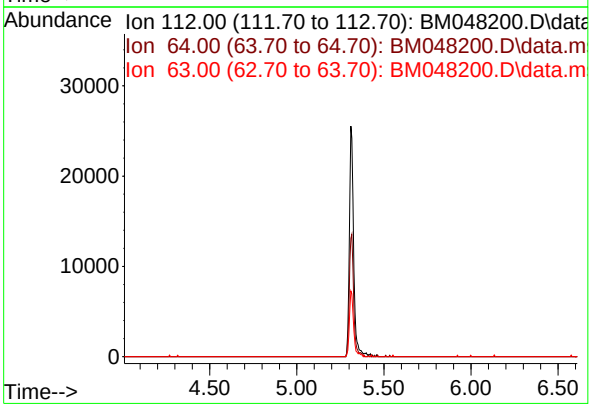


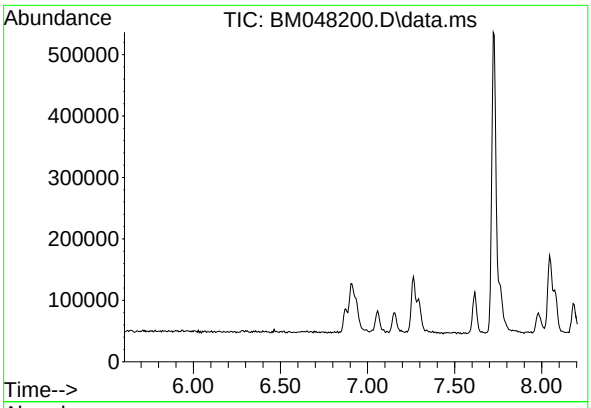
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.31 min

Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.2
63	28.4





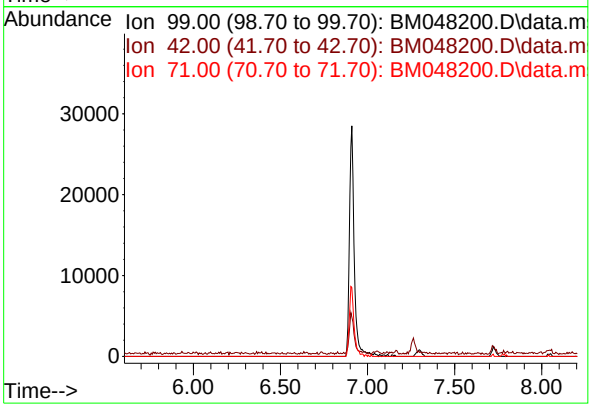
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.90 min

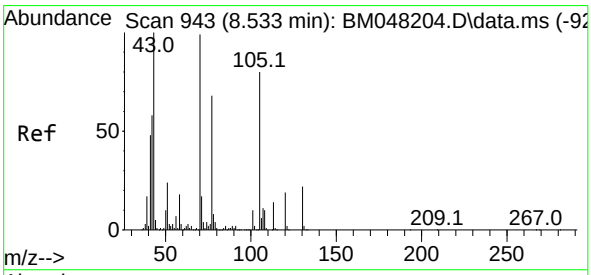
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

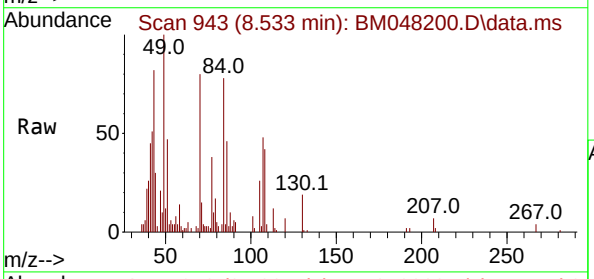
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

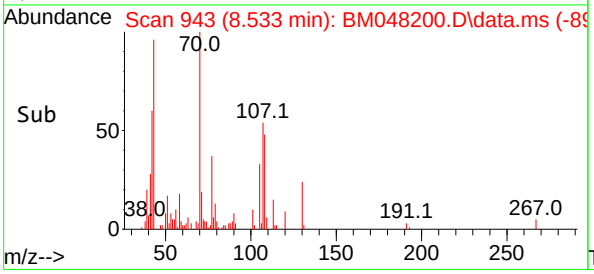
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.3
71	31.1





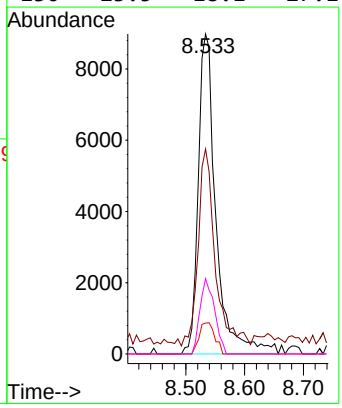


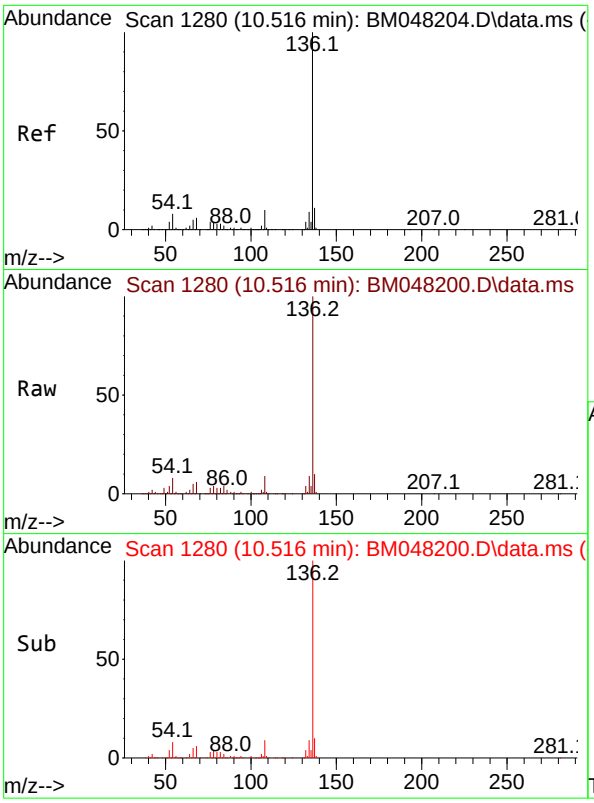


#19
n-Nitroso-di-n-propylamine
Concen: 2.601 ng
RT: 8.533 min Scan# 943
Delta R.T. 0.000 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Tgt Ion: 70 Resp: 18808

Ion	Ratio	Lower	Upper
70	100		
42	64.0	47.0	70.6
101	9.7	7.8	11.6
130	23.5	18.1	27.1



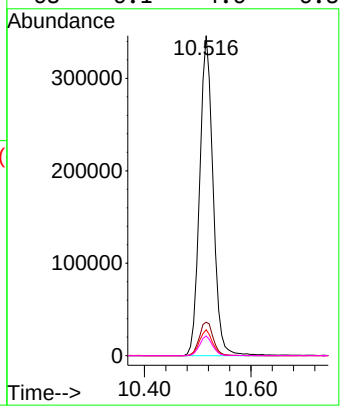


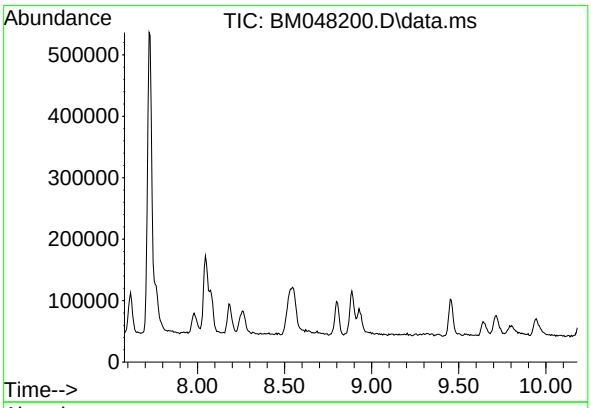
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 604204

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	8.1	6.5	9.7
68	6.1	4.6	6.8



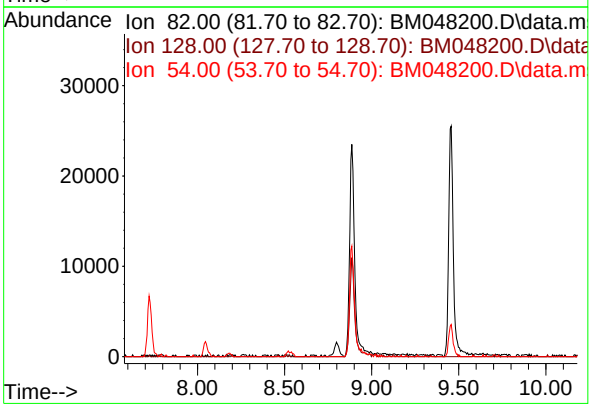


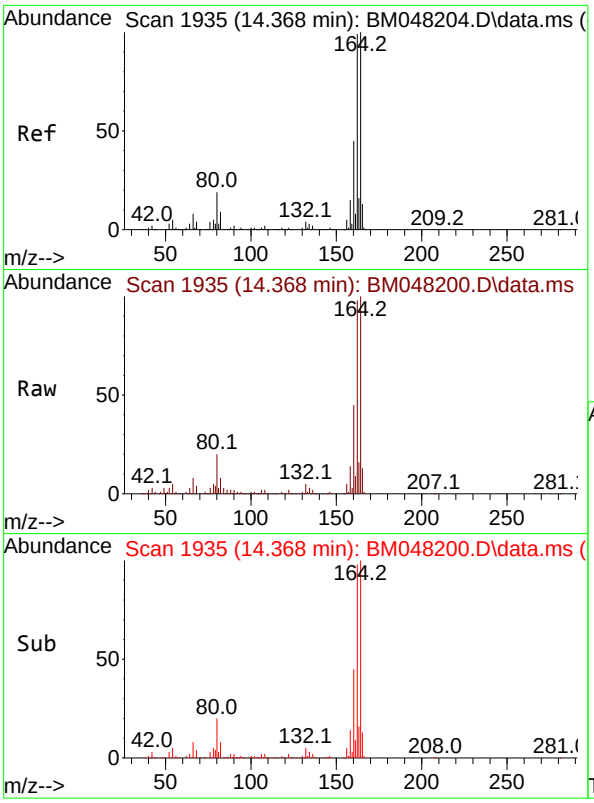
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.88 min

Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.7
54	51.2



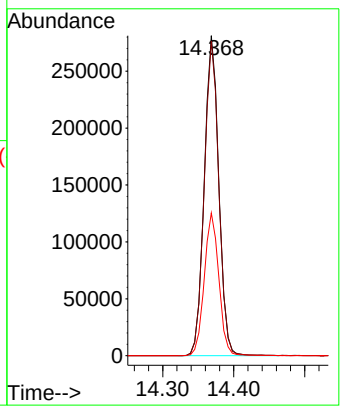


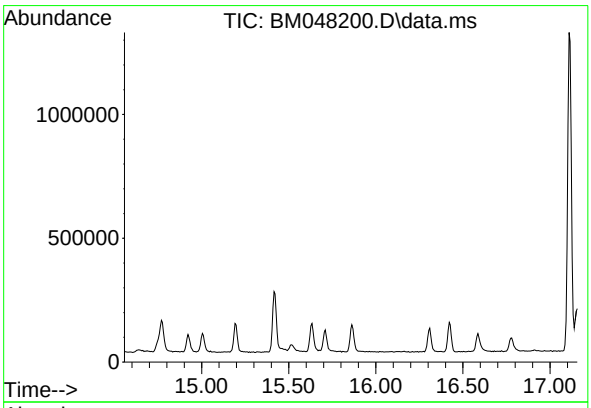
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 400925

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.1	118.7
160	44.6	35.8	53.8



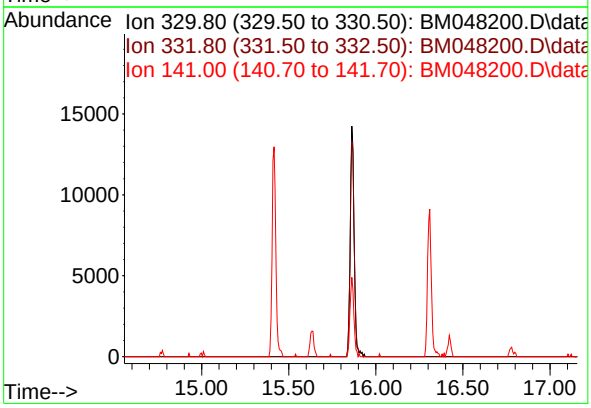


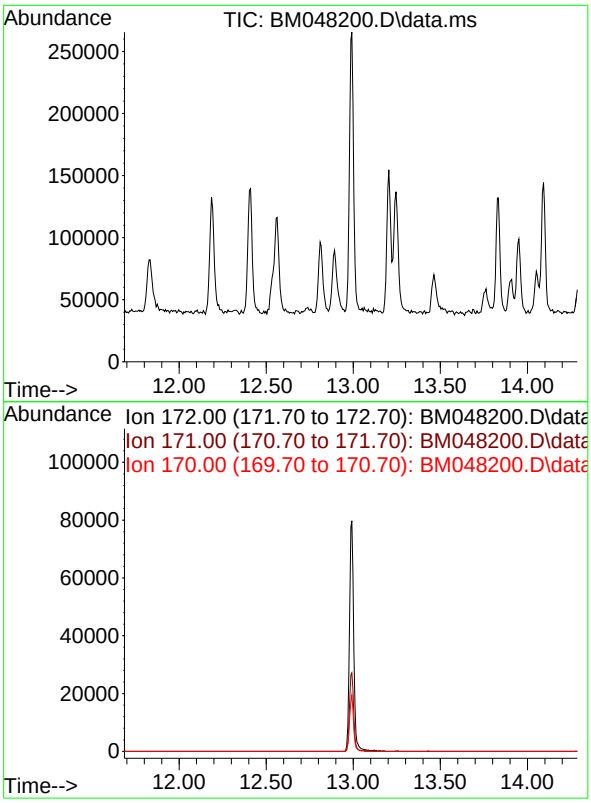
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.86 min

Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.9
141	34.4





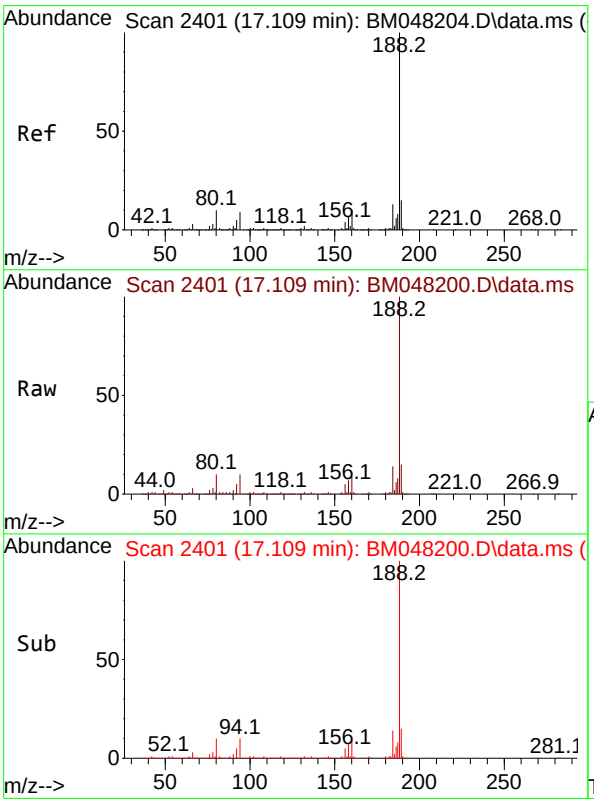
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.99 min

Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

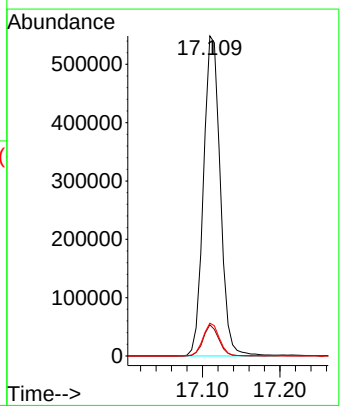
Sig	Exp Ratio
172	100
171	34.2
170	23.1

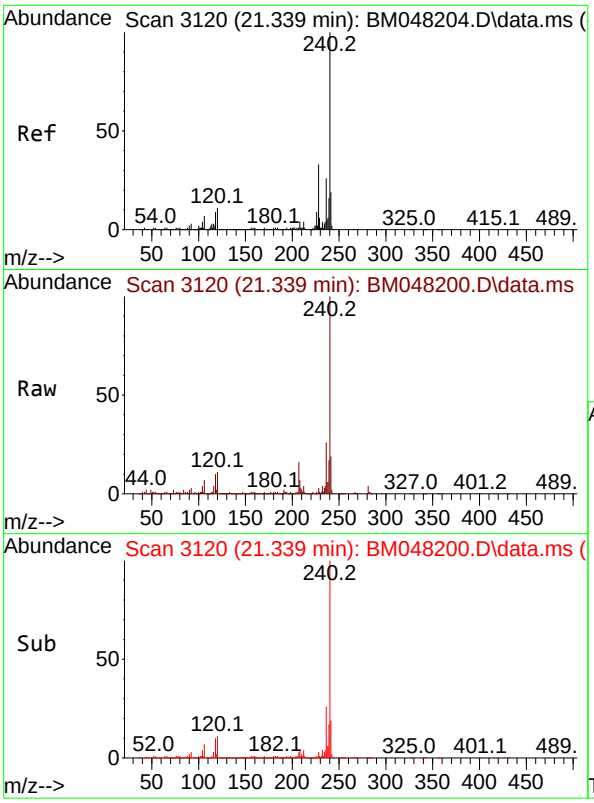


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Tgt Ion:188 Resp: 825013

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.3	10.9
80	10.3	8.0	12.0



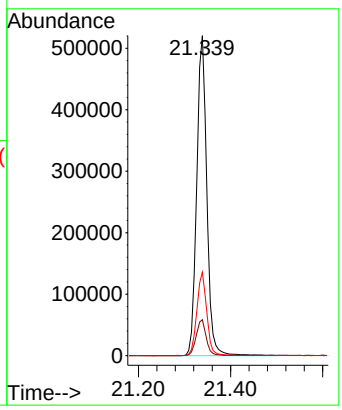


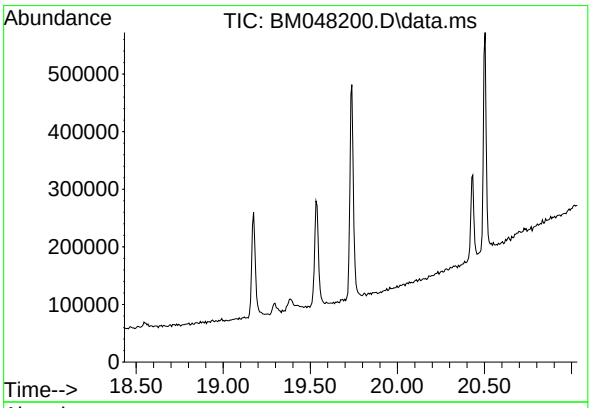
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 792458

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	26.1	20.7	31.1



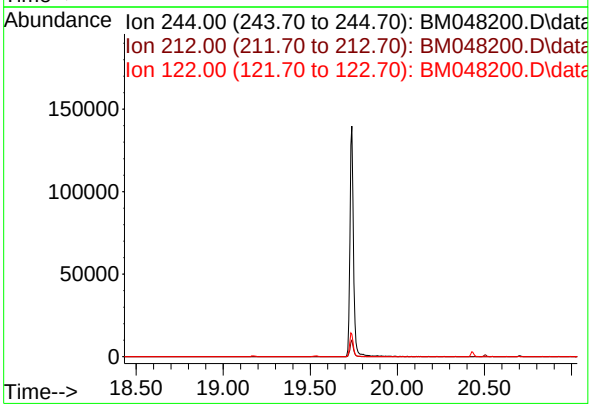


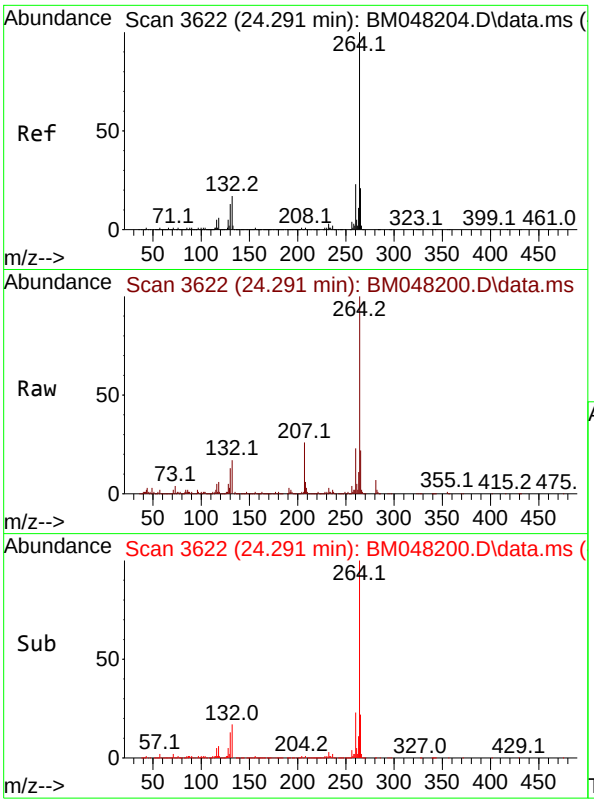
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.73 min

Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.0



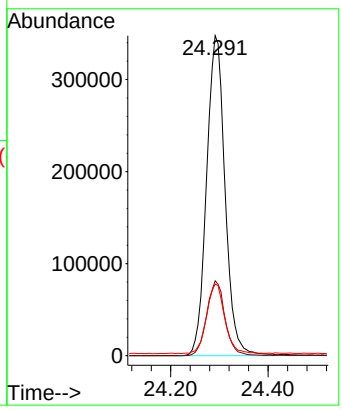


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048200.D
Acq: 23 Oct 2024 12:26

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 914914

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	22.4	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048201.D
Acq On : 23 Oct 2024 13:05
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 17:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	145816	20.000	ng		0.00
21) Naphthalene-d8	10.516	136	593176	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	384226	20.000	ng		0.00
64) Phenanthrene-d10	17.110	188	791833	20.000	ng		0.00
76) Chrysene-d12	21.339	240	785602	20.000	ng		0.00
86) Perylene-d12	24.291	264	908010	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.310	112	90271	10.406	ng		0.00
7) Phenol-d6	6.904	99	113363	10.035	ng		0.00
23) Nitrobenzene-d5	8.881	82	102811	9.786	ng		0.00
42) 2,4,6-Tribromophenol	15.863	330	46245	9.833	ng		0.00
45) 2-Fluorobiphenyl	12.986	172	267303	10.675	ng		0.00
79) Terphenyl-d14	19.733	244	397731	10.332	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	19616	5.524	ng		98
3) Pyridine	3.616	79	47808	5.077	ng	#	89
4) n-Nitrosodimethylamine	3.522	42	20823	5.199	ng	#	97
6) Aniline	7.057	93	50475	5.383	ng		97
8) 2-Chlorophenol	7.293	128	48723	5.170	ng		97
9) Benzaldehyde	6.869	77	31542m	5.674	ng		
10) Phenol	6.934	94	56303	4.954	ng		97
11) bis(2-Chloroethyl)ether	7.151	93	45124	4.984	ng		99
12) 1,3-Dichlorobenzene	7.616	146	58340	5.369	ng		100
13) 1,4-Dichlorobenzene	7.763	146	59711	5.409	ng		97
14) 1,2-Dichlorobenzene	8.075	146	57354	5.376	ng		99
15) Benzyl Alcohol	7.975	79	32867	4.560	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.257	45	71883	5.429	ng		100
17) 2-Methylphenol	8.181	107	36152	4.787	ng		98
18) Hexachloroethane	8.798	117	21944	5.424	ng		95
19) n-Nitroso-di-n-propyla...	8.528	70	37763	5.284	ng		98
20) 3+4-Methylphenols	8.510	107	51475	4.920	ng		95
22) Acetophenone	8.551	105	73092	5.049	ng	#	91
24) Nitrobenzene	8.928	77	54443	5.002	ng		98
25) Isophorone	9.451	82	96675	5.020	ng		97
26) 2-Nitrophenol	9.640	139	21494	4.277	ng	#	82
27) 2,4-Dimethylphenol	9.704	122	28457	4.667	ng		97
28) bis(2-Chloroethoxy)met...	9.934	93	59074	4.848	ng		99
29) 2,4-Dichlorophenol	10.187	162	40064	4.567	ng		94
30) 1,2,4-Trichlorobenzene	10.381	180	51928	5.169	ng		98
31) Naphthalene	10.563	128	162694	5.259	ng		99
32) Benzoic acid	9.792	122	28049m	4.115	ng		
33) 4-Chloroaniline	10.692	127	47387	4.723	ng		99
34) Hexachlorobutadiene	10.851	225	32476	5.216	ng		96
35) Caprolactam	11.463	113	12948m	4.551	ng		
36) 4-Chloro-3-methylphenol	11.822	107	43099	4.707	ng		95
37) 2-Methylnaphthalene	12.186	142	107644	5.208	ng		99
38) 1-Methylnaphthalene	12.404	142	107297	5.235	ng		97
40) 1,2,4,5-Tetrachloroben...	12.557	216	56505	5.145	ng		99
41) Hexachlorocyclopentadiene	12.533	237	17150	4.615	ng		96
43) 2,4,6-Trichlorophenol	12.804	196	34246	4.699	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048201.D
Acq On : 23 Oct 2024 13:05
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 17:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.886	196	39495	4.860	ng		97
46) 1,1'-Biphenyl	13.198	154	141745	5.167	ng		98
47) 2-Chloronaphthalene	13.239	162	110771	5.121	ng		99
48) 2-Nitroaniline	13.457	65	24776	4.223	ng		90
49) Acenaphthylene	14.092	152	159529	5.055	ng		98
50) Dimethylphthalate	13.827	163	139365	5.313	ng		99
51) 2,6-Dinitrotoluene	13.945	165	26245	4.484	ng		86
52) Acenaphthene	14.433	154	105474	5.260	ng		99
53) 3-Nitroaniline	14.286	138	22015	3.989	ng	#	98
55) Dibenzofuran	14.769	168	169629	5.325	ng		100
57) 2,4-Dinitrotoluene	14.745	165	32425	4.195	ng		93
58) Fluorene	15.416	166	135671	5.386	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	34166	5.072	ng		99
60) Diethylphthalate	15.192	149	138791	5.226	ng		99
61) 4-Chlorophenyl-phenyle...	15.416	204	67194	5.335	ng		97
62) 4-Nitroaniline	15.451	138	20429	3.576	ng		94
63) Azobenzene	15.704	77	114836	4.825	ng		97
65) 4,6-Dinitro-2-methylph...	15.510	198	17234	3.751	ng	#	80
66) n-Nitrosodiphenylamine	15.627	169	108646	4.998	ng		99
67) 4-Bromophenyl-phenylether	16.304	248	40550	5.051	ng		99
68) Hexachlorobenzene	16.421	284	49891	5.174	ng		98
69) Atrazine	16.580	200	34838	5.728	ng		98
70) Pentachlorophenol	16.774	266	28634	4.523	ng		98
71) Phenanthrene	17.151	178	206538	5.268	ng		99
72) Anthracene	17.245	178	190046	5.007	ng		99
73) Carbazole	17.527	167	180407	4.848	ng		96
74) Di-n-butylphthalate	18.080	149	223946	4.835	ng		98
75) Fluoranthene	19.174	202	244728	5.232	ng		99
77) Benzidine	19.368	184	81971	9.041	ng		98
78) Pyrene	19.533	202	262294	4.988	ng		99
80) Butylbenzylphthalate	20.433	149	96275	4.378	ng		100
81) Benzo(a)anthracene	21.321	228	255193	5.083	ng		99
82) 3,3'-Dichlorobenzidine	21.251	252	84774	4.930	ng		98
83) Chrysene	21.380	228	249978	5.188	ng		99
84) Bis(2-ethylhexyl)phtha...	21.245	149	144401	4.518	ng		98
85) Di-n-octyl phthalate	22.356	149	236872	4.280	ng	#	99
87) Indeno(1,2,3-cd)pyrene	27.621	276	293568	4.889	ng		99
88) Benzo(b)fluoranthene	23.362	252	259343	4.981	ng		99
89) Benzo(k)fluoranthene	23.421	252	257436	5.114	ng		99
90) Benzo(a)pyrene	24.156	252	223092	4.929	ng		100
91) Dibenzo(a,h)anthracene	27.680	278	248009	4.960	ng		98
92) Benzo(g,h,i)perylene	28.662	276	256774	5.015	ng		96

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

ICAL Form

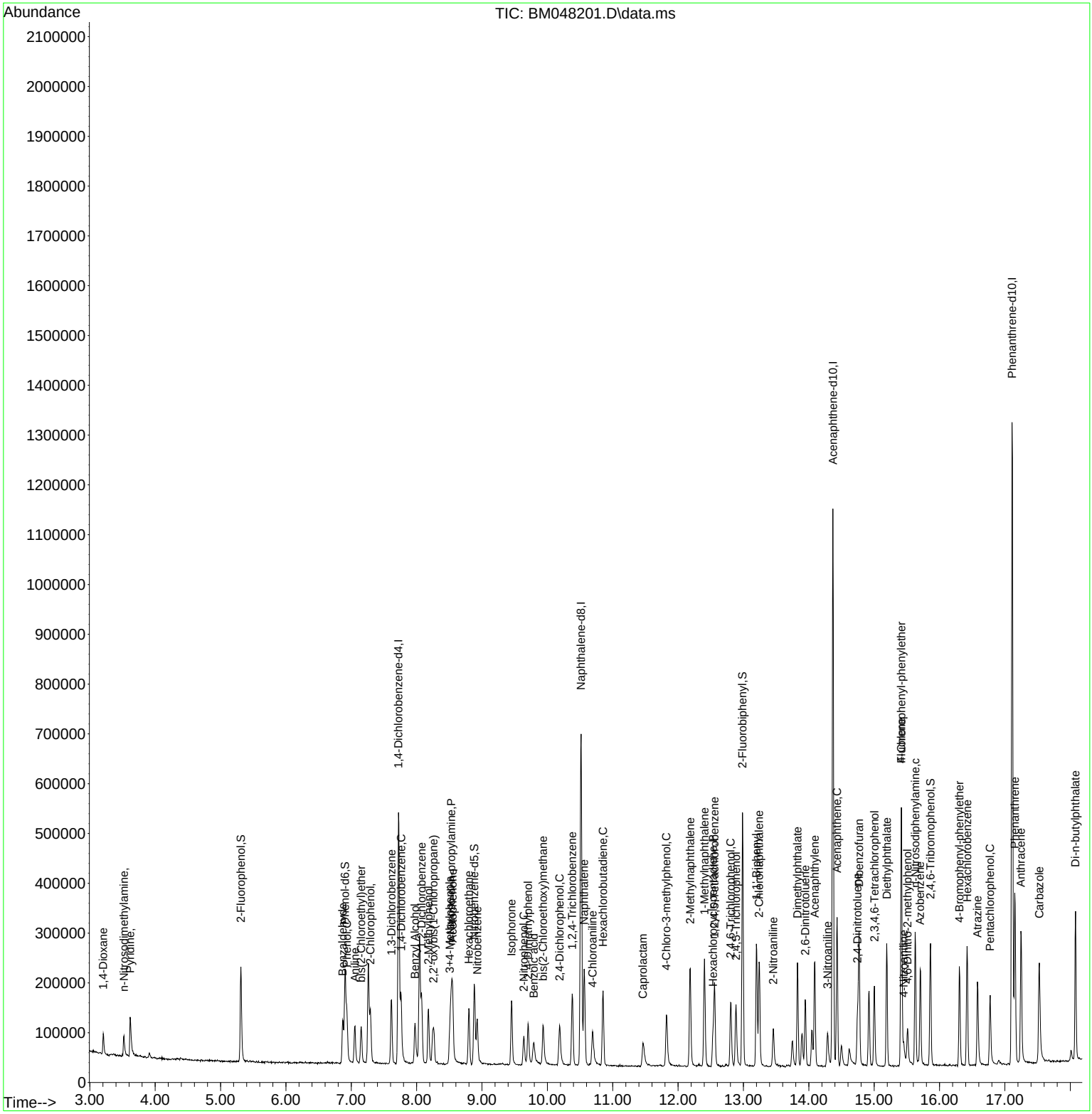
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048201.D
Acq On : 23 Oct 2024 13:05
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 23 17:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

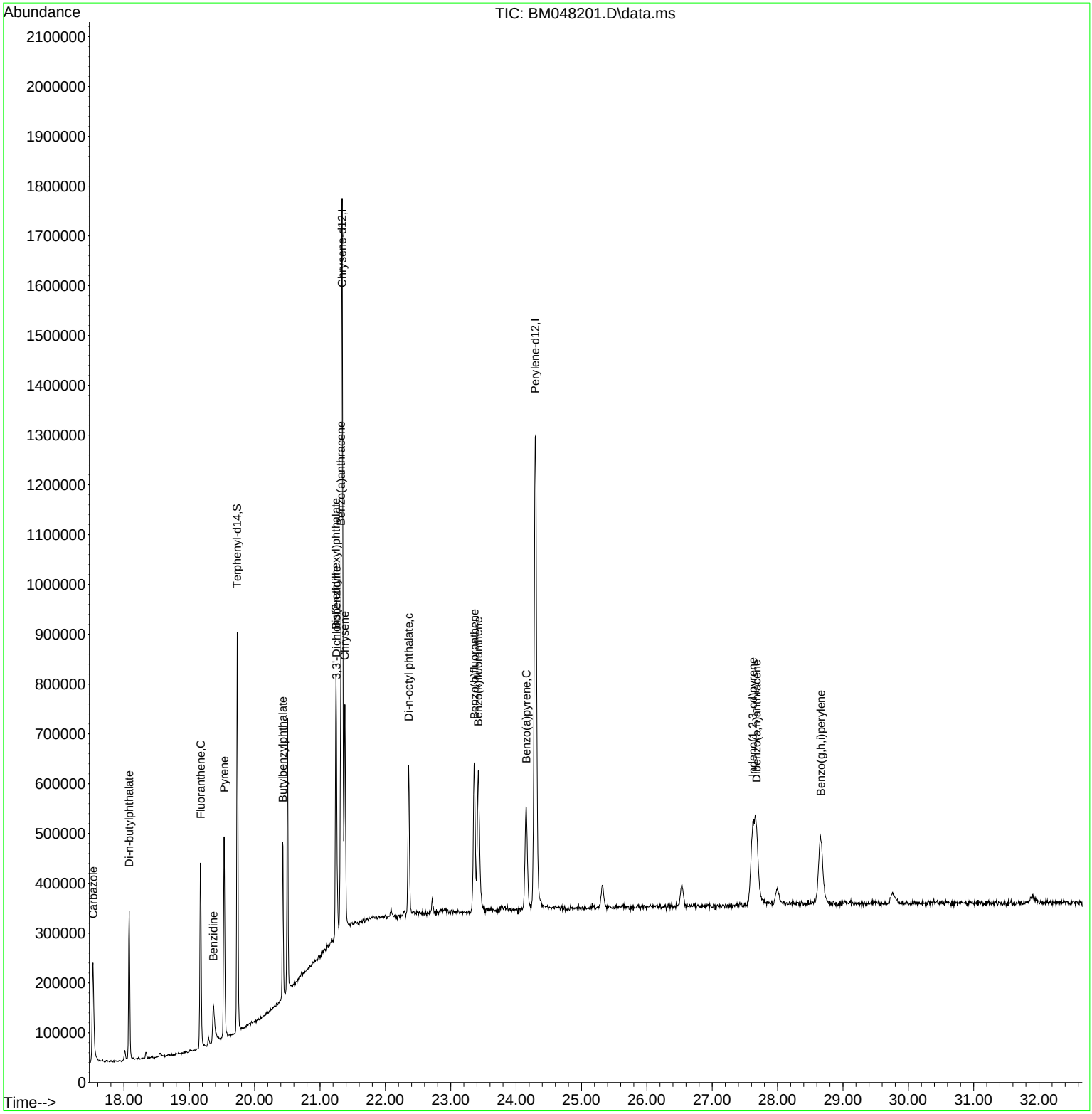
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Data File : BM048201.D
Acq On : 23 Oct 2024 13:05
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

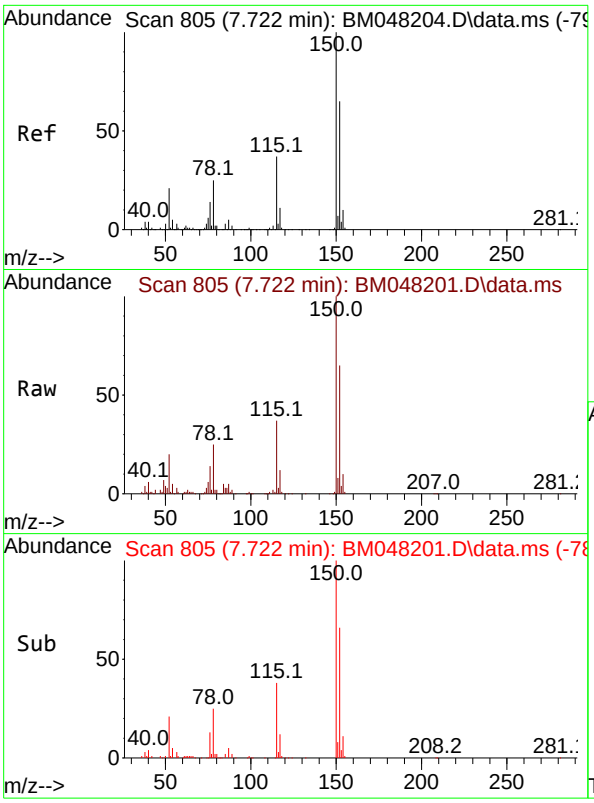
Quant Time: Oct 23 17:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

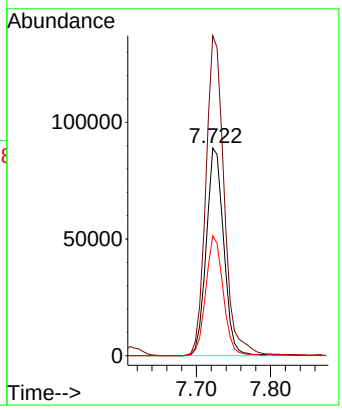




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:152 Resp: 14581(

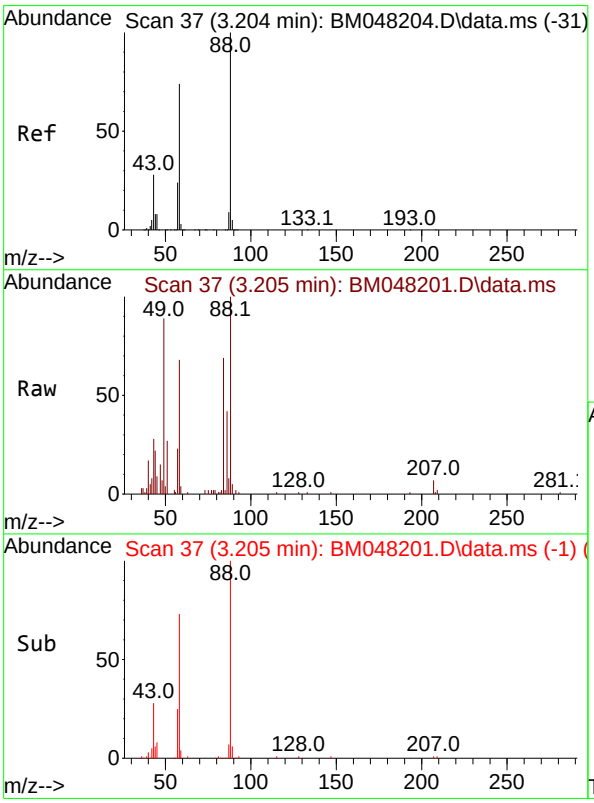
Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.0	184.6
115	57.7	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

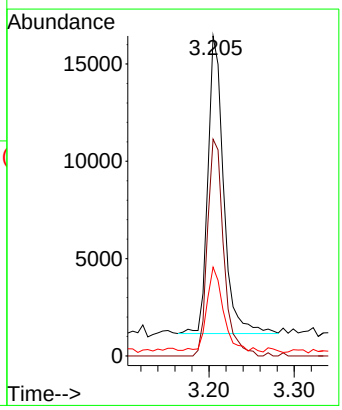
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

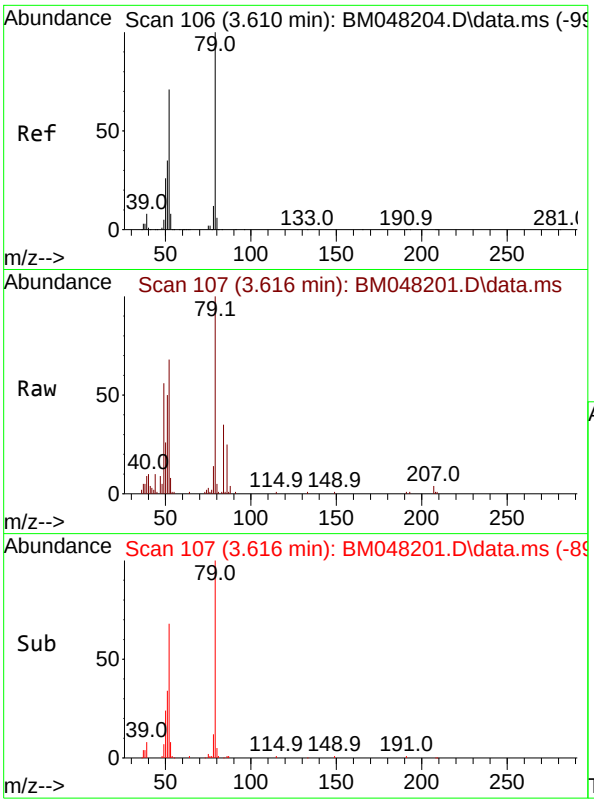


#2
1,4-Dioxane
Concen: 5.524 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 88 Resp: 19616

Ion	Ratio	Lower	Upper
88	100		
58	75.3	59.7	89.5
43	30.6	22.6	33.8

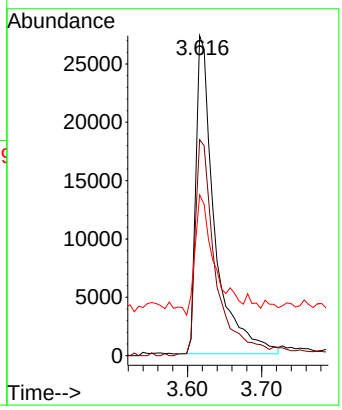




#3
Pyridine
Concen: 5.077 ng
RT: 3.616 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 79 Resp: 4780

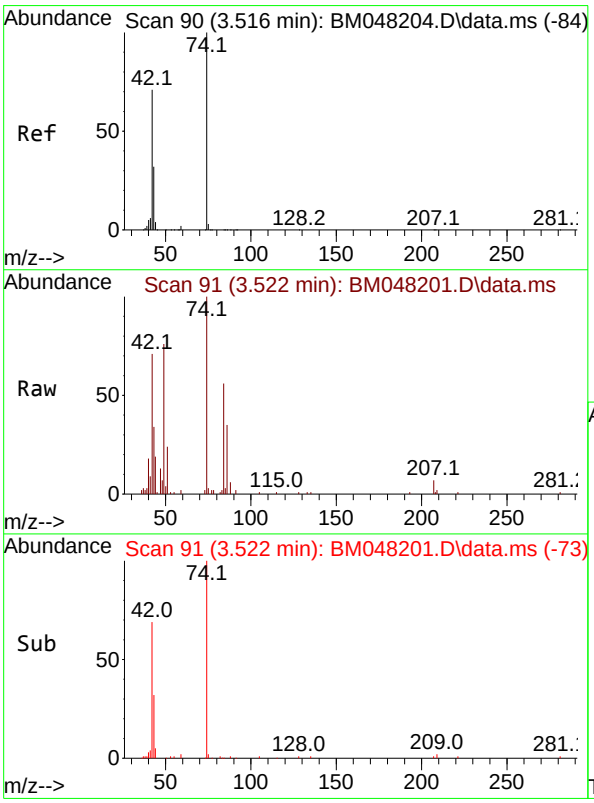
Ion	Ratio	Lower	Upper
79	100		
52	67.5	56.5	84.7
51	50.2	28.5	42.7#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

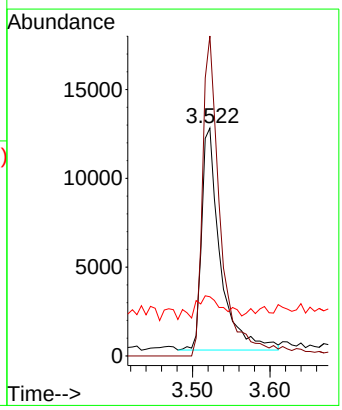
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

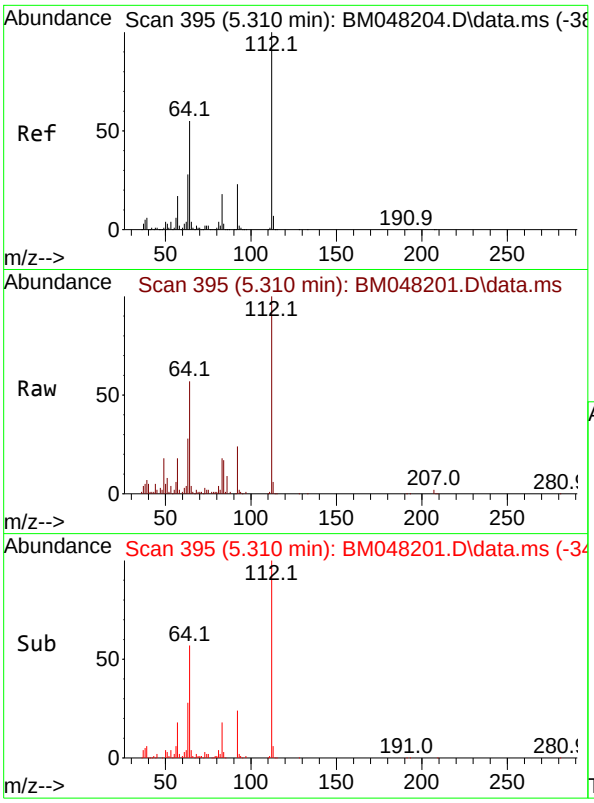


#4
n-Nitrosodimethylamine
Concen: 5.199 ng
RT: 3.522 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 42 Resp: 20823

Ion	Ratio	Lower	Upper
42	100		
74	140.4	111.8	167.6
44	26.0	6.0	9.0#

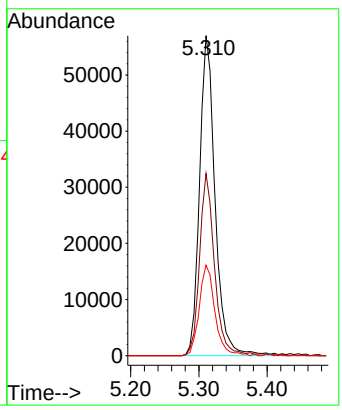




#5
2-Fluorophenol
Concen: 10.406 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:112 Resp: 9027

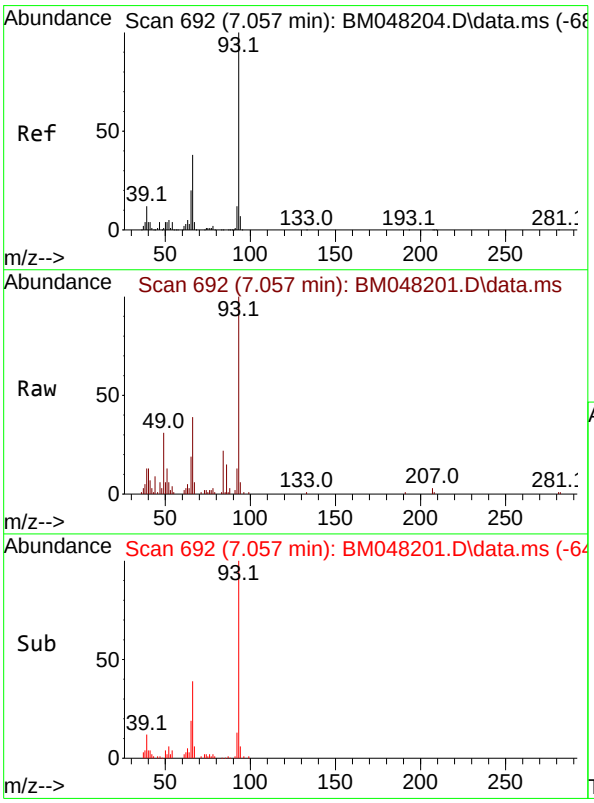
Ion	Ratio	Lower	Upper
112	100		
64	56.9	44.2	66.2
63	28.3	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

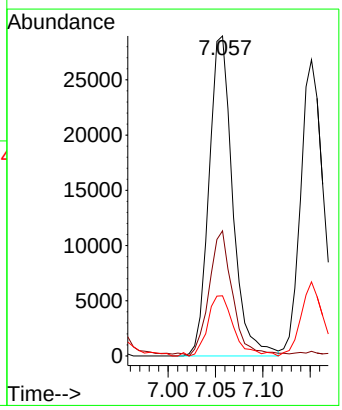
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

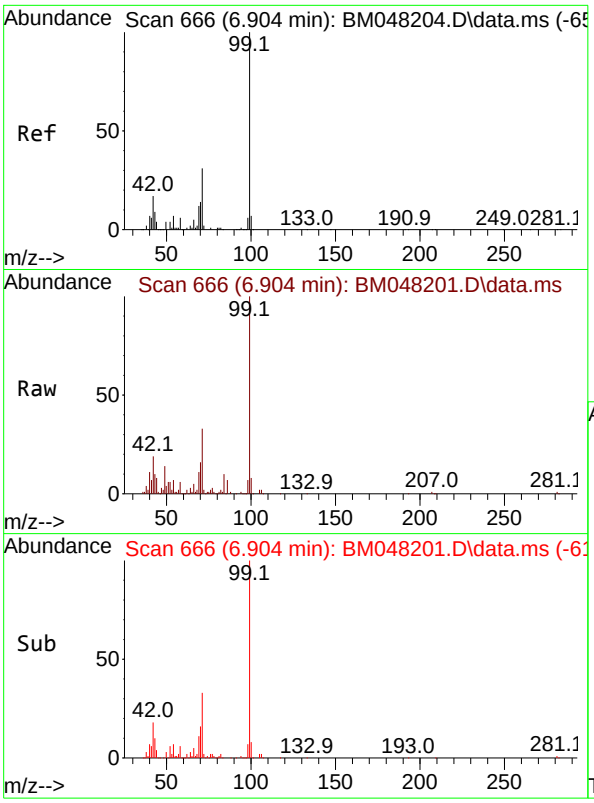


#6
Aniline
Concen: 5.383 ng
RT: 7.057 min Scan# 692
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 93 Resp: 50475

Ion	Ratio	Lower	Upper
93	100		
66	39.1	30.2	45.2
65	18.8	16.2	24.2

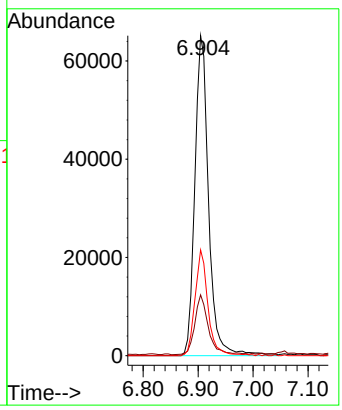




#7
Phenol-d6
Concen: 10.035 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 99 Resp: 11336

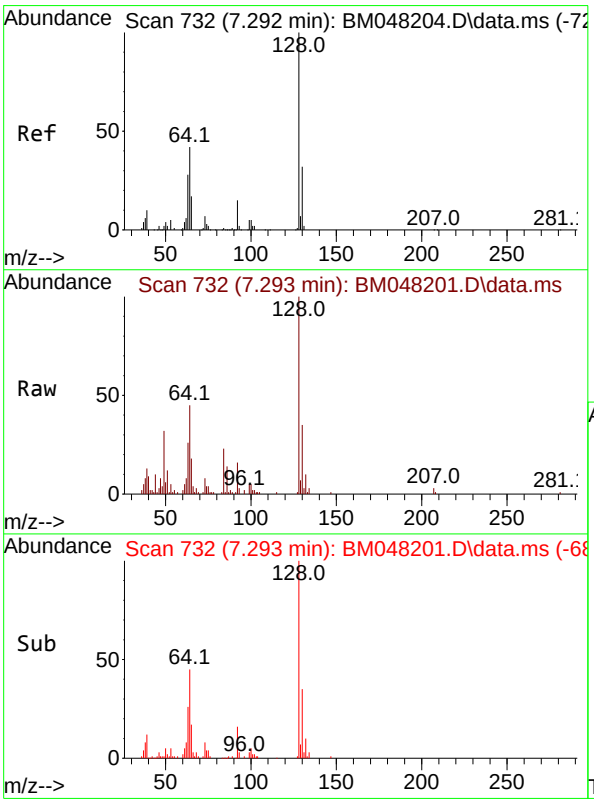
Ion	Ratio	Lower	Upper
99	100		
42	19.0	13.8	20.8
71	33.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

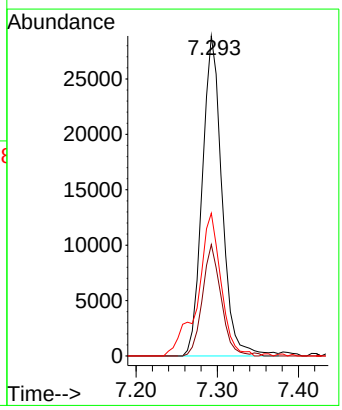
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

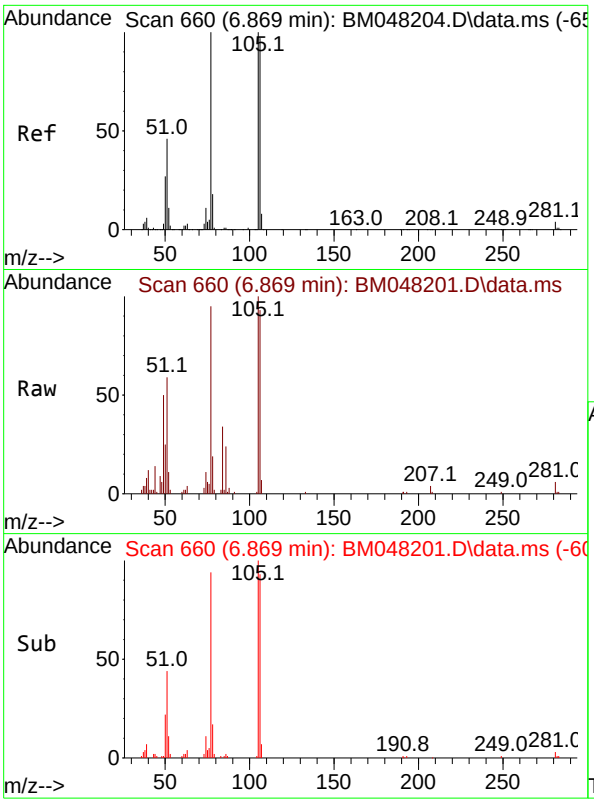


#8
2-Chlorophenol
Concen: 5.170 ng
RT: 7.293 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:128 Resp: 48723

Ion	Ratio	Lower	Upper
128	100		
130	34.8	12.1	52.1
64	44.6	23.8	63.8

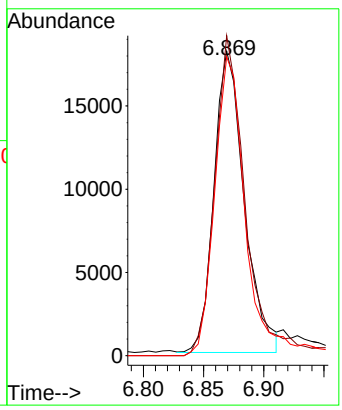




#9
Benzaldehyde
Concen: 5.674 ng m
RT: 6.869 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 77 Resp: 3154

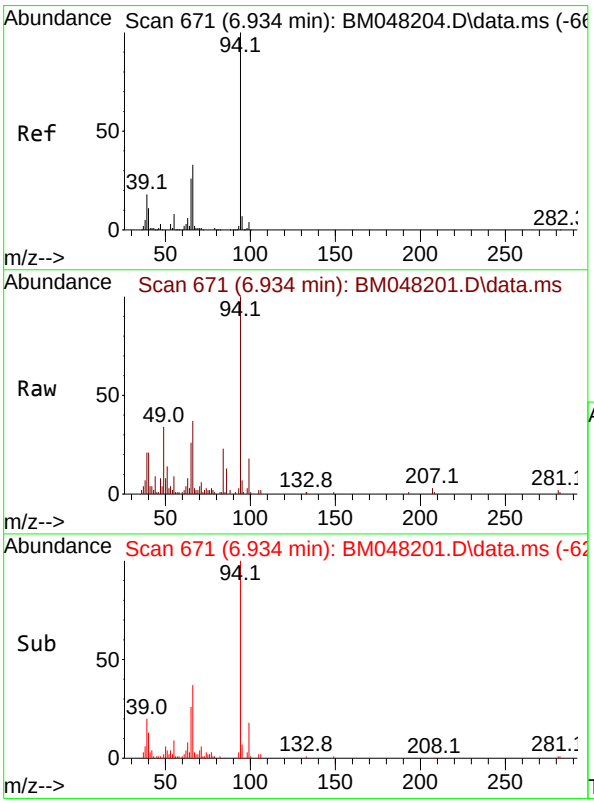
Ion	Ratio	Lower	Upper
77	100		
105	105.1	79.6	119.6
106	98.2	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

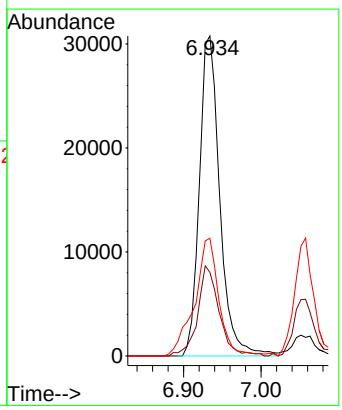
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

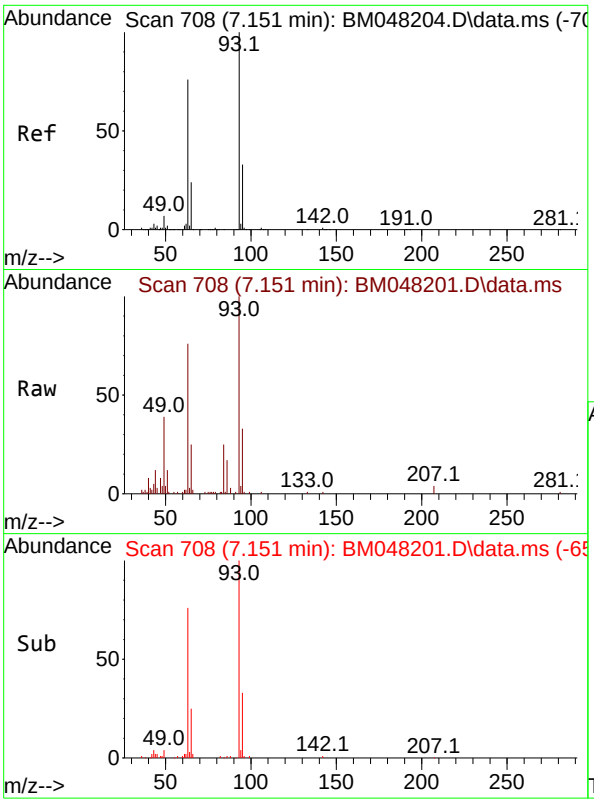


#10
Phenol
Concen: 4.954 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 94 Resp: 56303

Ion	Ratio	Lower	Upper
94	100		
65	26.2	6.5	46.5
66	36.8	13.6	53.6

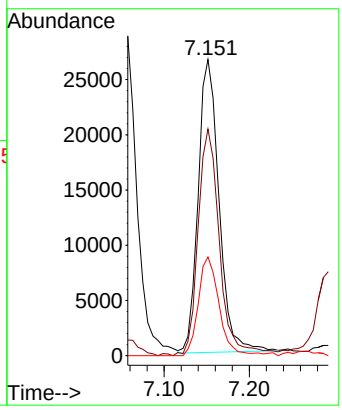




#11
bis(2-Chloroethyl)ether
Concen: 4.984 ng
RT: 7.151 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 93 Resp: 4512

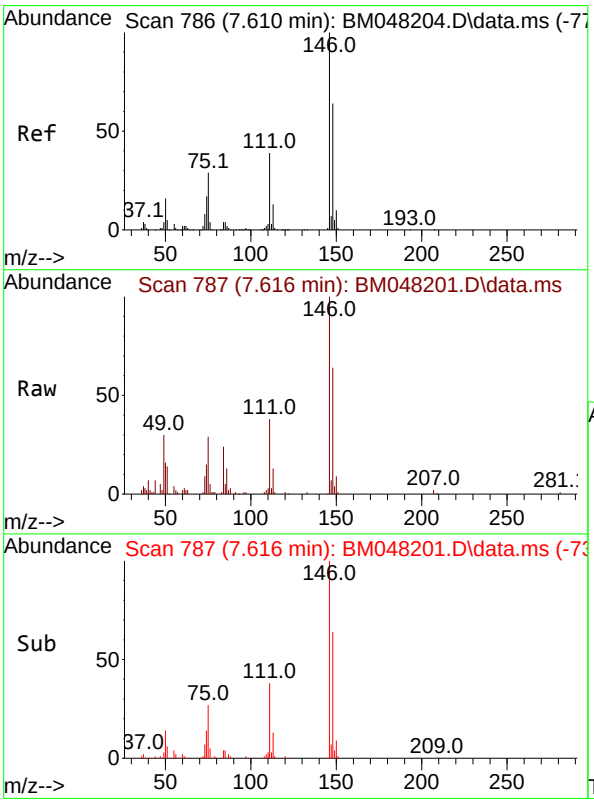
Ion	Ratio	Lower	Upper
93	100		
63	76.5	55.3	95.3
95	33.4	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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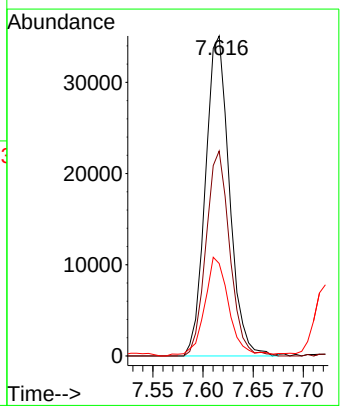
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

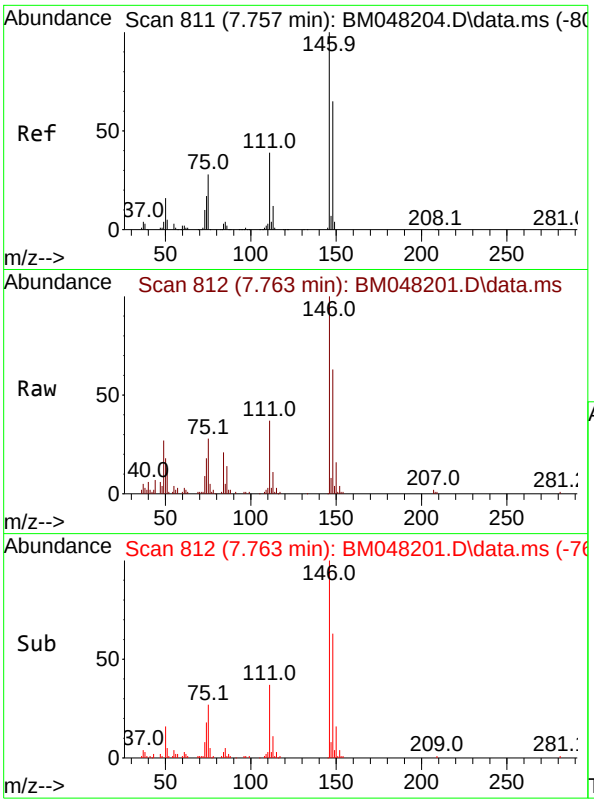


#12
1,3-Dichlorobenzene
Concen: 5.369 ng
RT: 7.616 min Scan# 787
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:146 Resp: 58340

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
75	28.9	22.9	34.3

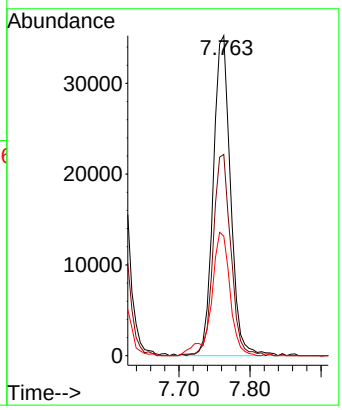




#13
1,4-Dichlorobenzene
Concen: 5.409 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:146 Resp: 5971

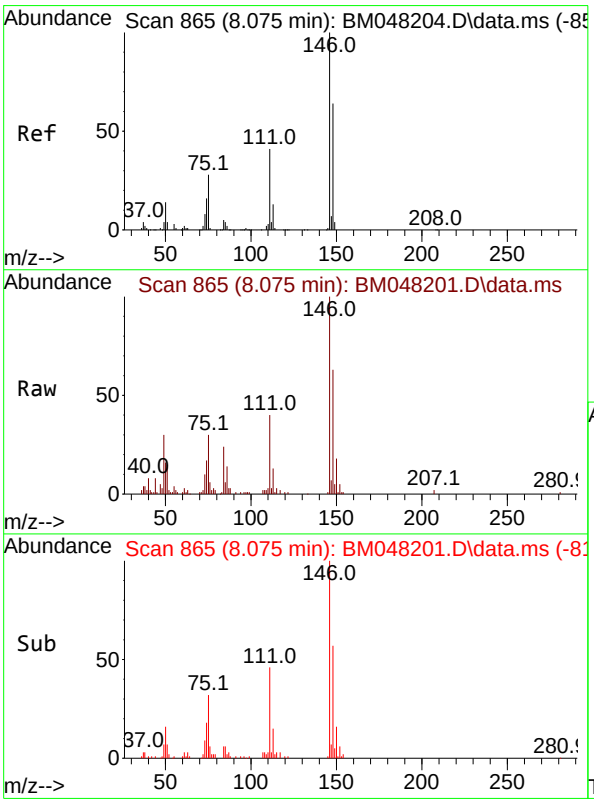
Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.7	77.5
111	37.4	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

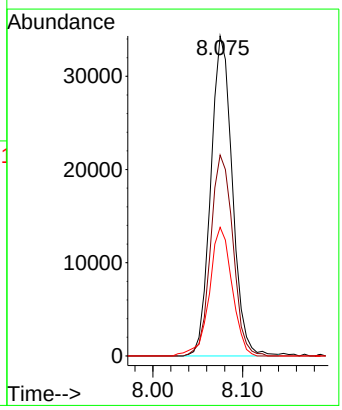
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

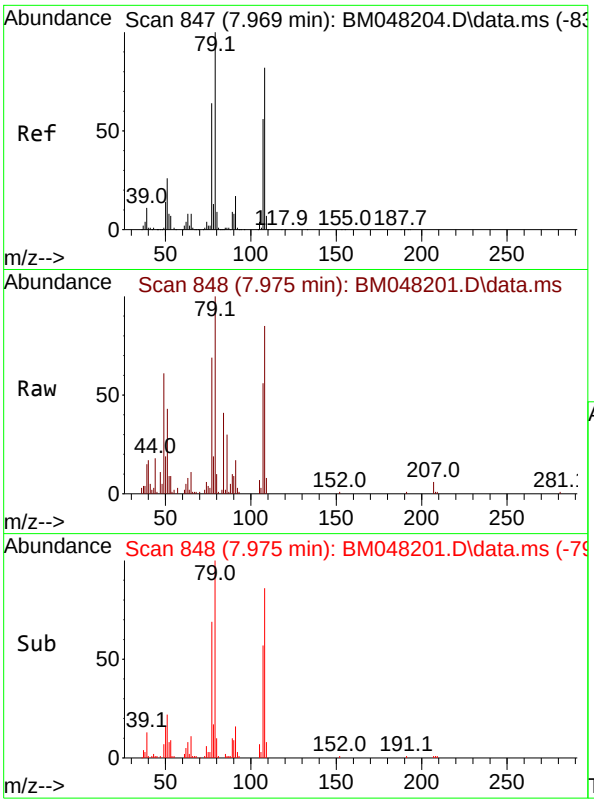


#14
1,2-Dichlorobenzene
Concen: 5.376 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:146 Resp: 57354

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.3	76.9
111	40.2	32.7	49.1





#15
Benzyl Alcohol
Concen: 4.560 ng
RT: 7.975 min Scan# 84
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

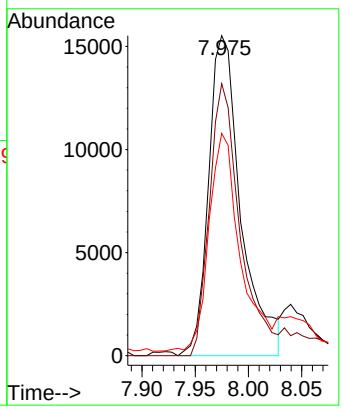
Tgt Ion: 79 Resp: 3286

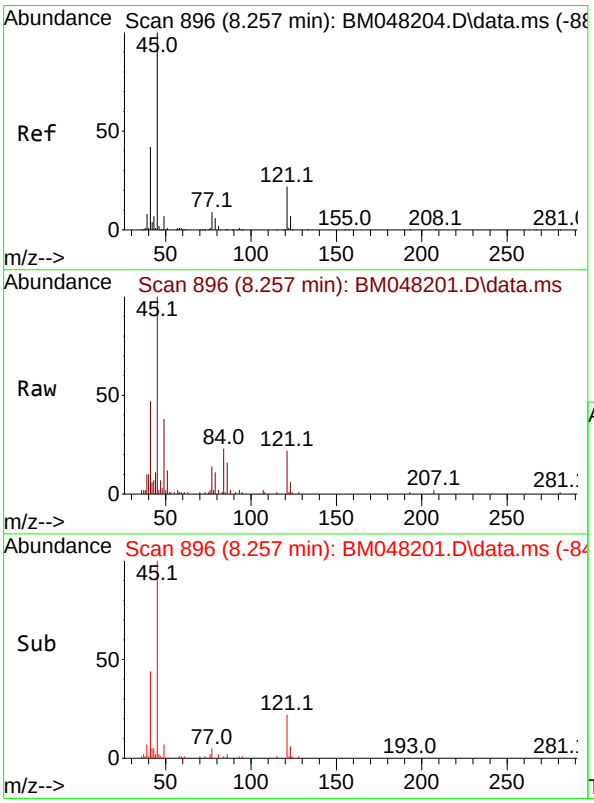
Ion	Ratio	Lower	Upper
79	100		
108	85.0	65.2	97.8
77	69.4	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

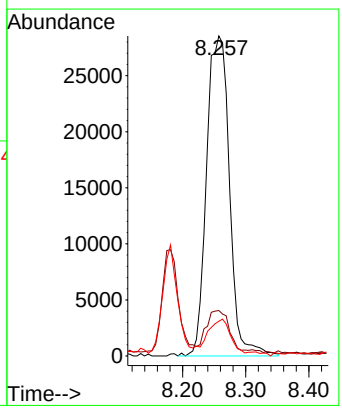


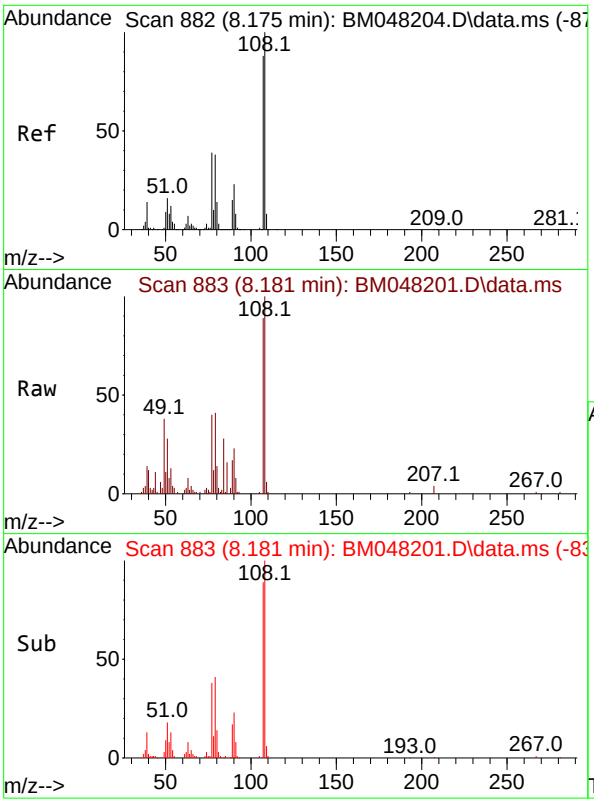


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.429 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 45 Resp: 71883

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	34.2
79	10.8	0.0	30.7

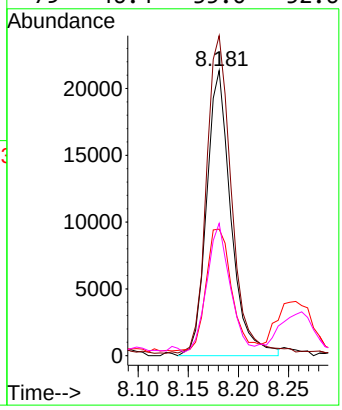




#17
2-Methylphenol
Concen: 4.787 ng
RT: 8.181 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:107 Resp: 3615

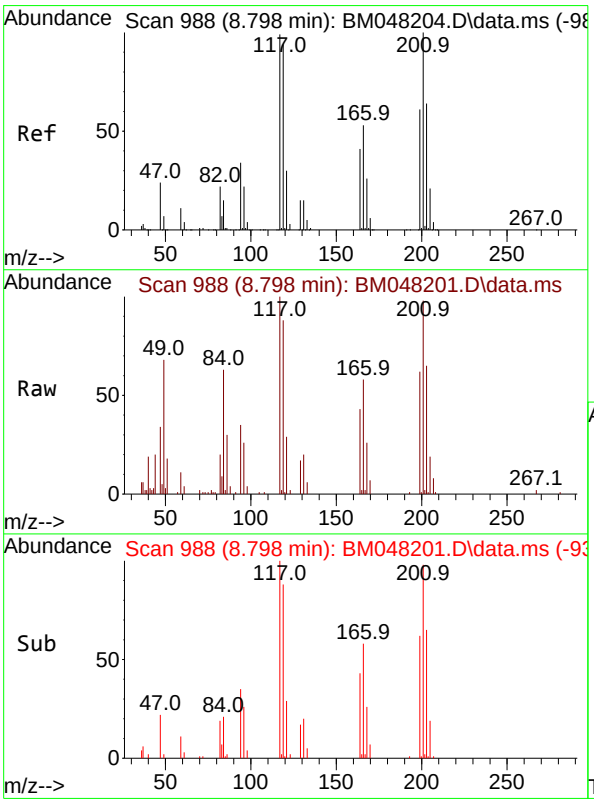
Ion	Ratio	Lower	Upper
107	100		
108	112.2	91.3	136.9
77	44.4	36.2	54.2
79	46.4	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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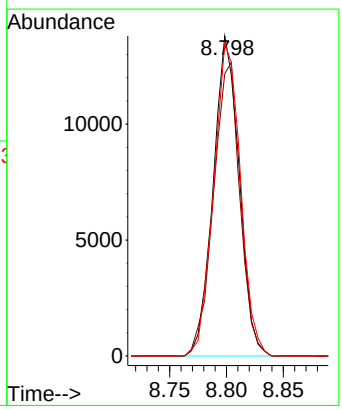
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

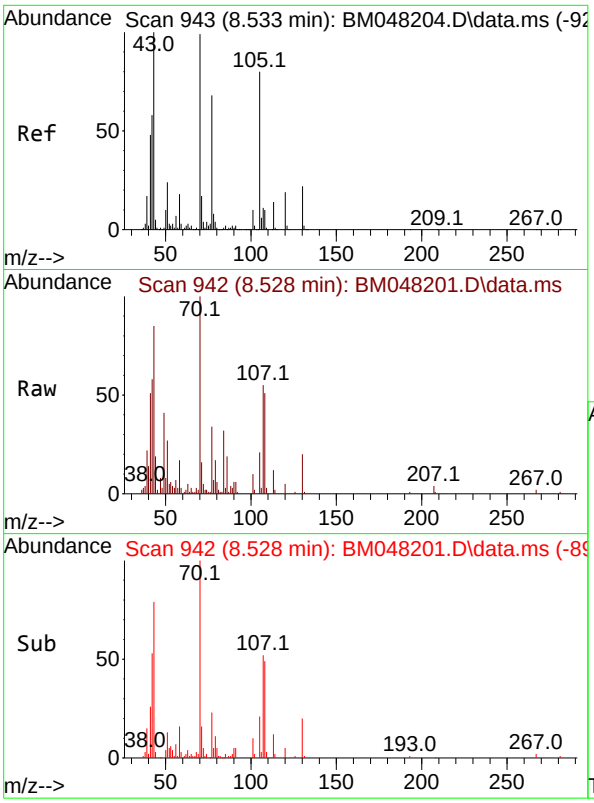


#18
Hexachloroethane
Concen: 5.424 ng
RT: 8.798 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:117 Resp: 21944

Ion	Ratio	Lower	Upper
117	100		
119	88.2	76.5	114.7
201	97.7	80.9	121.3

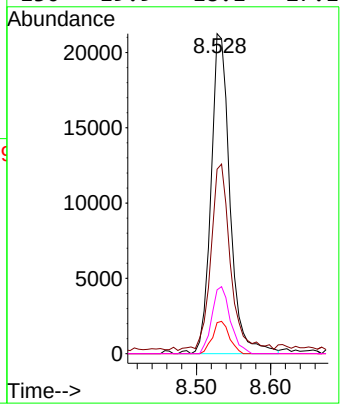




#19
n-Nitroso-di-n-propylamine
Concen: 5.284 ng
RT: 8.528 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 70 Resp: 3776

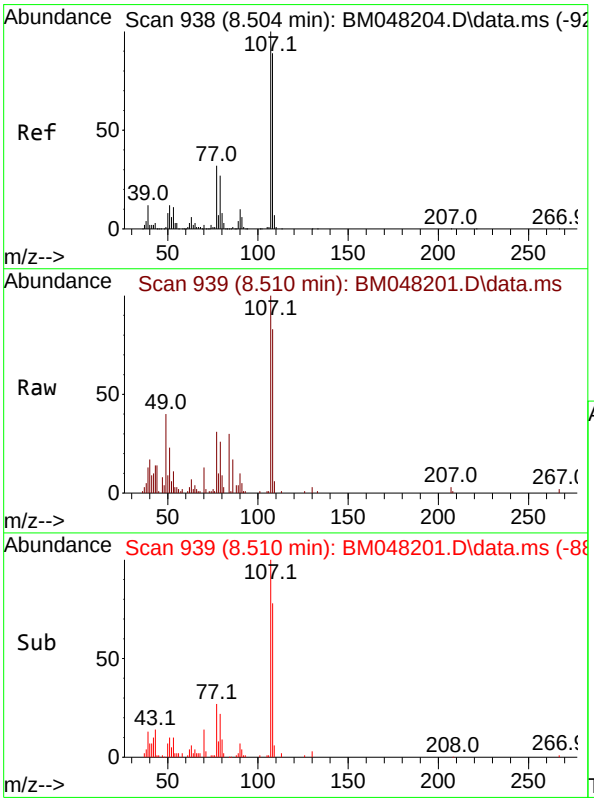
Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.0	70.6
101	9.7	7.8	11.6
130	19.9	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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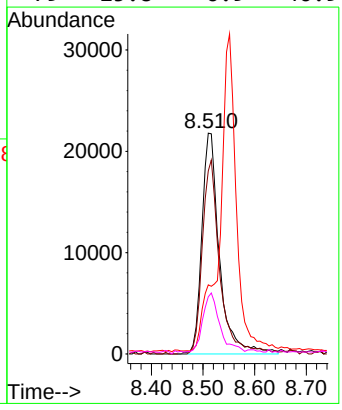
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

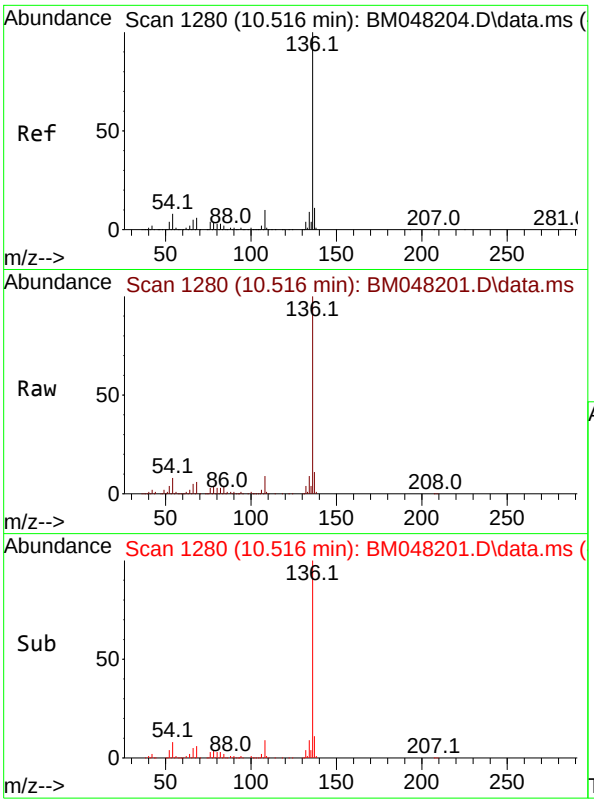


#20
3+4-Methylphenols
Concen: 4.920 ng
RT: 8.510 min Scan# 939
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:107 Resp: 51475

Ion	Ratio	Lower	Upper
107	100		
108	82.9	69.0	109.0
77	31.3	12.3	52.3
79	25.8	6.9	46.9

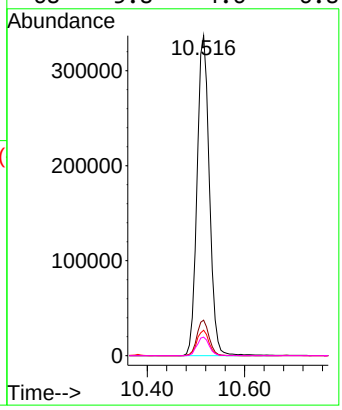




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:136 Resp: 59317

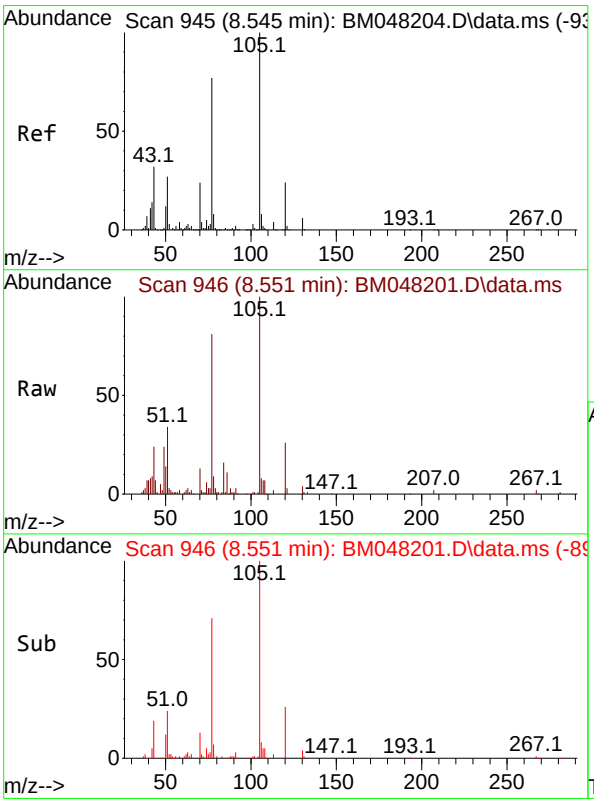
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.9	6.5	9.7
68	5.8	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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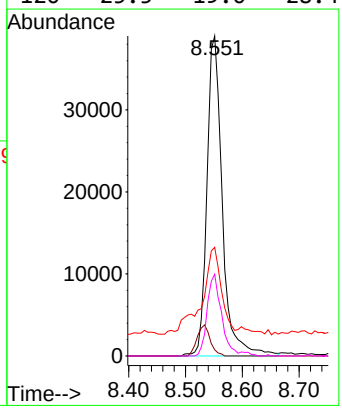
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

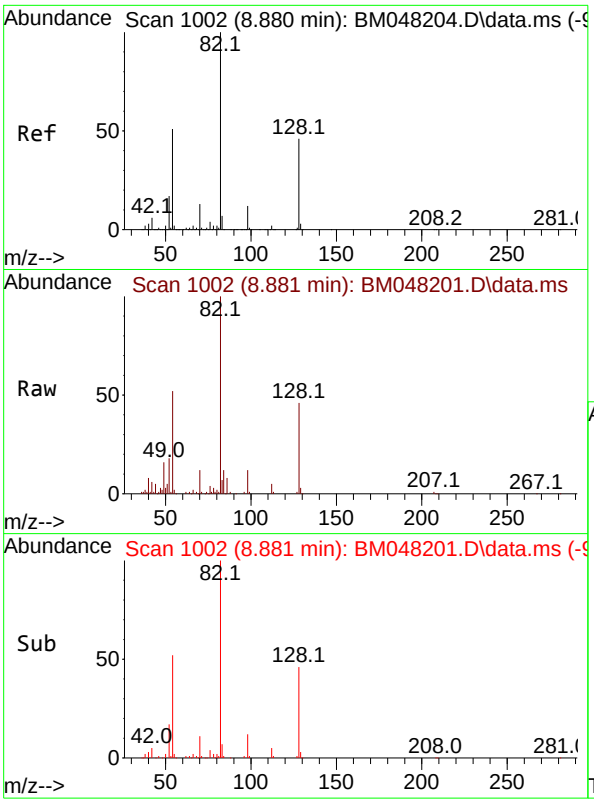


#22
Acetophenone
Concen: 5.049 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:105 Resp: 73092

Ion	Ratio	Lower	Upper
105	100		
71	1.9	3.4	5.0#
51	34.0	21.7	32.5#
120	25.5	19.0	28.4





#23
Nitrobenzene-d5
Concen: 9.786 ng
RT: 8.881 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

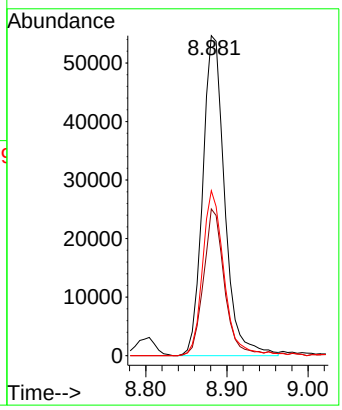
Tgt Ion: 82 Resp: 10281

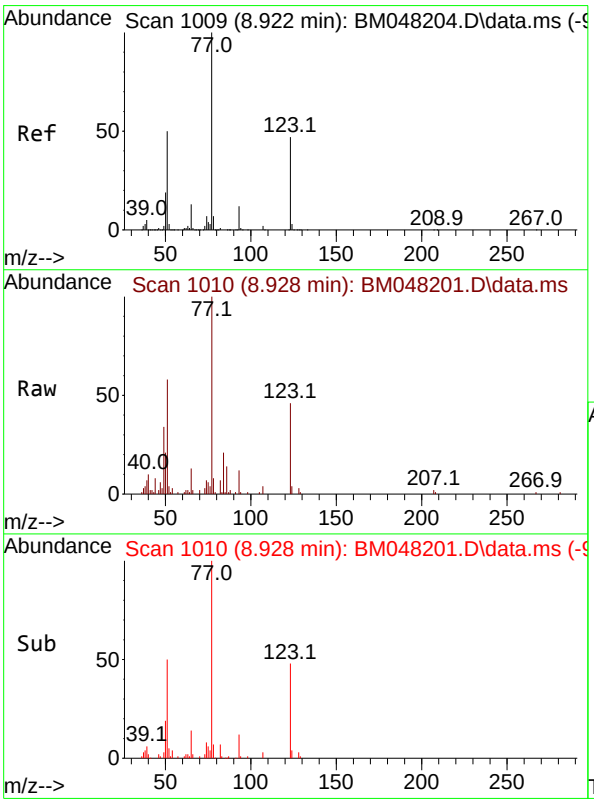
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.6	54.8
54	51.5	41.0	61.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

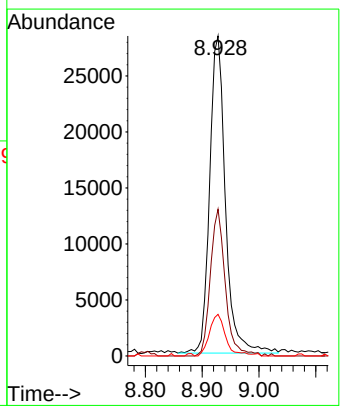


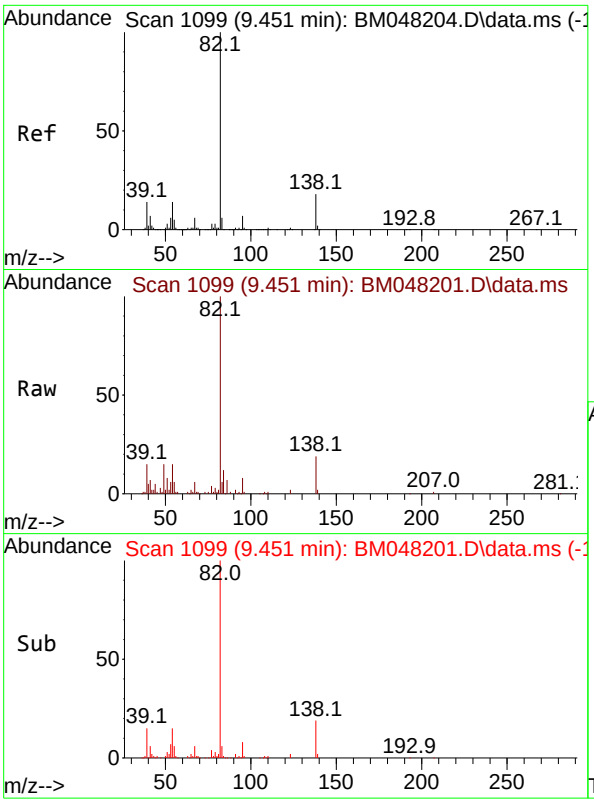


#24
Nitrobenzene
Concen: 5.002 ng
RT: 8.928 min Scan# 1010
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 77 Resp: 54443

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.8	56.6
65	13.0	10.4	15.6





#25
Isophorone
Concen: 5.020 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

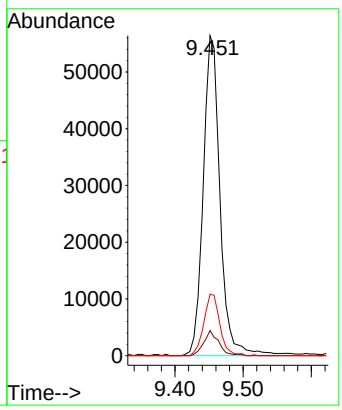
Tgt Ion: 82 Resp: 9667

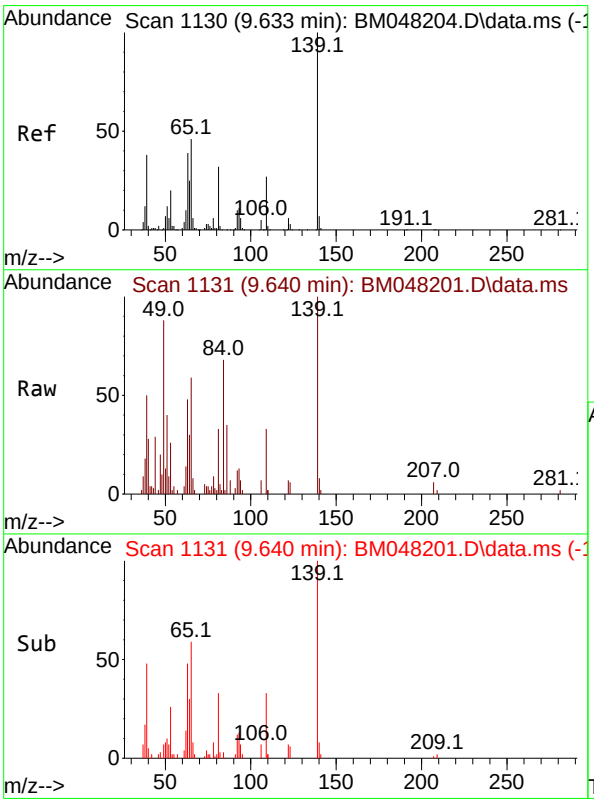
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.3	7.9
138	19.2	14.3	21.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

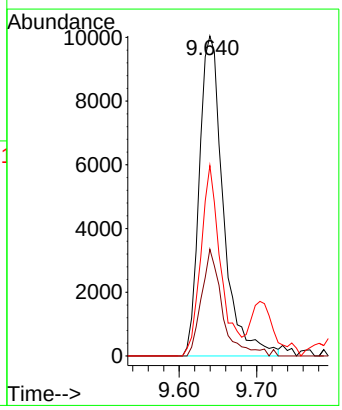


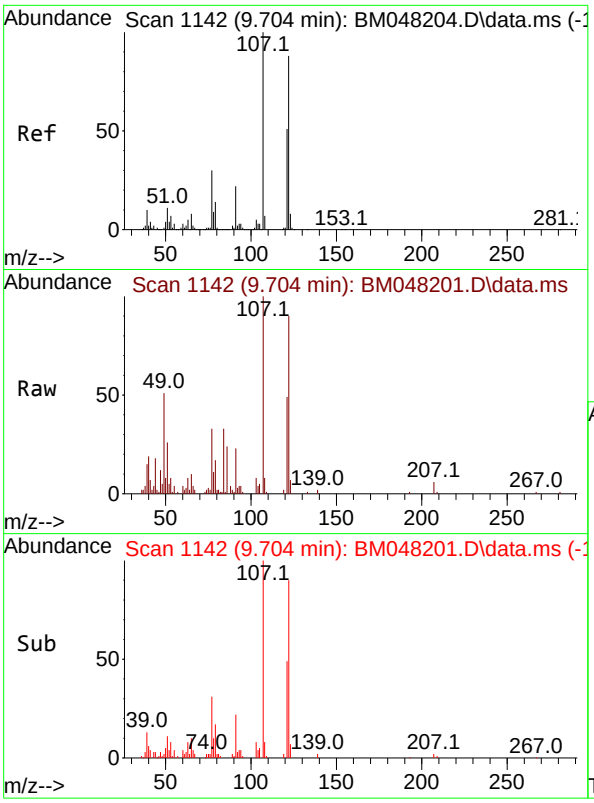


#26
2-Nitrophenol
Concen: 4.277 ng
RT: 9.640 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:139 Resp: 21494

Ion	Ratio	Lower	Upper
139	100		
109	33.3	21.2	31.8#
65	59.5	36.8	55.2#

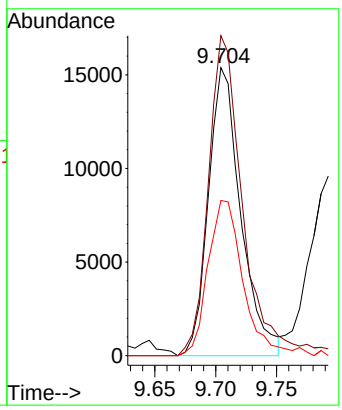




#27
2,4-Dimethylphenol
Concen: 4.667 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:122 Resp: 2845

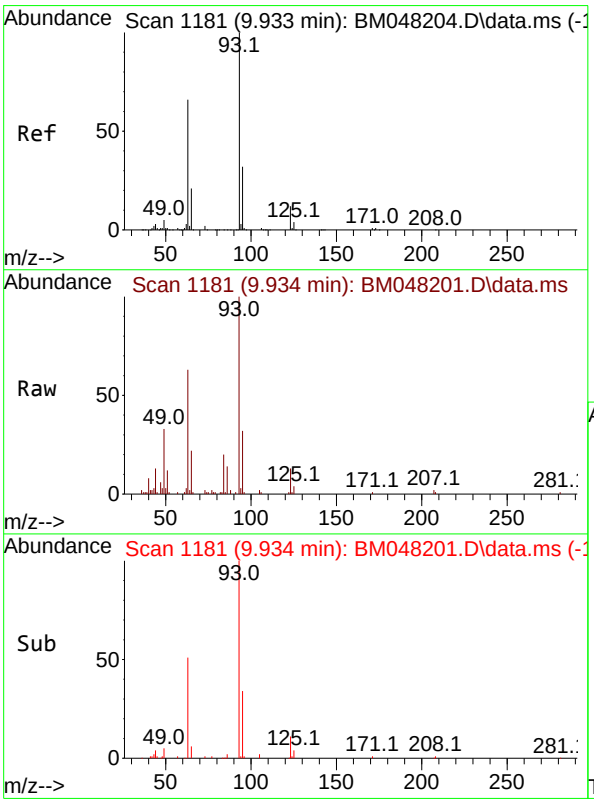
Ion	Ratio	Lower	Upper
122	100		
107	111.1	91.0	136.6
121	53.9	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
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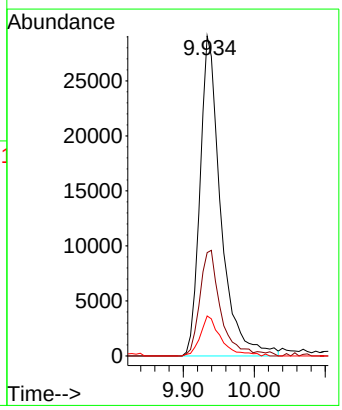
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

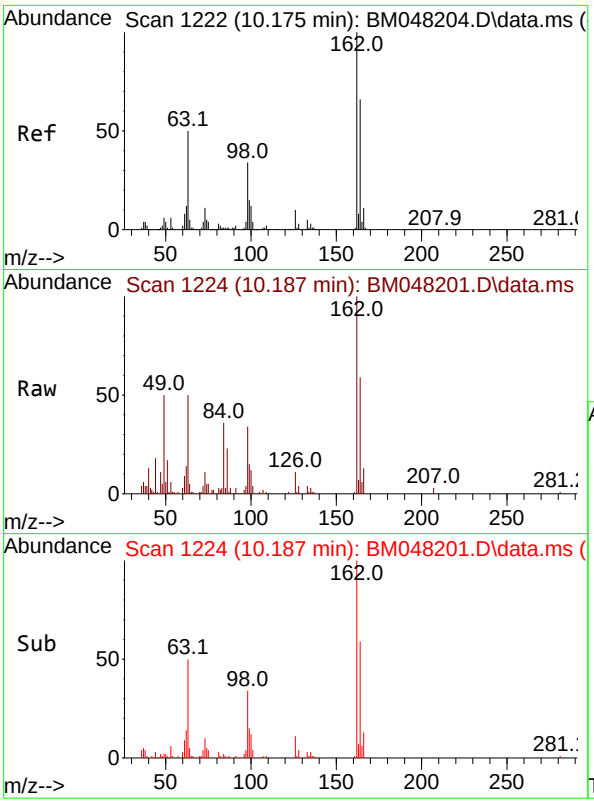


#28
bis(2-Chloroethoxy)methane
Concen: 4.848 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 93 Resp: 59074

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.3	37.9
123	12.5	9.8	14.6

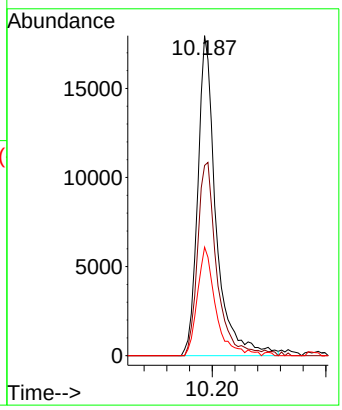




#29
2,4-Dichlorophenol
Concen: 4.567 ng
RT: 10.187 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:162 Resp: 4006

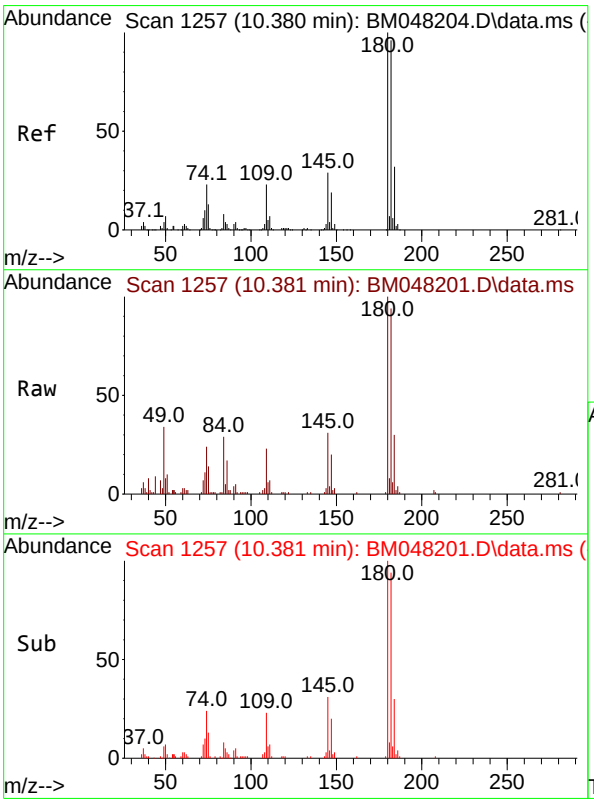
Ion	Ratio	Lower	Upper
162	100		
164	59.4	46.0	86.0
98	33.9	14.4	54.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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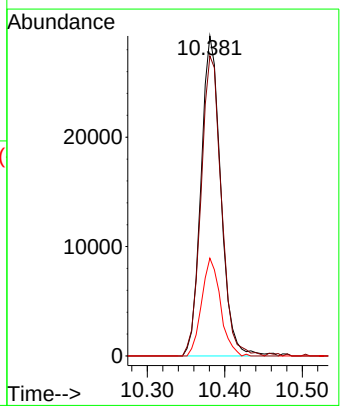
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

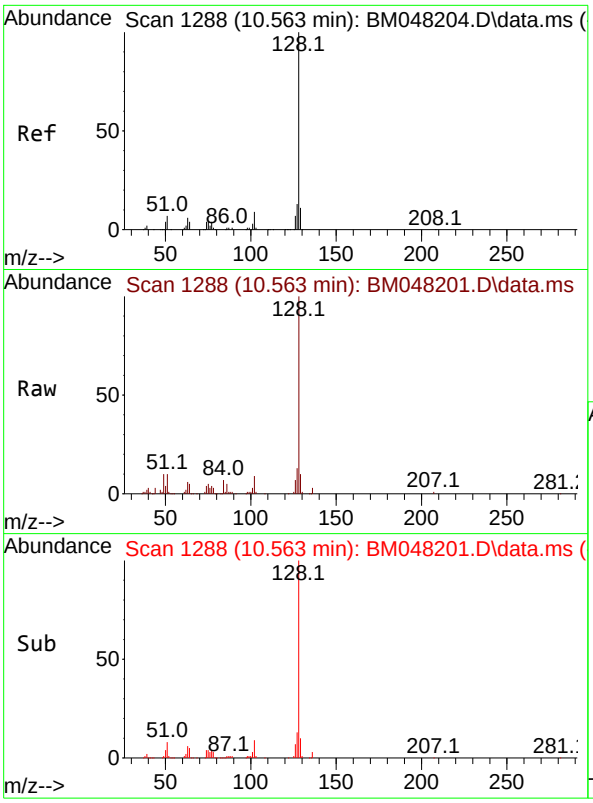


#30
1,2,4-Trichlorobenzene
Concen: 5.169 ng
RT: 10.381 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:180 Resp: 51928

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.6	115.0
145	30.6	23.4	35.2

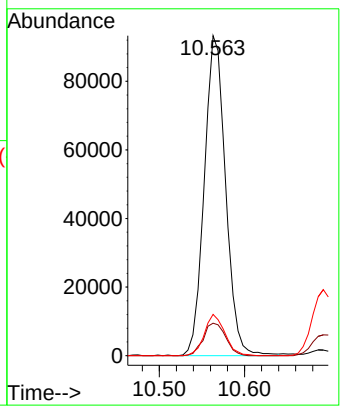




#31
Naphthalene
Concen: 5.259 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:128 Resp: 16269

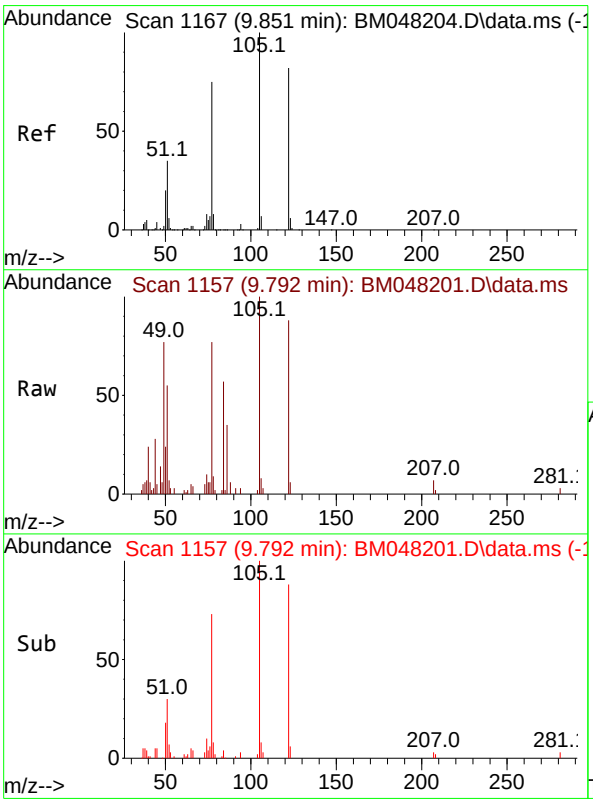
Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	12.9	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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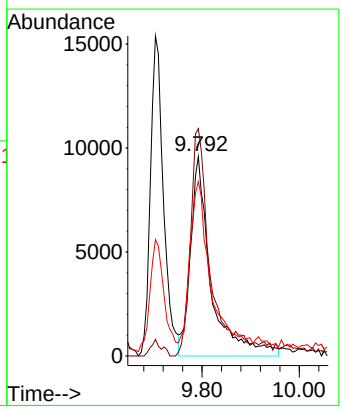
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

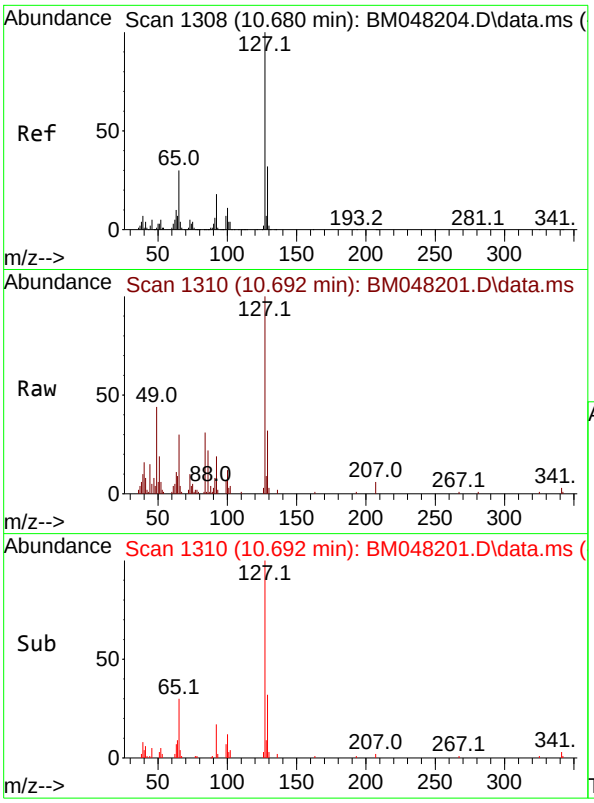


#32
Benzoic acid
Concen: 4.115 ng m
RT: 9.792 min Scan# 1157
Delta R.T. -0.059 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:122 Resp: 28049

Ion	Ratio	Lower	Upper
122	100		
105	113.9	99.3	139.3
77	87.4	70.4	110.4

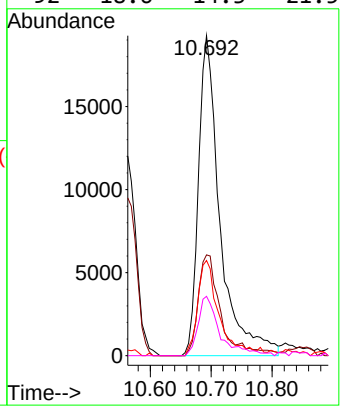




#33
4-Chloroaniline
Concen: 4.723 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:127 Resp: 4738

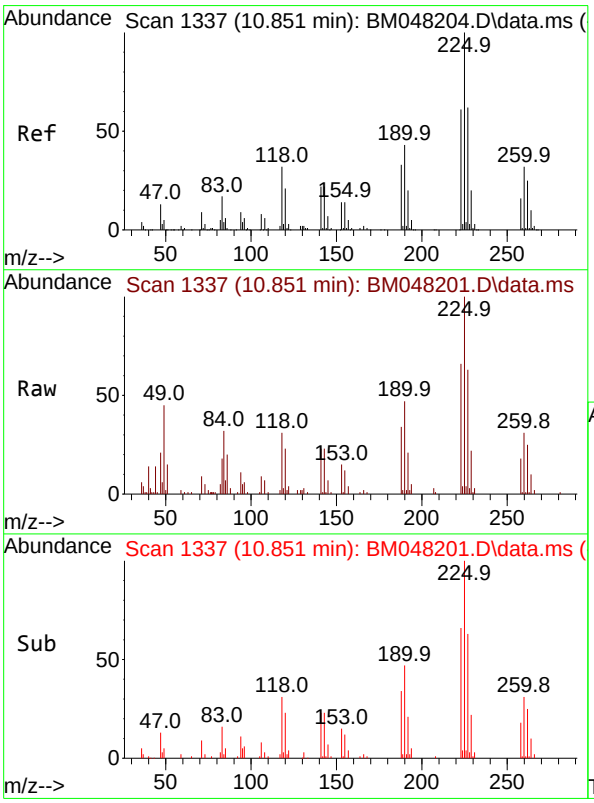
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.6
65	29.8	23.7	35.5
92	18.6	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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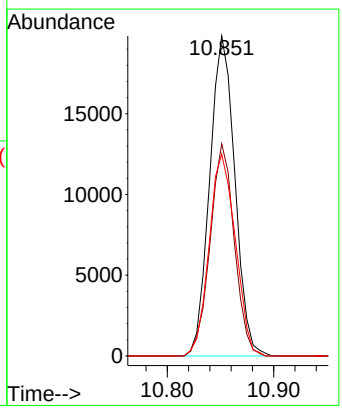
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

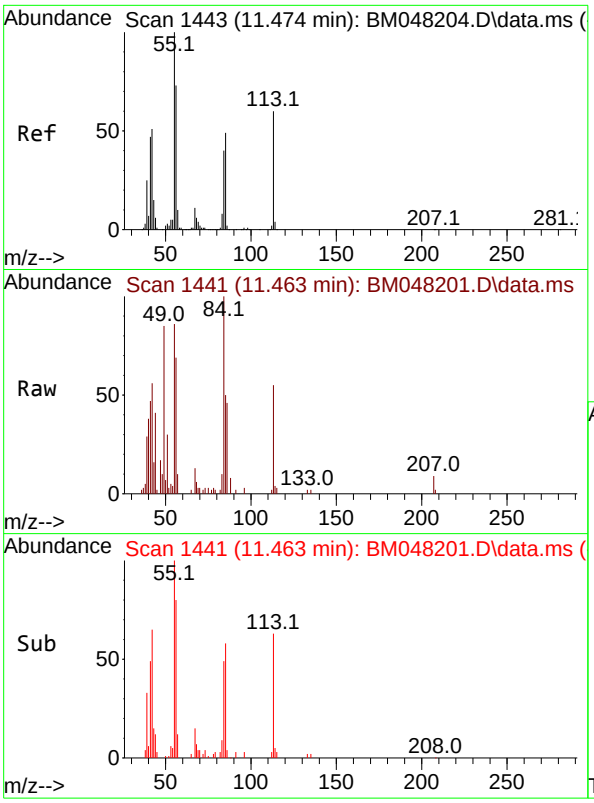


#34
Hexachlorobutadiene
Concen: 5.216 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:225 Resp: 32476

Ion	Ratio	Lower	Upper
225	100		
223	66.3	48.6	73.0
227	63.1	49.6	74.4

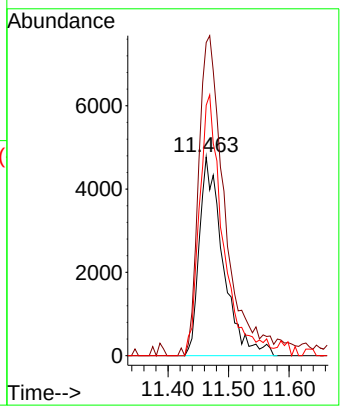




#35
Caprolactam
Concen: 4.551 ng m
RT: 11.463 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:113 Resp: 1294

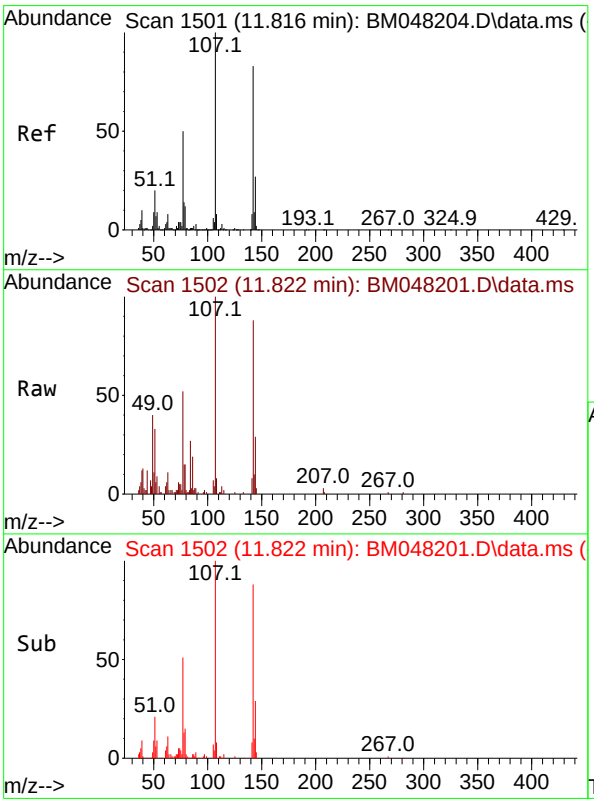
Ion	Ratio	Lower	Upper
113	100		
55	157.6	146.1	186.1
56	126.0	101.9	141.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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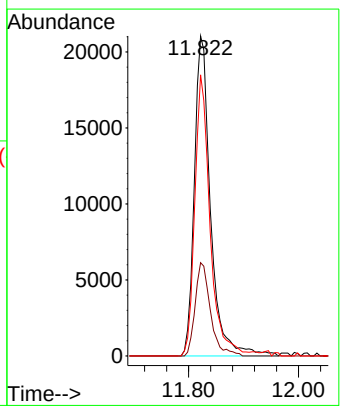
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

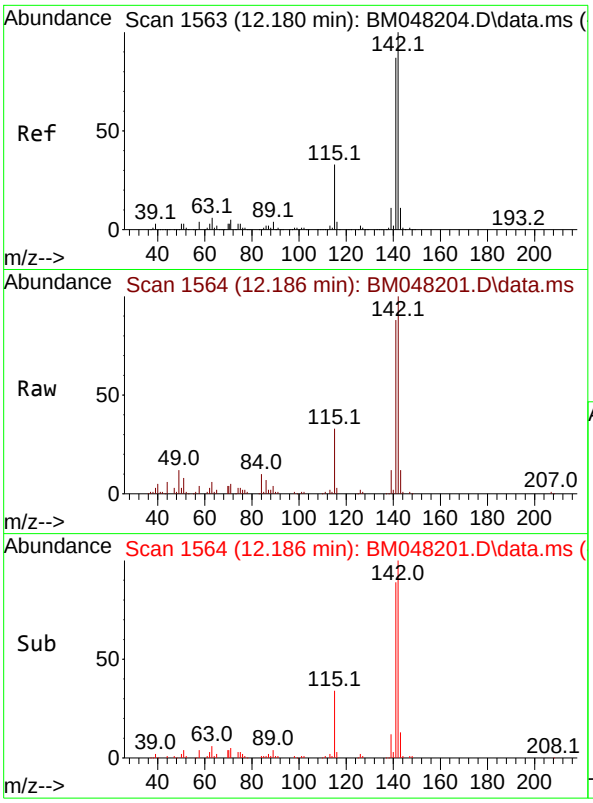


#36
4-Chloro-3-methylphenol
Concen: 4.707 ng
RT: 11.822 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:107 Resp: 43099

Ion	Ratio	Lower	Upper
107	100		
144	29.2	21.5	32.3
142	87.8	66.8	100.2

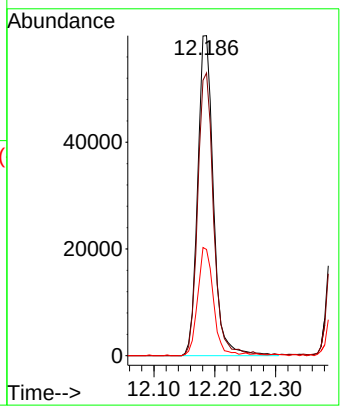




#37
2-Methylnaphthalene
Concen: 5.208 ng
RT: 12.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:142 Resp: 10764

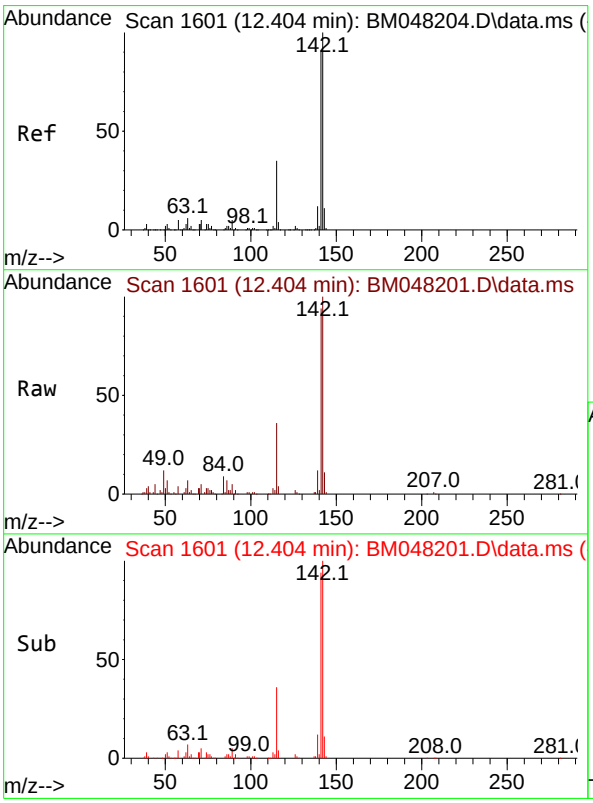
Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.8	104.6
115	33.2	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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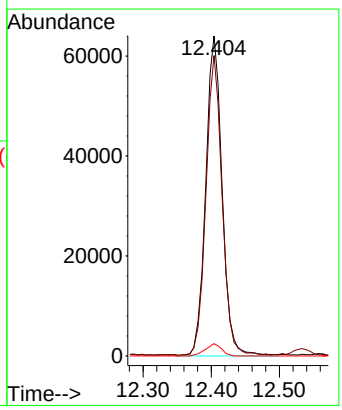
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

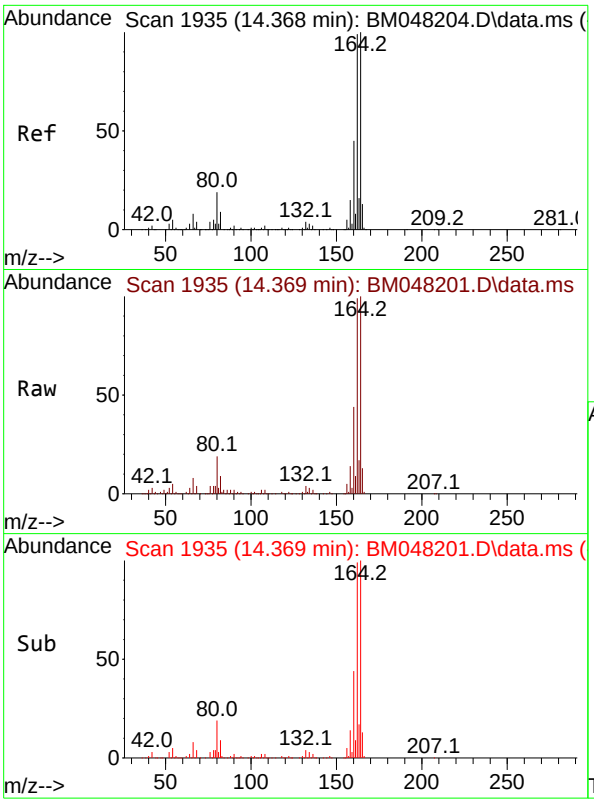


#38
1-Methylnaphthalene
Concen: 5.235 ng
RT: 12.404 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:142 Resp: 107297

Ion	Ratio	Lower	Upper
142	100		
141	93.9	72.7	109.1
116	3.8	2.9	4.3

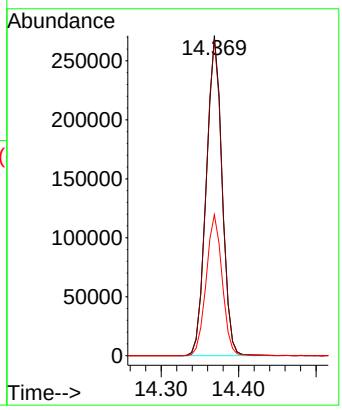




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:164 Resp: 38422

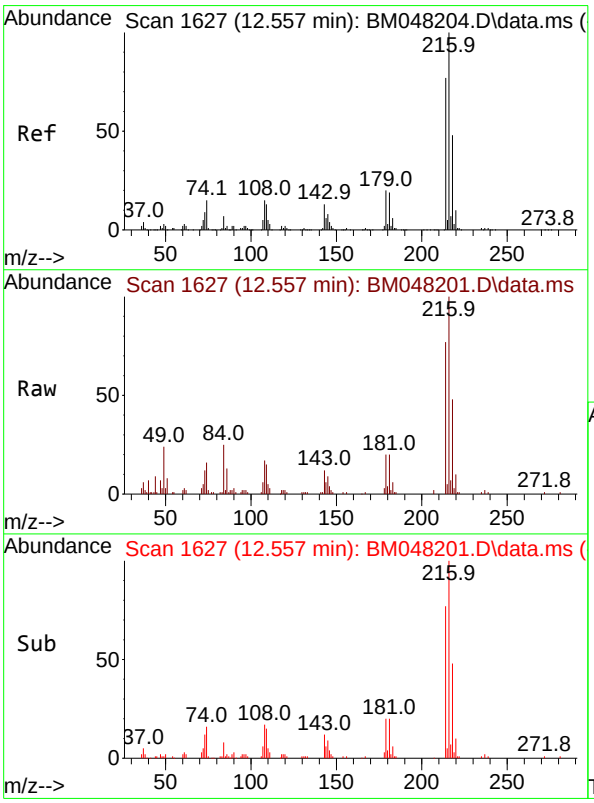
Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.1	118.7
160	44.0	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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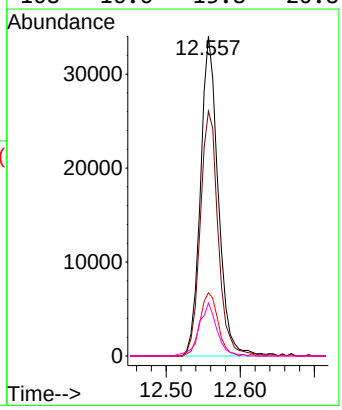
Reviewed By :Yogesh Patel 10/24/2024
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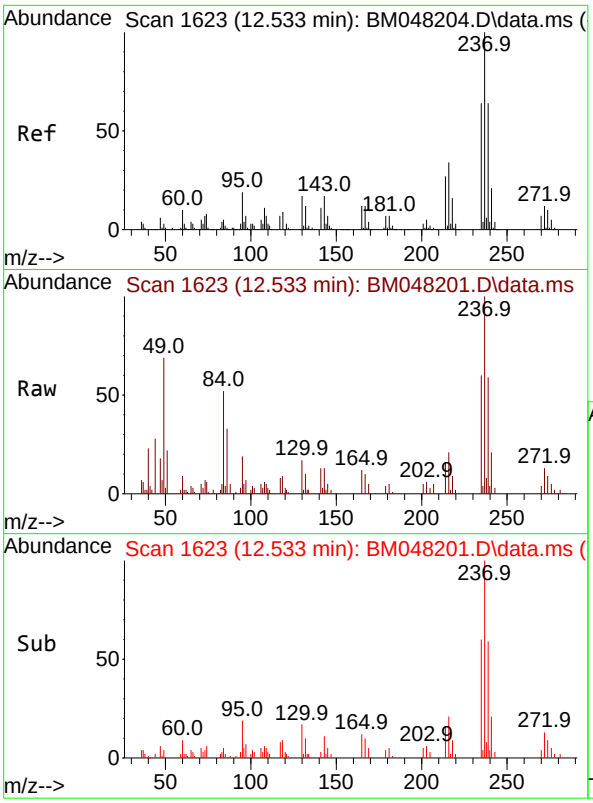


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.145 ng
RT: 12.557 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:216 Resp: 56505

Ion	Ratio	Lower	Upper
216	100		
214	77.1	62.2	93.2
179	20.1	16.0	24.0
108	16.6	13.8	20.8

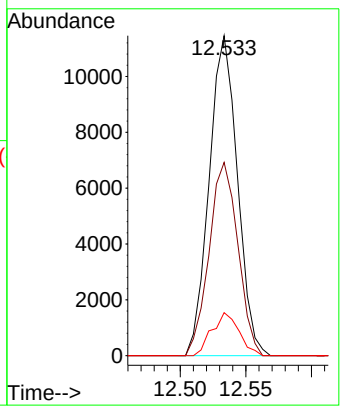




#41
Hexachlorocyclopentadiene
Concen: 4.615 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:237 Resp: 1715

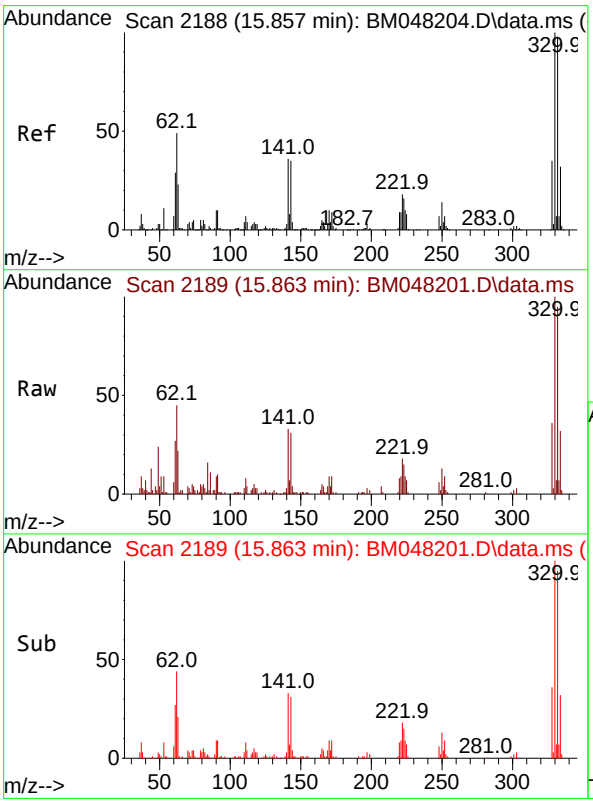
Ion	Ratio	Lower	Upper
237	100		
235	60.4	44.2	84.2
272	13.5	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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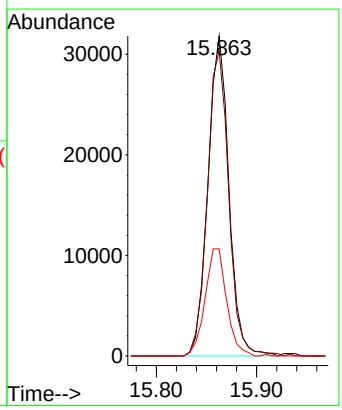
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

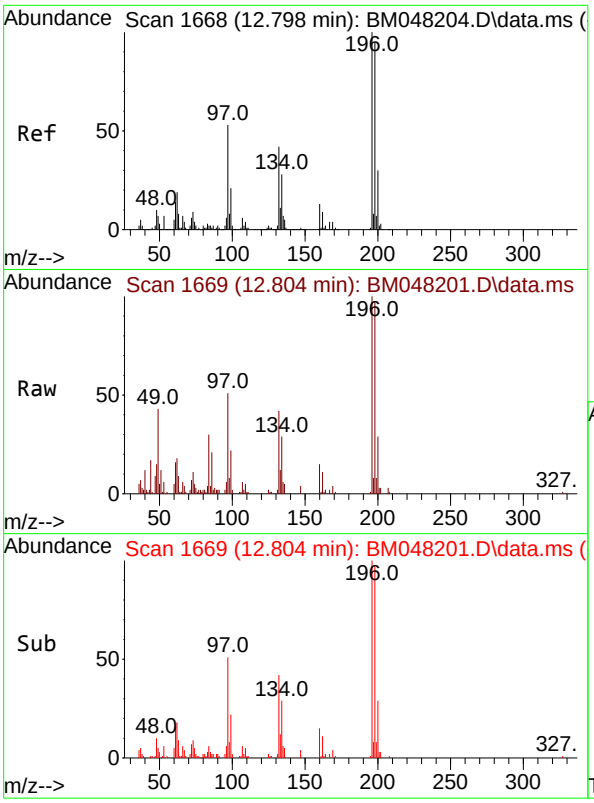


#42
2,4,6-Tribromophenol
Concen: 9.833 ng
RT: 15.863 min Scan# 2189
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:330 Resp: 46245

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.5	116.3
141	34.5	27.5	41.3





#43
2,4,6-Trichlorophenol
Concen: 4.699 ng
RT: 12.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

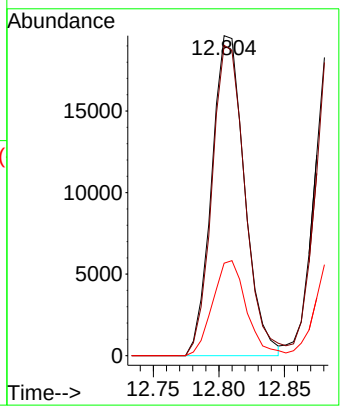
Tgt Ion:196 Resp: 3424

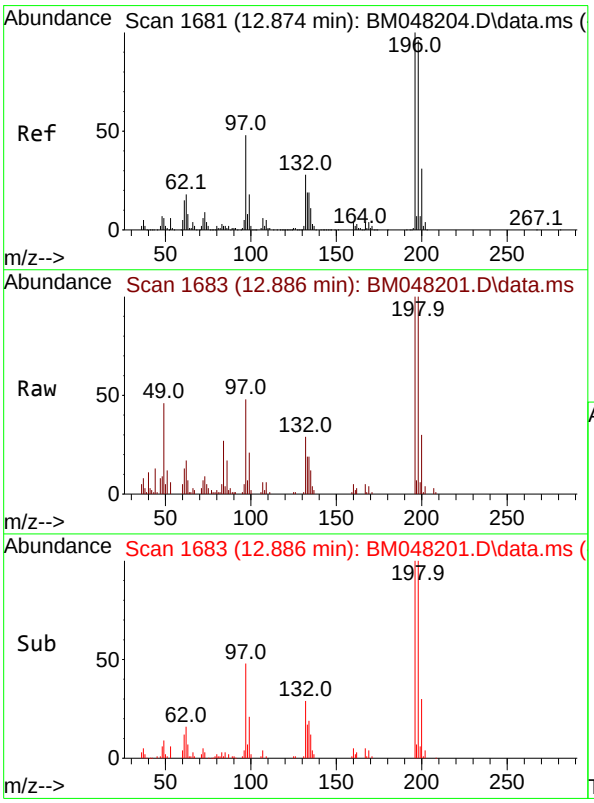
Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.2	114.2
200	28.9	24.2	36.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

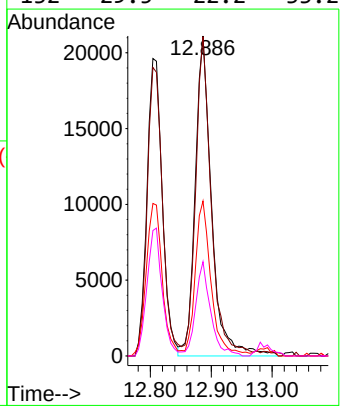


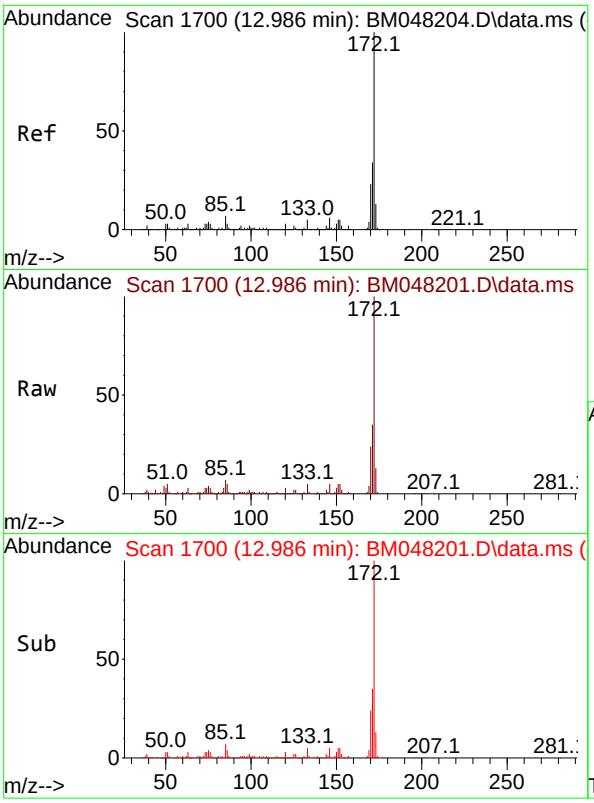


#44
2,4,5-Trichlorophenol
Concen: 4.860 ng
RT: 12.886 min Scan# 1683
Delta R.T. 0.012 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:196 Resp: 39495

Ion	Ratio	Lower	Upper
196	100		
198	99.8	76.7	115.1
97	48.4	38.5	57.7
132	29.5	22.2	33.2





#45
2-Fluorobiphenyl
Concen: 10.675 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

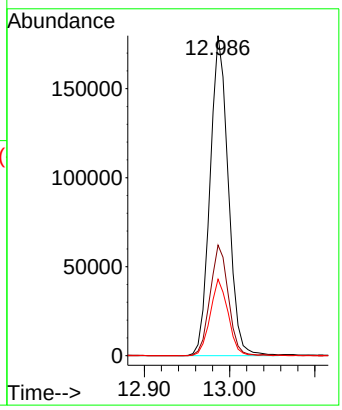
Tgt Ion:172 Resp: 26730

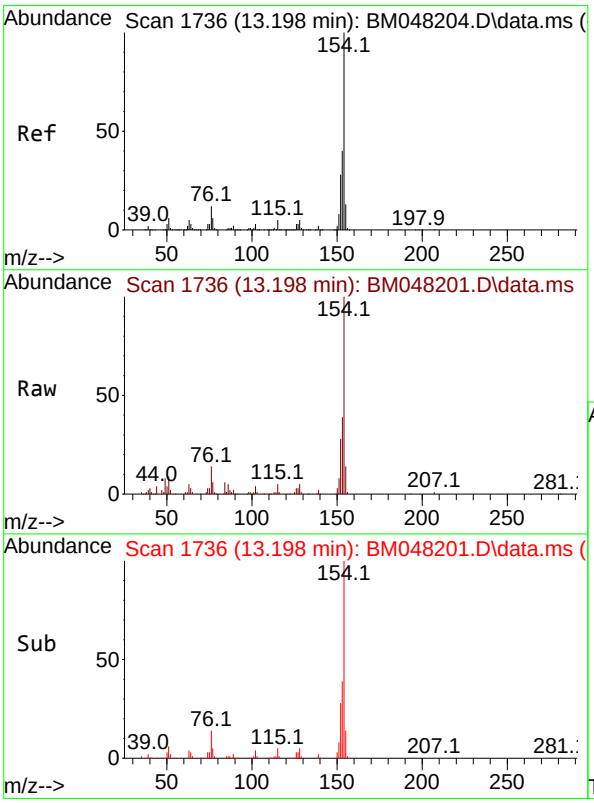
Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	23.9	18.5	27.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

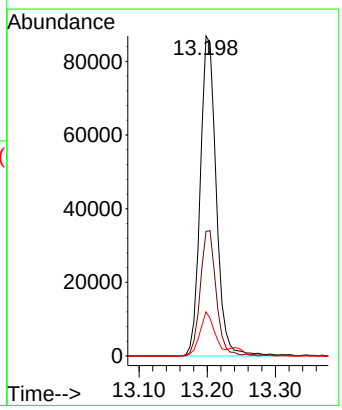


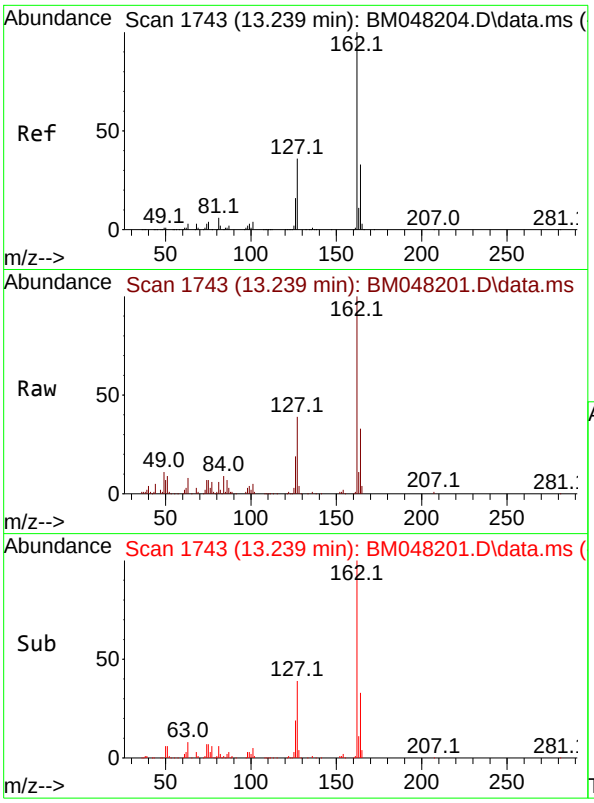


#46
1,1'-Biphenyl
Concen: 5.167 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:154 Resp: 141745

Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.9	59.9
76	13.8	0.0	32.4

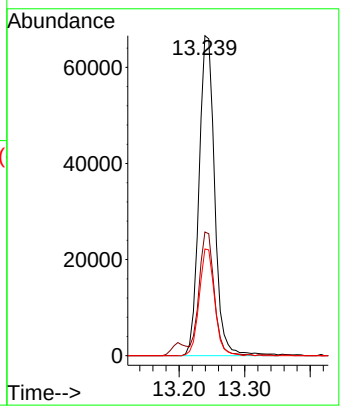




#47
2-Chloronaphthalene
Concen: 5.121 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:162 Resp: 11077

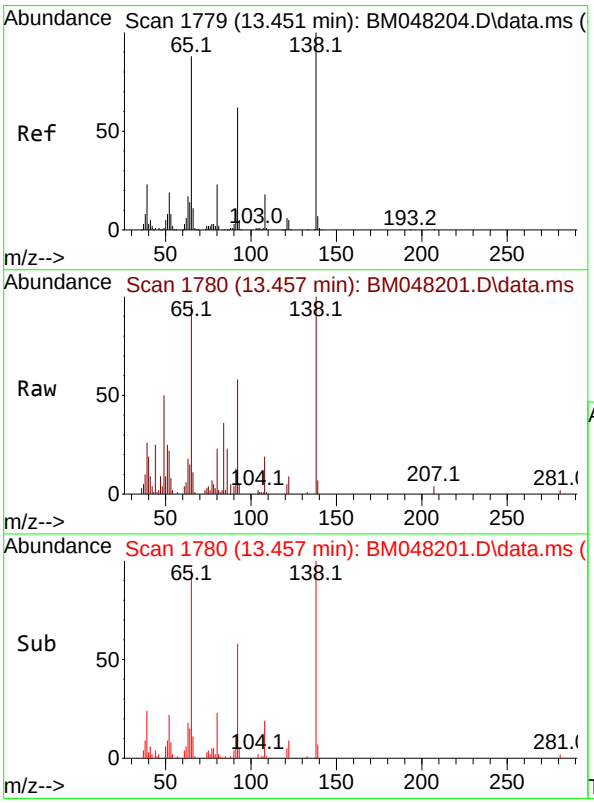
Ion	Ratio	Lower	Upper
162	100		
127	38.7	31.0	46.6
164	33.4	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

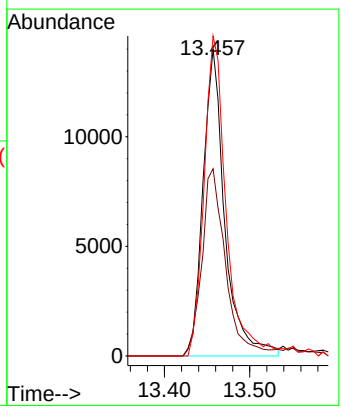
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

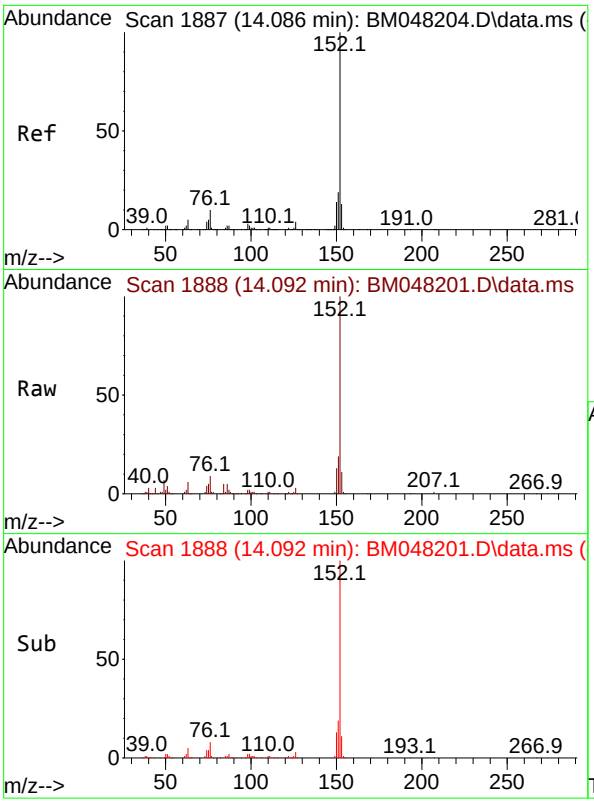


#48
2-Nitroaniline
Concen: 4.223 ng
RT: 13.457 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 65 Resp: 24776

Ion	Ratio	Lower	Upper
65	100		
92	60.9	56.0	84.0
138	104.2	90.8	136.2

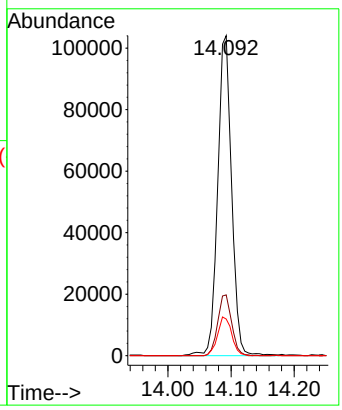




#49
Acenaphthylene
Concen: 5.055 ng
RT: 14.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:152 Resp: 15952

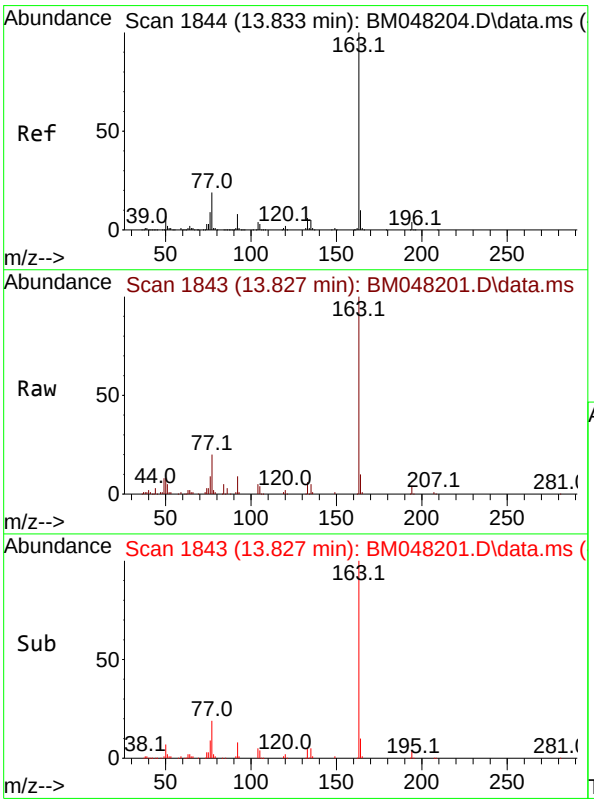
Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.2
153	11.4	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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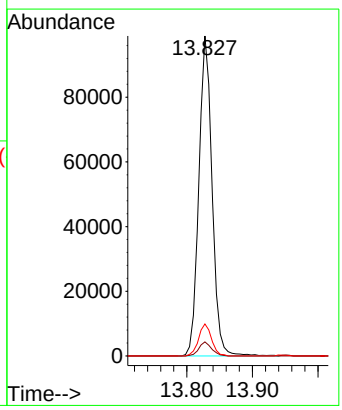
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

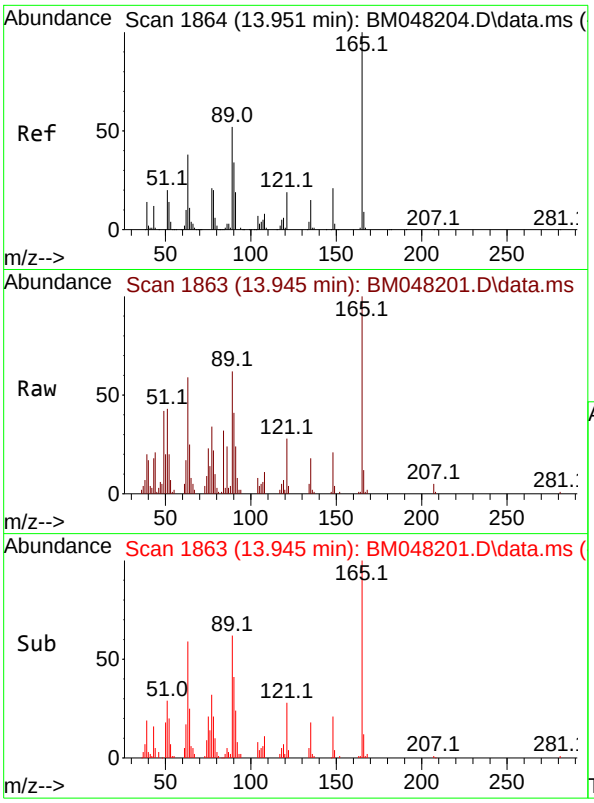


#50
Dimethylphthalate
Concen: 5.313 ng
RT: 13.827 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:163 Resp: 139365

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.1	4.7
164	10.0	7.8	11.6

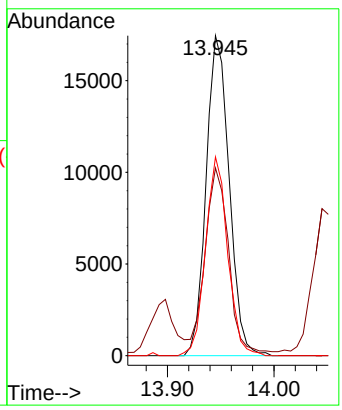




#51
2,6-Dinitrotoluene
Concen: 4.484 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:165 Resp: 2624

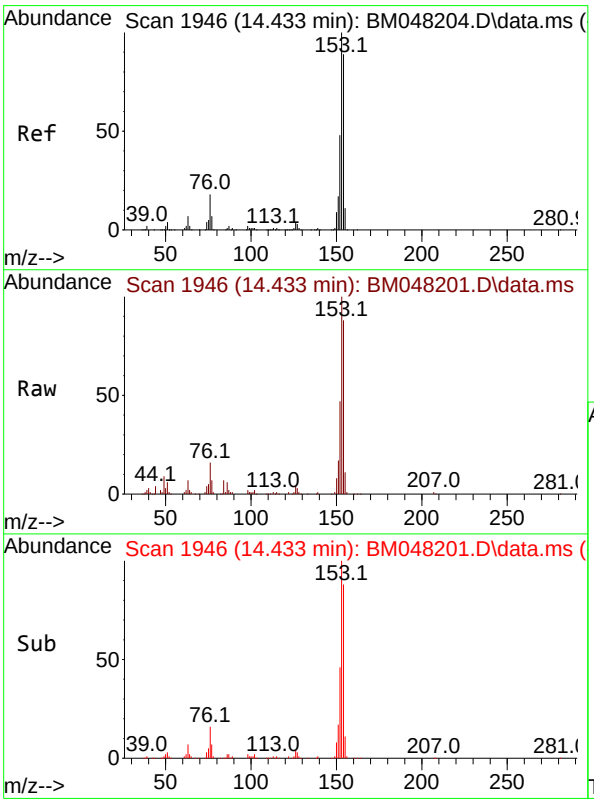
Ion	Ratio	Lower	Upper
165	100		
63	58.7	39.5	59.3
89	62.1	41.8	62.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

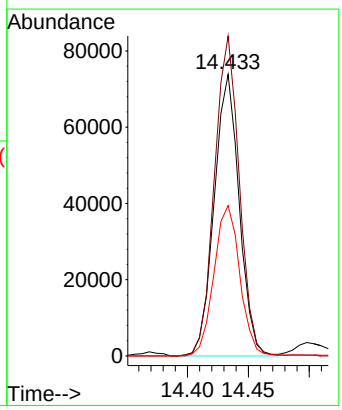
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

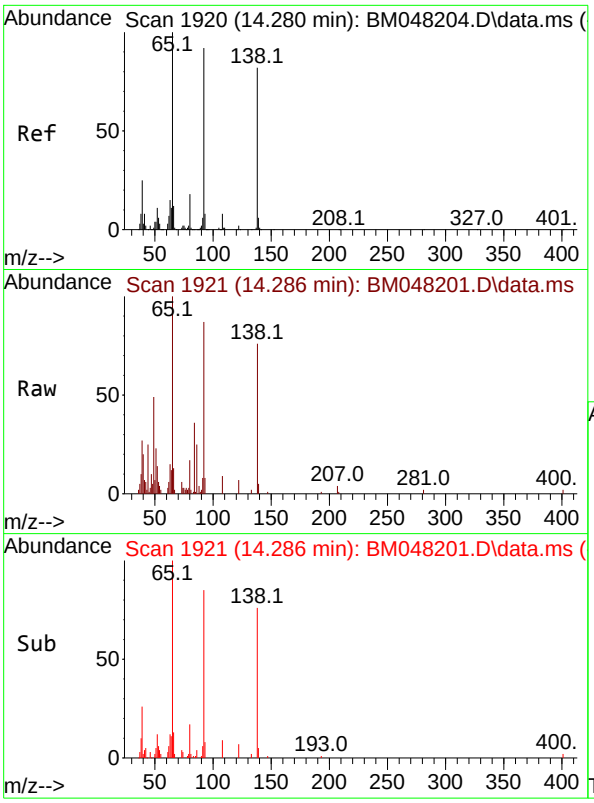


#52
Acenaphthene
Concen: 5.260 ng
RT: 14.433 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:154 Resp: 105474

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.4	135.6
152	53.4	43.6	65.4

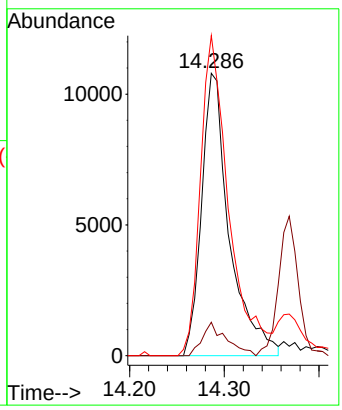




#53
3-Nitroaniline
Concen: 3.989 ng
RT: 14.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:138 Resp: 2201

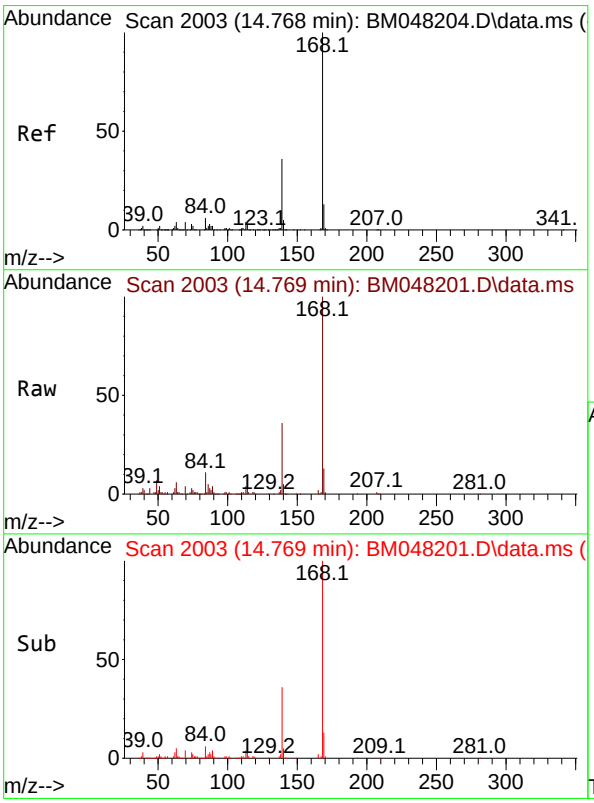
Ion	Ratio	Lower	Upper
138	100		
108	11.8	7.5	11.3#
92	113.3	89.7	134.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

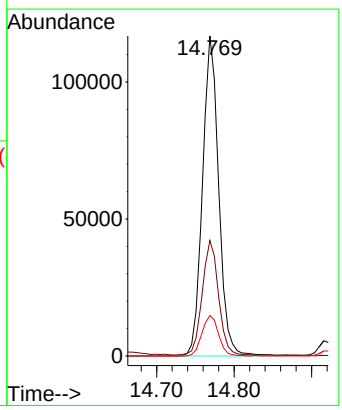
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

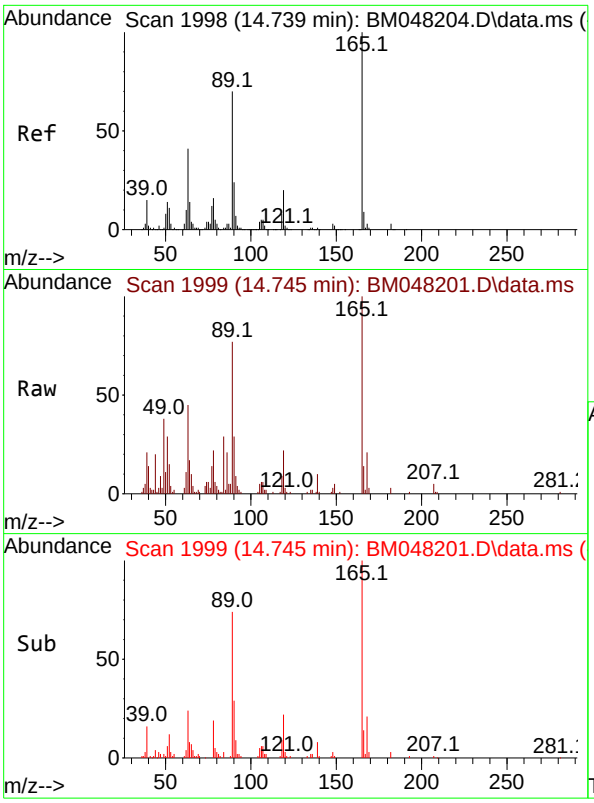


#55
Dibenzofuran
Concen: 5.325 ng
RT: 14.769 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:168 Resp: 169629

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.0	43.6
169	12.6	10.4	15.6

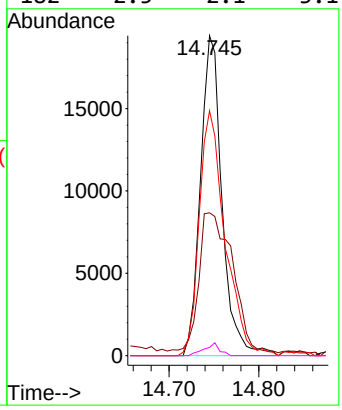




#57
2,4-Dinitrotoluene
Concen: 4.195 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:165 Resp: 3242

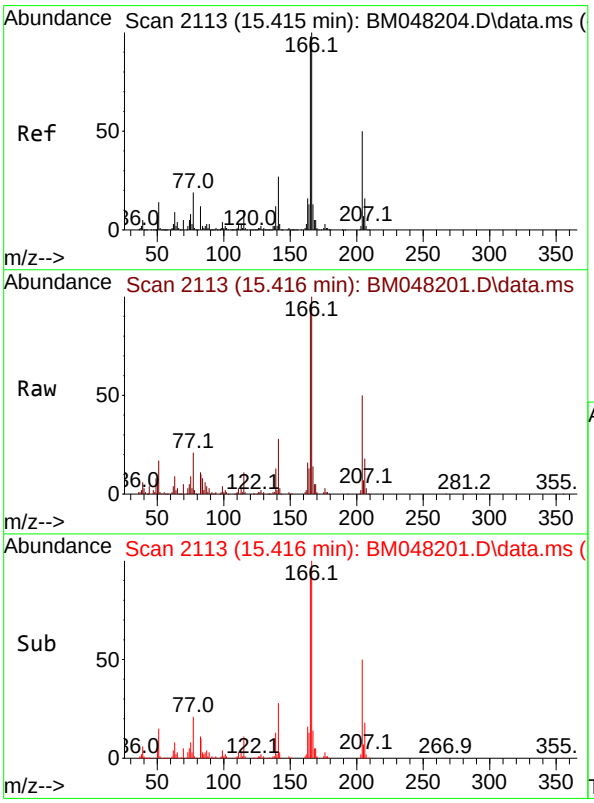
Ion	Ratio	Lower	Upper
165	100		
63	44.7	33.0	49.4
89	76.6	55.8	83.6
182	2.5	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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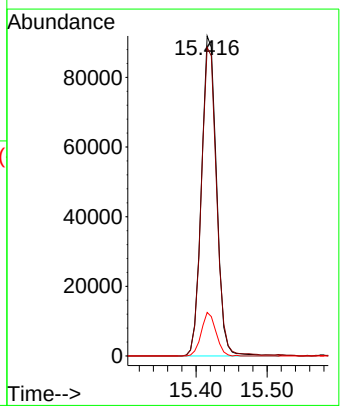
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

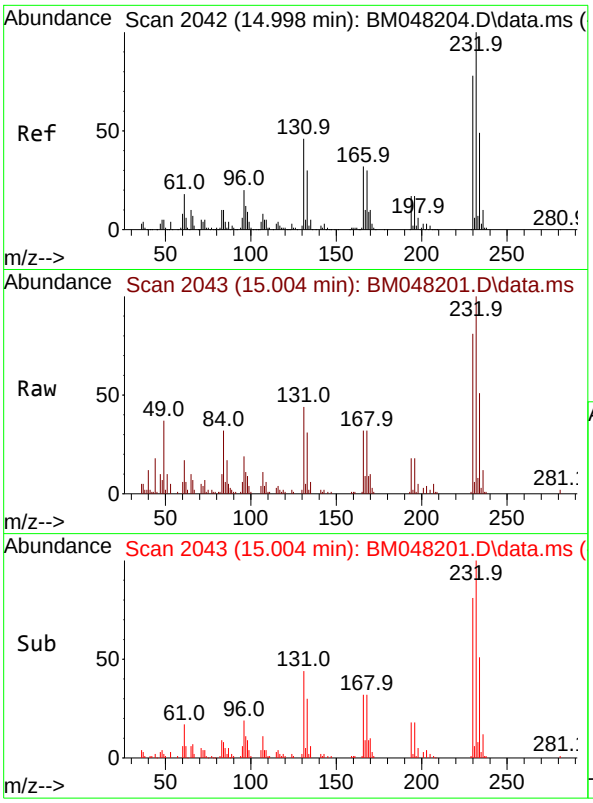


#58
Fluorene
Concen: 5.386 ng
RT: 15.416 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:166 Resp: 135671

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.4	117.6
167	13.6	10.8	16.2

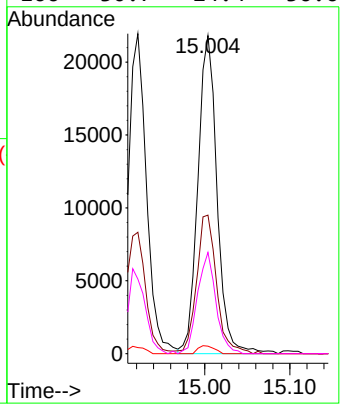




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.072 ng
RT: 15.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:232 Resp: 3416

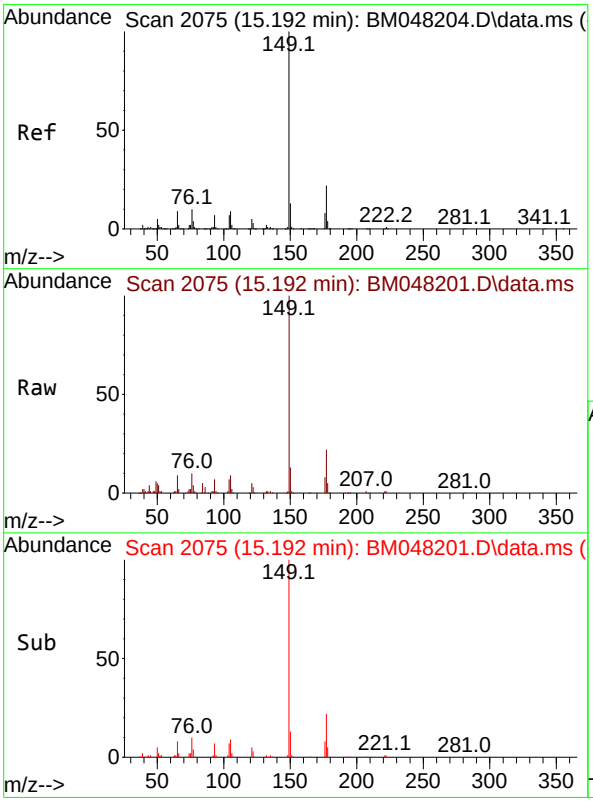
Ion	Ratio	Lower	Upper
232	100		
131	45.4	35.5	53.3
130	2.1	1.8	2.6
166	30.7	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

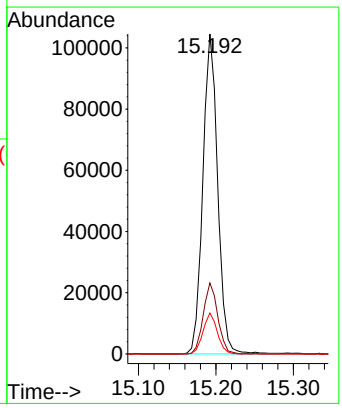
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

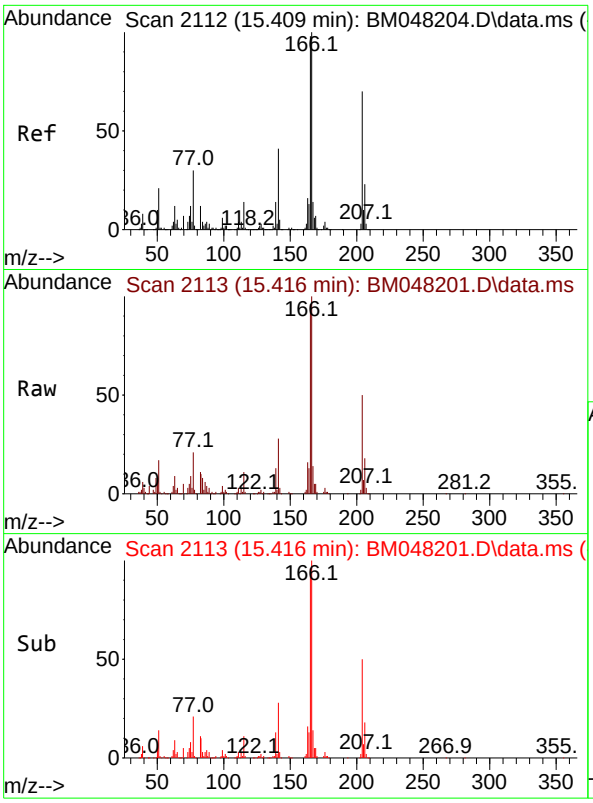


#60
Diethylphthalate
Concen: 5.226 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:149 Resp: 138791

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.5	26.3
150	12.8	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 5.335 ng
RT: 15.416 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

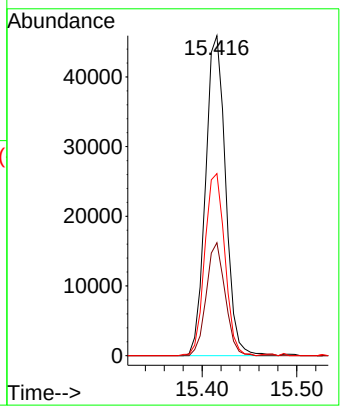
Tgt Ion:204 Resp: 6719

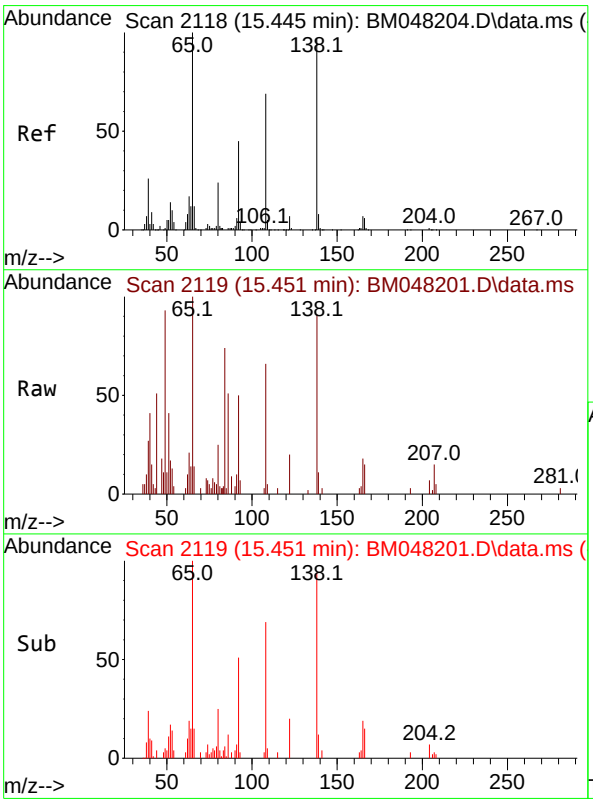
Ion	Ratio	Lower	Upper
204	100		
206	35.3	26.2	39.4
141	56.9	47.0	70.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

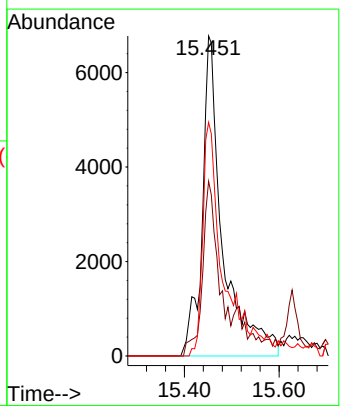


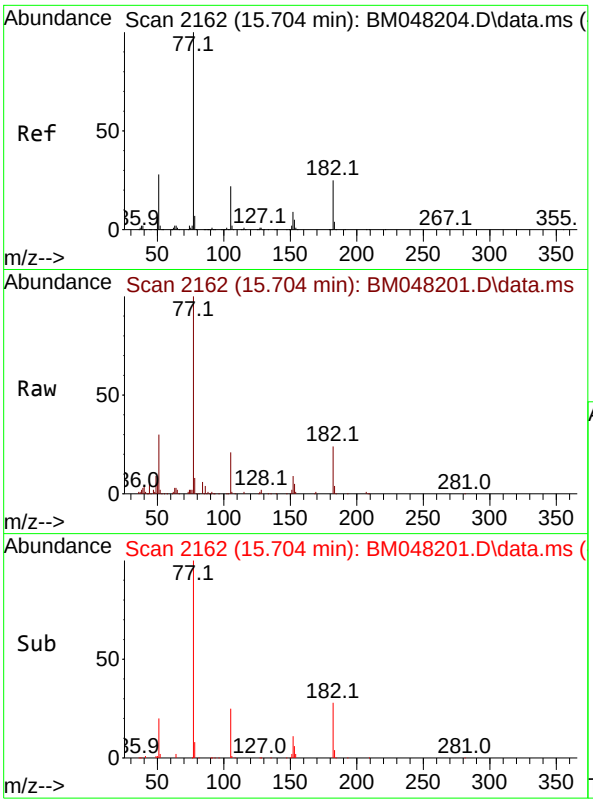


#62
4-Nitroaniline
Concen: 3.576 ng
RT: 15.451 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:138 Resp: 20429

Ion	Ratio	Lower	Upper
138	100		
92	54.6	26.9	66.9
108	73.0	51.3	91.3

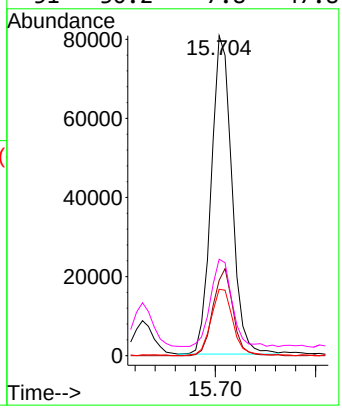




#63
Azobenzene
Concen: 4.825 ng
RT: 15.704 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion: 77 Resp: 11483

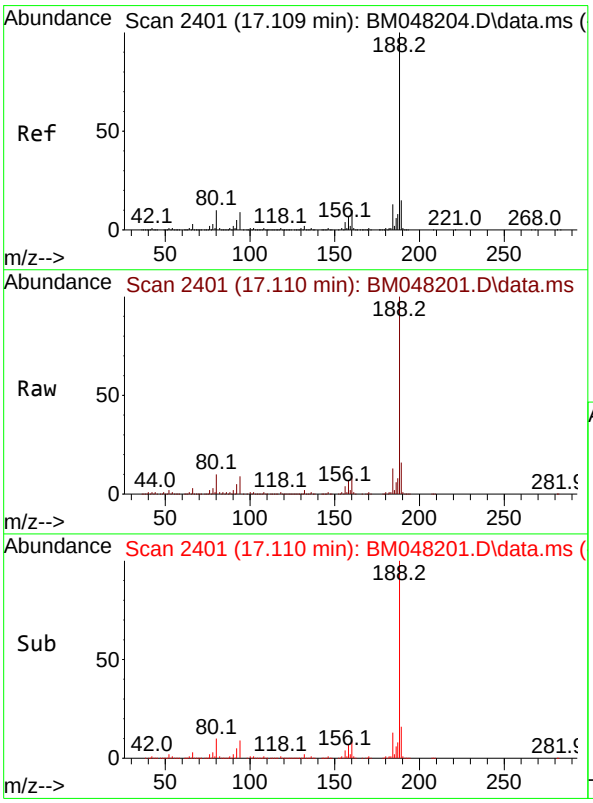
Ion	Ratio	Lower	Upper
77	100		
182	23.6	5.3	45.3
105	20.7	1.6	41.6
51	30.2	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

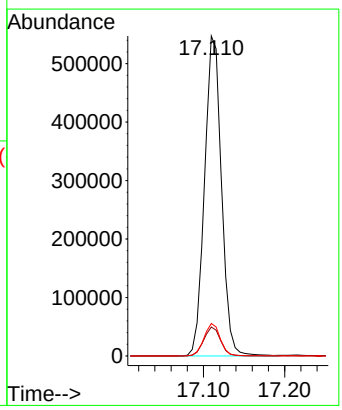
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

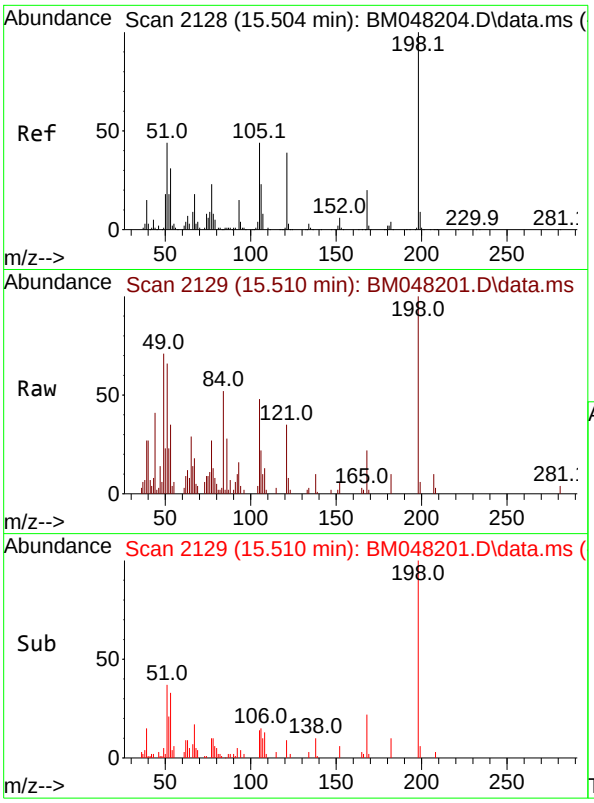


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:188 Resp: 791833

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.1	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 3.751 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

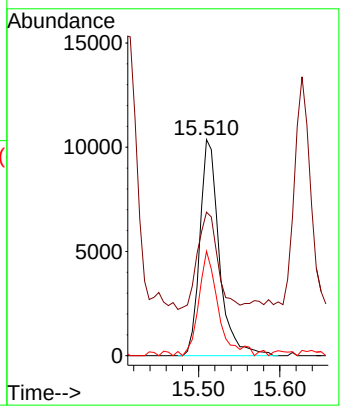
Tgt Ion:198 Resp: 1723

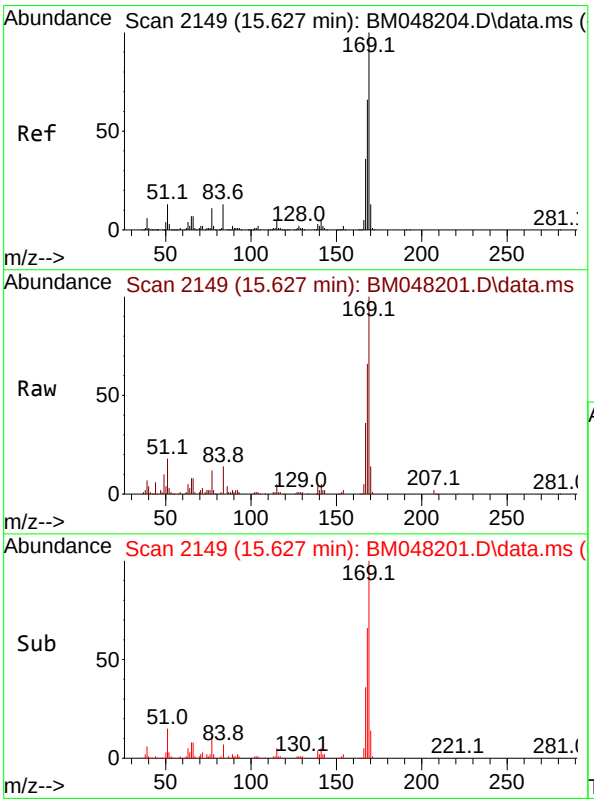
Ion	Ratio	Lower	Upper
198	100		
51	66.4	25.4	65.4
105	48.3	23.9	63.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

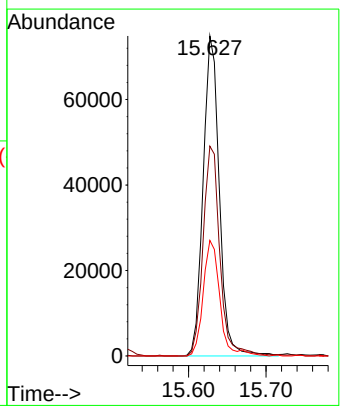


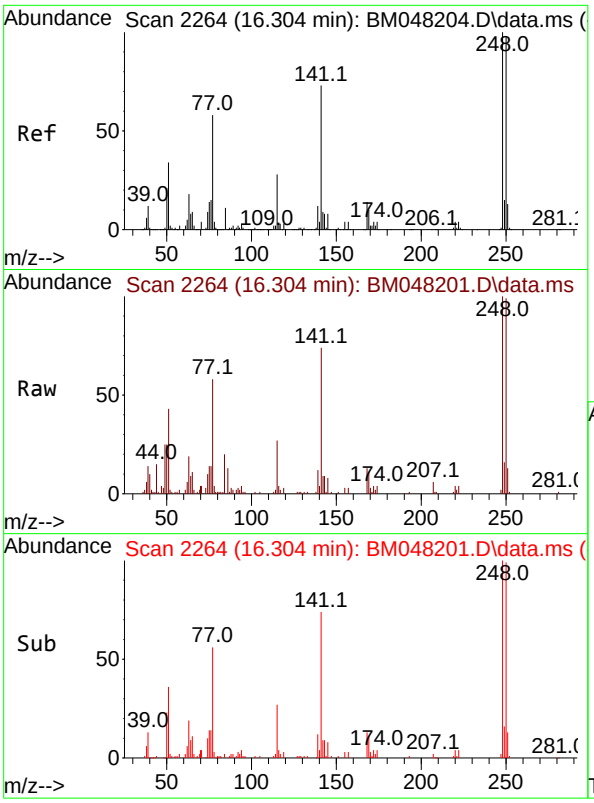


#66
n-Nitrosodiphenylamine
Concen: 4.998 ng
RT: 15.627 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:169 Resp: 108646

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.9	79.3
167	36.1	29.3	43.9

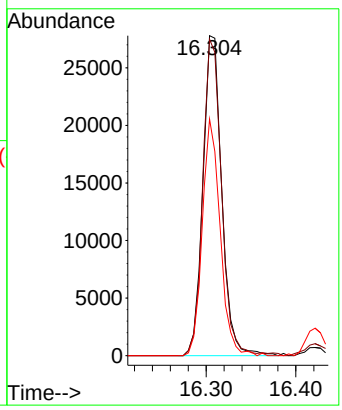




#67
4-Bromophenyl-phenylether
Concen: 5.051 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:248 Resp: 4055

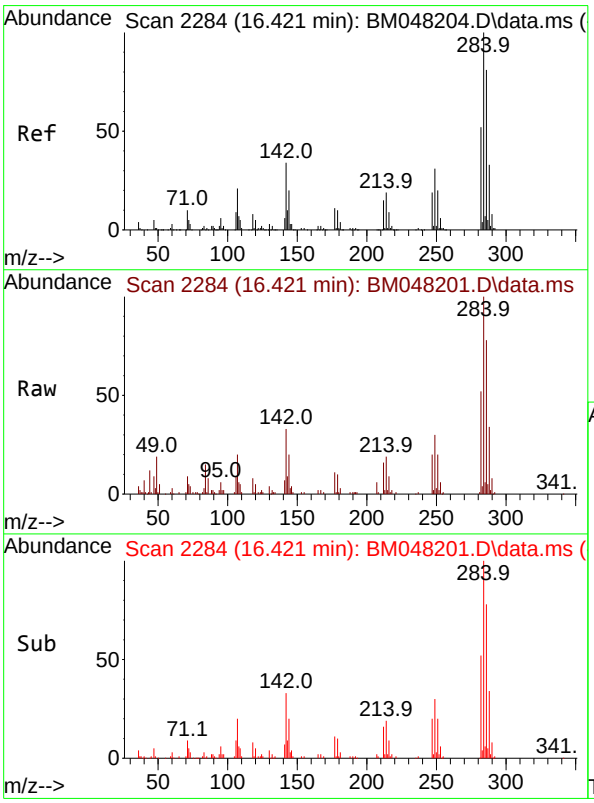
Ion	Ratio	Lower	Upper
248	100		
250	98.9	78.3	117.5
141	73.9	58.0	87.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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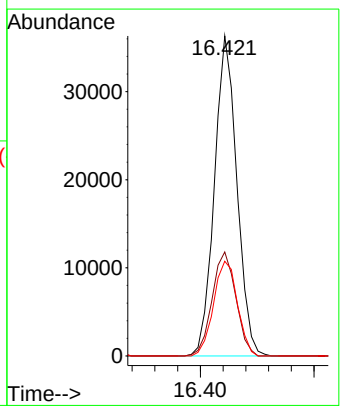
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

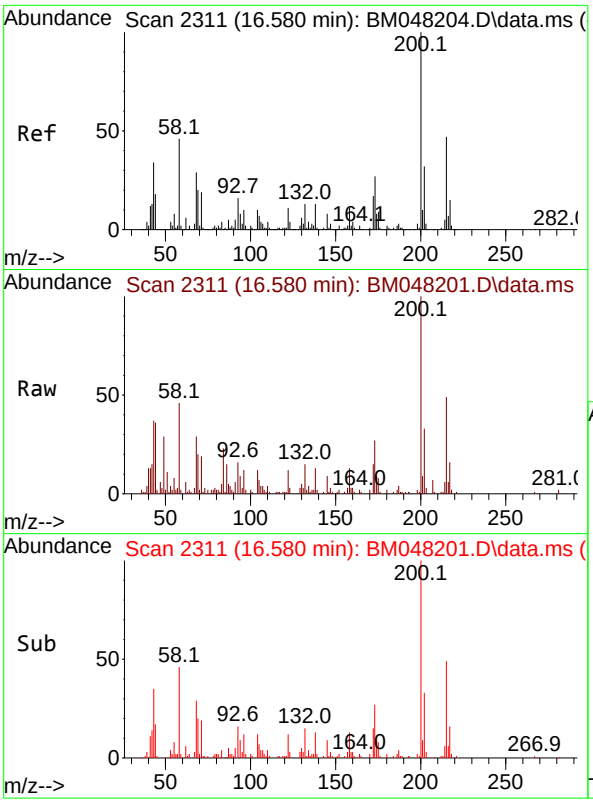


#68
Hexachlorobenzene
Concen: 5.174 ng
RT: 16.421 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:284 Resp: 49891

Ion	Ratio	Lower	Upper
284	100		
142	32.5	27.0	40.4
249	29.6	24.6	36.8





#69
Atrazine
Concen: 5.728 ng
RT: 16.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

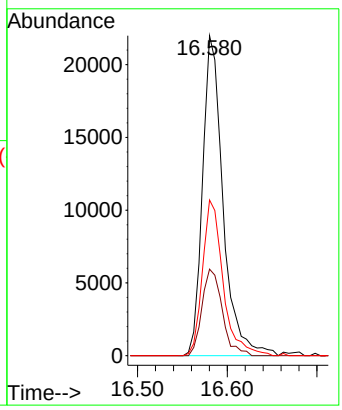
Tgt Ion:200 Resp: 3483

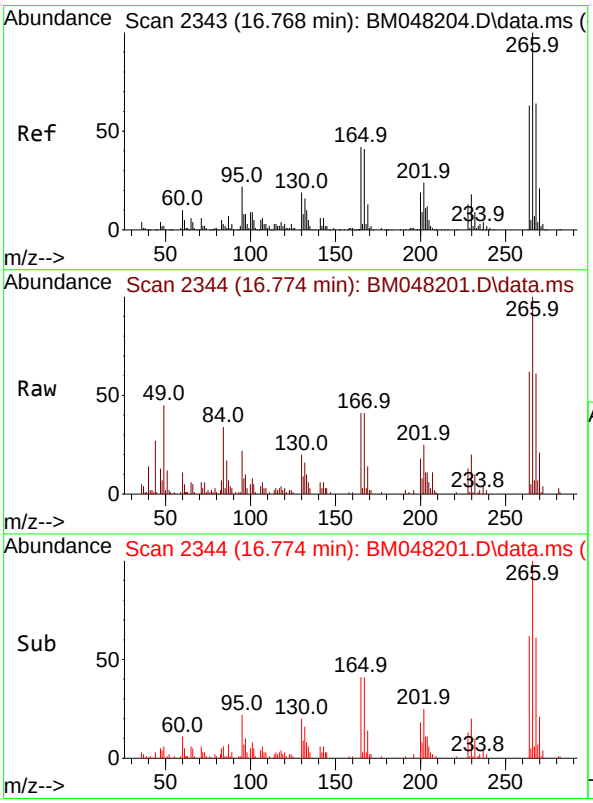
Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.5	46.5
215	48.7	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

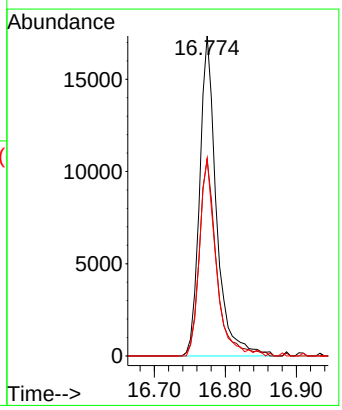


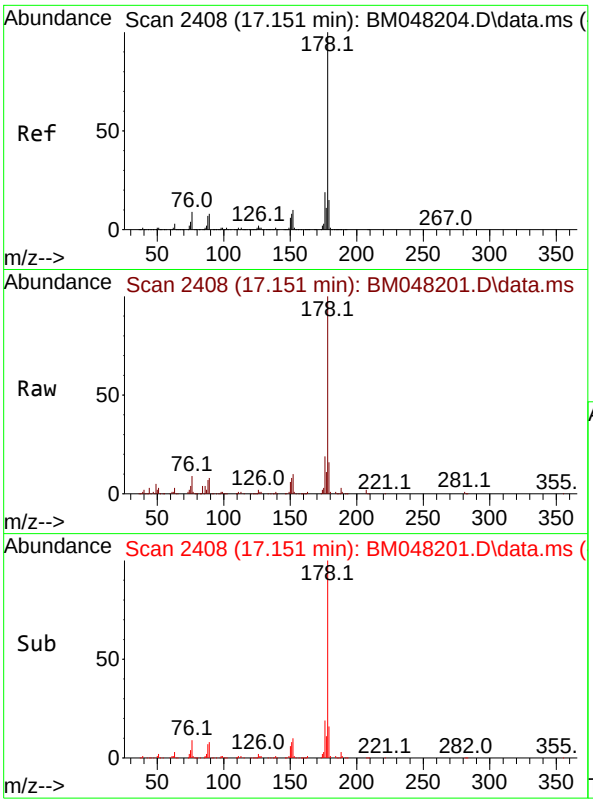


#70
Pentachlorophenol
Concen: 4.523 ng
RT: 16.774 min Scan# 2344
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:266 Resp: 28634

Ion	Ratio	Lower	Upper
266	100		
268	61.5	50.8	76.2
264	61.7	50.2	75.2





#71
Phenanthrene
Concen: 5.268 ng
RT: 17.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

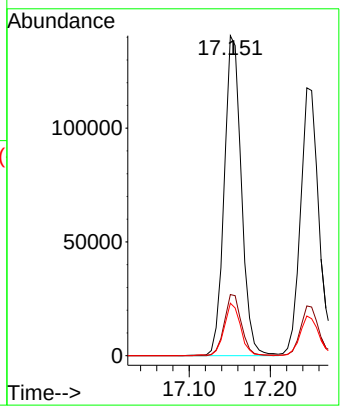
Tgt Ion:178 Resp: 20653

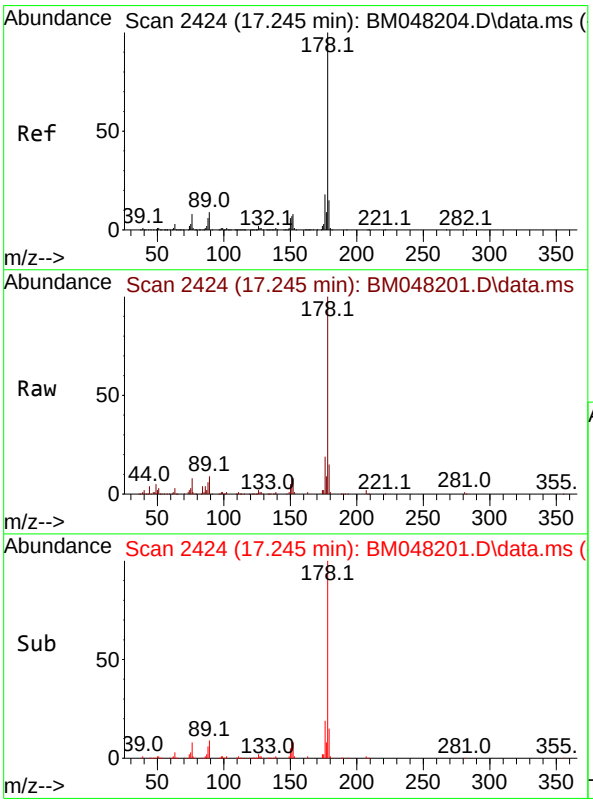
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	16.4	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

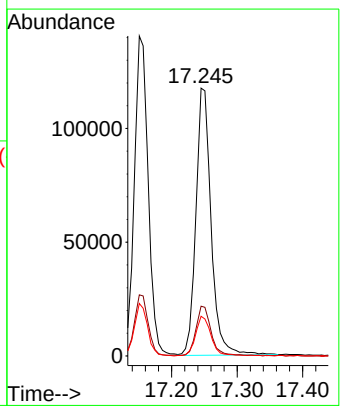


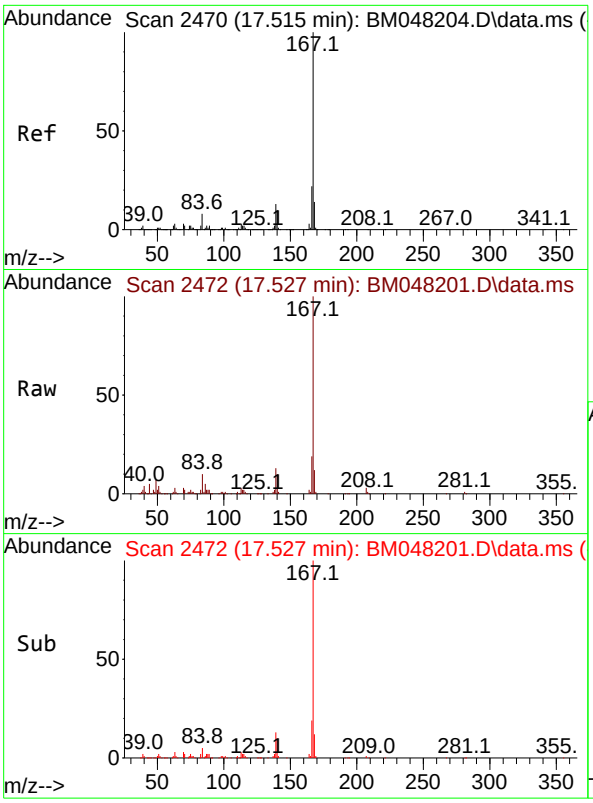


#72
Anthracene
Concen: 5.007 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:178 Resp: 190046

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	14.8	12.2	18.2

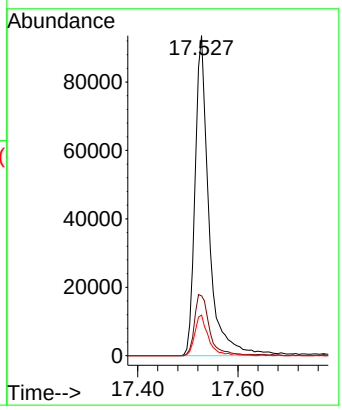




#73
Carbazole
Concen: 4.848 ng
RT: 17.527 min Scan# 24
Delta R.T. 0.012 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:167 Resp: 18040

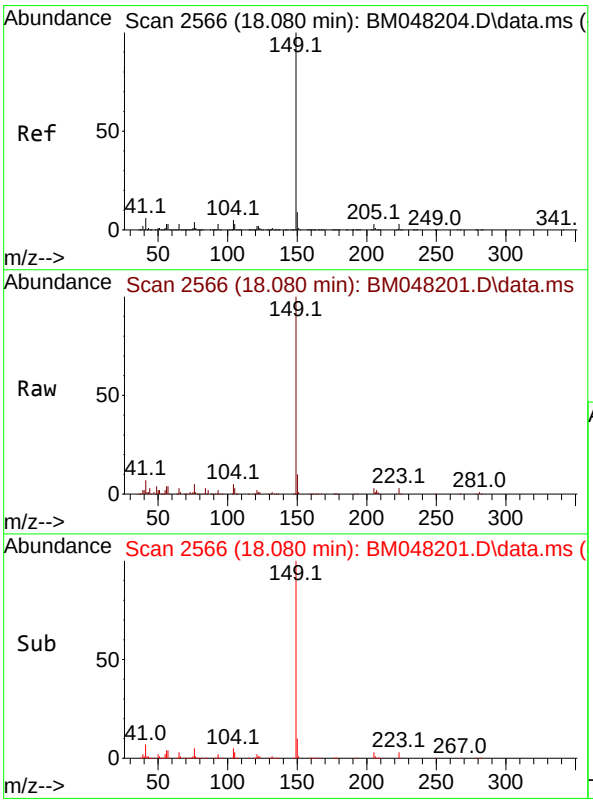
Ion	Ratio	Lower	Upper
167	100		
166	18.7	17.2	25.8
139	12.7	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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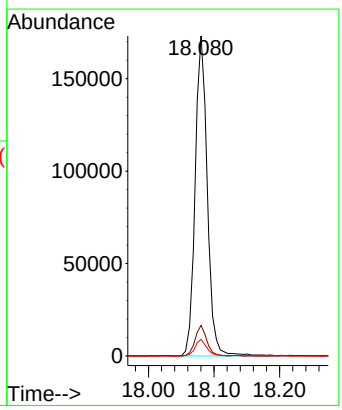
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

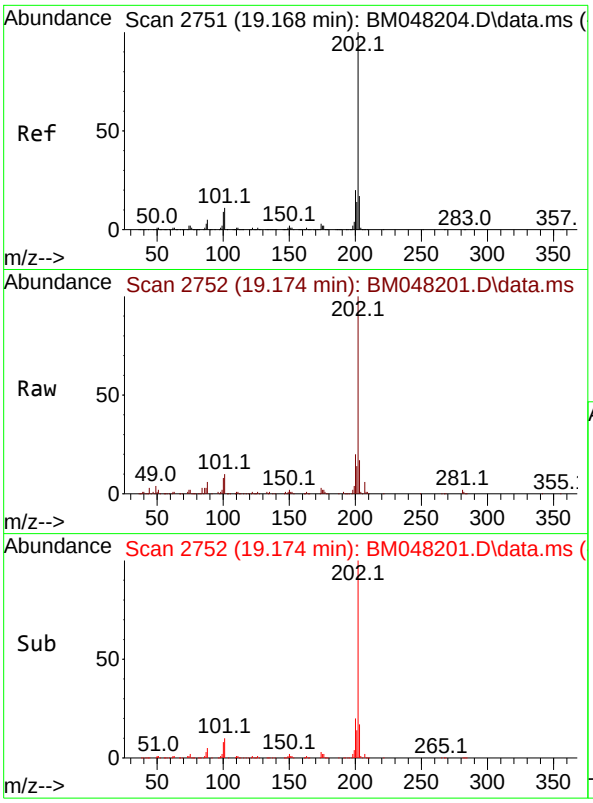


#74
Di-n-butylphthalate
Concen: 4.835 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:149 Resp: 223946

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.2	10.8
104	5.2	3.8	5.6

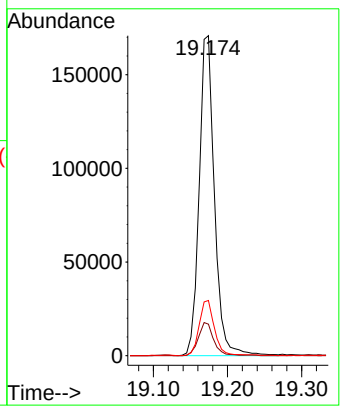




#75
Fluoranthene
Concen: 5.232 ng
RT: 19.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:202 Resp: 24472

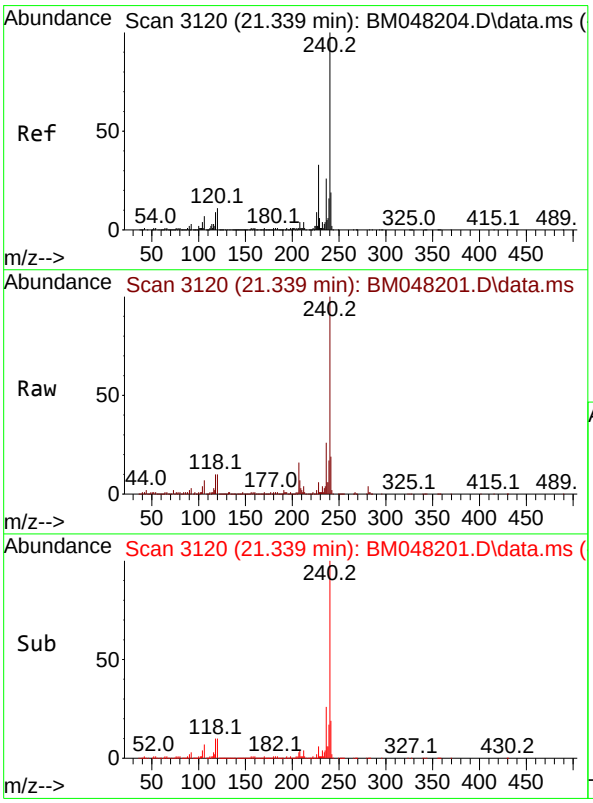
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.0
203	17.2	0.0	37.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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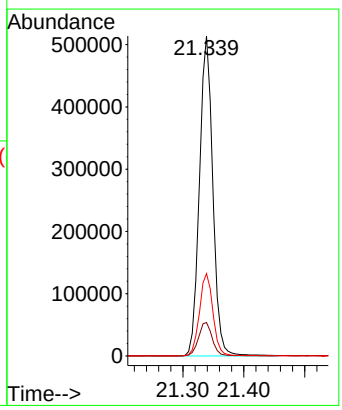
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

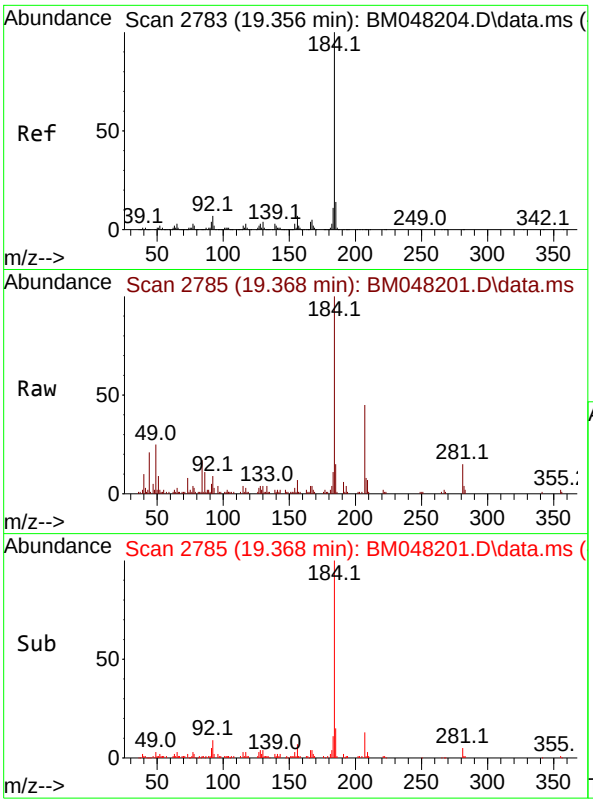


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:240 Resp: 785602

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	25.8	20.7	31.1

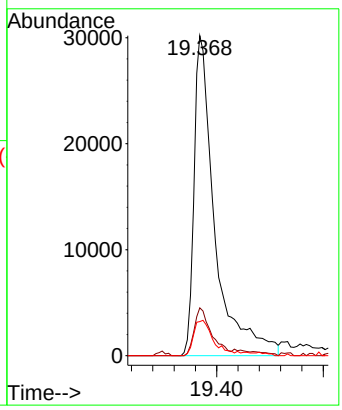




#77
Benzidine
Concen: 9.041 ng
RT: 19.368 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:184 Resp: 8197

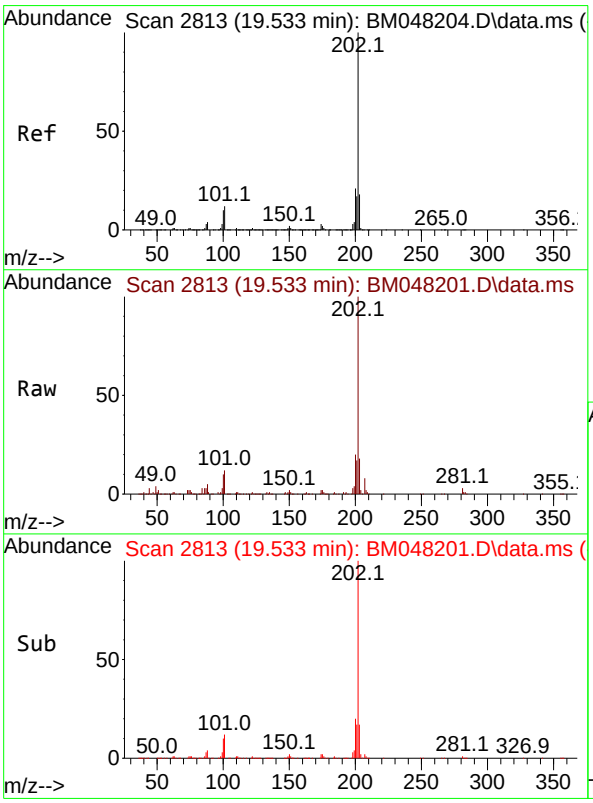
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.4	17.0
183	10.7	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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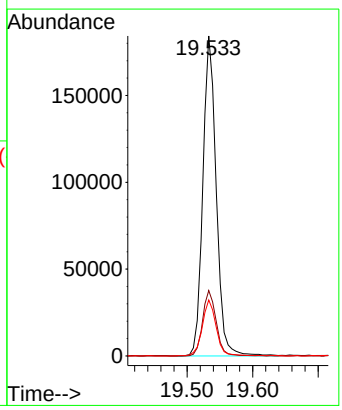
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

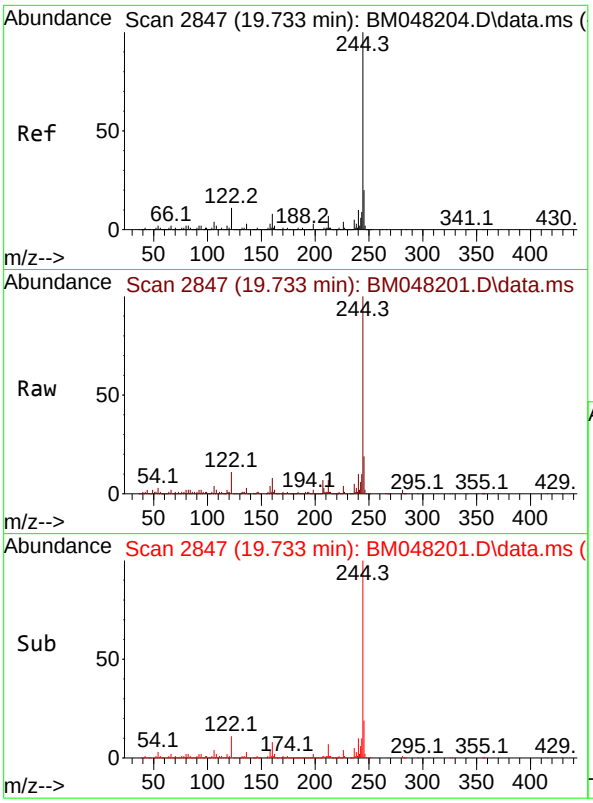


#78
Pyrene
Concen: 4.988 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:202 Resp: 262294

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.5	14.1	21.1

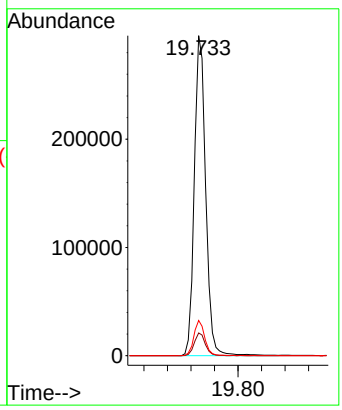




#79
Terphenyl-d14
Concen: 10.332 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:244 Resp: 39773

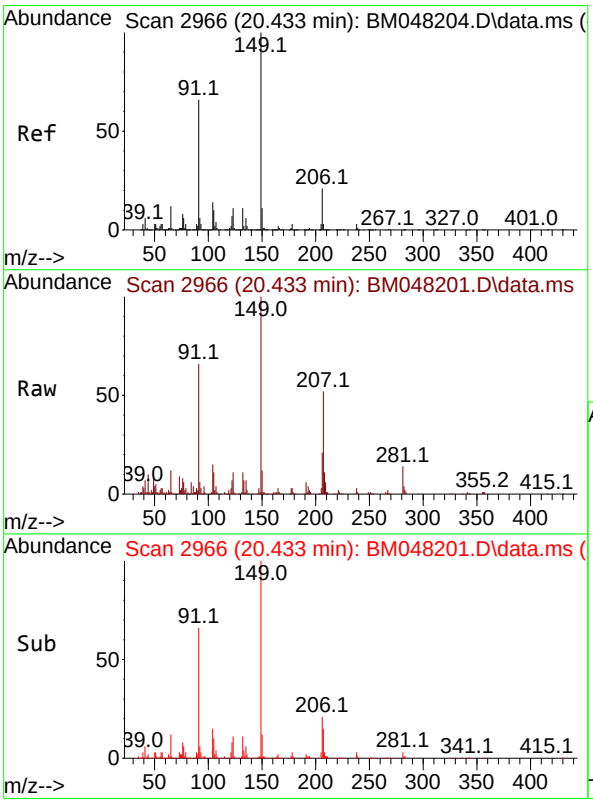
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.0	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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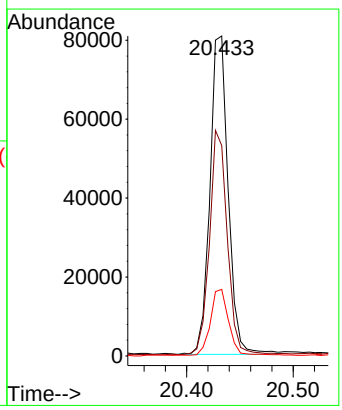
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

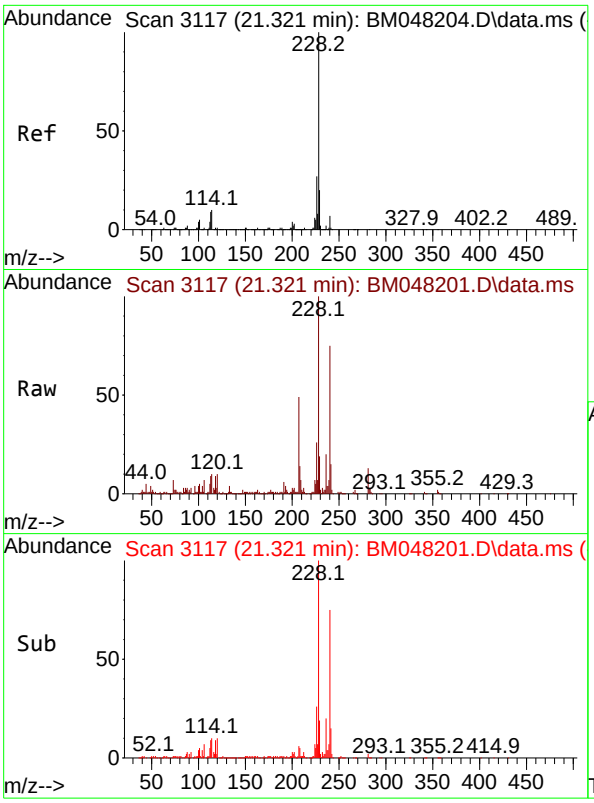


#80
Butylbenzylphthalate
Concen: 4.378 ng
RT: 20.433 min Scan# 2966
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:149 Resp: 96275

Ion	Ratio	Lower	Upper
149	100		
91	65.7	52.5	78.7
206	20.8	17.0	25.6





#81
Benzo(a)anthracene
Concen: 5.083 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

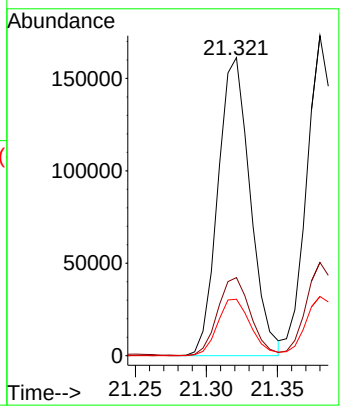
Tgt Ion:228 Resp: 25519

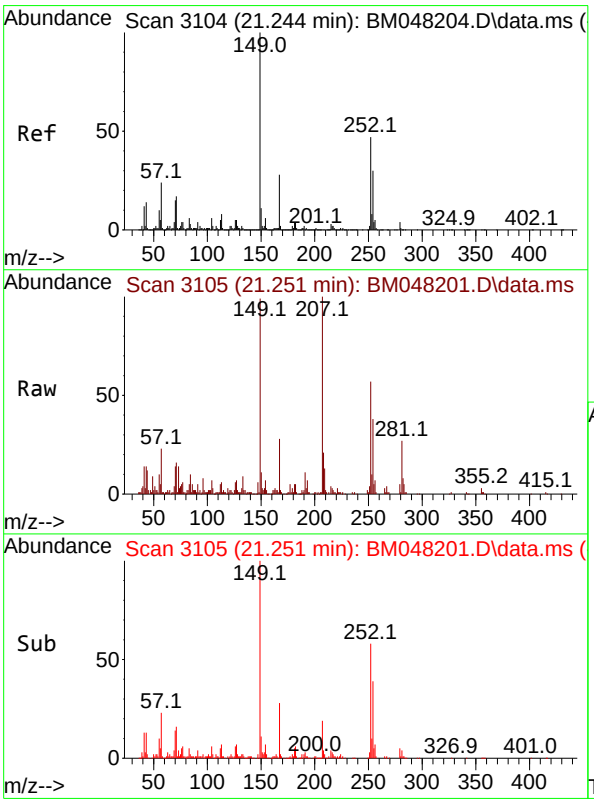
Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.5	32.3
229	19.0	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

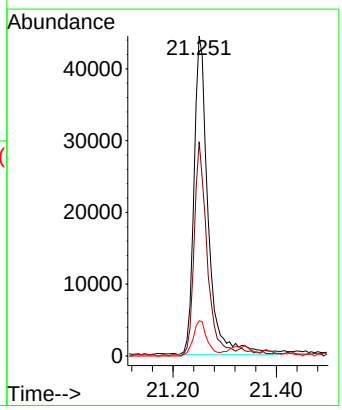


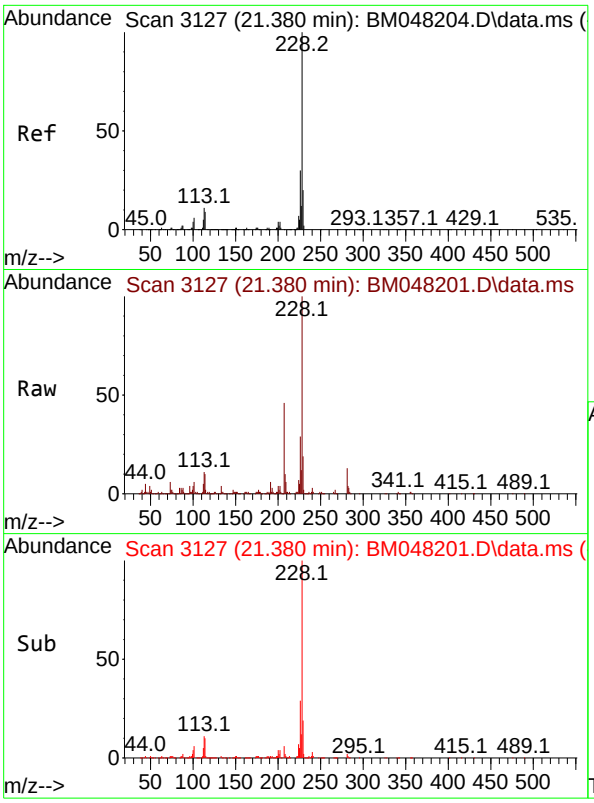


#82
3,3'-Dichlorobenzidine
Concen: 4.930 ng
RT: 21.251 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:252 Resp: 84774

Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.8	77.8
126	11.0	8.8	13.2

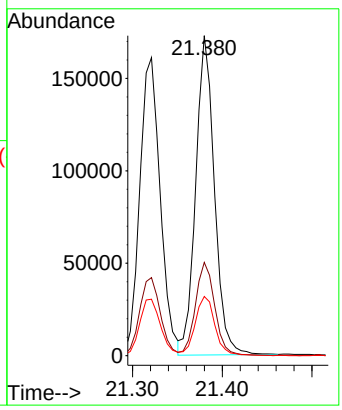




#83
Chrysene
Concen: 5.188 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:228 Resp: 24997

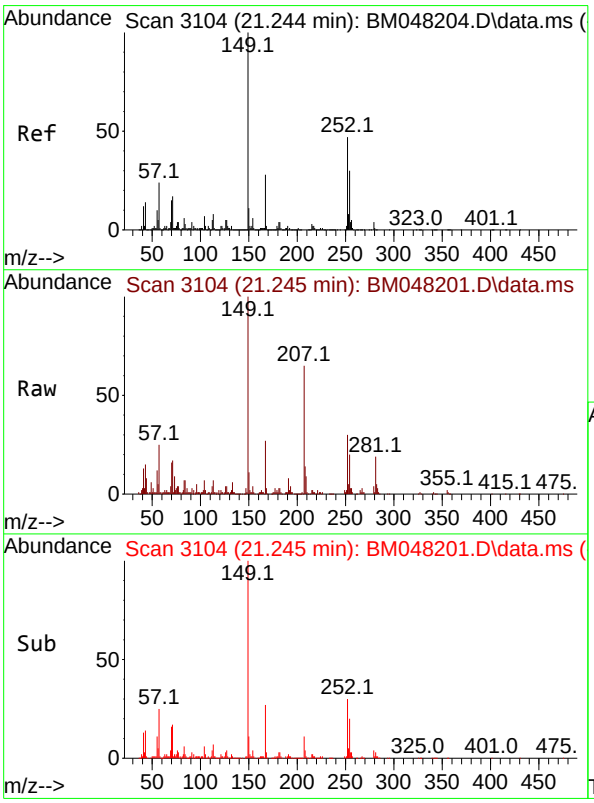
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	18.5	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

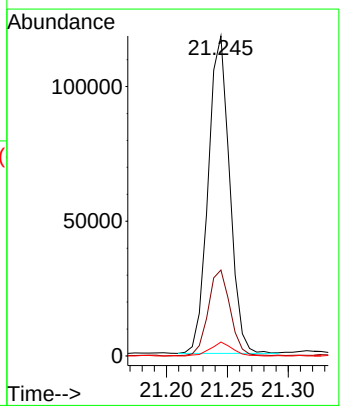
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

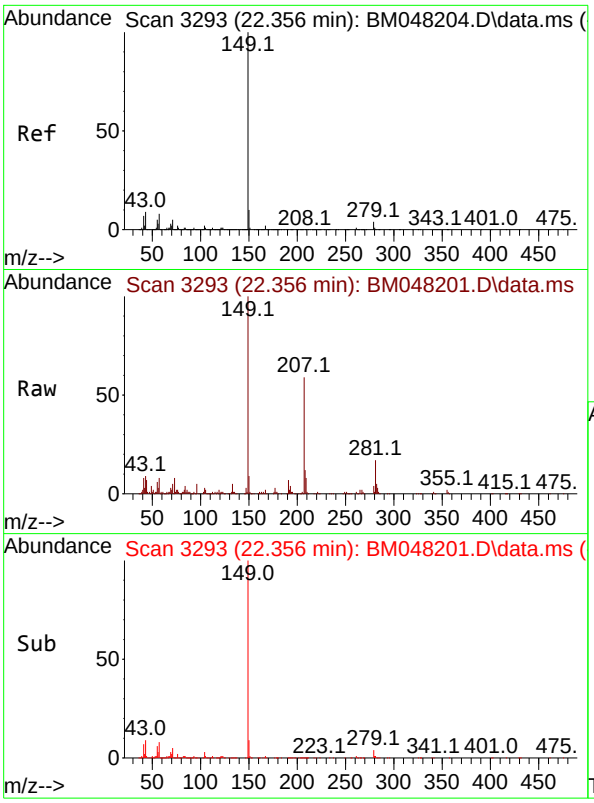


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.518 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:149 Resp: 144401

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.5	33.7
279	4.4	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 4.280 ng
RT: 22.356 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

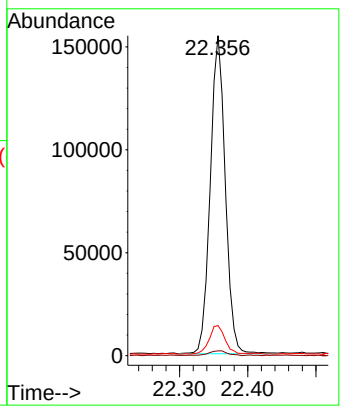
Tgt Ion:149 Resp: 23687

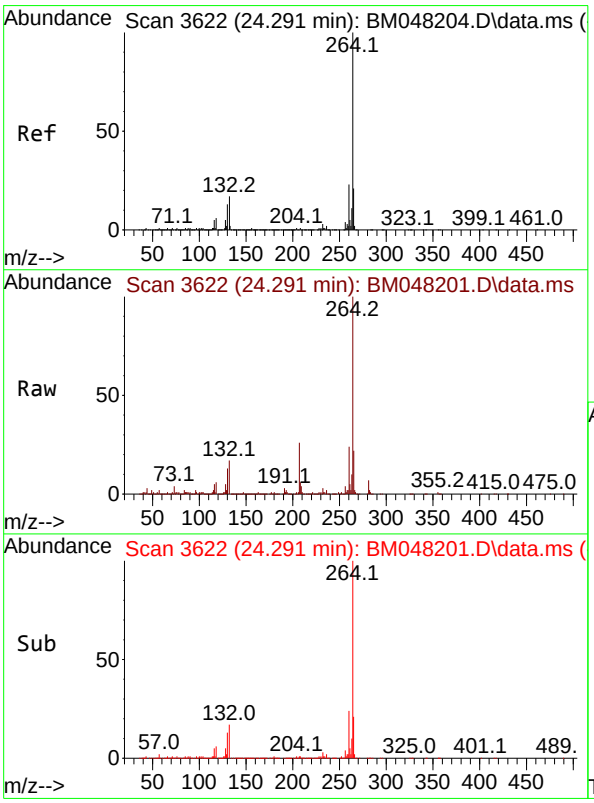
Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.2	1.8
43	9.5	7.3	10.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

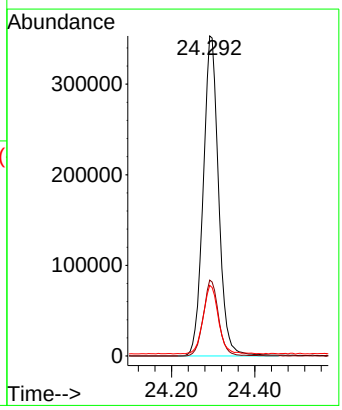


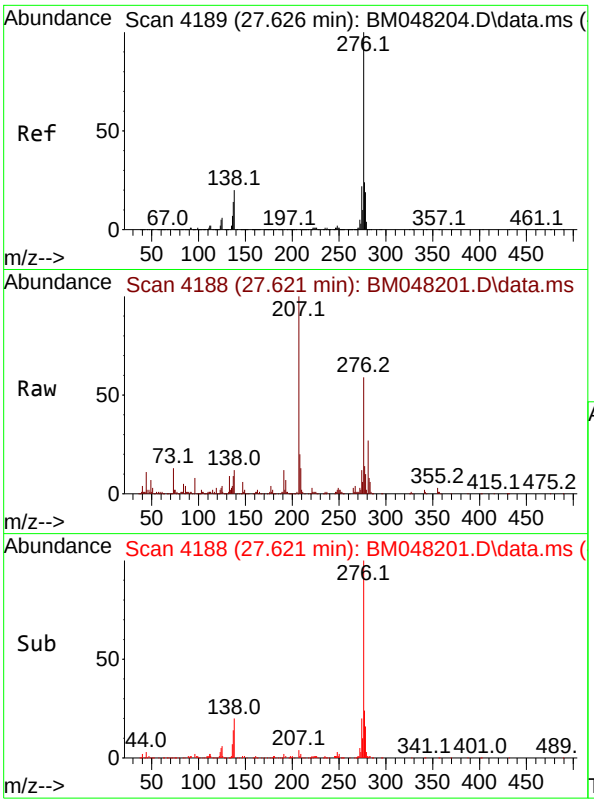


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:264 Resp: 908010

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.0	17.4	26.2

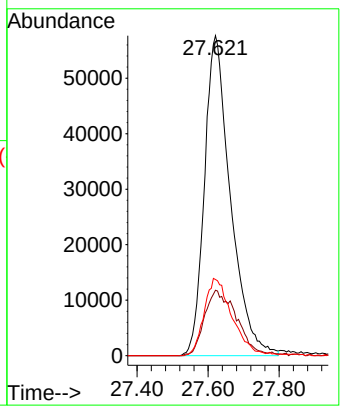




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.889 ng
RT: 27.621 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:276 Resp: 29356

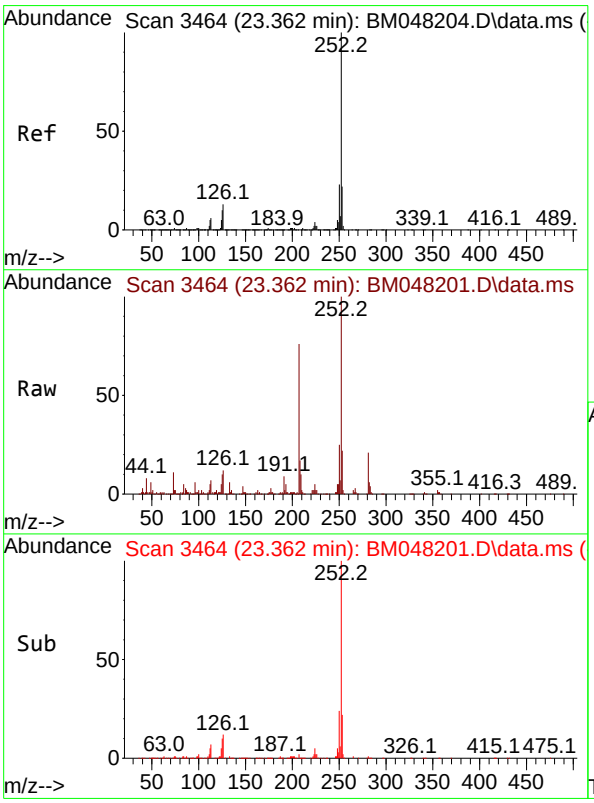
Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.8	29.6
277	25.7	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

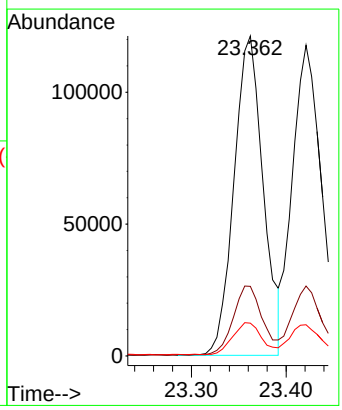
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

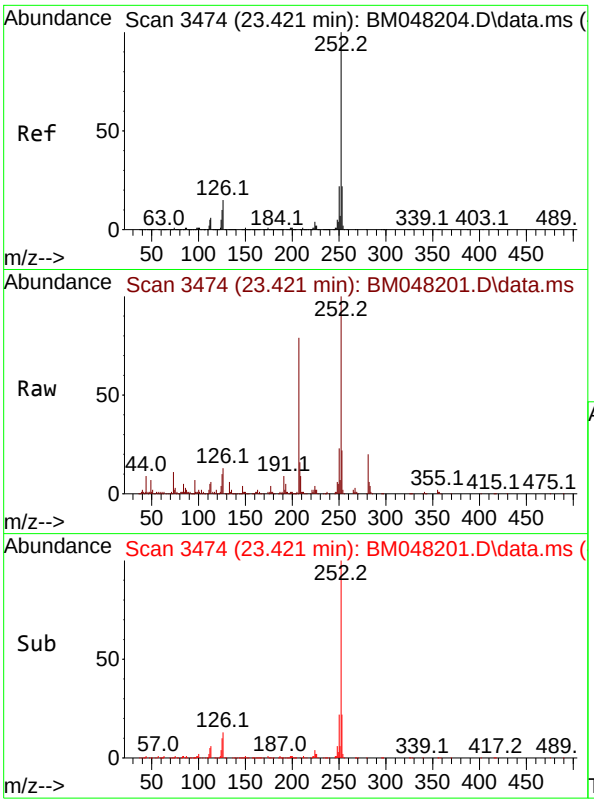


#88
Benzo(b)fluoranthene
Concen: 4.981 ng
RT: 23.362 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:252 Resp: 259343

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.2	7.9	11.9

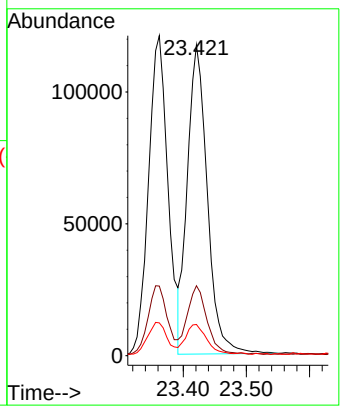




#89
Benzo(k)fluoranthene
Concen: 5.114 ng
RT: 23.421 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:252 Resp: 25743

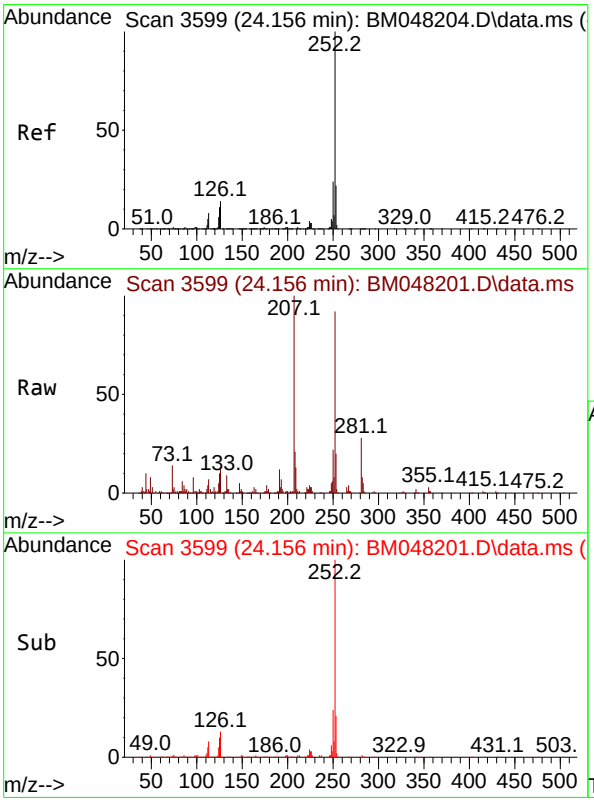
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.0	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

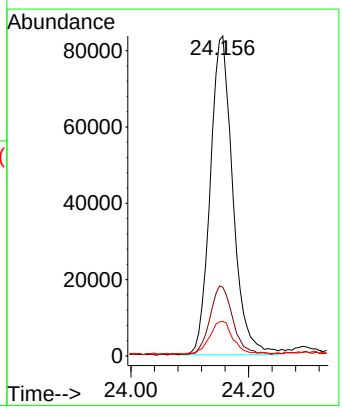
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

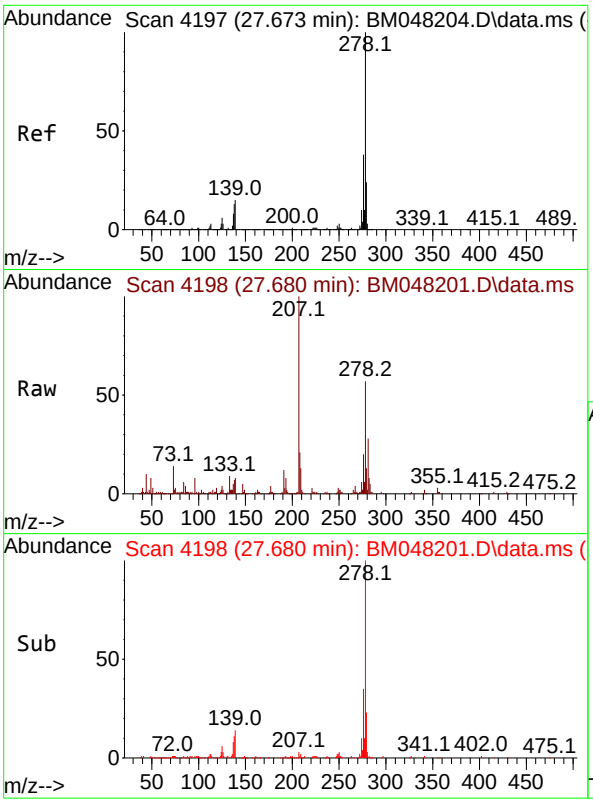


#90
Benzo(a)pyrene
Concen: 4.929 ng
RT: 24.156 min Scan# 3599
Delta R.T. 0.000 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:252 Resp: 223092

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	10.8	8.8	13.2

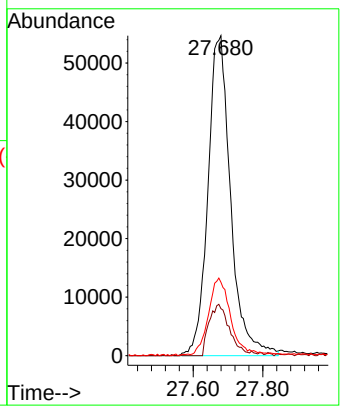




#91
Dibenzo(a,h)anthracene
Concen: 4.960 ng
RT: 27.680 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:278 Resp: 24800

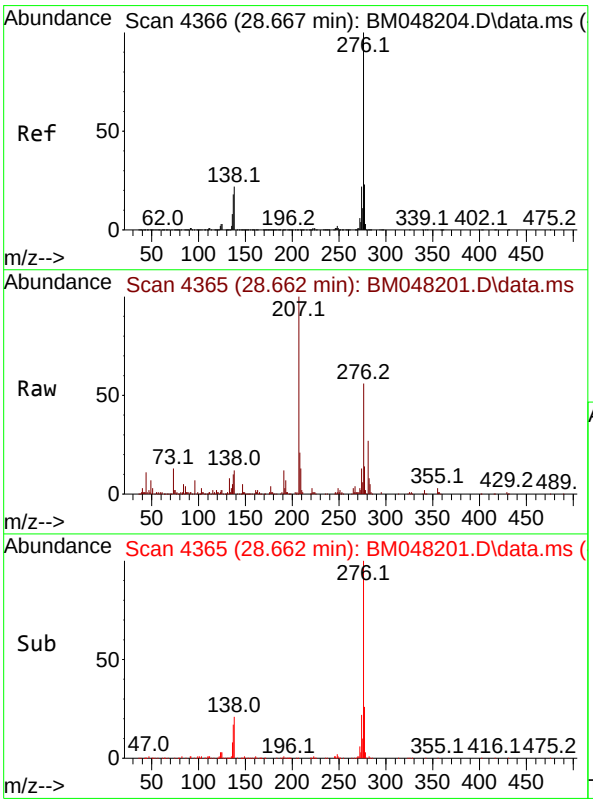
Ion	Ratio	Lower	Upper
278	100		
139	14.7	12.2	18.4
279	22.9	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

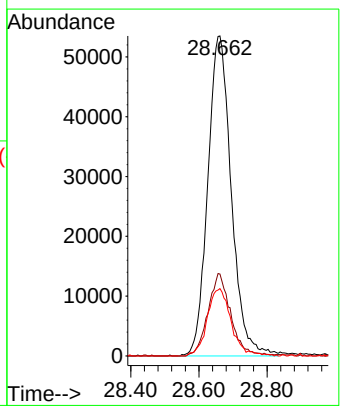
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 5.015 ng
RT: 28.662 min Scan# 4365
Delta R.T. -0.006 min
Lab File: BM048201.D
Acq: 23 Oct 2024 13:05

Tgt Ion:276 Resp: 256774

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	21.1	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048202.D
Acq On : 23 Oct 2024 13:45
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 17:58:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	164214	20.000	ng		0.00
21) Naphthalene-d8	10.516	136	675806	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	430191	20.000	ng		0.00
64) Phenanthrene-d10	17.110	188	872805	20.000	ng		0.00
76) Chrysene-d12	21.339	240	829636	20.000	ng		0.00
86) Perylene-d12	24.291	264	941862	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.310	112	194083	19.867	ng		0.00
7) Phenol-d6	6.904	99	253727	19.943	ng		0.00
23) Nitrobenzene-d5	8.881	82	235450	19.672	ng		0.00
42) 2,4,6-Tribromophenol	15.857	330	105824	20.097	ng		0.00
45) 2-Fluorobiphenyl	12.986	172	584048	20.833	ng		0.00
79) Terphenyl-d14	19.733	244	832028	20.466	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	43417	10.857	ng		99
3) Pyridine	3.616	79	108898	10.268	ng		98
4) n-Nitrosodimethylamine	3.516	42	45055	9.989	ng	#	95
6) Aniline	7.051	93	112524	10.655	ng		98
8) 2-Chlorophenol	7.293	128	105247	9.916	ng		99
9) Benzaldehyde	6.869	77	71283m	11.385	ng		
10) Phenol	6.934	94	126306	9.868	ng		97
11) bis(2-Chloroethyl)ether	7.151	93	104704	10.270	ng		96
12) 1,3-Dichlorobenzene	7.610	146	125778	10.279	ng		100
13) 1,4-Dichlorobenzene	7.757	146	128985	10.376	ng		98
14) 1,2-Dichlorobenzene	8.075	146	125469	10.444	ng		98
15) Benzyl Alcohol	7.969	79	77448	9.542	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.257	45	153954	10.324	ng		99
17) 2-Methylphenol	8.181	107	84745	9.963	ng		98
18) Hexachloroethane	8.798	117	46396	10.183	ng		97
19) n-Nitroso-di-n-propyla...	8.528	70	81492	10.125	ng		98
20) 3+4-Methylphenols	8.510	107	112836	9.576	ng		97
22) Acetophenone	8.545	105	165016	10.005	ng	#	97
24) Nitrobenzene	8.922	77	122626	9.888	ng		97
25) Isophorone	9.451	82	215452	9.820	ng		99
26) 2-Nitrophenol	9.634	139	50967	8.901	ng		94
27) 2,4-Dimethylphenol	9.704	122	65810	9.473	ng		96
28) bis(2-Chloroethoxy)met...	9.934	93	136287	9.817	ng		100
29) 2,4-Dichlorophenol	10.175	162	94106	9.417	ng		95
30) 1,2,4-Trichlorobenzene	10.381	180	113193	9.890	ng		97
31) Naphthalene	10.563	128	354273	10.051	ng		99
32) Benzoic acid	9.810	122	64616m	8.320	ng		
33) 4-Chloroaniline	10.686	127	111559	9.759	ng		99
34) Hexachlorobutadiene	10.851	225	71791	10.120	ng		99
35) Caprolactam	11.469	113	29958m	9.243	ng		
36) 4-Chloro-3-methylphenol	11.822	107	99967	9.582	ng		99
37) 2-Methylnaphthalene	12.180	142	234601	9.962	ng		99
38) 1-Methylnaphthalene	12.404	142	233676	10.007	ng		100
40) 1,2,4,5-Tetrachloroben...	12.557	216	123639	10.055	ng		99
41) Hexachlorocyclopentadiene	12.533	237	40205	9.663	ng		97
43) 2,4,6-Trichlorophenol	12.804	196	79475	9.740	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048202.D
Acq On : 23 Oct 2024 13:45
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 17:58:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	87457	9.611	ng		98
46) 1,1'-Biphenyl	13.198	154	313591	10.210	ng		99
47) 2-Chloronaphthalene	13.239	162	244337	10.089	ng		98
48) 2-Nitroaniline	13.451	65	59910	9.121	ng		97
49) Acenaphthylene	14.092	152	351454	9.947	ng		99
50) Dimethylphthalate	13.827	163	297690	10.137	ng		99
51) 2,6-Dinitrotoluene	13.945	165	62280	9.504	ng		91
52) Acenaphthene	14.433	154	228492	10.178	ng		98
53) 3-Nitroaniline	14.280	138	56940	9.214	ng	#	94
54) 2,4-Dinitrophenol	14.492	184	29288	7.649	ng		99
55) Dibenzofuran	14.769	168	367889	10.315	ng		99
56) 4-Nitrophenol	14.610	139	43683	7.920	ng		95
57) 2,4-Dinitrotoluene	14.739	165	79851	9.228	ng		94
58) Fluorene	15.416	166	292703	10.378	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	75952	10.070	ng		99
60) Diethylphthalate	15.192	149	298826	10.050	ng		99
61) 4-Chlorophenyl-phenyle...	15.416	204	147671	10.472	ng		97
62) 4-Nitroaniline	15.445	138	53233	8.324	ng		95
63) Azobenzene	15.704	77	266197	9.989	ng		99
65) 4,6-Dinitro-2-methylph...	15.504	198	42770	8.446	ng		88
66) n-Nitrosodiphenylamine	15.627	169	242589	10.125	ng		99
67) 4-Bromophenyl-phenylether	16.304	248	89539	10.118	ng		96
68) Hexachlorobenzene	16.421	284	108457	10.205	ng		99
69) Atrazine	16.580	200	74922	11.175	ng		98
70) Pentachlorophenol	16.768	266	65591	9.400	ng		99
71) Phenanthrene	17.151	178	441552	10.217	ng		100
72) Anthracene	17.245	178	415460	9.930	ng		100
73) Carbazole	17.521	167	402900	9.824	ng		99
74) Di-n-butylphthalate	18.080	149	486204	9.524	ng		99
75) Fluoranthene	19.168	202	517157	10.031	ng		100
77) Benzidine	19.368	184	111510	11.646	ng		99
78) Pyrene	19.533	202	544382	9.803	ng		99
80) Butylbenzylphthalate	20.427	149	208443	8.977	ng		94
81) Benzo(a)anthracene	21.321	228	521872	9.844	ng		99
82) 3,3'-Dichlorobenzidine	21.245	252	180293	9.928	ng		99
83) Chrysene	21.380	228	507606	9.975	ng		98
84) Bis(2-ethylhexyl)phtha...	21.245	149	314375	9.315	ng		99
85) Di-n-octyl phthalate	22.356	149	506153	8.659	ng		99
87) Indeno(1,2,3-cd)pyrene	27.615	276	606458	9.737	ng		100
88) Benzo(b)fluoranthene	23.356	252	523956	9.702	ng		99
89) Benzo(k)fluoranthene	23.421	252	539599	10.335	ng		99
90) Benzo(a)pyrene	24.150	252	454217	9.675	ng		99
91) Dibenzo(a,h)anthracene	27.668	278	505969	9.755	ng		99
92) Benzo(g,h,i)perylene	28.650	276	517660	9.747	ng		98

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

ICAL Form

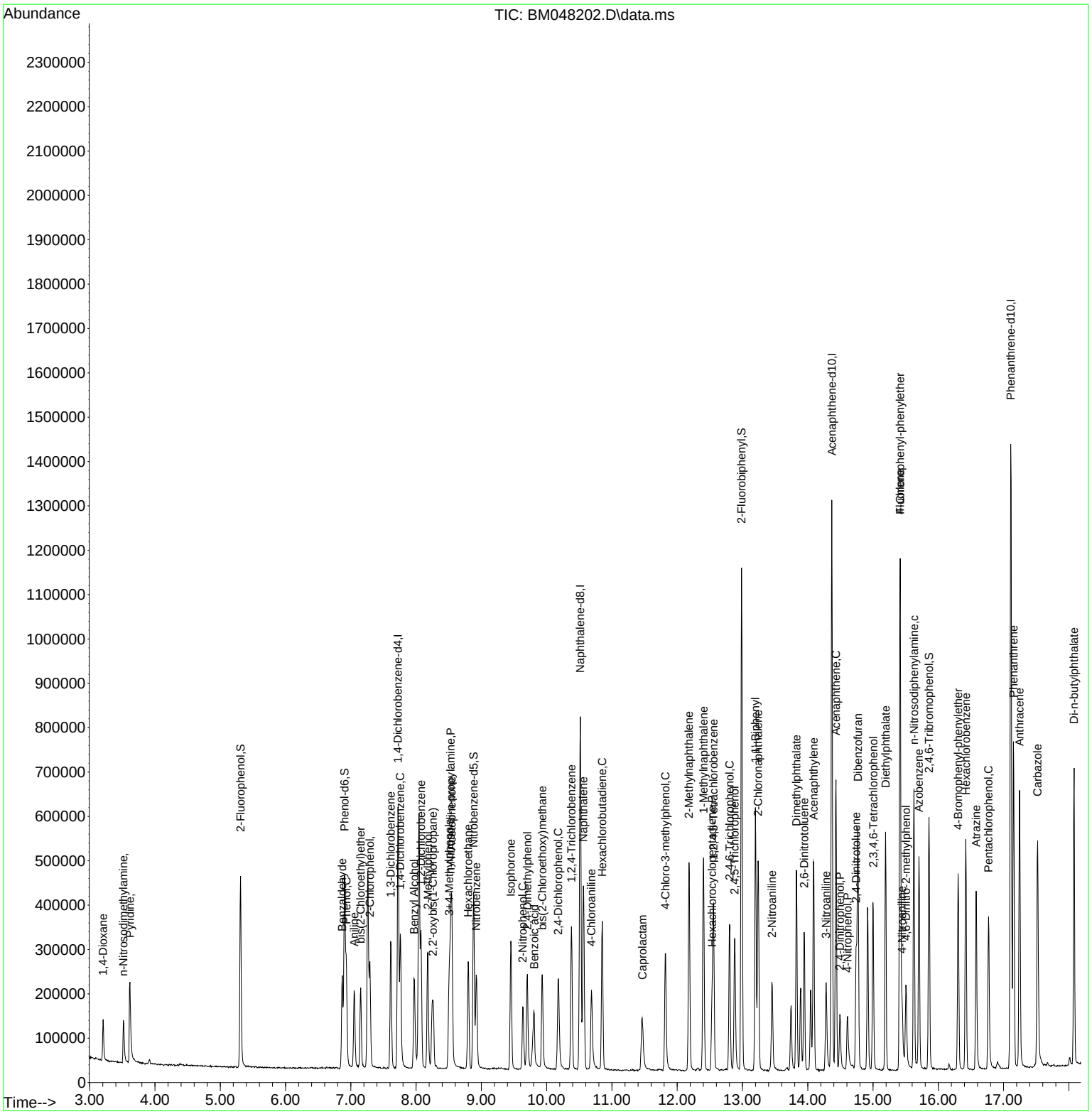
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048202.D
Acq On : 23 Oct 2024 13:45
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 17:58:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

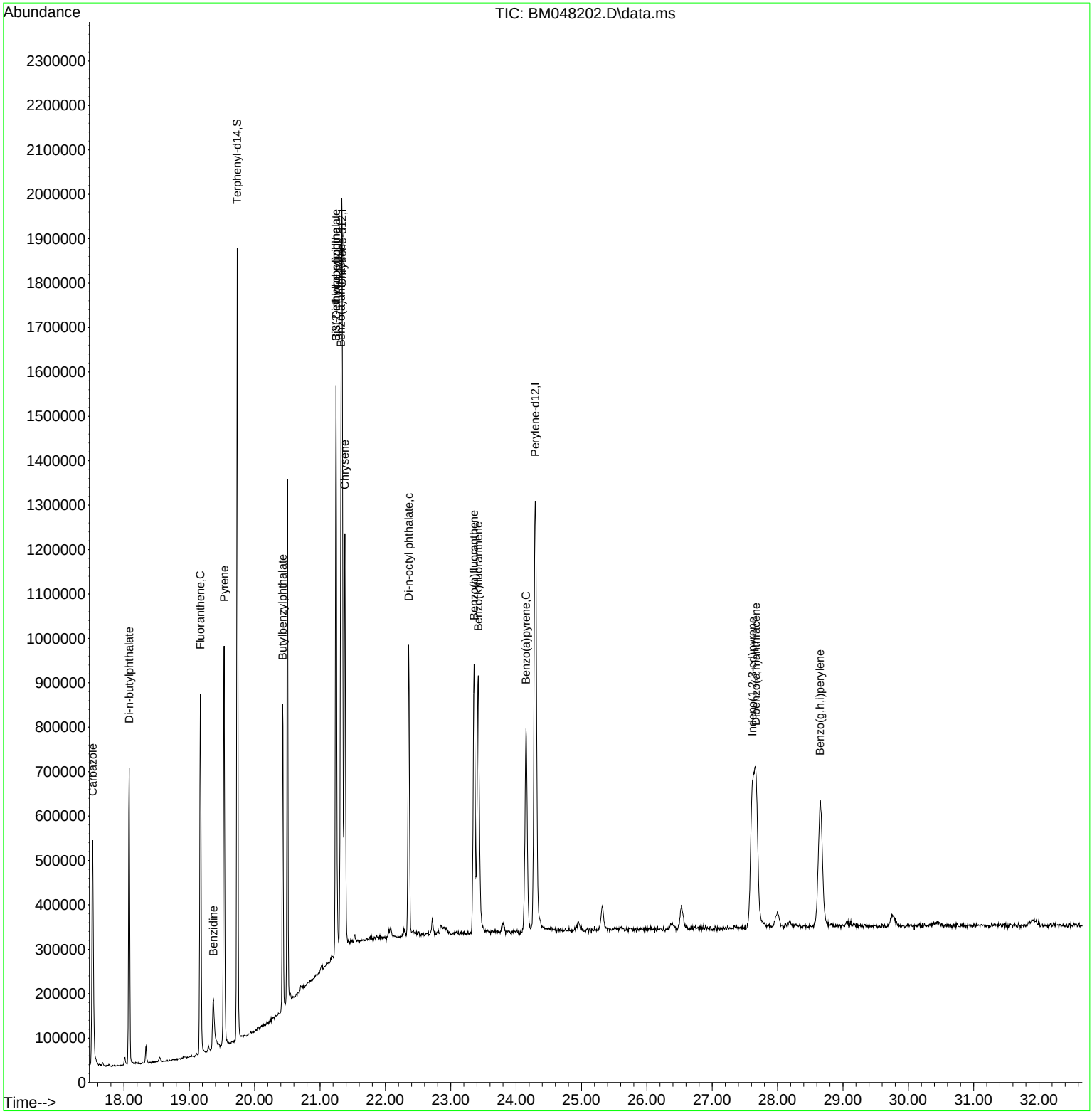
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048202.D
Acq On : 23 Oct 2024 13:45
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

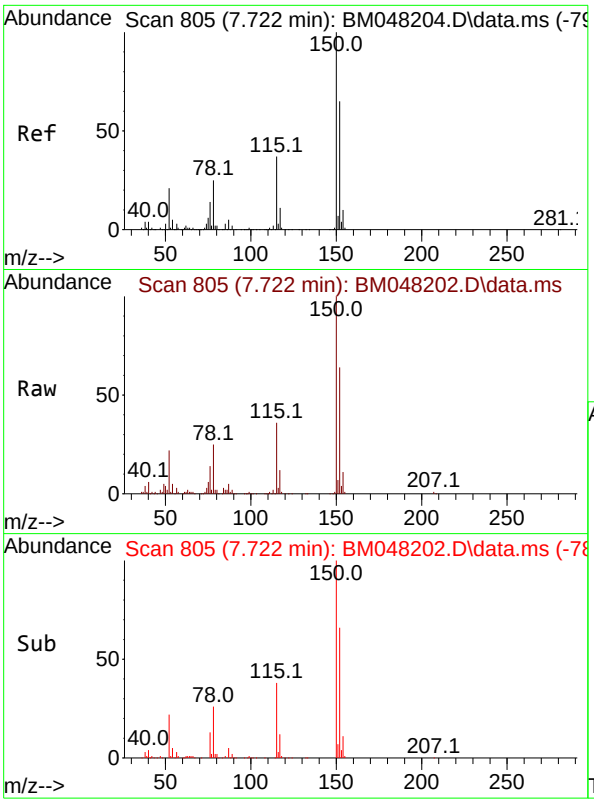
Quant Time: Oct 23 17:58:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

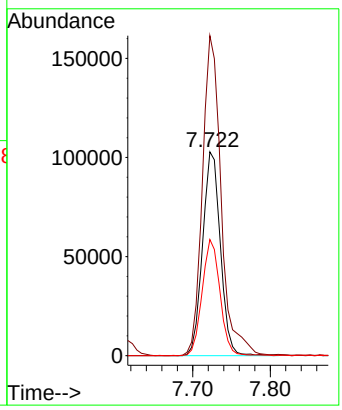




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:152 Resp: 16421

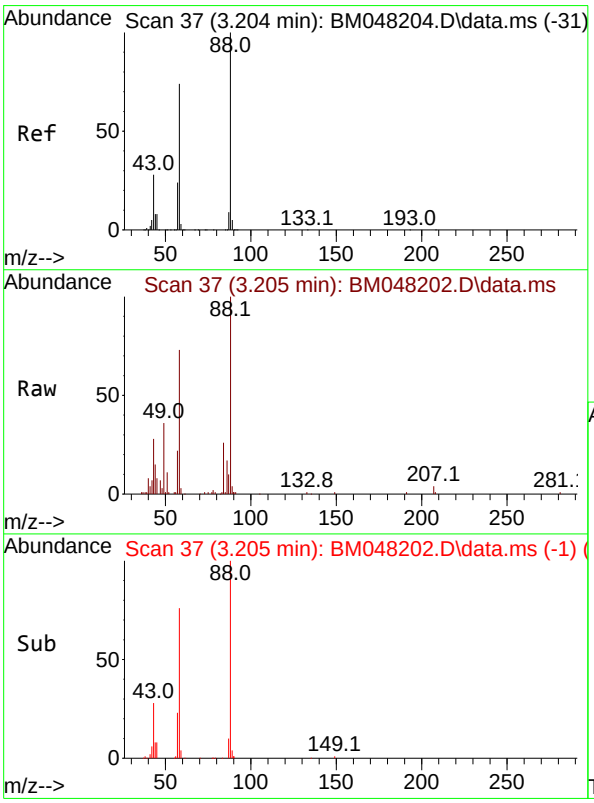
Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.0	184.6
115	57.0	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

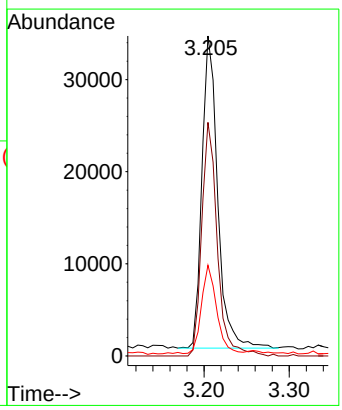
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

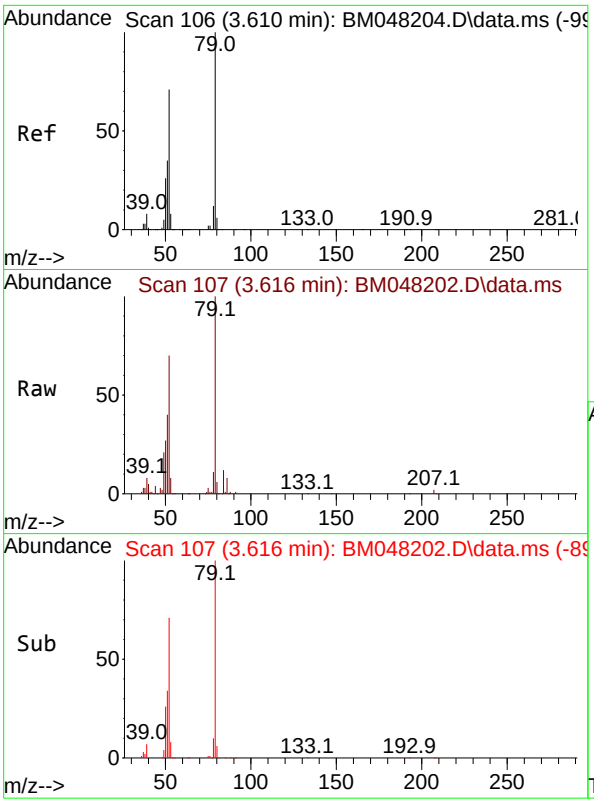


#2
1,4-Dioxane
Concen: 10.857 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 88 Resp: 43417

Ion	Ratio	Lower	Upper
88	100		
58	73.8	59.7	89.5
43	27.7	22.6	33.8

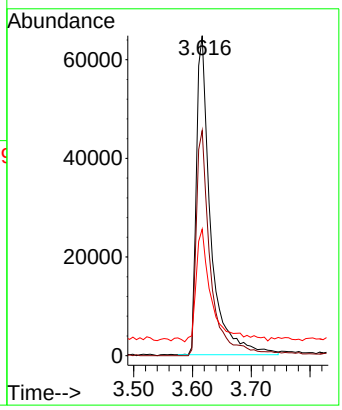




#3
Pyridine
Concen: 10.268 ng
RT: 3.616 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 79 Resp: 10889

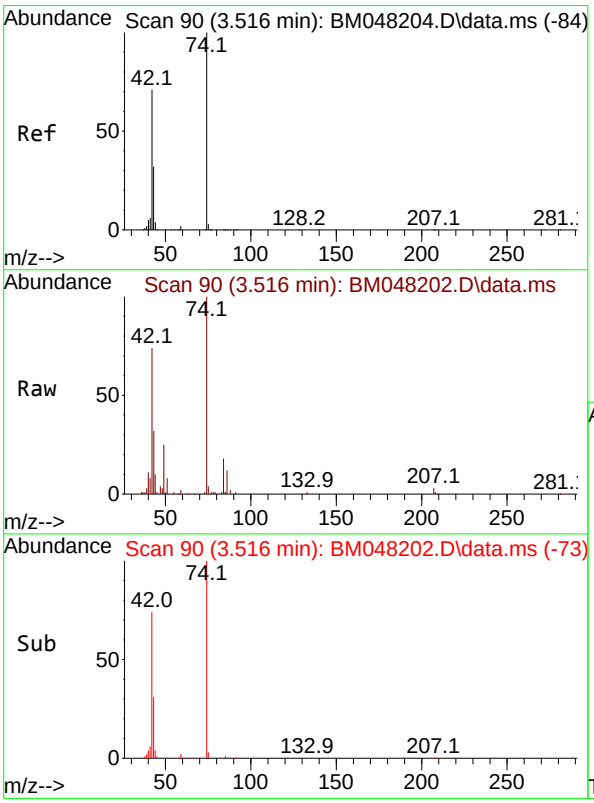
Ion	Ratio	Lower	Upper
79	100		
52	70.4	56.5	84.7
51	39.6	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

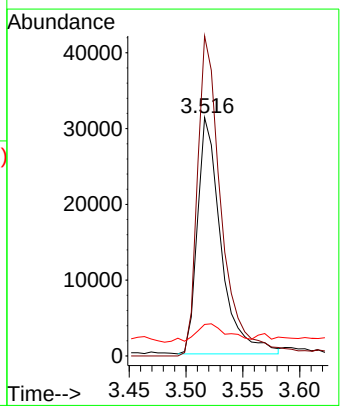
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

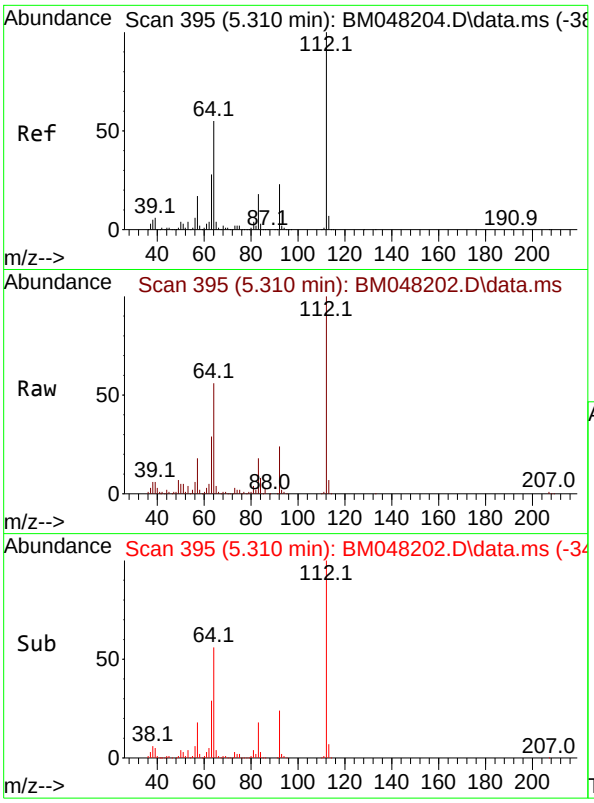


#4
n-Nitrosodimethylamine
Concen: 9.989 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 42 Resp: 45055

Ion	Ratio	Lower	Upper
42	100		
74	134.2	111.8	167.6
44	13.3	6.0	9.0#

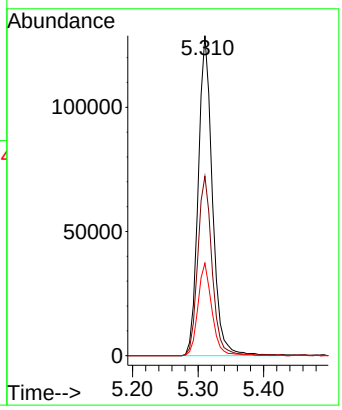




#5
2-Fluorophenol
Concen: 19.867 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:112 Resp: 19408

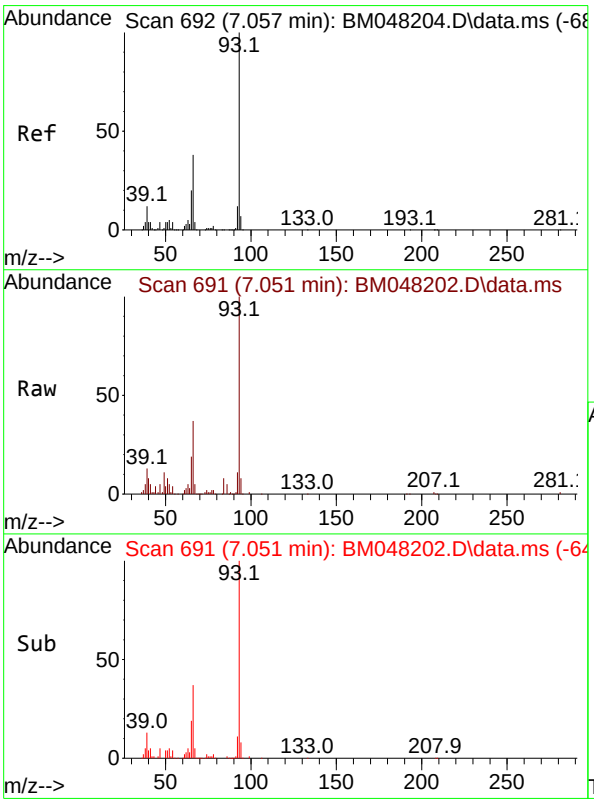
Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.2	66.2
63	28.9	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

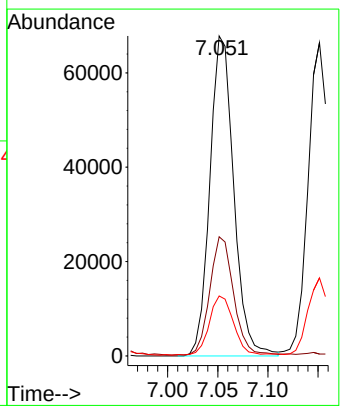
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

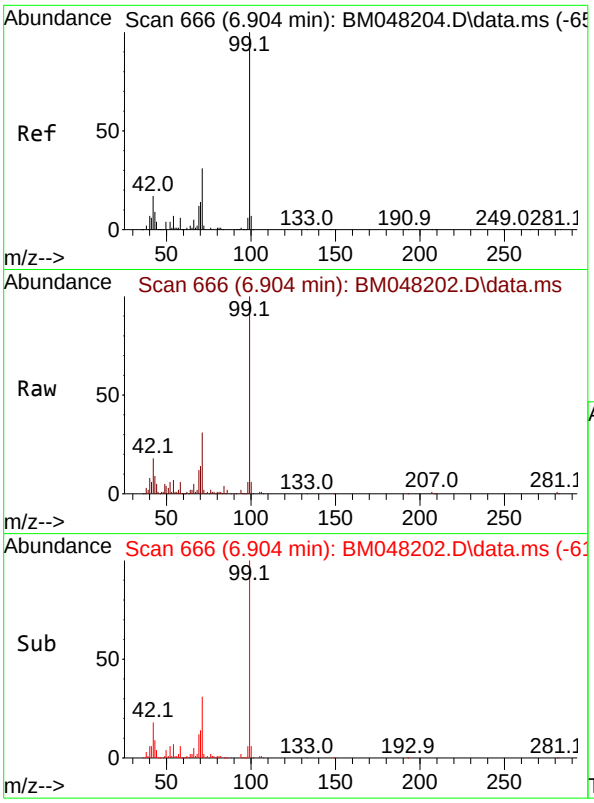


#6
Aniline
Concen: 10.655 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 93 Resp: 112524

Ion	Ratio	Lower	Upper
93	100		
66	37.2	30.2	45.2
65	18.8	16.2	24.2

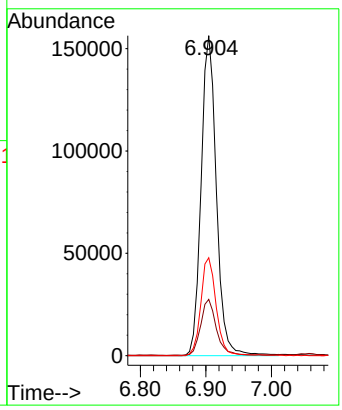




#7
Phenol-d6
Concen: 19.943 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 99 Resp: 25372

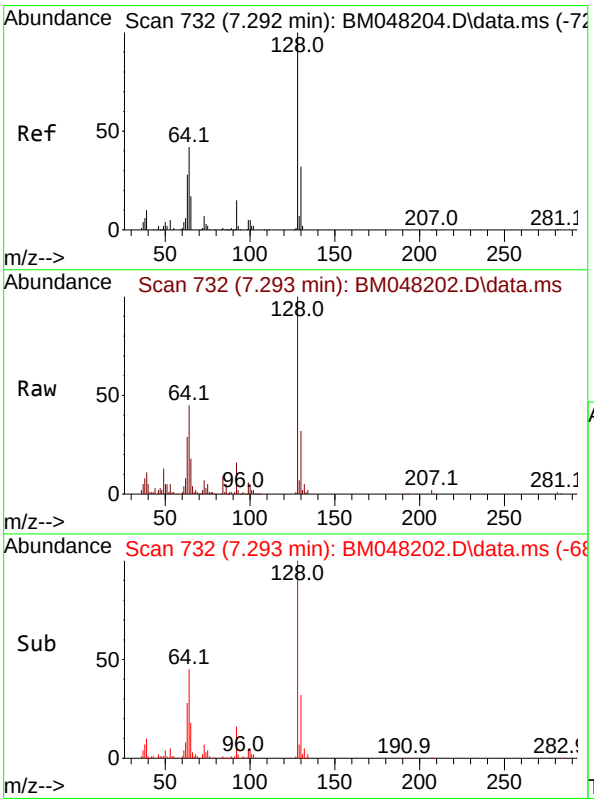
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.8	20.8
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

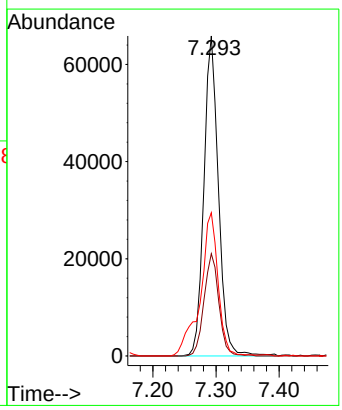
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

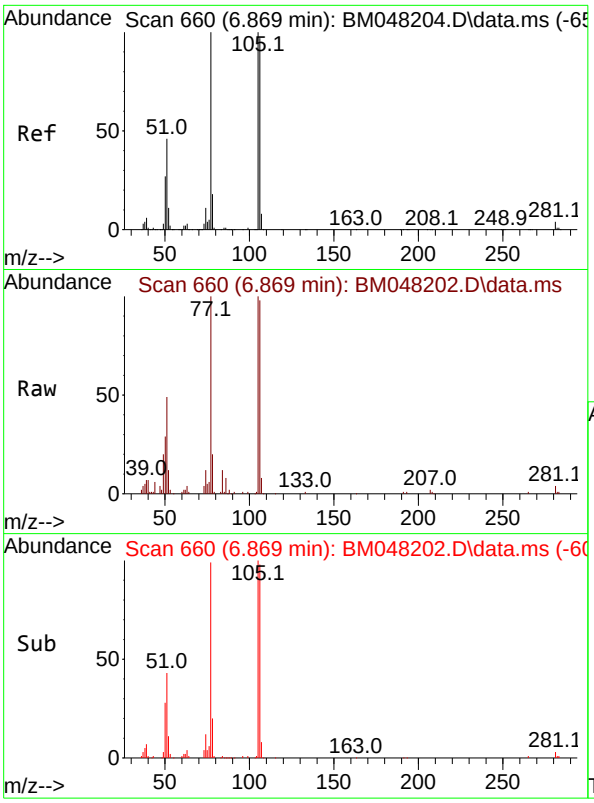


#8
2-Chlorophenol
Concen: 9.916 ng
RT: 7.293 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:128 Resp: 105247

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.1	52.1
64	44.7	23.8	63.8

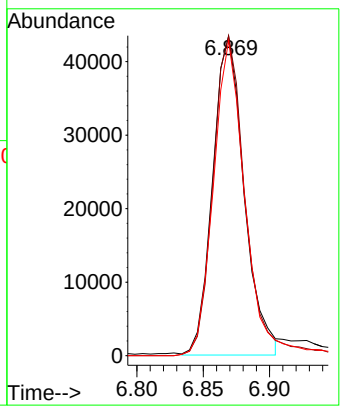




#9
Benzaldehyde
Concen: 11.385 ng m
RT: 6.869 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 77 Resp: 7128

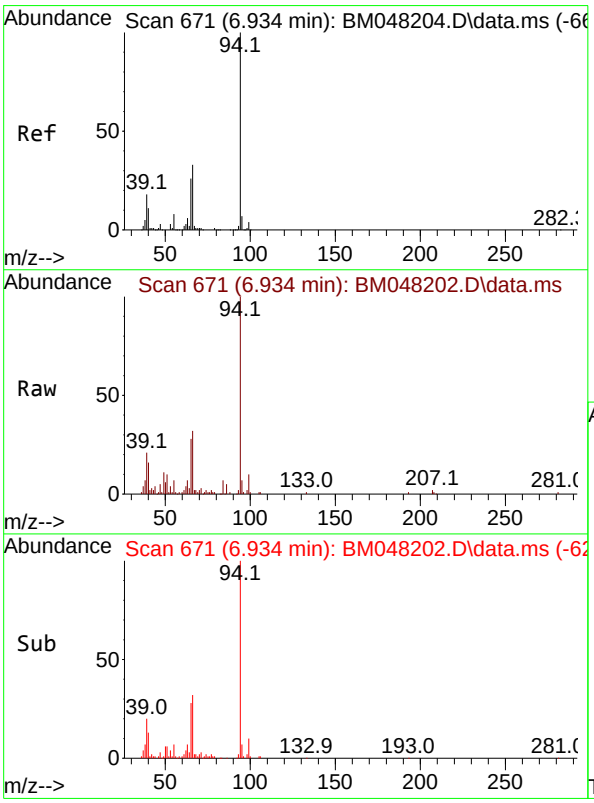
Ion	Ratio	Lower	Upper
77	100		
105	100.2	79.6	119.6
106	98.7	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

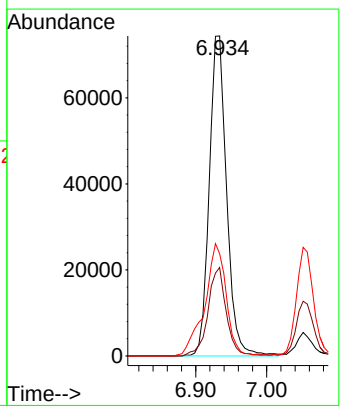
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

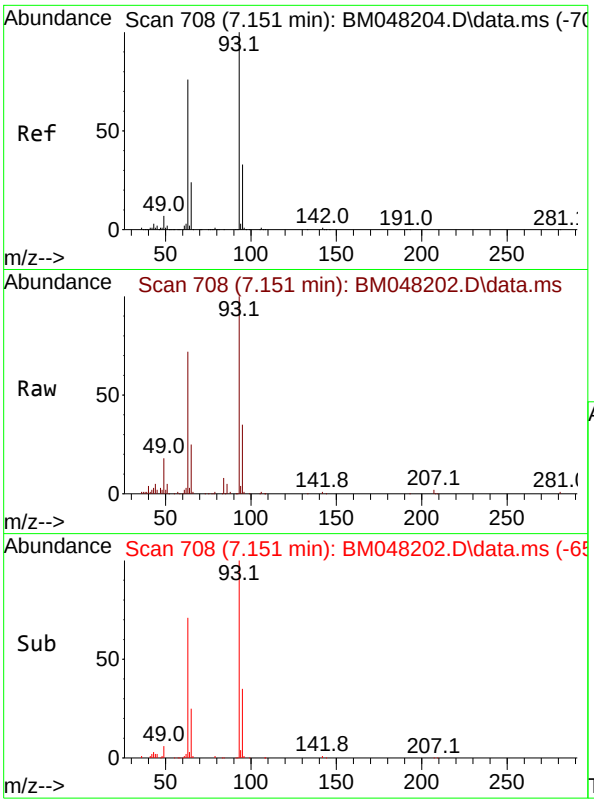


#10
Phenol
Concen: 9.868 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 94 Resp: 126306

Ion	Ratio	Lower	Upper
94	100		
65	27.6	6.5	46.5
66	31.9	13.6	53.6

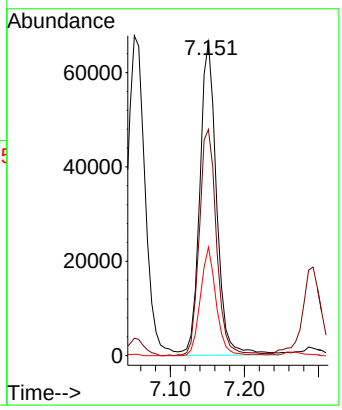




#11
bis(2-Chloroethyl)ether
Concen: 10.270 ng
RT: 7.151 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 93 Resp: 10470

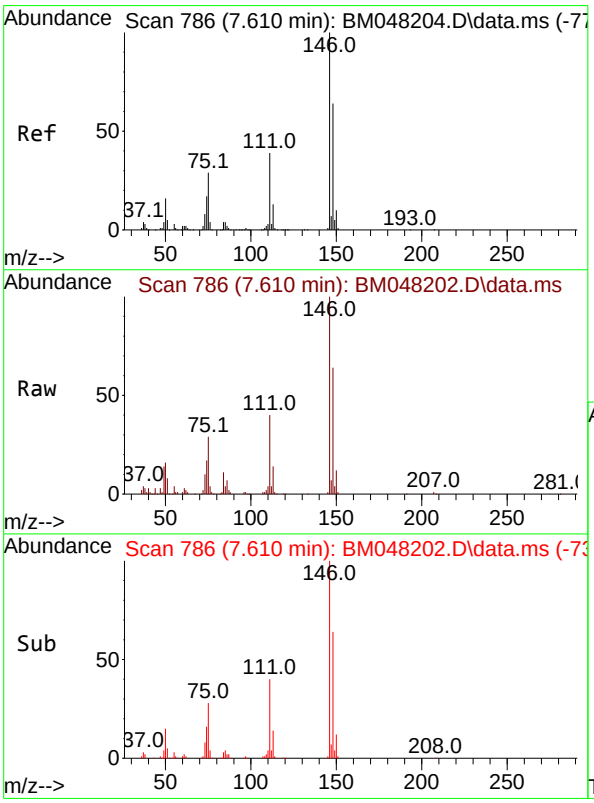
Ion	Ratio	Lower	Upper
93	100		
63	72.2	55.3	95.3
95	34.6	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

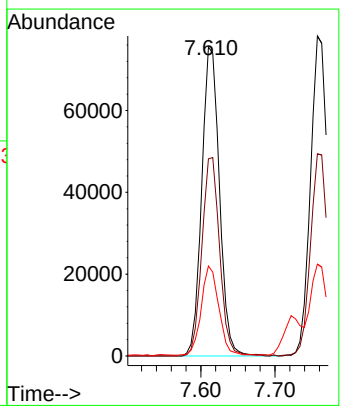
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

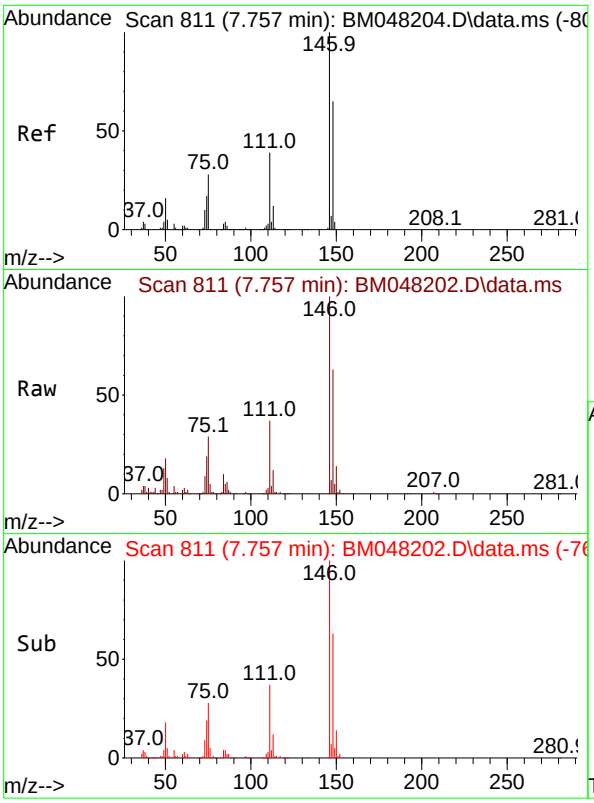


#12
1,3-Dichlorobenzene
Concen: 10.279 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:146 Resp: 125778

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
75	29.1	22.9	34.3

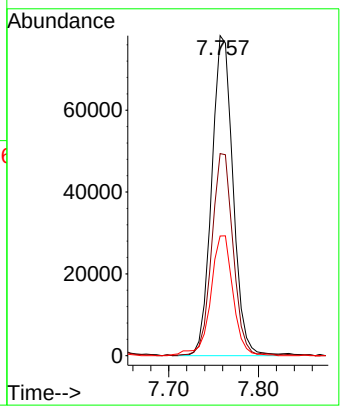




#13
1,4-Dichlorobenzene
Concen: 10.376 ng
RT: 7.757 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:146 Resp: 12898

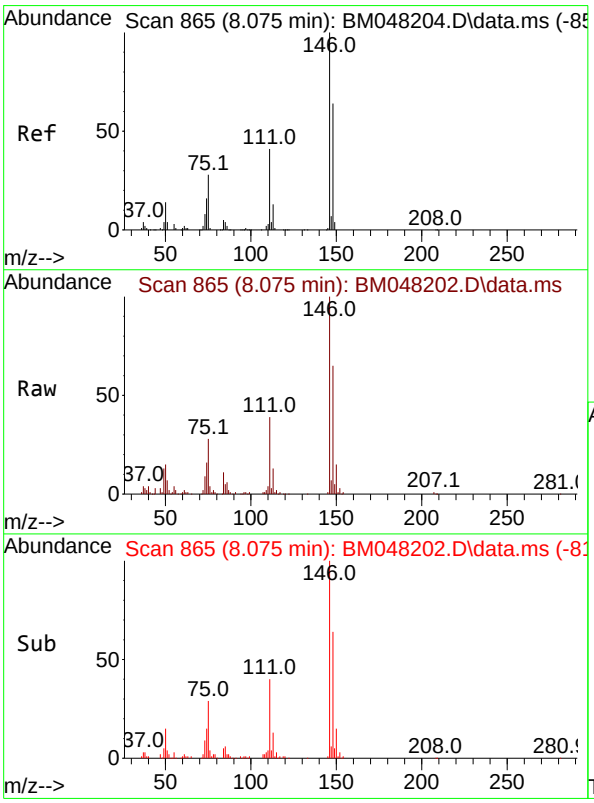
Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.7	77.5
111	37.4	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

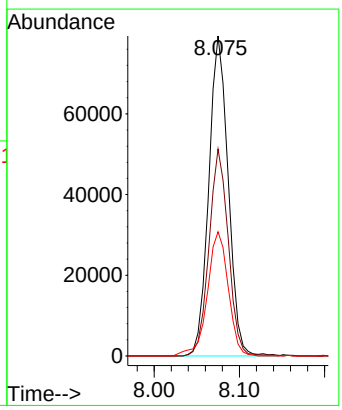
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

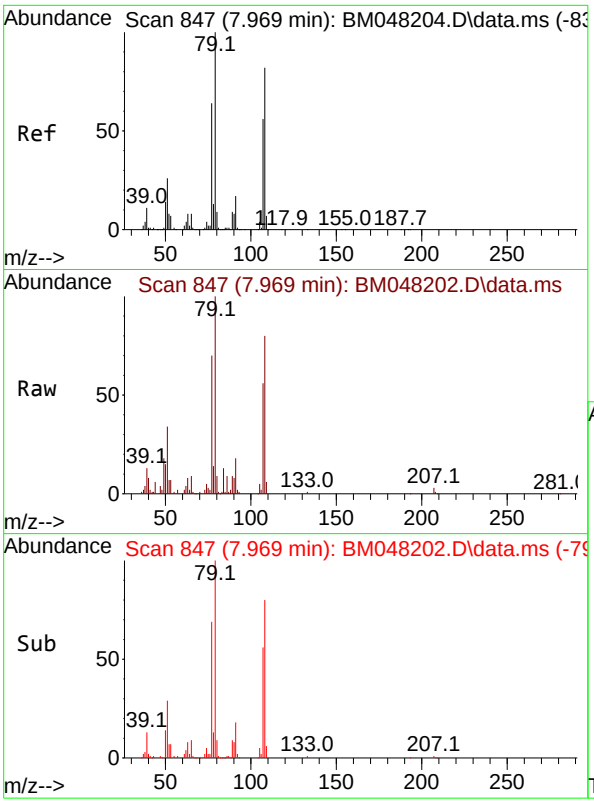


#14
1,2-Dichlorobenzene
Concen: 10.444 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:146 Resp: 125469

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.3	76.9
111	38.8	32.7	49.1





#15
Benzyl Alcohol
Concen: 9.542 ng
RT: 7.969 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

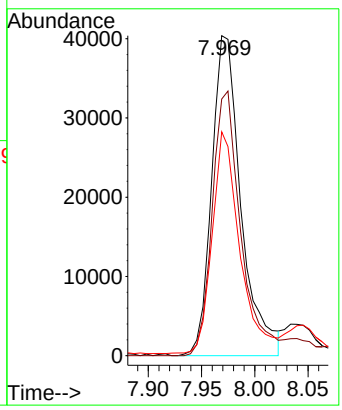
Tgt Ion: 79 Resp: 7744

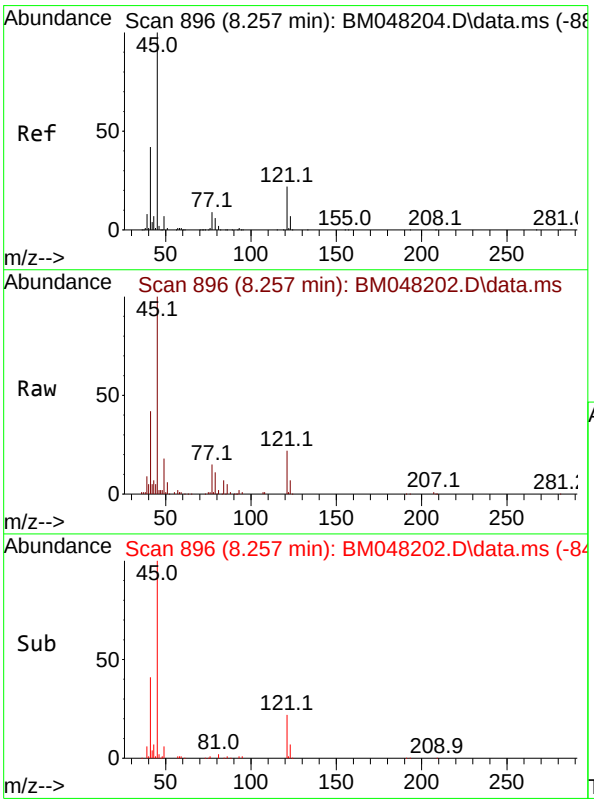
Ion	Ratio	Lower	Upper
79	100		
108	80.2	65.2	97.8
77	70.0	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

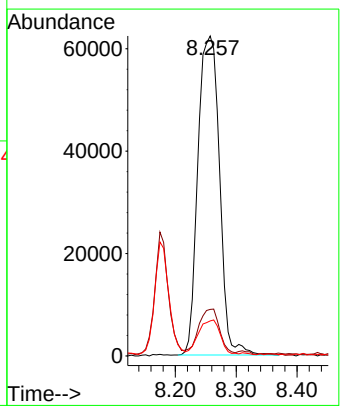


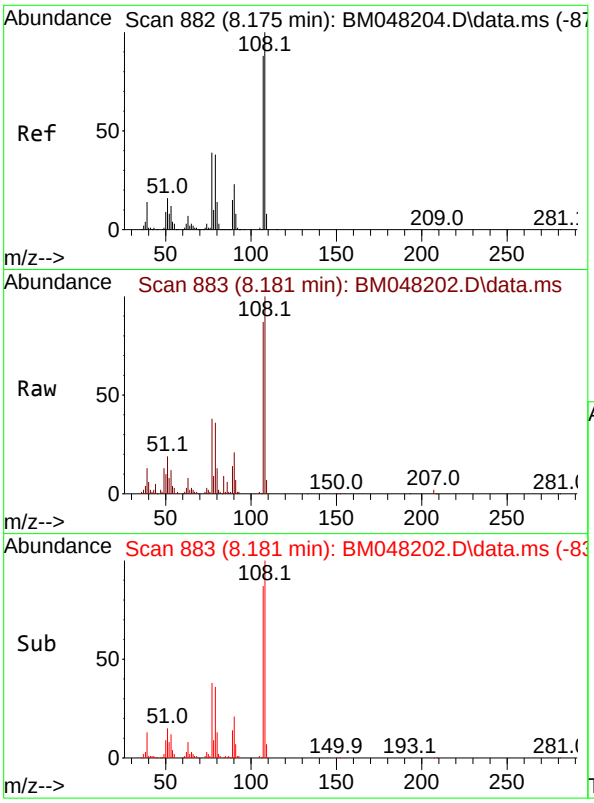


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.324 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 45 Resp: 153954

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.2
79	10.9	0.0	30.7

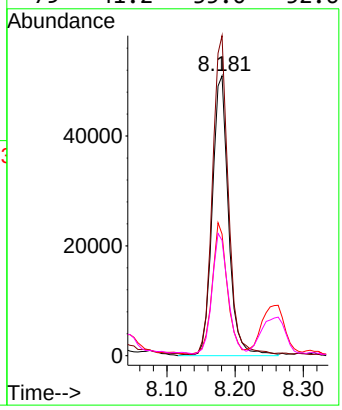




#17
2-Methylphenol
Concen: 9.963 ng
RT: 8.181 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:107 Resp: 8474

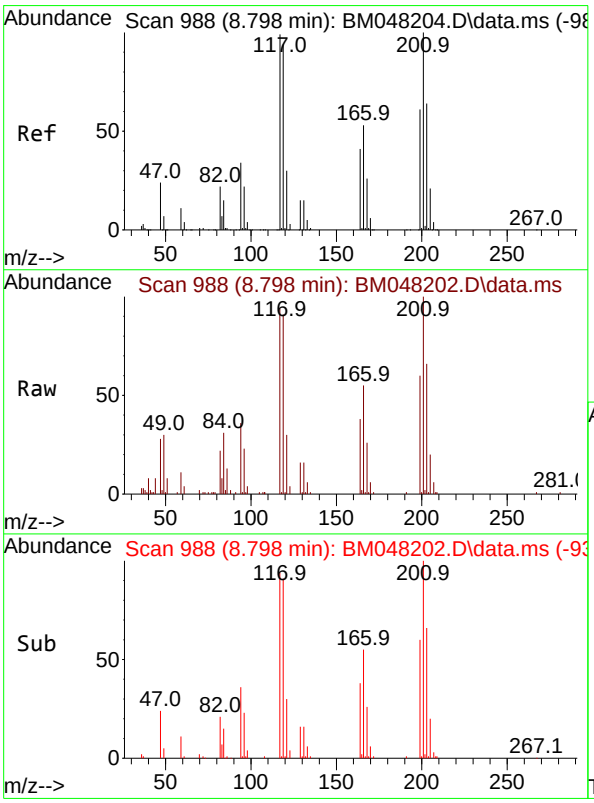
Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.3	136.9
77	43.5	36.2	54.2
79	41.2	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

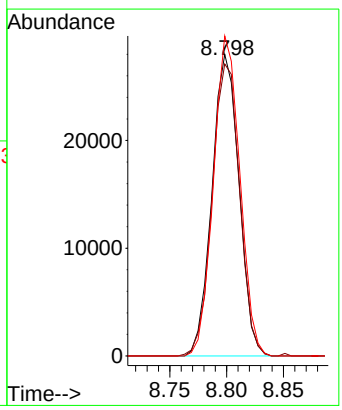
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

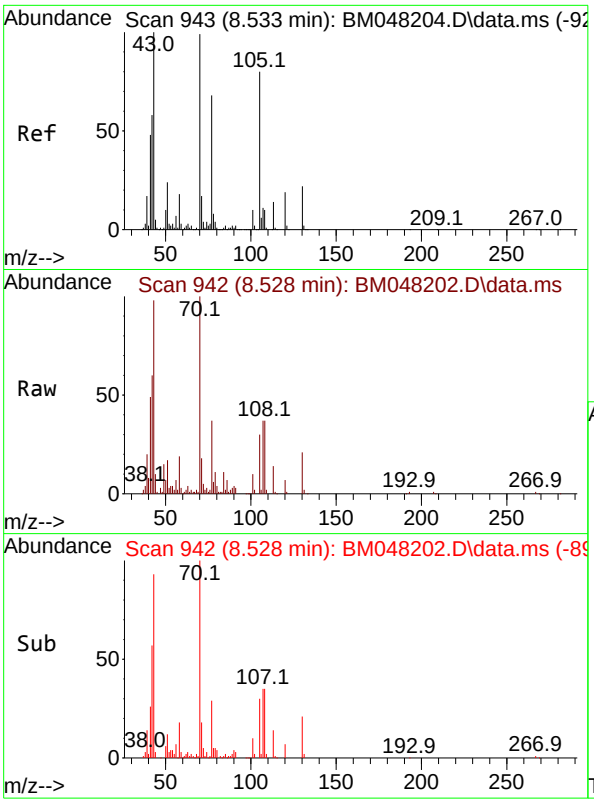


#18
Hexachloroethane
Concen: 10.183 ng
RT: 8.798 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:117 Resp: 46396

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.5	114.7
201	106.1	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 10.125 ng
RT: 8.528 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

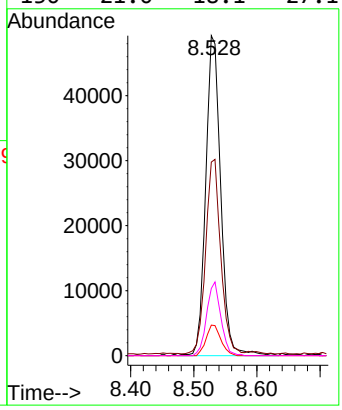
Instrument :
BNA_M
ClientSampleId :
SSTDICC010

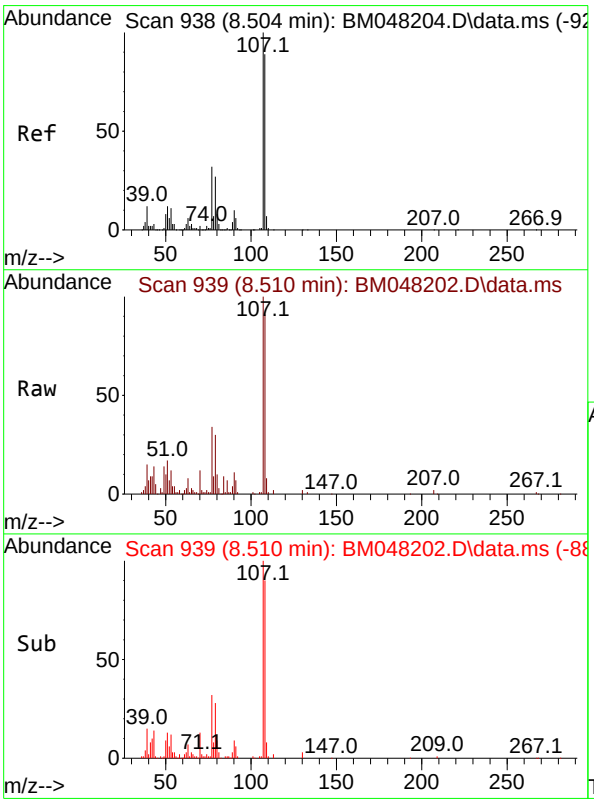
Tgt Ion: 70 Resp: 8149

Ion	Ratio	Lower	Upper
70	100		
42	60.5	47.0	70.6
101	9.5	7.8	11.6
130	21.0	18.1	27.1

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

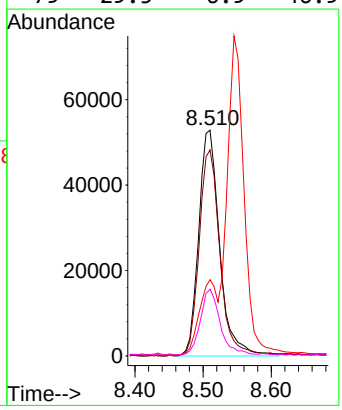


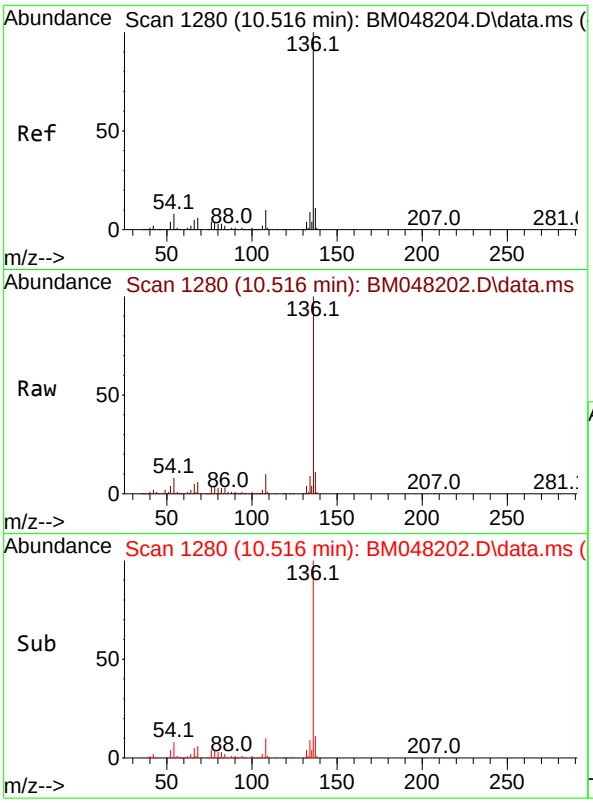


#20
3+4-Methylphenols
Concen: 9.576 ng
RT: 8.510 min Scan# 939
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:107 Resp: 112836

Ion	Ratio	Lower	Upper
107	100		
108	91.2	69.0	109.0
77	33.8	12.3	52.3
79	29.5	6.9	46.9

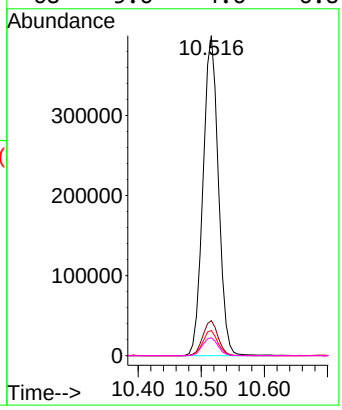




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:136 Resp: 67580

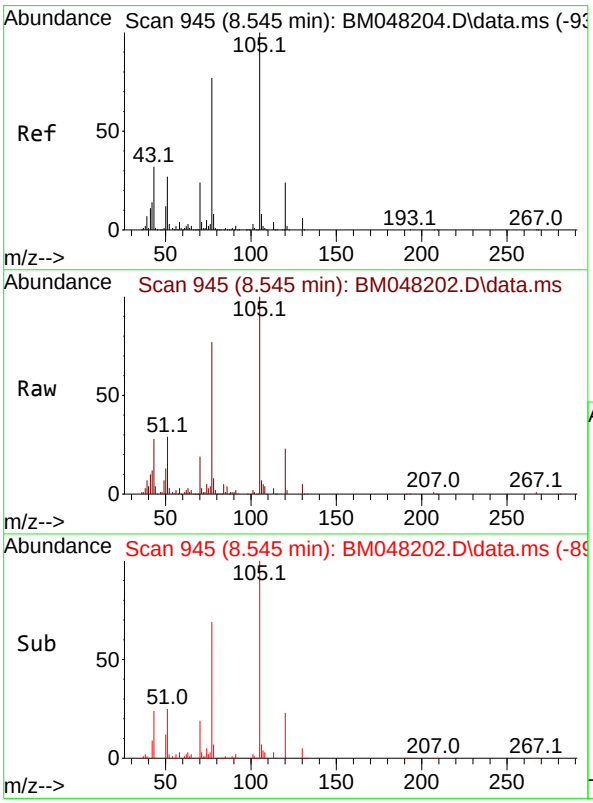
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.9	6.5	9.7
68	5.6	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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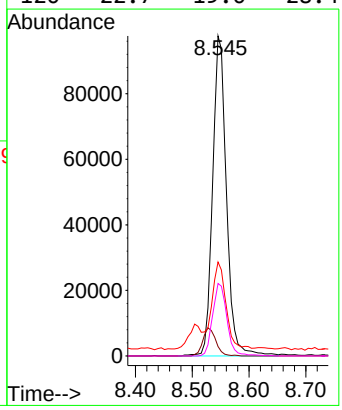
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

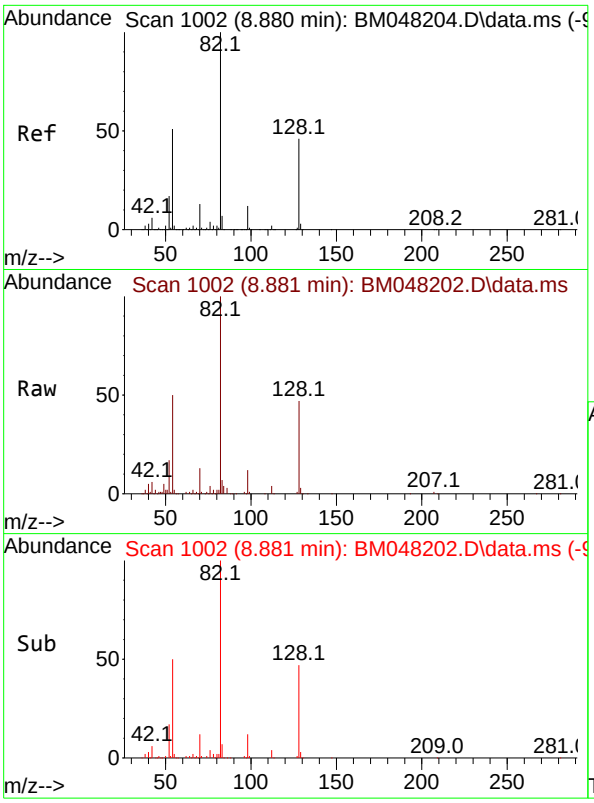


#22
Acetophenone
Concen: 10.005 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:105 Resp: 165016

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.4	5.0#
51	29.4	21.7	32.5
120	22.7	19.0	28.4

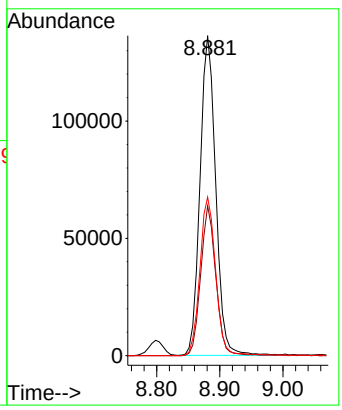




#23
Nitrobenzene-d5
Concen: 19.672 ng
RT: 8.881 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 82 Resp: 23545(

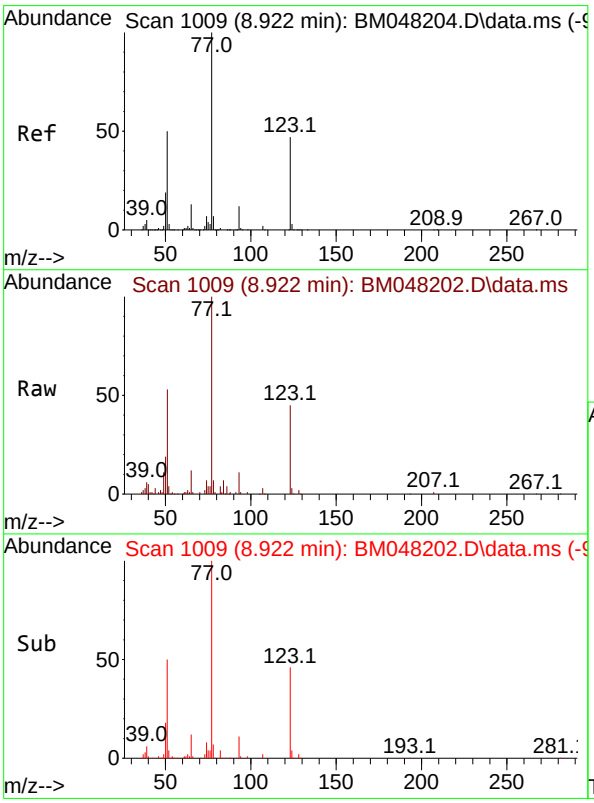
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.6	54.8
54	49.5	41.0	61.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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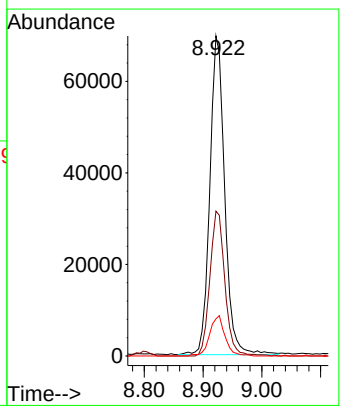
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

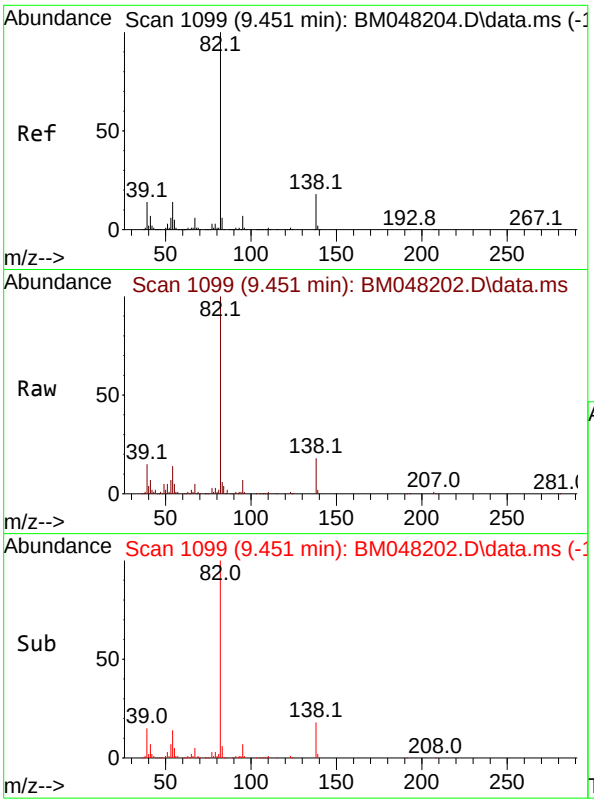


#24
Nitrobenzene
Concen: 9.888 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 77 Resp: 122626

Ion	Ratio	Lower	Upper
77	100		
123	45.3	37.8	56.6
65	11.6	10.4	15.6

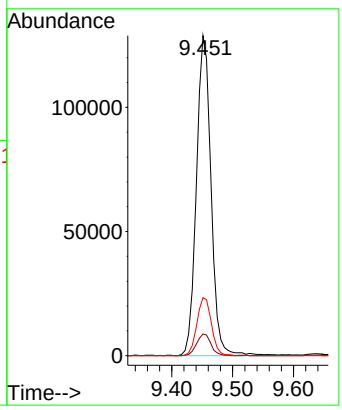




#25
Isophorone
Concen: 9.820 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 82 Resp: 21545

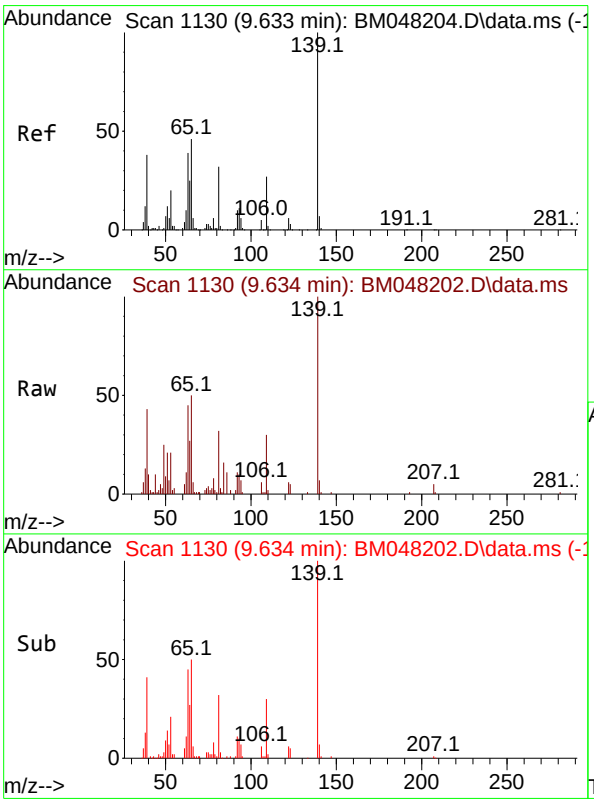
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.1	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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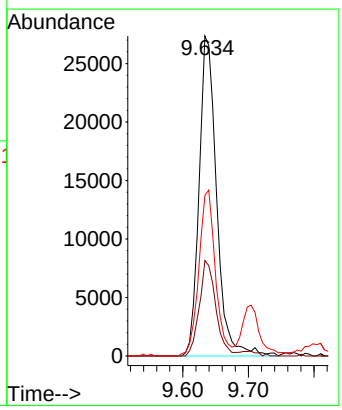
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

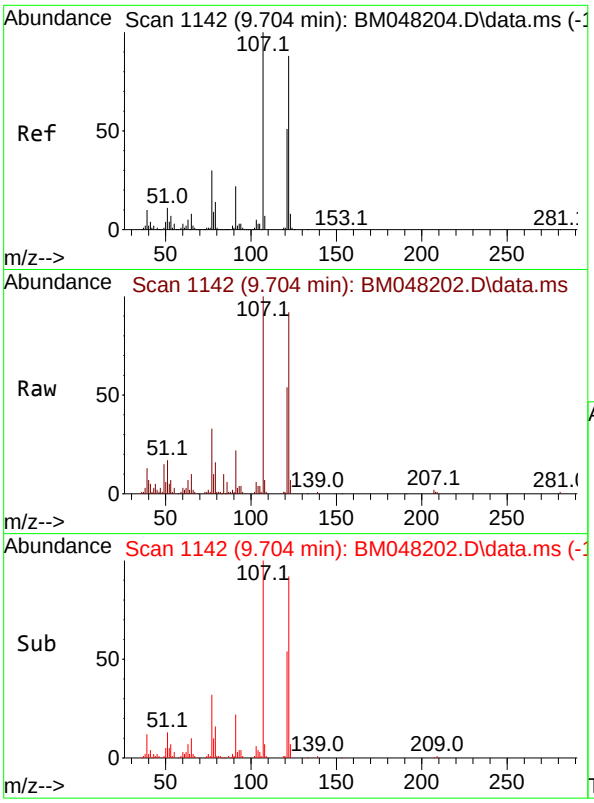


#26
2-Nitrophenol
Concen: 8.901 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:139 Resp: 50967

Ion	Ratio	Lower	Upper
139	100		
109	29.8	21.2	31.8
65	50.2	36.8	55.2

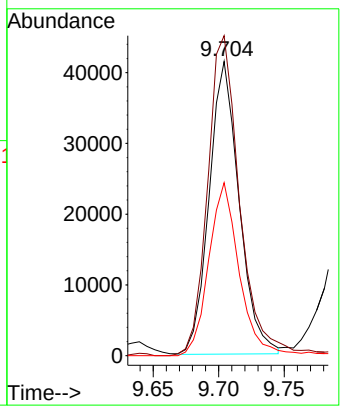




#27
2,4-Dimethylphenol
Concen: 9.473 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:122 Resp: 6581(

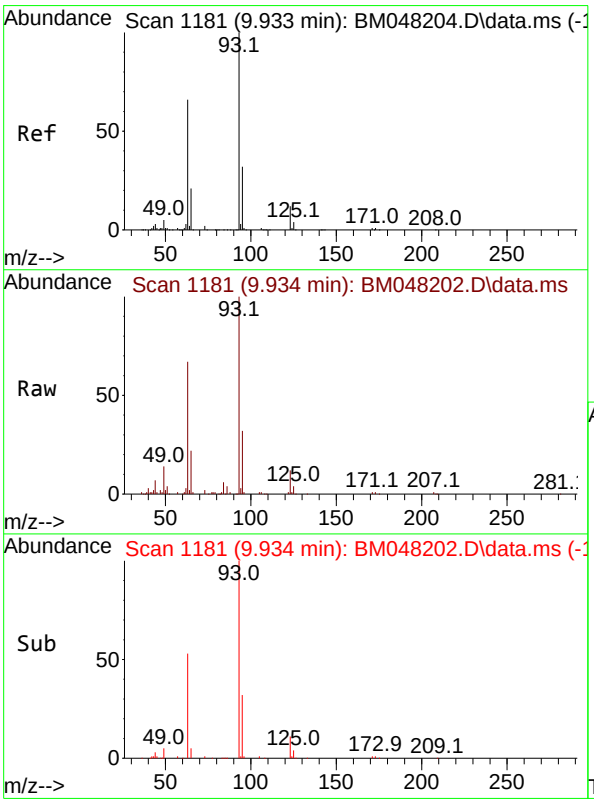
Ion	Ratio	Lower	Upper
122	100		
107	108.8	91.0	136.6
121	58.8	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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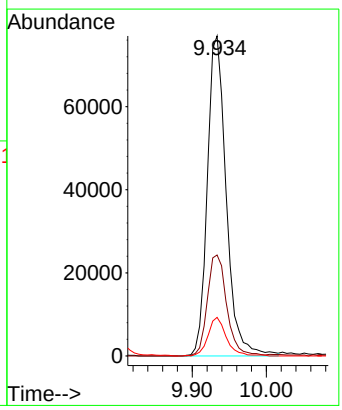
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

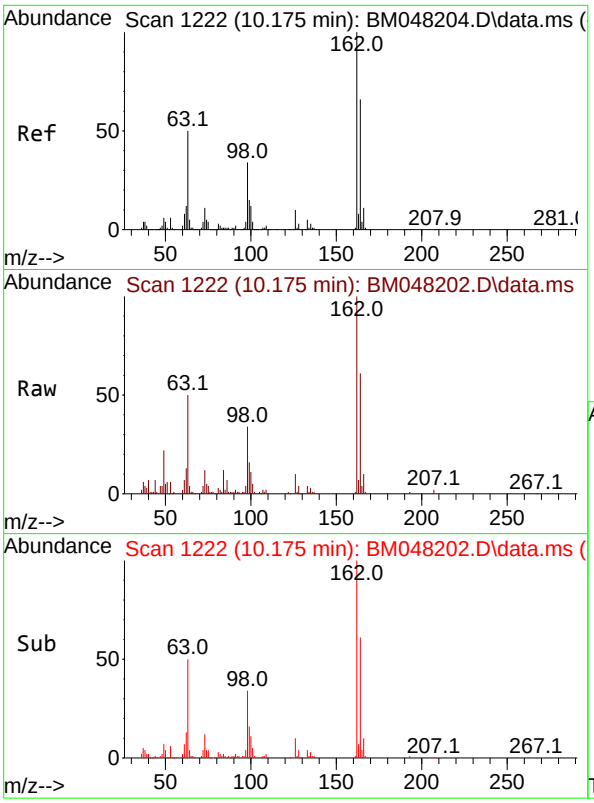


#28
bis(2-Chloroethoxy)methane
Concen: 9.817 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 93 Resp: 136287

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.3	37.9
123	12.0	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 9.417 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

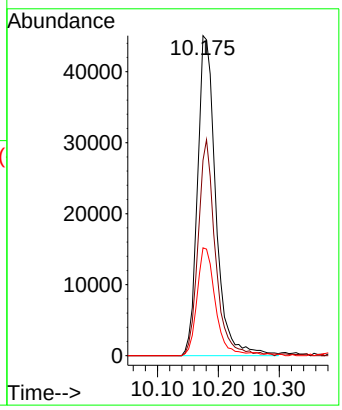
Tgt Ion:162 Resp: 9410

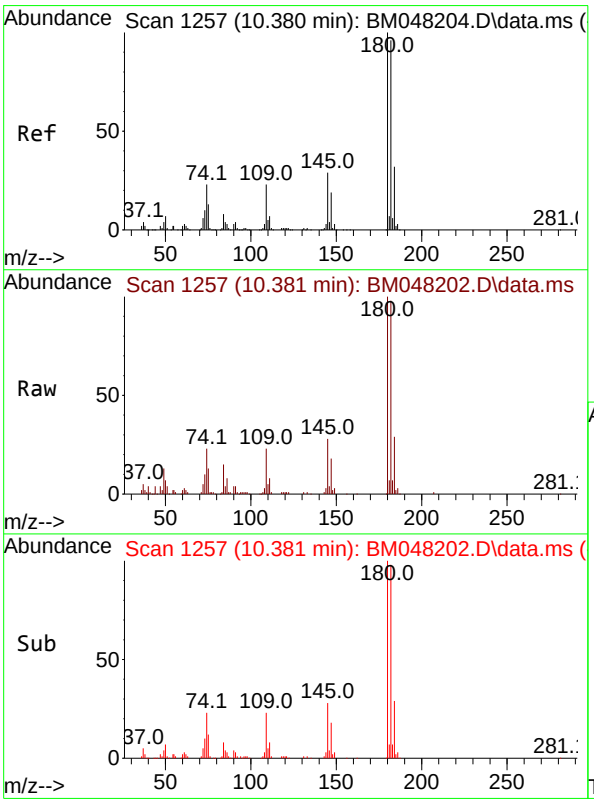
Ion	Ratio	Lower	Upper
162	100		
164	61.0	46.0	86.0
98	33.7	14.4	54.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

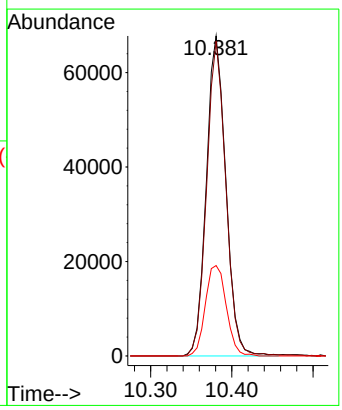


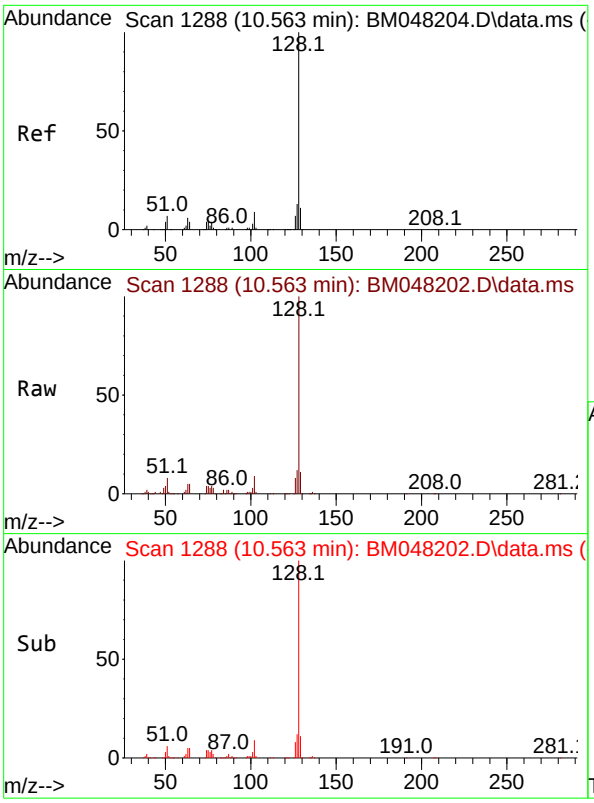


#30
1,2,4-Trichlorobenzene
Concen: 9.890 ng
RT: 10.381 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:180 Resp: 113193

Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.6	115.0
145	28.3	23.4	35.2

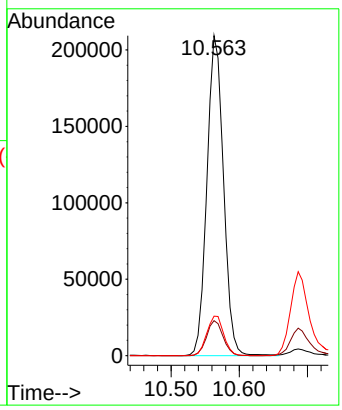




#31
Naphthalene
Concen: 10.051 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:128 Resp: 35427

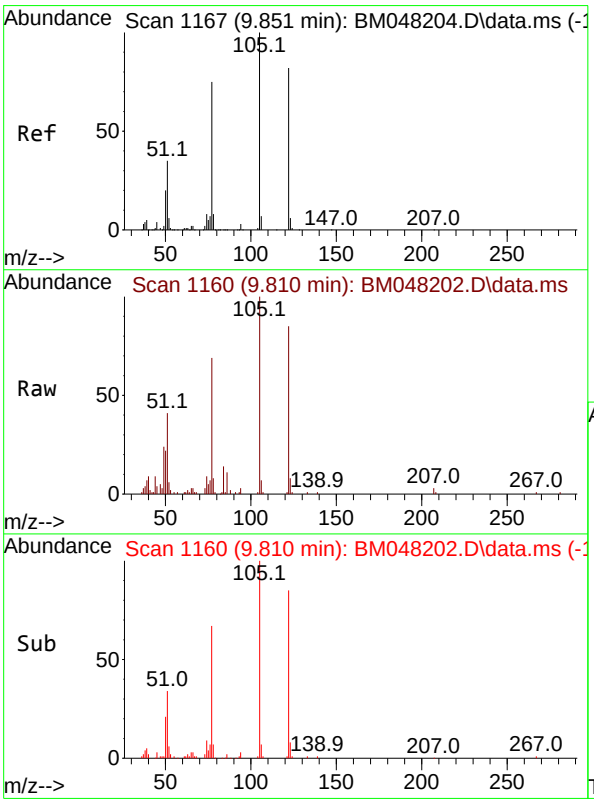
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.3	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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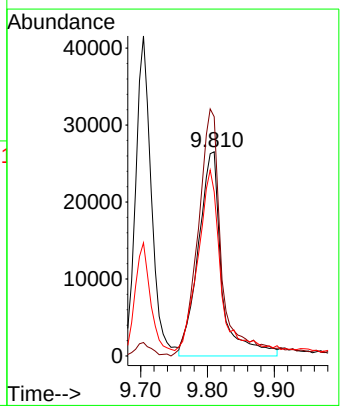
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

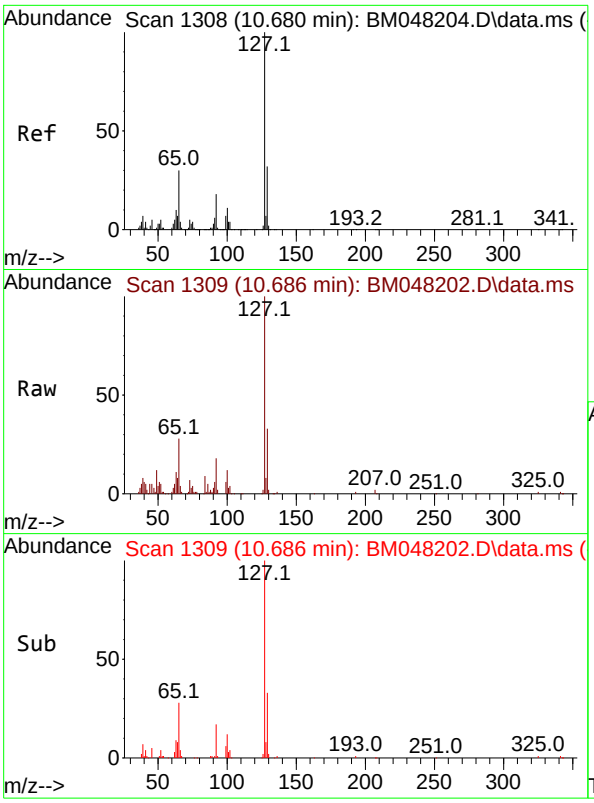


#32
Benzoic acid
Concen: 8.320 ng m
RT: 9.810 min Scan# 1160
Delta R.T. -0.041 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:122 Resp: 64616

Ion	Ratio	Lower	Upper
122	100		
105	117.2	99.3	139.3
77	80.3	70.4	110.4

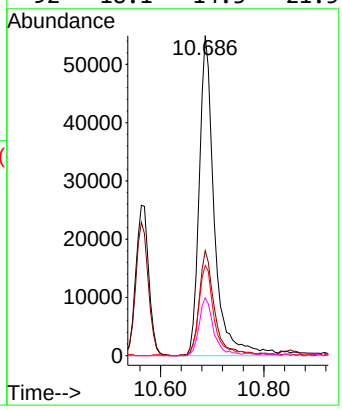




#33
4-Chloroaniline
Concen: 9.759 ng
RT: 10.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:127 Resp: 11155

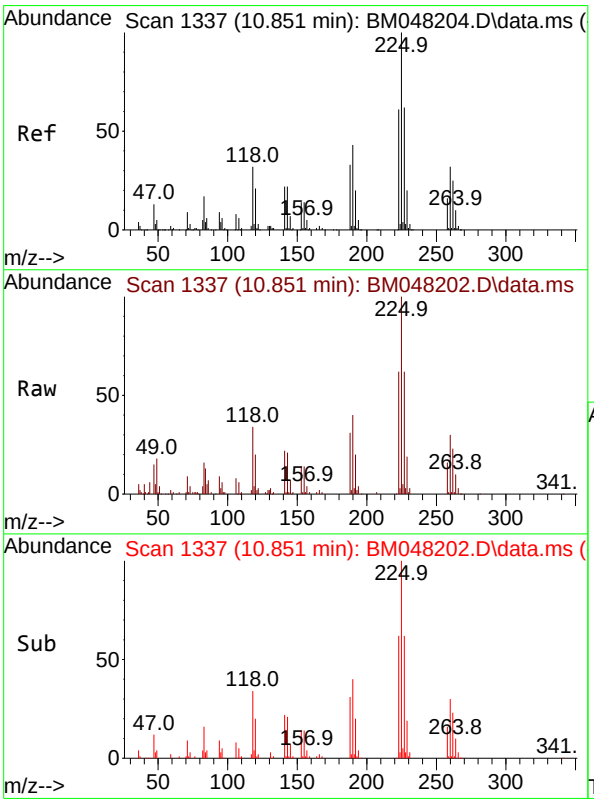
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.8	38.6
65	28.2	23.7	35.5
92	18.1	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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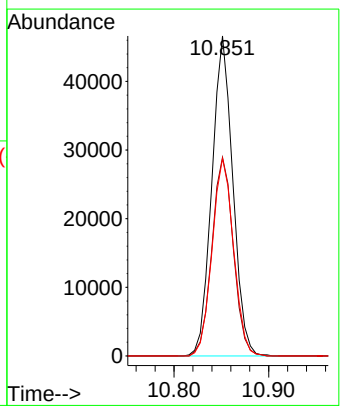
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

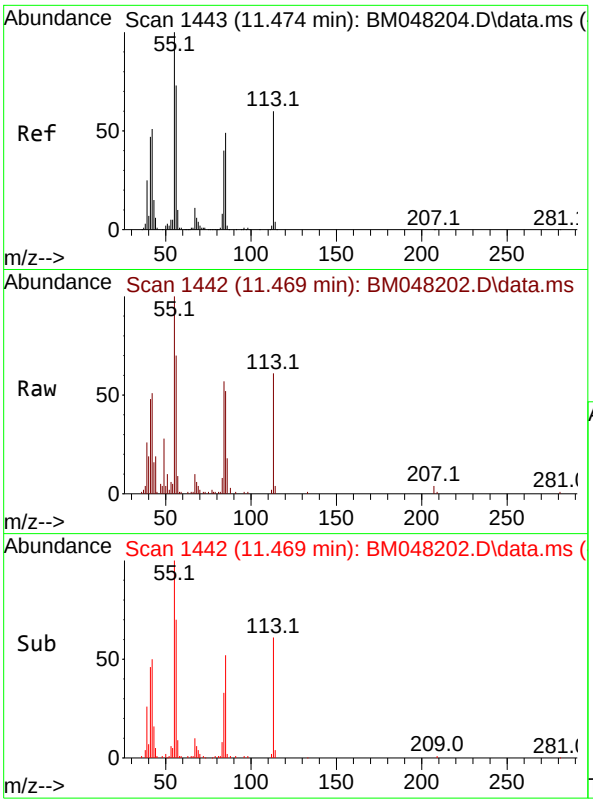


#34
Hexachlorobutadiene
Concen: 10.120 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:225 Resp: 71791

Ion	Ratio	Lower	Upper
225	100		
223	62.1	48.6	73.0
227	61.8	49.6	74.4





#35
Caprolactam
Concen: 9.243 ng m
RT: 11.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

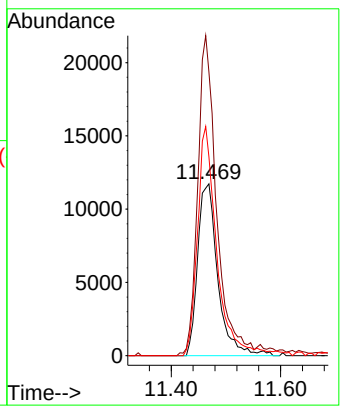
Tgt Ion:113 Resp: 2995

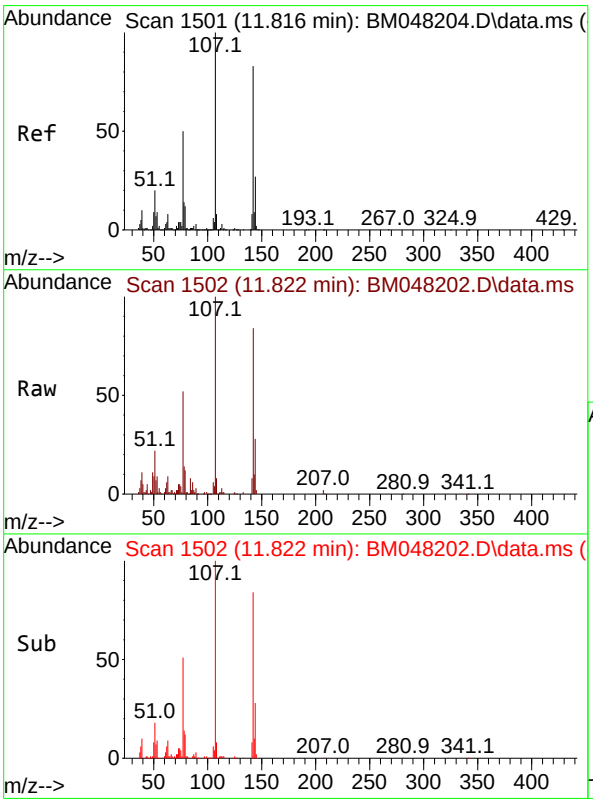
Ion	Ratio	Lower	Upper
113	100		
55	165.0	146.1	186.1
56	115.6	101.9	141.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

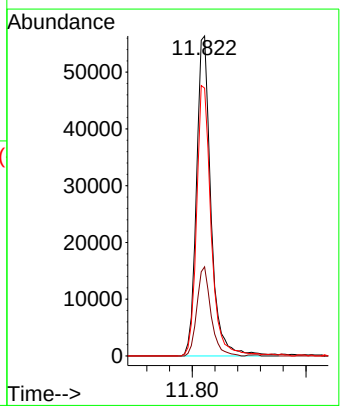


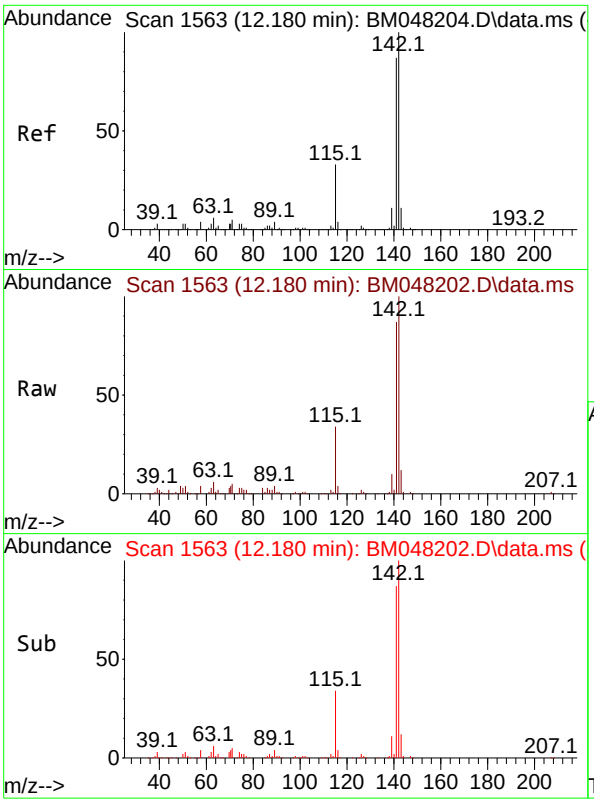


#36
4-Chloro-3-methylphenol
Concen: 9.582 ng
RT: 11.822 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:107 Resp: 99967

Ion	Ratio	Lower	Upper
107	100		
144	27.8	21.5	32.3
142	83.7	66.8	100.2

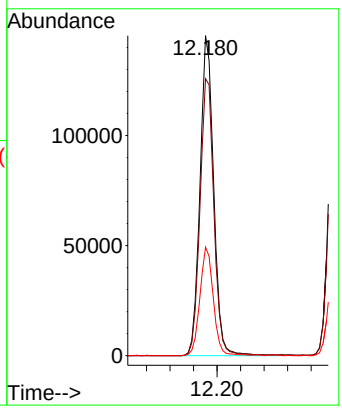




#37
2-Methylnaphthalene
Concen: 9.962 ng
RT: 12.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:142 Resp: 23460

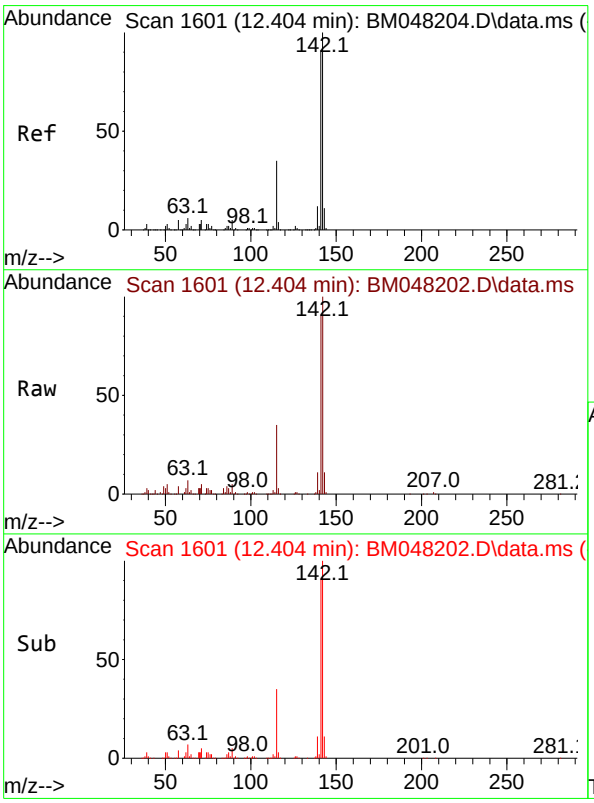
Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.8	104.6
115	33.9	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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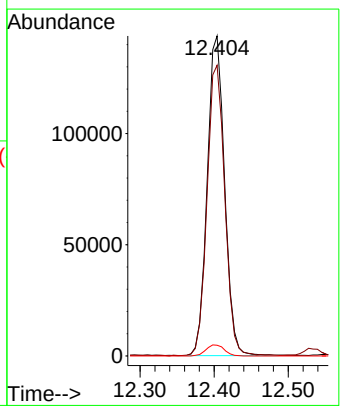
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

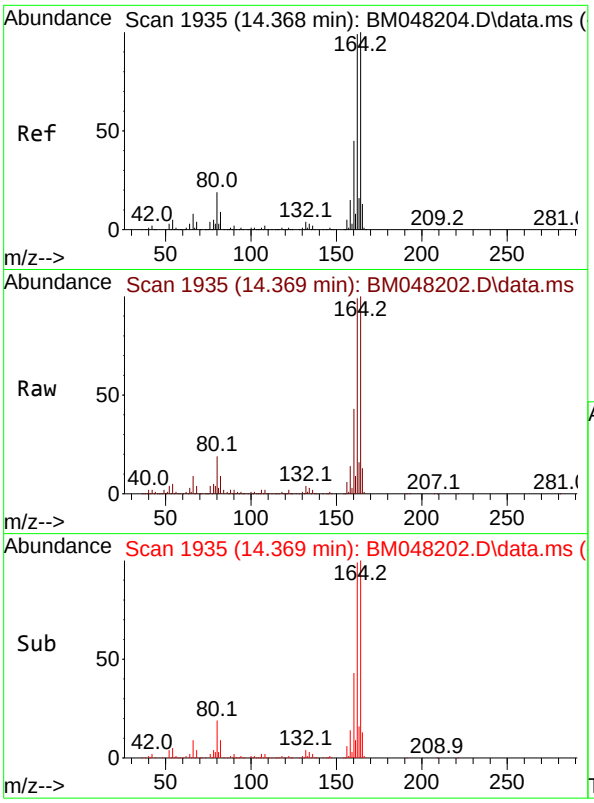


#38
1-Methylnaphthalene
Concen: 10.007 ng
RT: 12.404 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:142 Resp: 233676

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.7	109.1
116	3.3	2.9	4.3

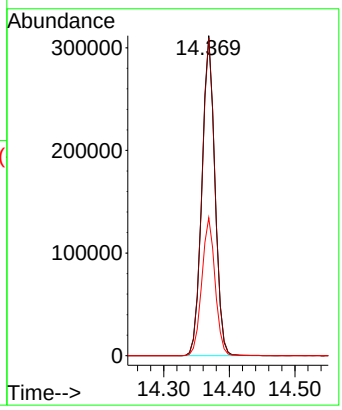




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:164 Resp: 43019

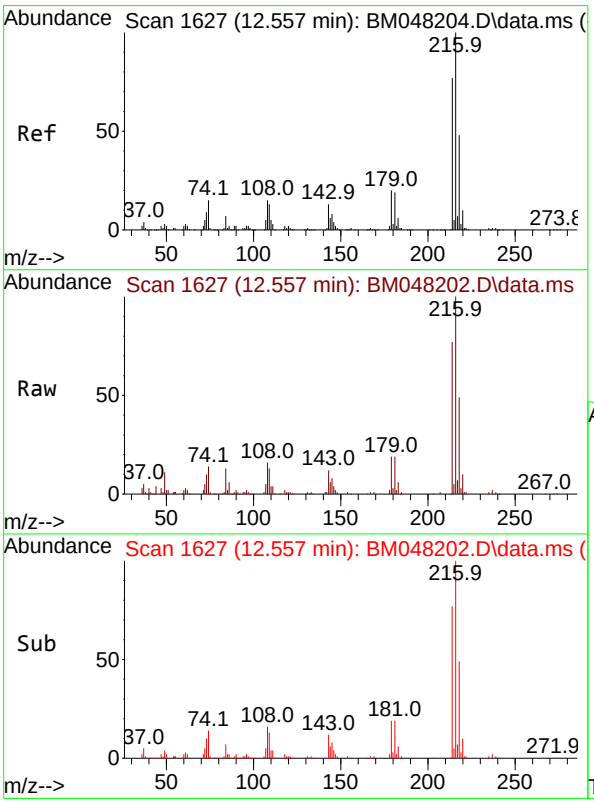
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.1	118.7
160	43.1	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

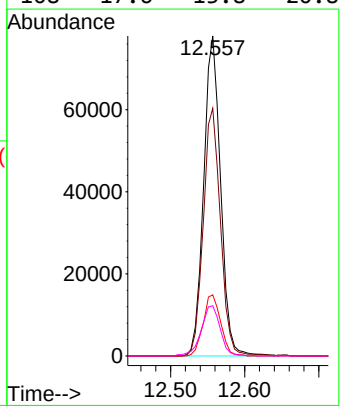
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

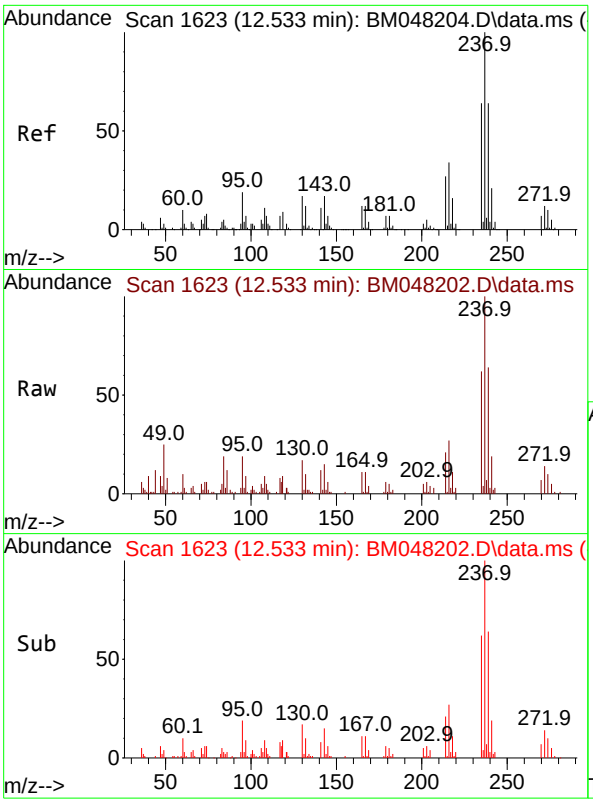


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.055 ng
RT: 12.557 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:216 Resp: 123639

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.2	93.2
179	19.7	16.0	24.0
108	17.6	13.8	20.8

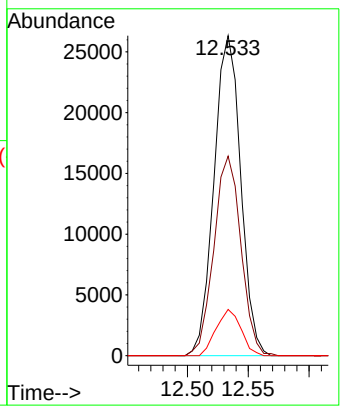




#41
Hexachlorocyclopentadiene
Concen: 9.663 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:237 Resp: 4020

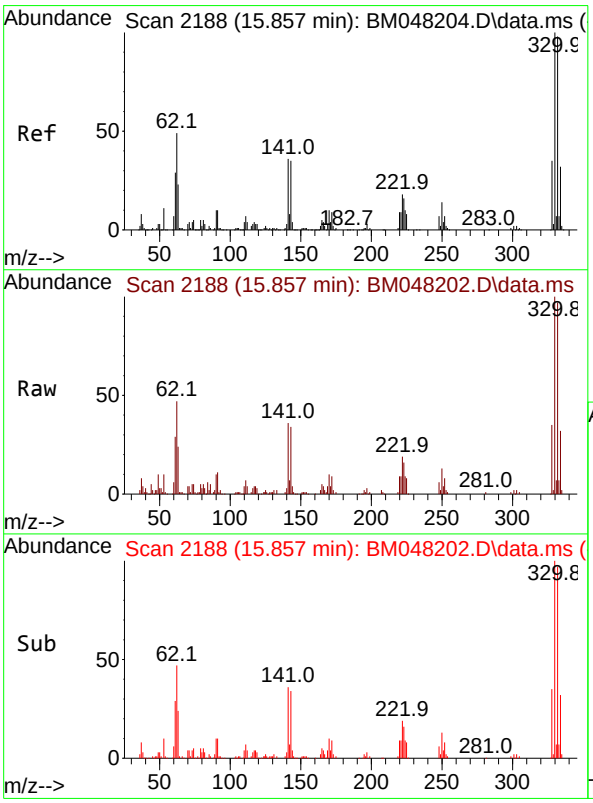
Ion	Ratio	Lower	Upper
237	100		
235	62.4	44.2	84.2
272	14.5	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

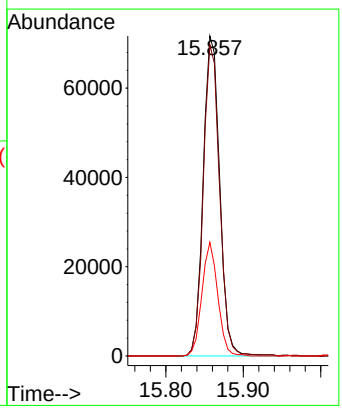
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

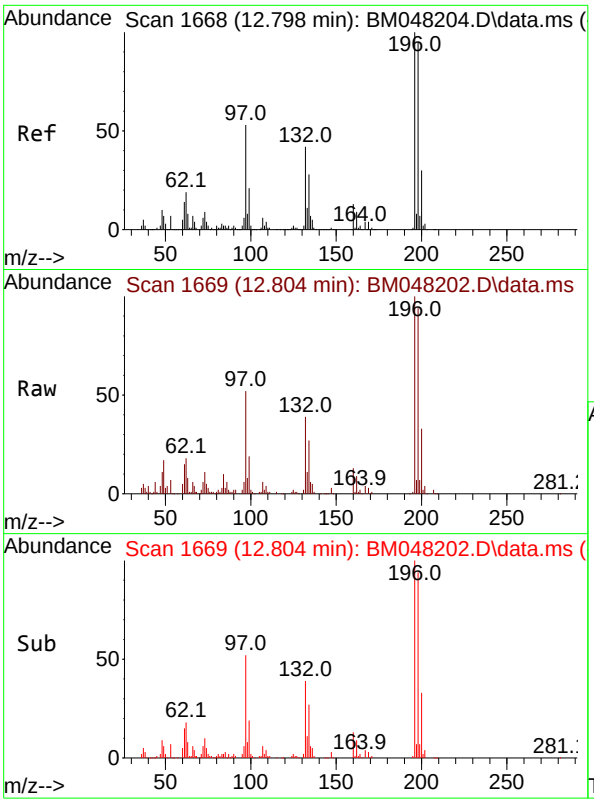


#42
2,4,6-Tribromophenol
Concen: 20.097 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:330 Resp: 105824

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	34.1	27.5	41.3

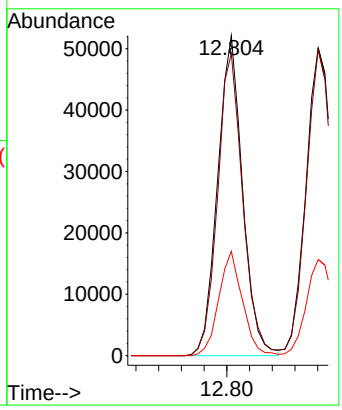




#43
2,4,6-Trichlorophenol
Concen: 9.740 ng
RT: 12.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:196 Resp: 7947

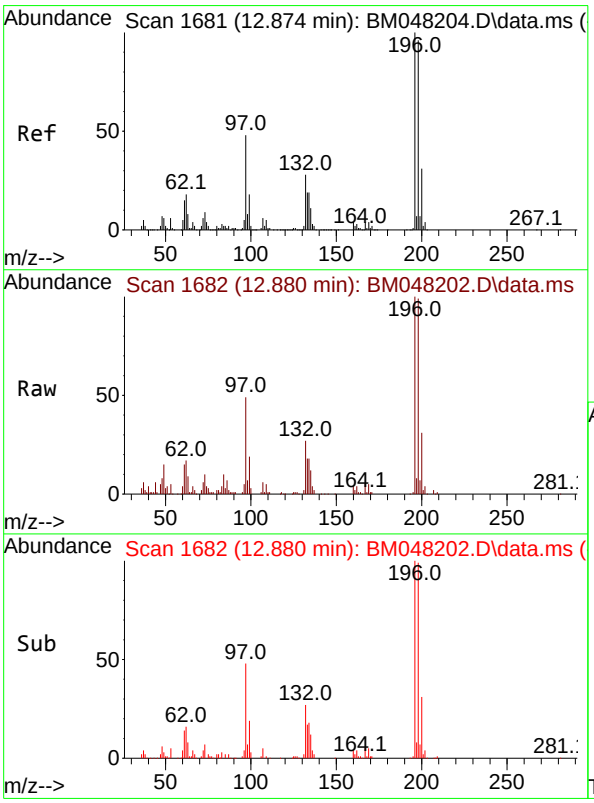
Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.2	114.2
200	32.6	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

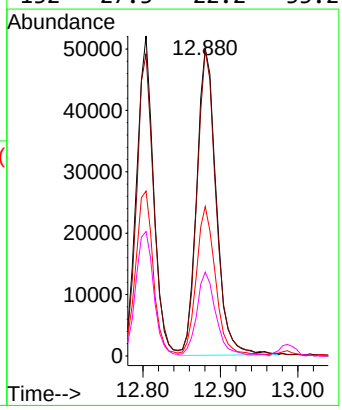
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

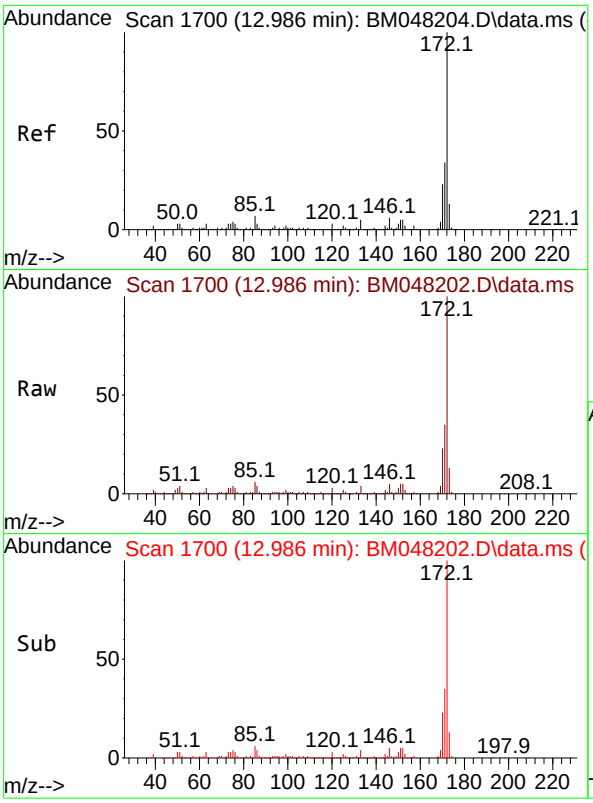


#44
2,4,5-Trichlorophenol
Concen: 9.611 ng
RT: 12.880 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:196 Resp: 87457

Ion	Ratio	Lower	Upper
196	100		
198	99.5	76.7	115.1
97	48.6	38.5	57.7
132	27.3	22.2	33.2

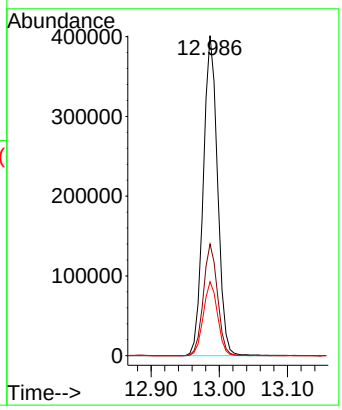




#45
2-Fluorobiphenyl
Concen: 20.833 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:172 Resp: 58404

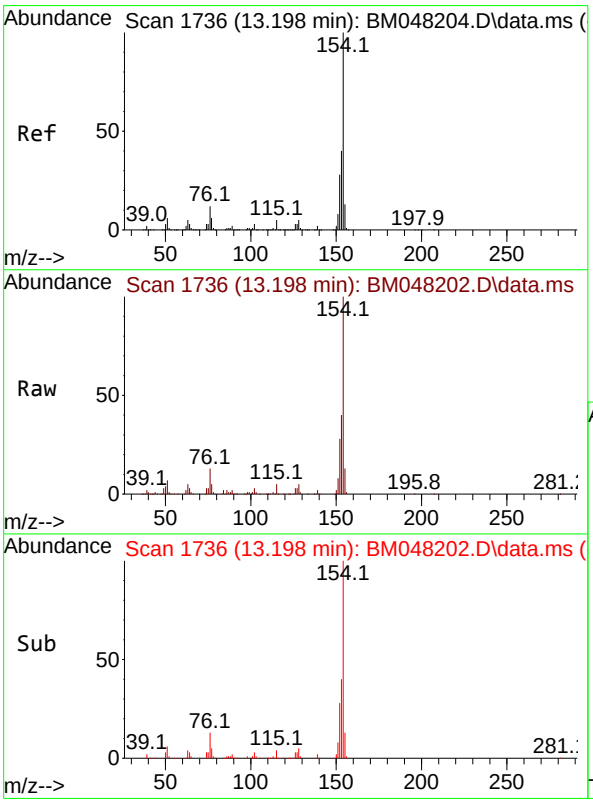
Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.4	41.0
170	23.1	18.5	27.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

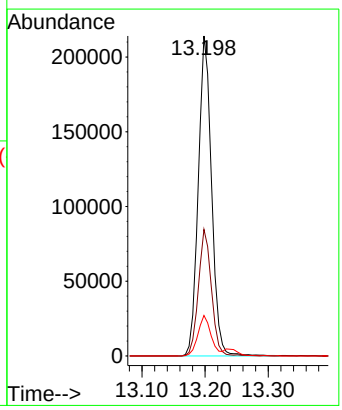
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

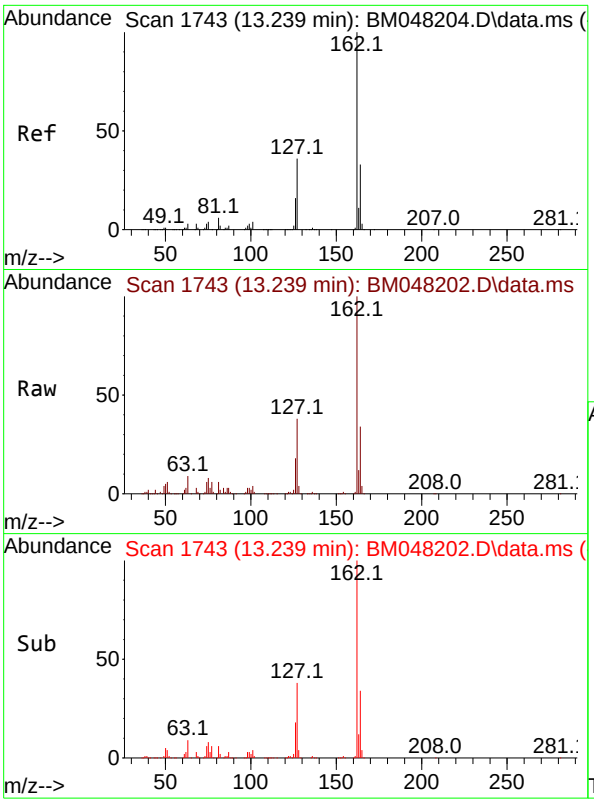


#46
1,1'-Biphenyl
Concen: 10.210 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:154 Resp: 313591

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.9	59.9
76	12.6	0.0	32.4

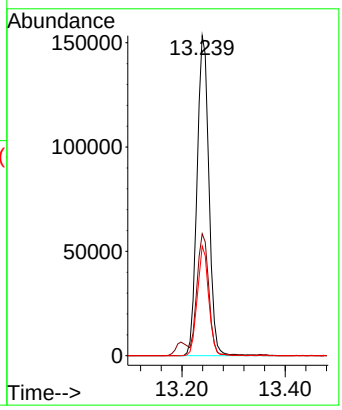




#47
2-Chloronaphthalene
Concen: 10.089 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:162 Resp: 24433

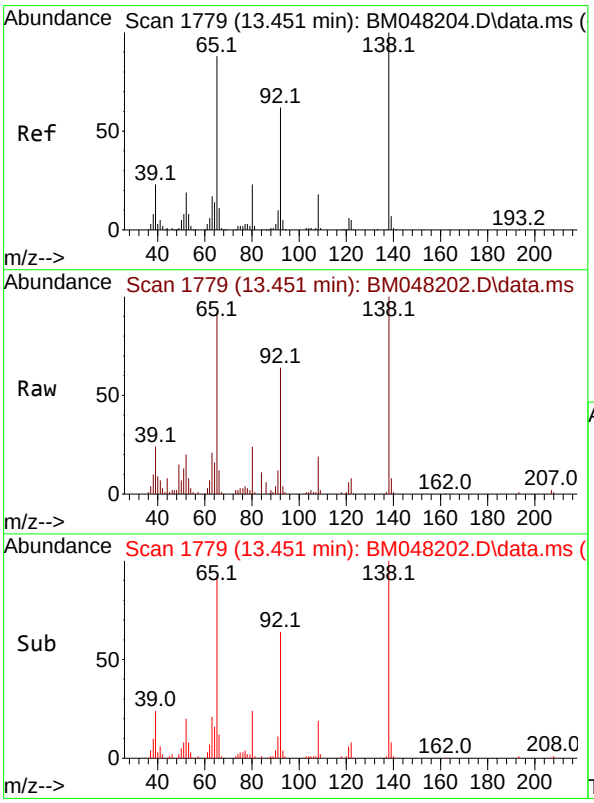
Ion	Ratio	Lower	Upper
162	100		
127	38.1	31.0	46.6
164	34.3	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

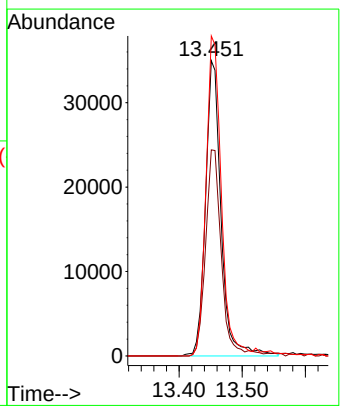
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

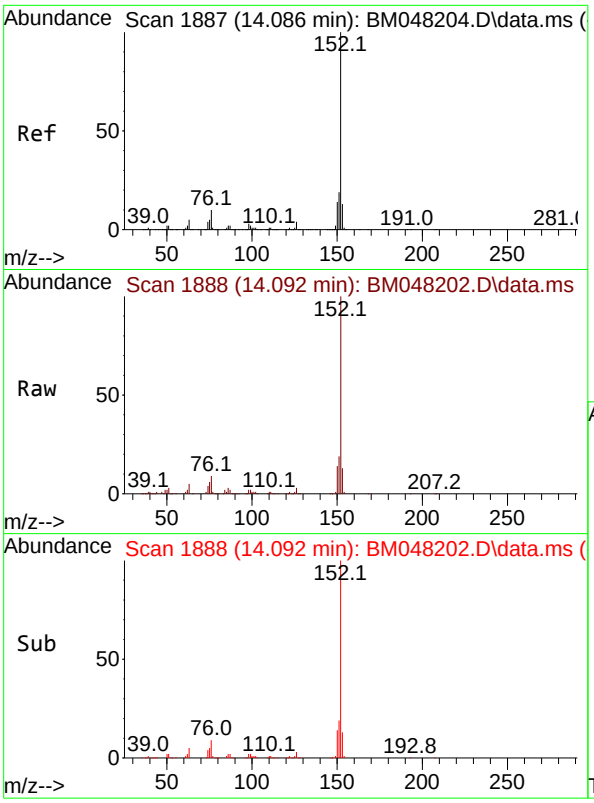


#48
2-Nitroaniline
Concen: 9.121 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 65 Resp: 59910

Ion	Ratio	Lower	Upper
65	100		
92	69.8	56.0	84.0
138	108.4	90.8	136.2

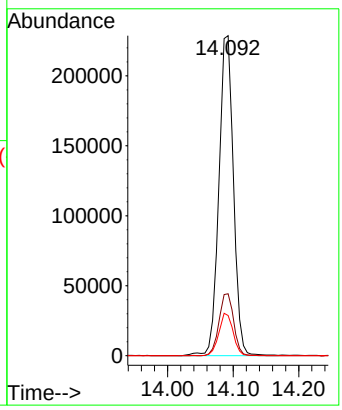




#49
Acenaphthylene
Concen: 9.947 ng
RT: 14.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:152 Resp: 35145

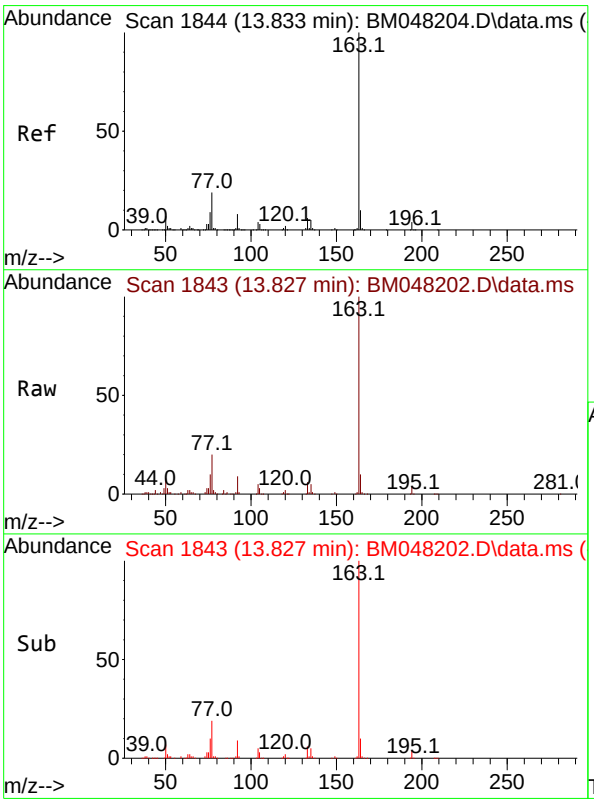
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.6	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

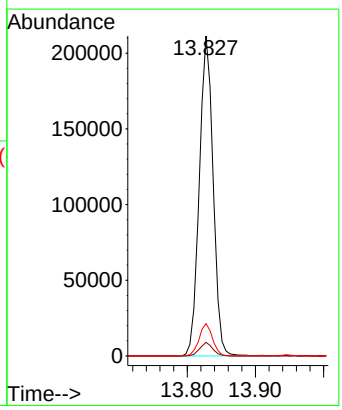
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

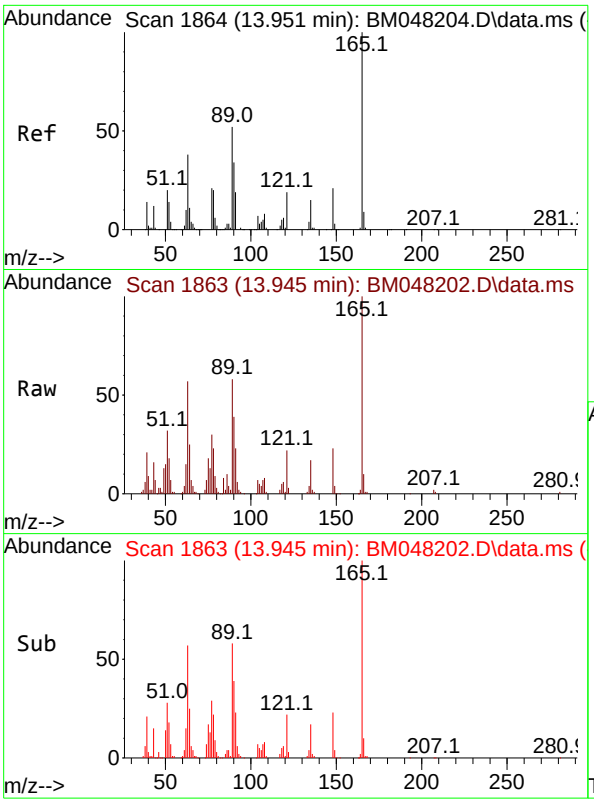


#50
Dimethylphthalate
Concen: 10.137 ng
RT: 13.827 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:163 Resp: 297690

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.1	4.7
164	10.1	7.8	11.6

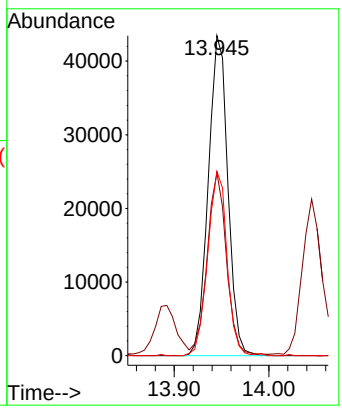




#51
2,6-Dinitrotoluene
Concen: 9.504 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:165 Resp: 6228

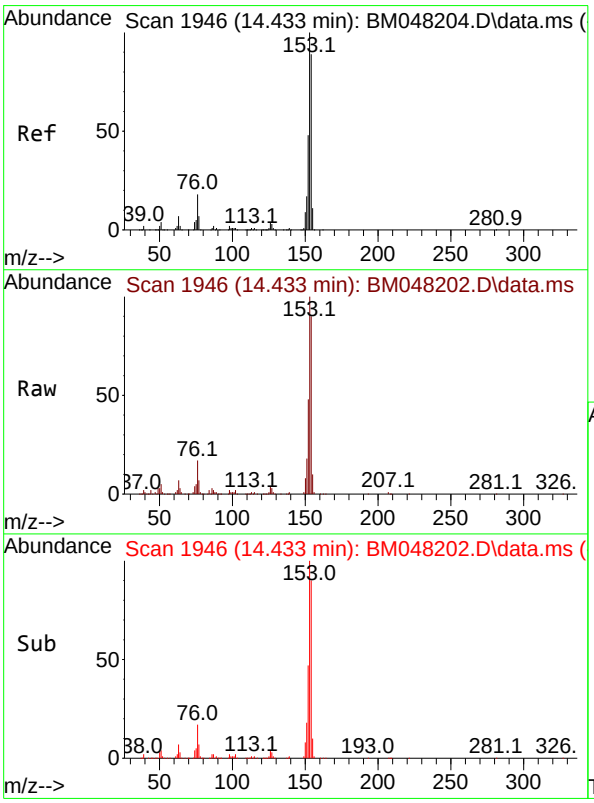
Ion	Ratio	Lower	Upper
165	100		
63	57.2	39.5	59.3
89	57.6	41.8	62.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

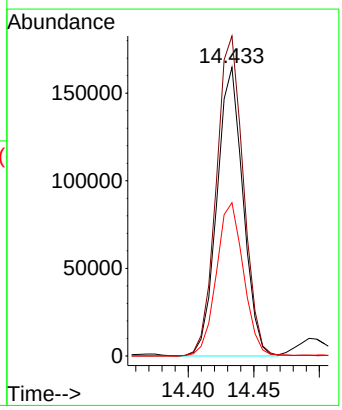
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

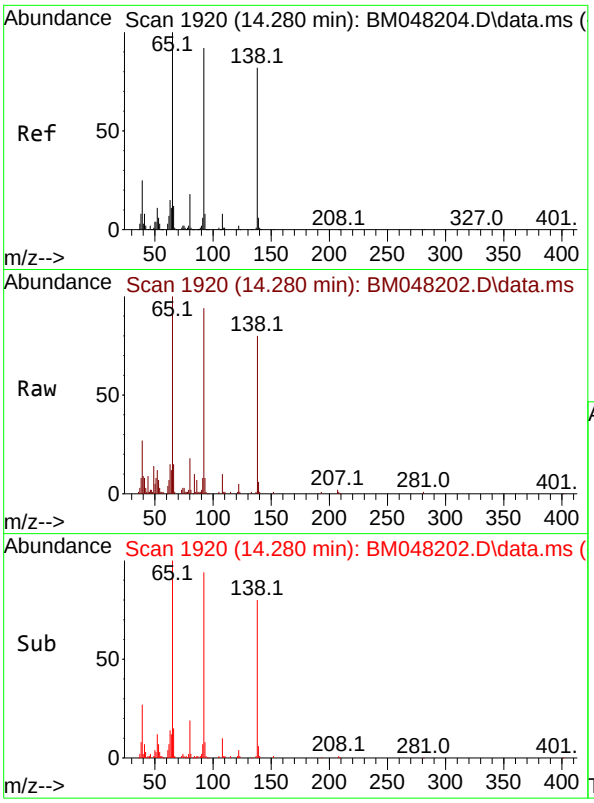


#52
Acenaphthene
Concen: 10.178 ng
RT: 14.433 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:154 Resp: 228492

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.4	135.6
152	53.1	43.6	65.4

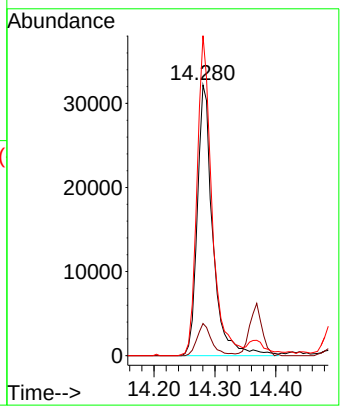




#53
3-Nitroaniline
Concen: 9.214 ng
RT: 14.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:138 Resp: 5694

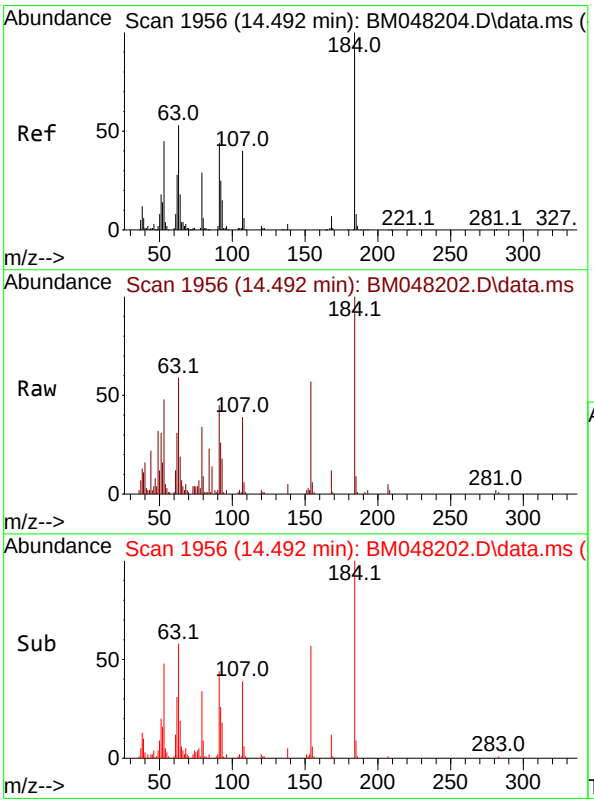
Ion	Ratio	Lower	Upper
138	100		
108	11.9	7.5	11.3
92	118.3	89.7	134.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

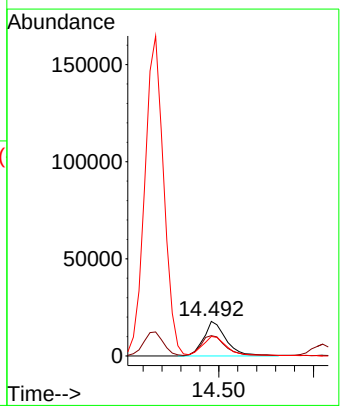
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

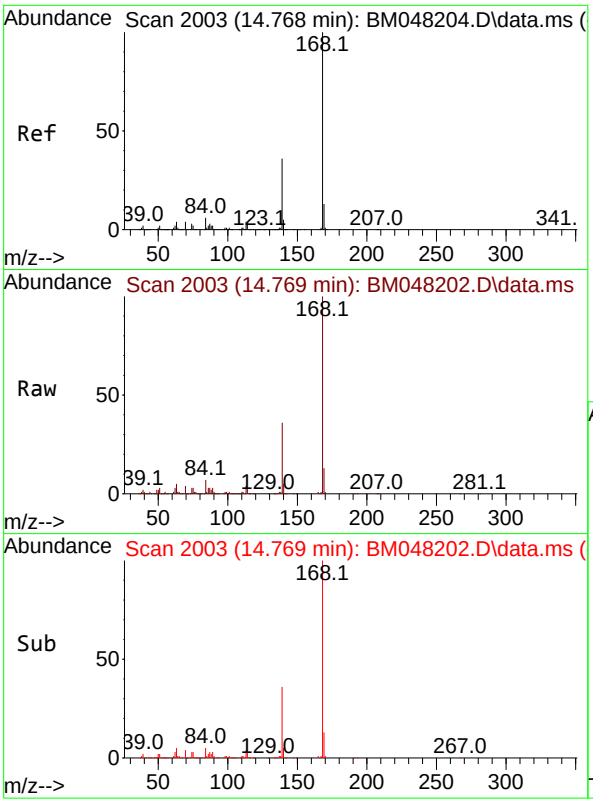


#54
2,4-Dinitrophenol
Concen: 7.649 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:184 Resp: 29288

Ion	Ratio	Lower	Upper
184	100		
63	58.9	47.2	70.8
154	56.6	46.0	69.0

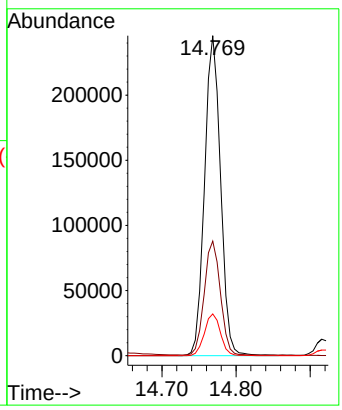




#55
Dibenzofuran
Concen: 10.315 ng
RT: 14.769 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:168 Resp: 36788

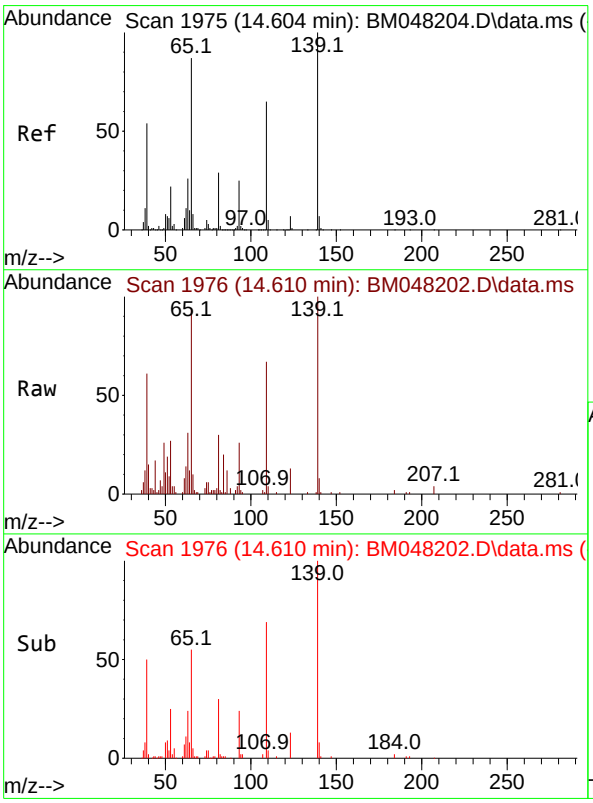
Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.0	43.6
169	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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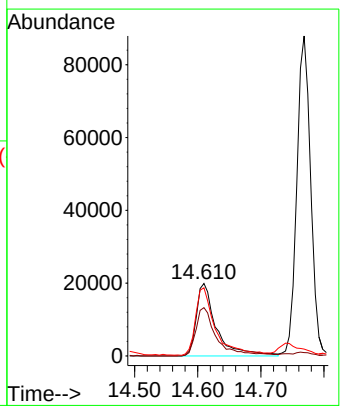
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

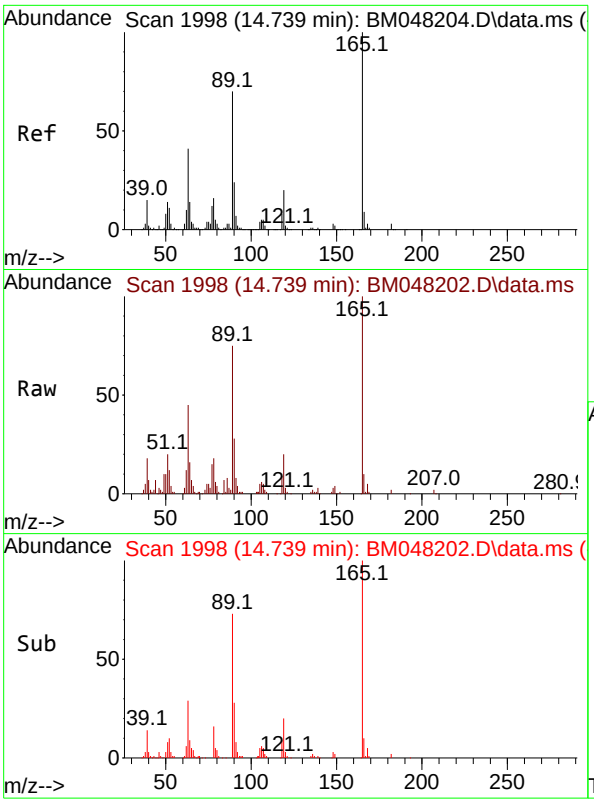


#56
4-Nitrophenol
Concen: 7.920 ng
RT: 14.610 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:139 Resp: 43683

Ion	Ratio	Lower	Upper
139	100		
109	66.7	45.4	85.4
65	94.1	67.3	107.3

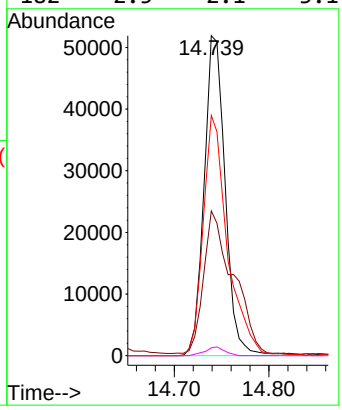




#57
2,4-Dinitrotoluene
Concen: 9.228 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:165 Resp: 7985

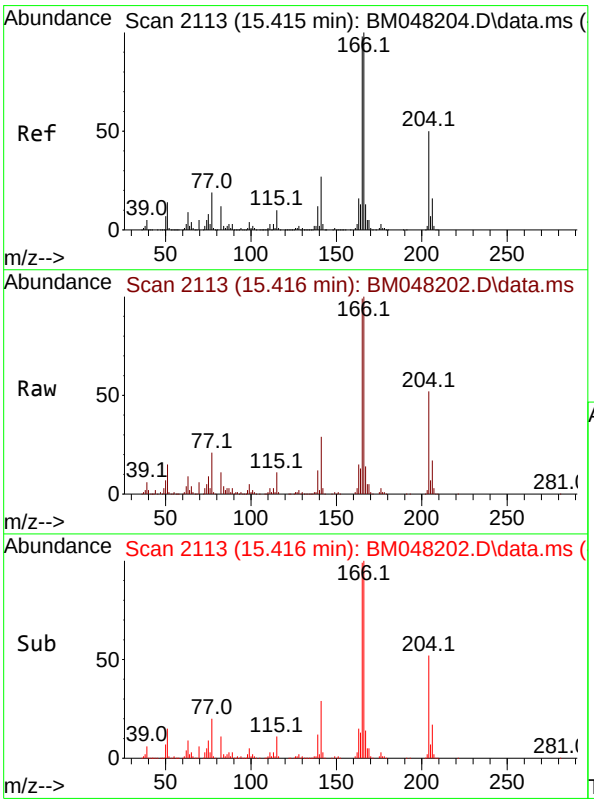
Ion	Ratio	Lower	Upper
165	100		
63	45.3	33.0	49.4
89	75.1	55.8	83.6
182	2.5	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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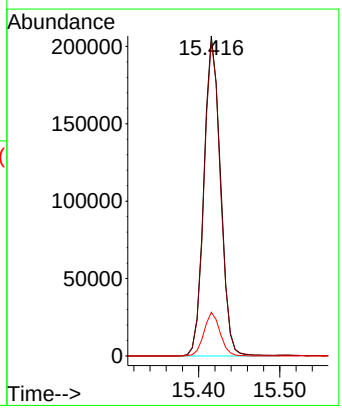
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

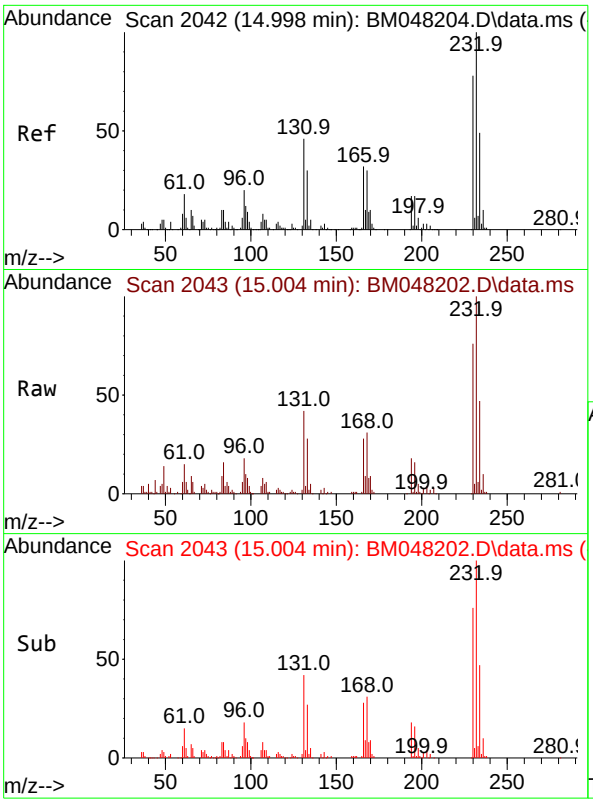


#58
Fluorene
Concen: 10.378 ng
RT: 15.416 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:166 Resp: 292703

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.4	117.6
167	13.7	10.8	16.2

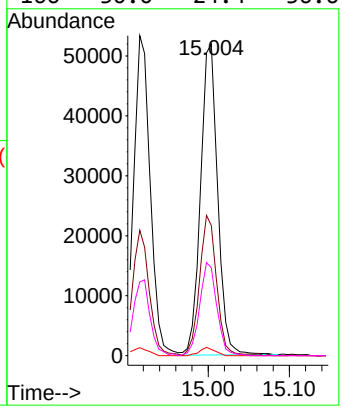




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.070 ng
RT: 15.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:232 Resp: 7595

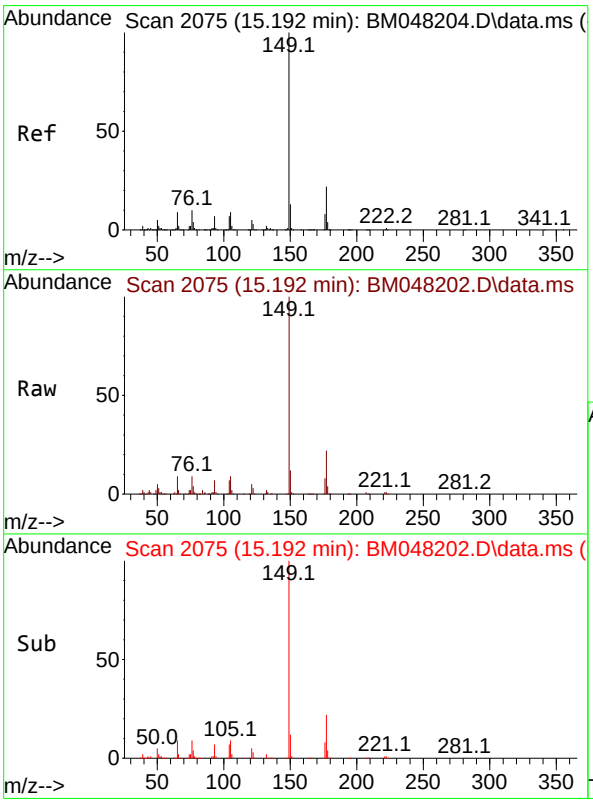
Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.5	53.3
130	2.4	1.8	2.6
166	30.0	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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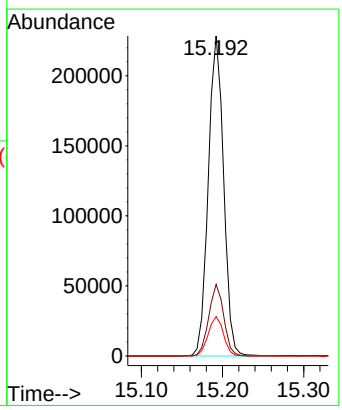
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

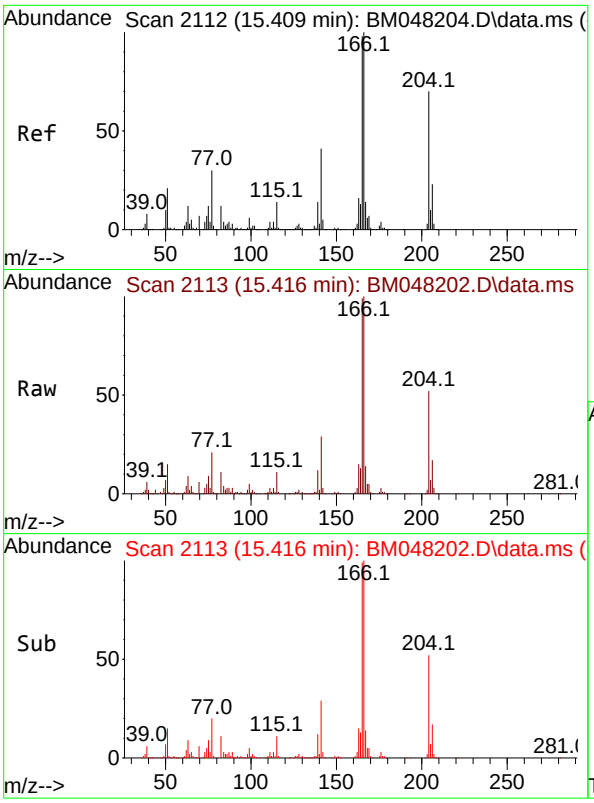


#60
Diethylphthalate
Concen: 10.050 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:149 Resp: 298826

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.5	26.3
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 10.472 ng
RT: 15.416 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

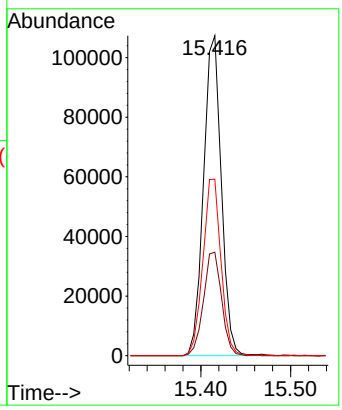
Instrument :
BNA_M
ClientSampleId :
SSTDICC010

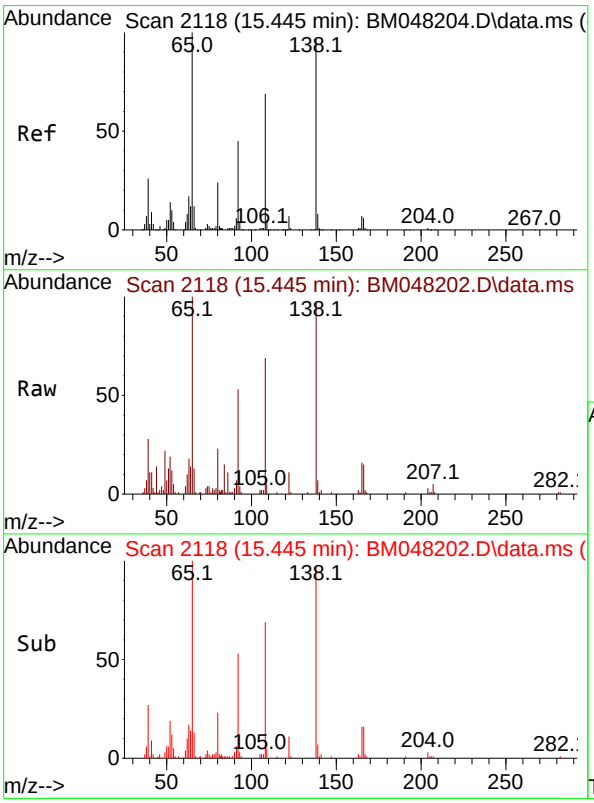
Tgt Ion:204 Resp: 14767

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.4
141	55.2	47.0	70.6

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

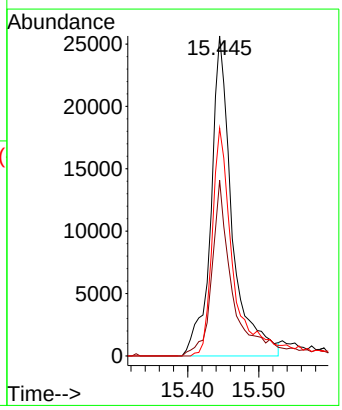


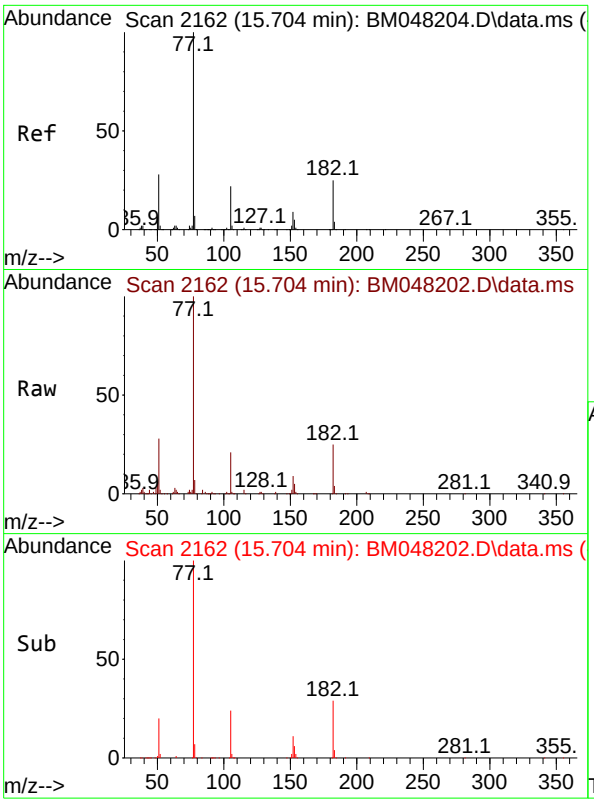


#62
4-Nitroaniline
Concen: 8.324 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:138 Resp: 53233

Ion	Ratio	Lower	Upper
138	100		
92	54.9	26.9	66.9
108	71.2	51.3	91.3

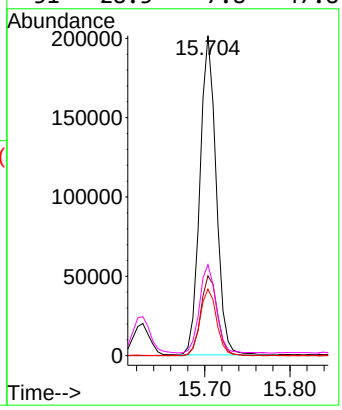




#63
Azobenzene
Concen: 9.989 ng
RT: 15.704 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion: 77 Resp: 26619

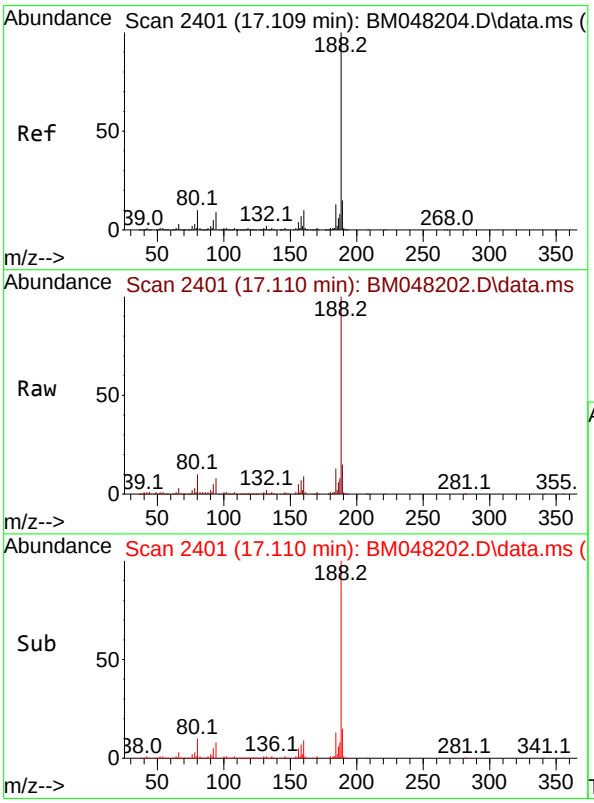
Ion	Ratio	Lower	Upper
77	100		
182	24.9	5.3	45.3
105	20.8	1.6	41.6
51	28.5	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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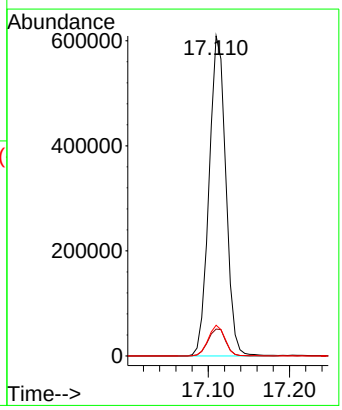
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

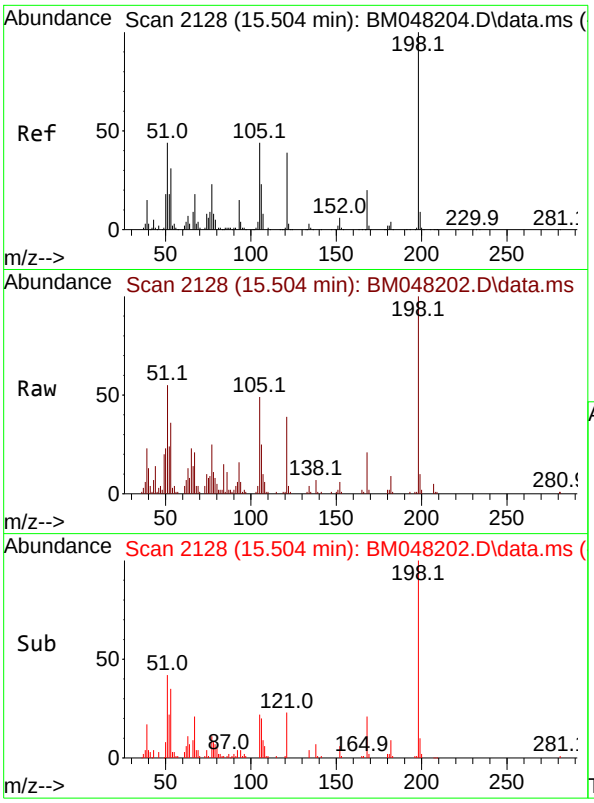


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:188 Resp: 872805

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.3	10.9
80	9.6	8.0	12.0

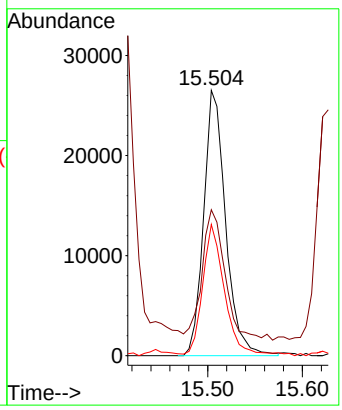




#65
4,6-Dinitro-2-methylphenol
Concen: 8.446 ng
RT: 15.504 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:198 Resp: 4277

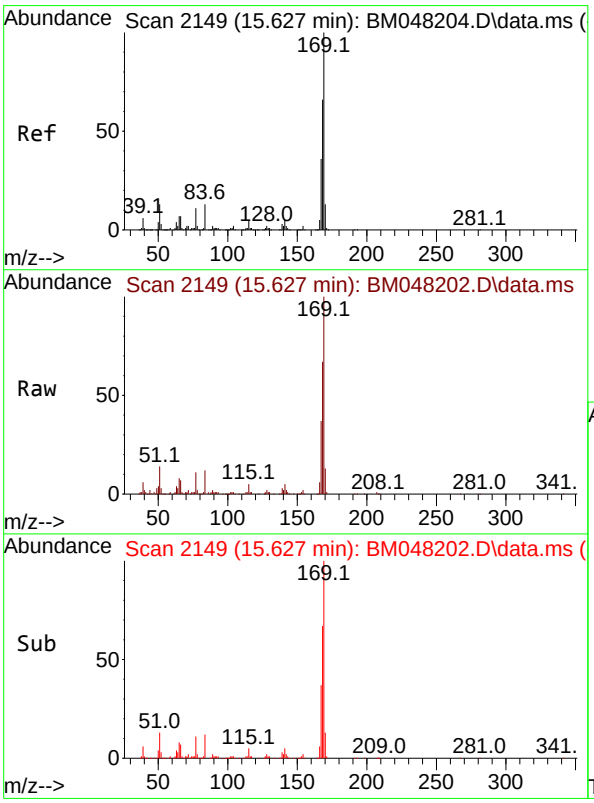
Ion	Ratio	Lower	Upper
198	100		
51	55.0	25.4	65.4
105	49.4	23.9	63.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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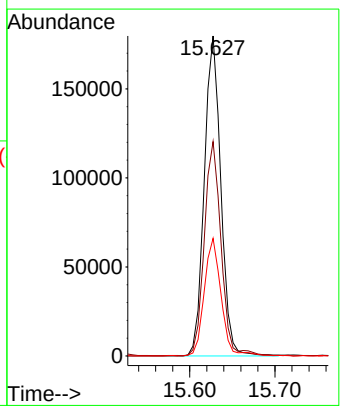
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

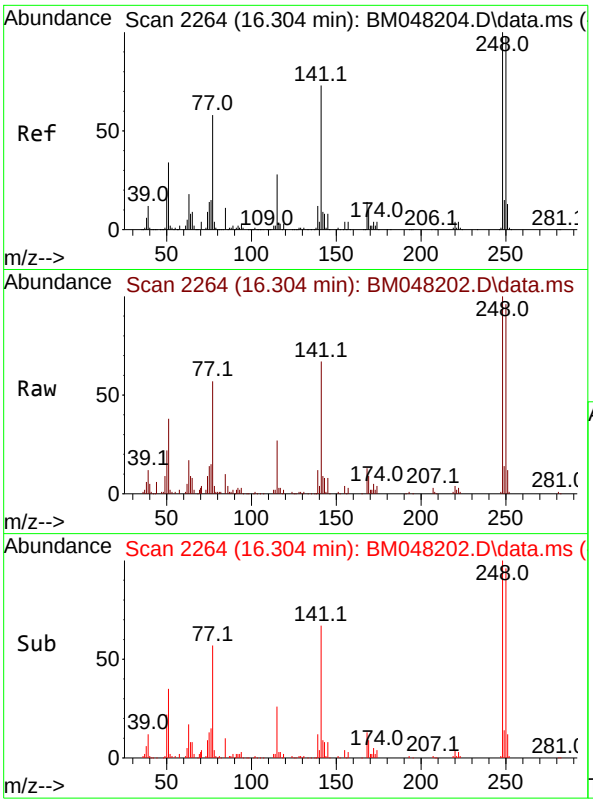


#66
n-Nitrosodiphenylamine
Concen: 10.125 ng
RT: 15.627 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:169 Resp: 242589

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.9	79.3
167	36.7	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 10.118 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

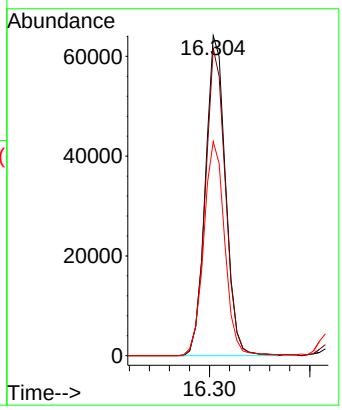
Tgt Ion:248 Resp: 8953

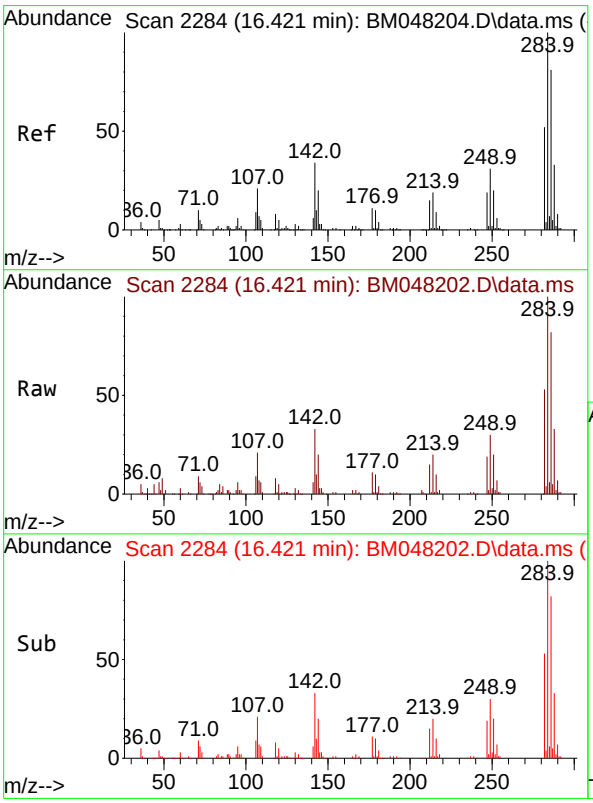
Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.3	117.5
141	66.9	58.0	87.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

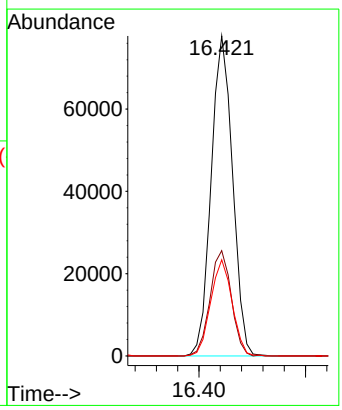


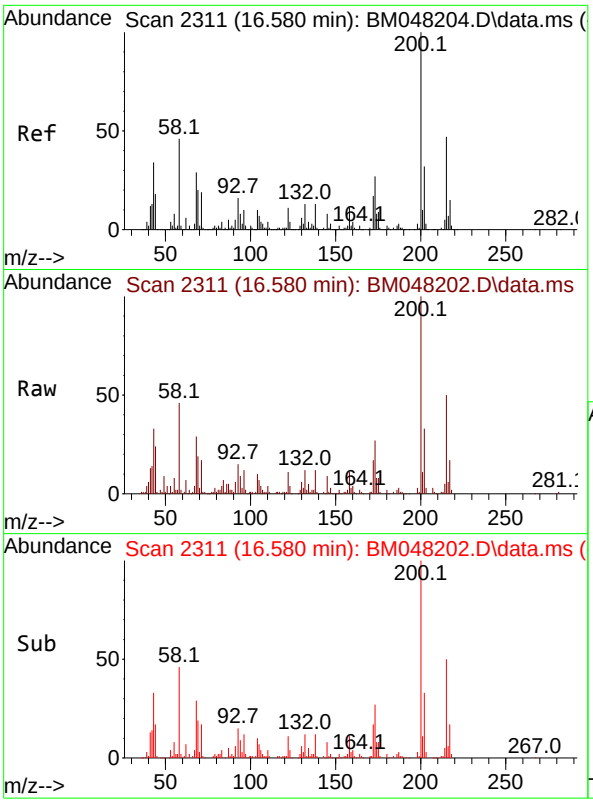


#68
Hexachlorobenzene
Concen: 10.205 ng
RT: 16.421 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:284 Resp: 108457

Ion	Ratio	Lower	Upper
284	100		
142	32.9	27.0	40.4
249	30.1	24.6	36.8





#69
Atrazine
Concen: 11.175 ng
RT: 16.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

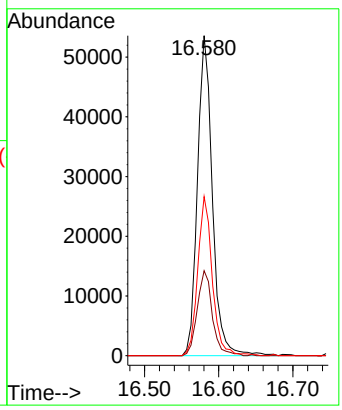
Tgt Ion:200 Resp: 7492

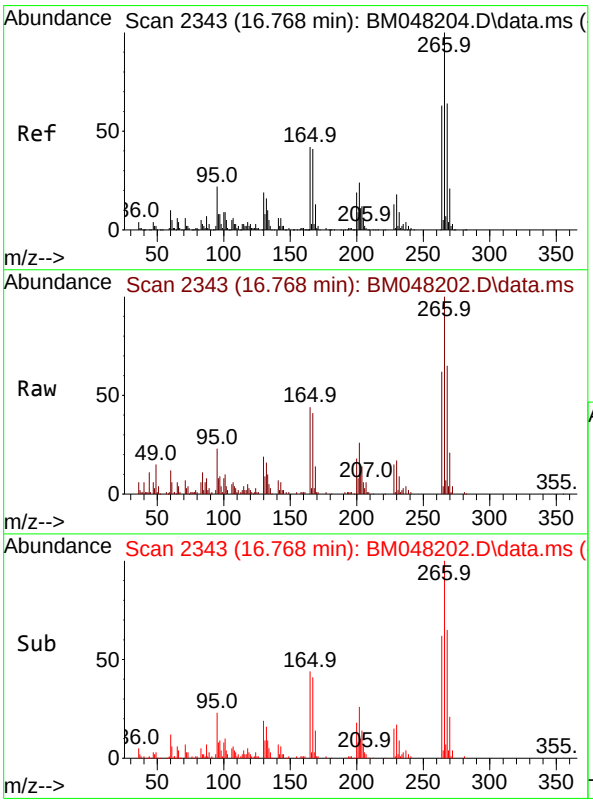
Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.5	46.5
215	49.7	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

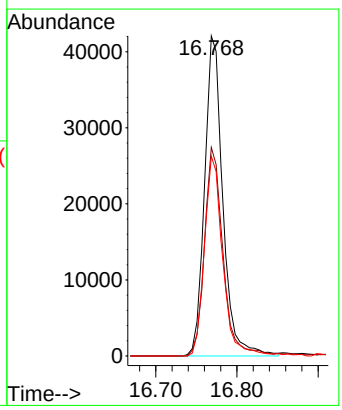


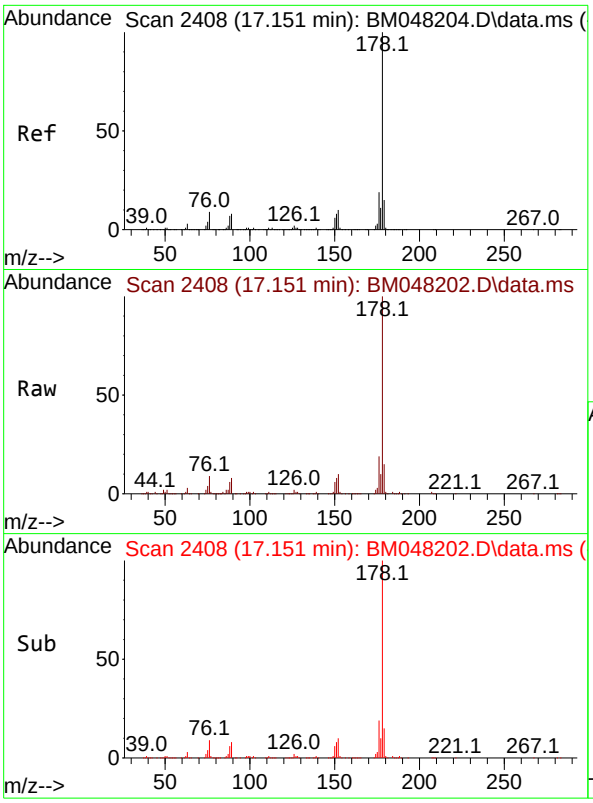


#70
Pentachlorophenol
Concen: 9.400 ng
RT: 16.768 min Scan# 2343
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:266 Resp: 65591

Ion	Ratio	Lower	Upper
266	100		
268	65.1	50.8	76.2
264	62.4	50.2	75.2

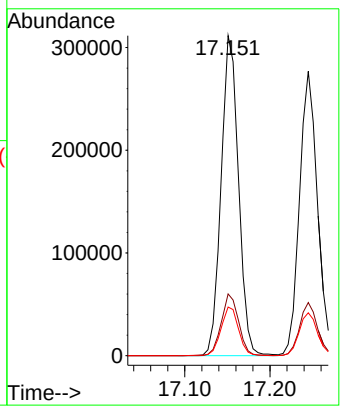




#71
Phenanthrene
Concen: 10.217 ng
RT: 17.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:178 Resp: 44155

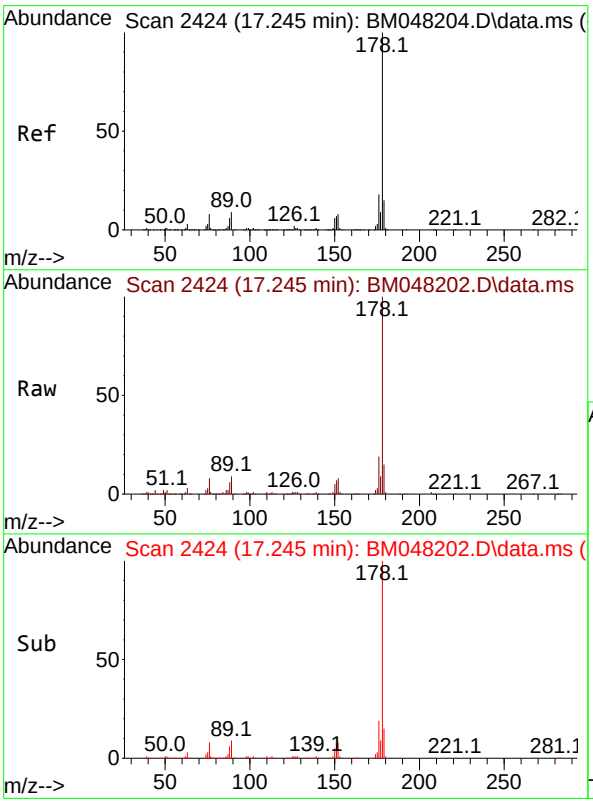
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.2	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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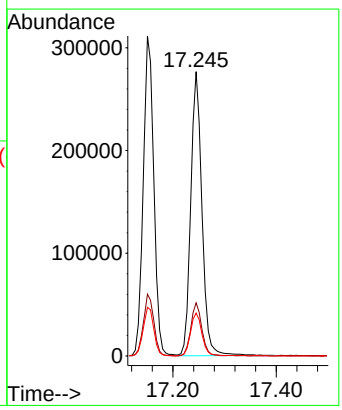
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

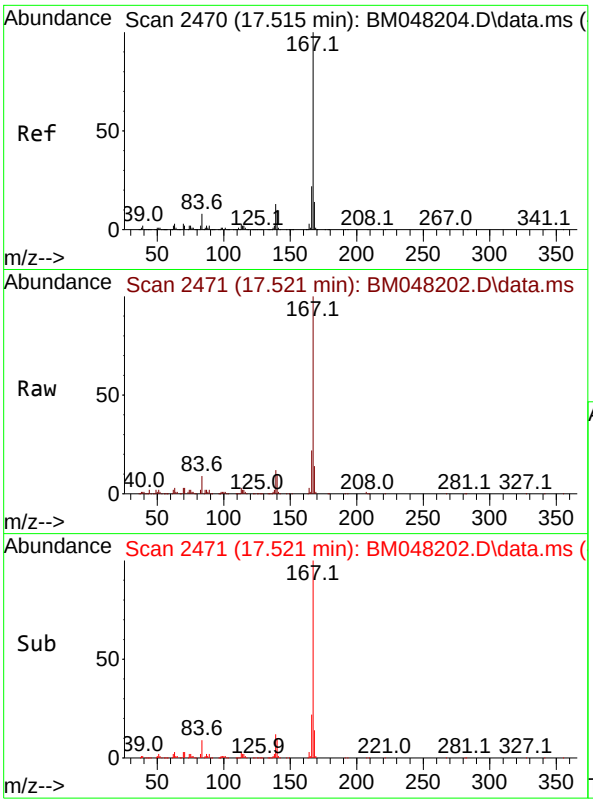


#72
Anthracene
Concen: 9.930 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:178 Resp: 415460

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.1	12.2	18.2





#73
Carbazole
Concen: 9.824 ng
RT: 17.521 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

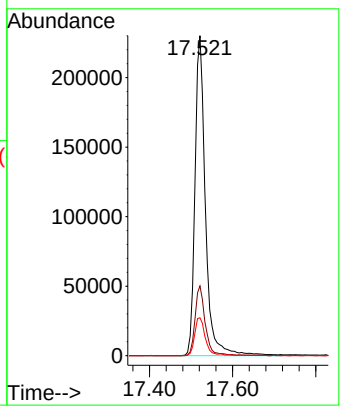
Tgt Ion:167 Resp: 40290

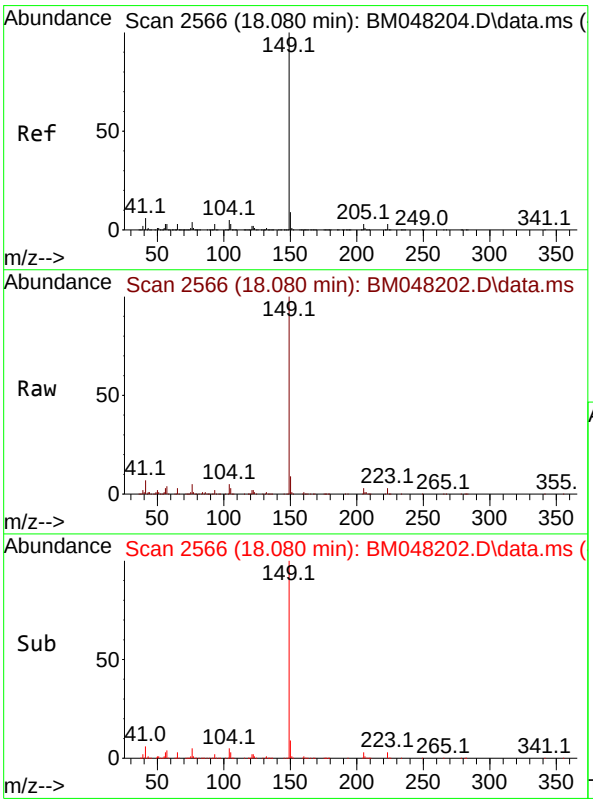
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	11.9	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

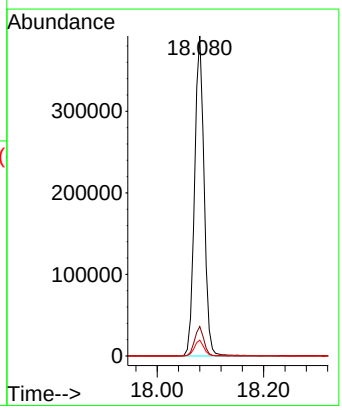


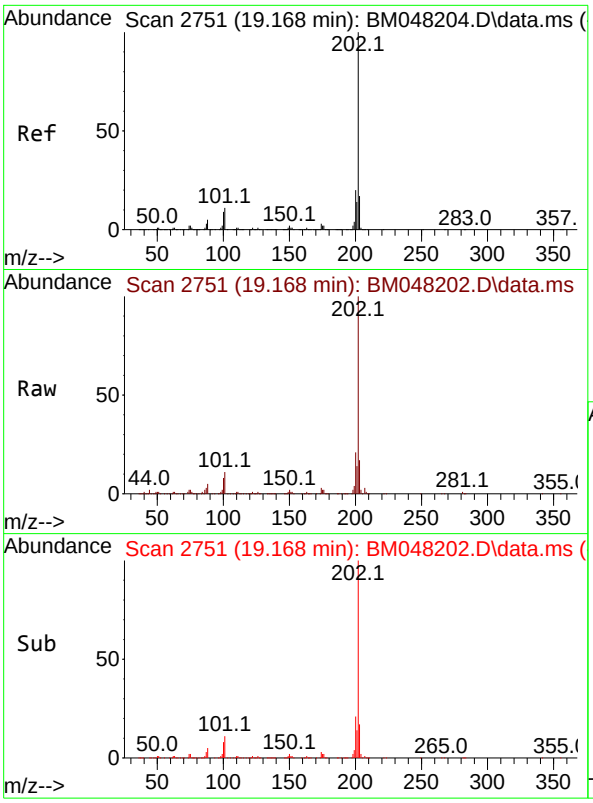


#74
Di-n-butylphthalate
Concen: 9.524 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:149 Resp: 486204

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.0	3.8	5.6

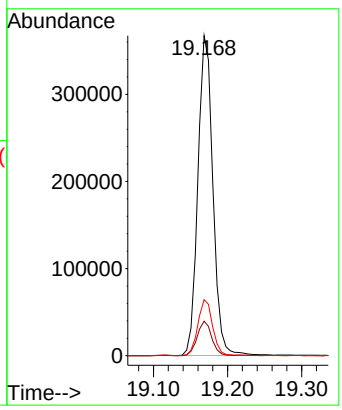




#75
Fluoranthene
Concen: 10.031 ng
RT: 19.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:202 Resp: 51715

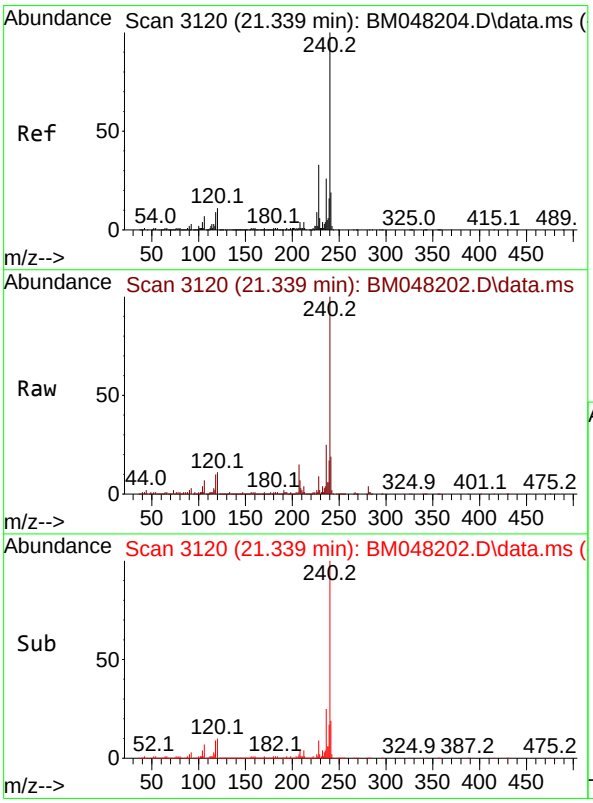
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	17.5	0.0	37.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

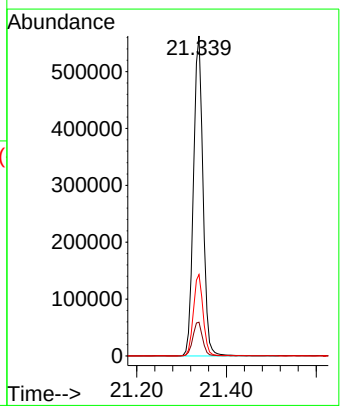
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

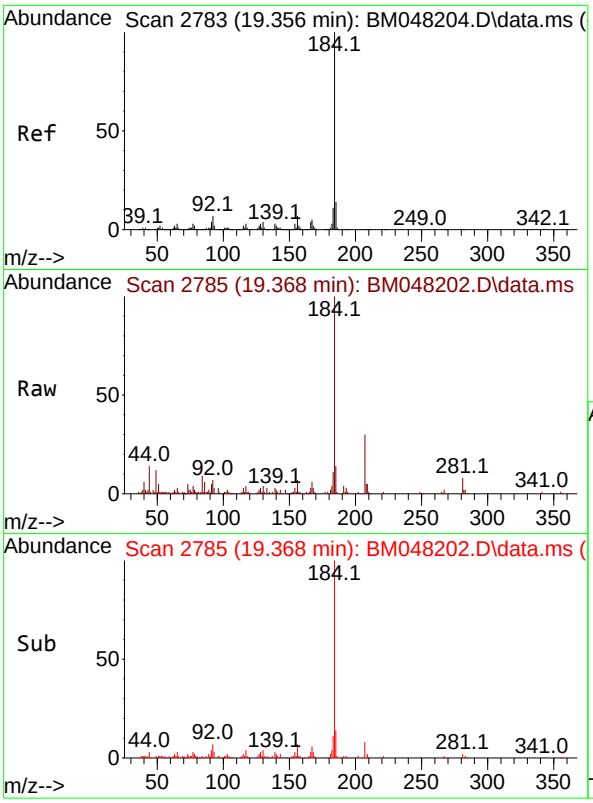


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:240 Resp: 829636

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	25.4	20.7	31.1

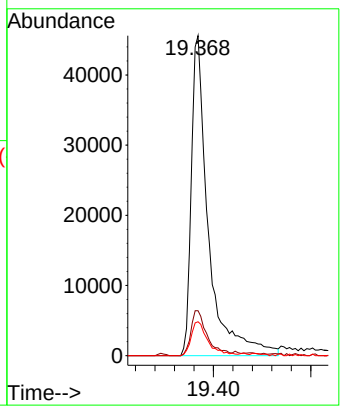




#77
Benzidine
Concen: 11.646 ng
RT: 19.368 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:184 Resp: 11151

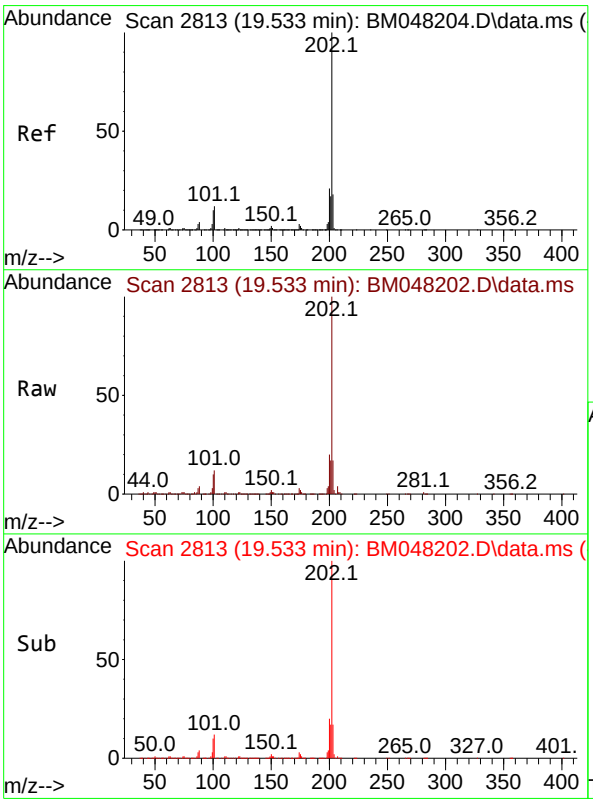
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	10.6	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

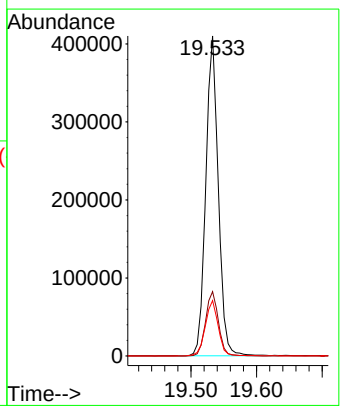
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

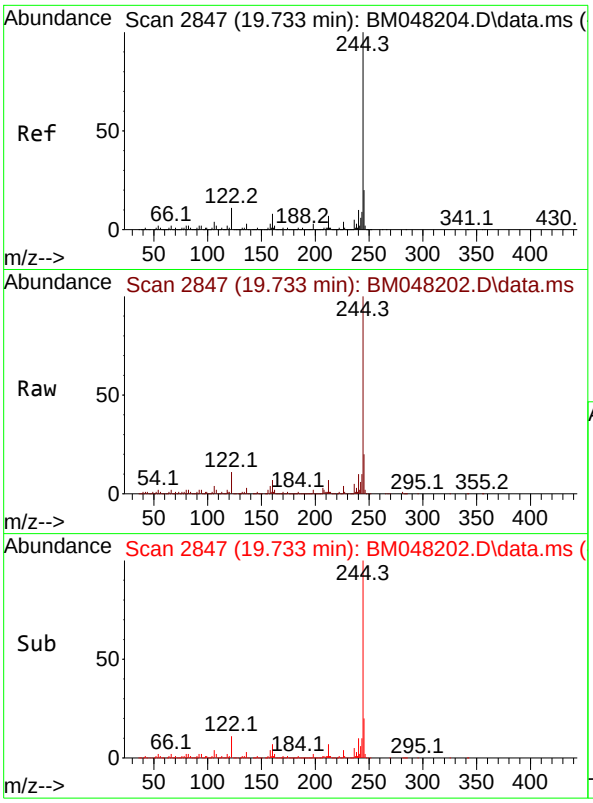


#78
Pyrene
Concen: 9.803 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:202 Resp: 544382

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.9	25.3
203	17.3	14.1	21.1

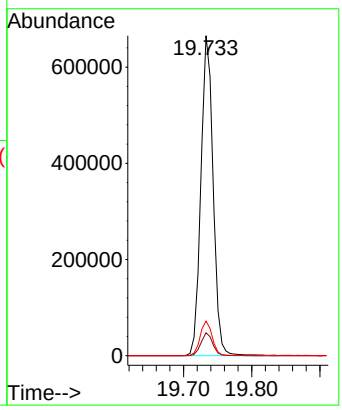




#79
Terphenyl-d14
Concen: 20.466 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:244 Resp: 83202

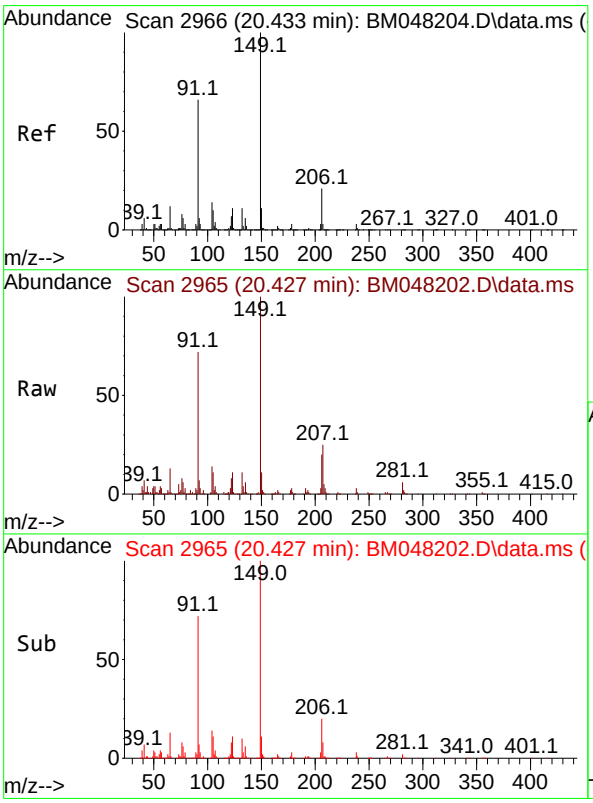
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.8	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

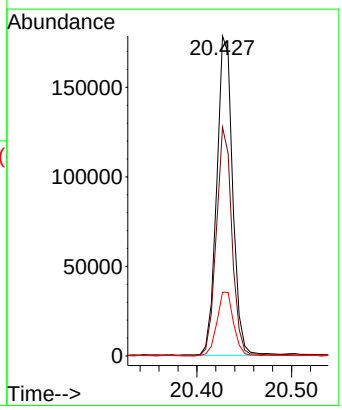
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

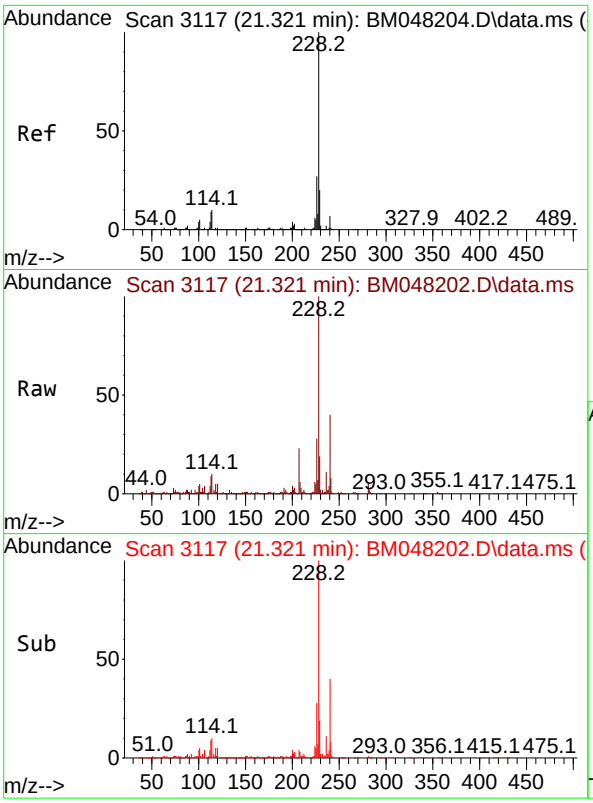


#80
Butylbenzylphthalate
Concen: 8.977 ng
RT: 20.427 min Scan# 2965
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:149 Resp: 208443

Ion	Ratio	Lower	Upper
149	100		
91	71.5	52.5	78.7
206	19.9	17.0	25.6

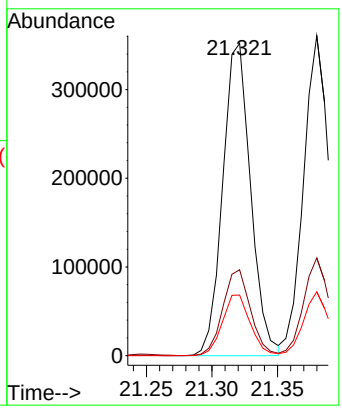




#81
Benzo(a)anthracene
Concen: 9.844 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:228 Resp: 52187

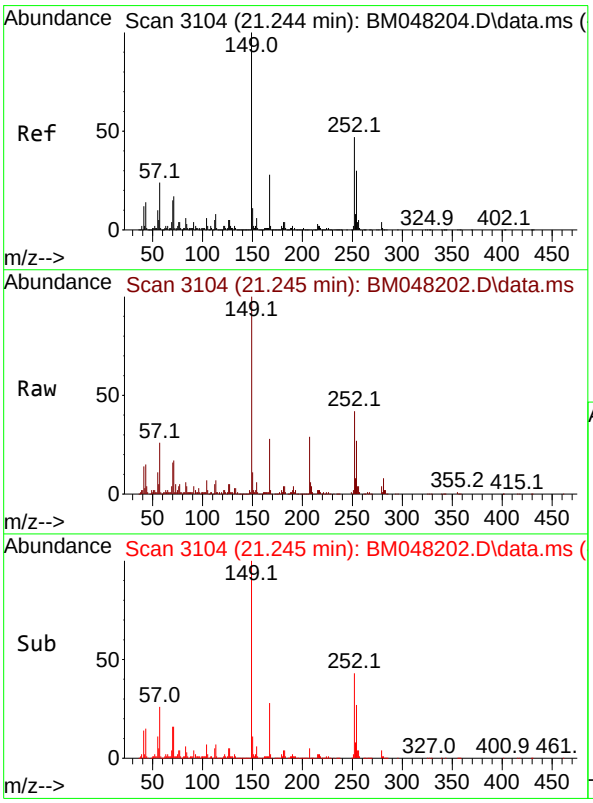
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.5	32.3
229	19.4	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

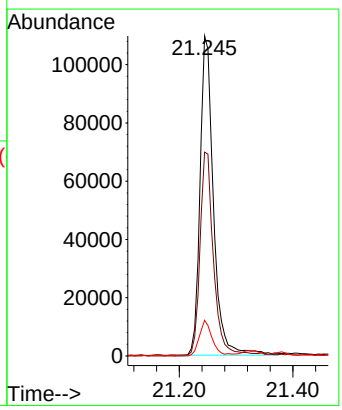
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

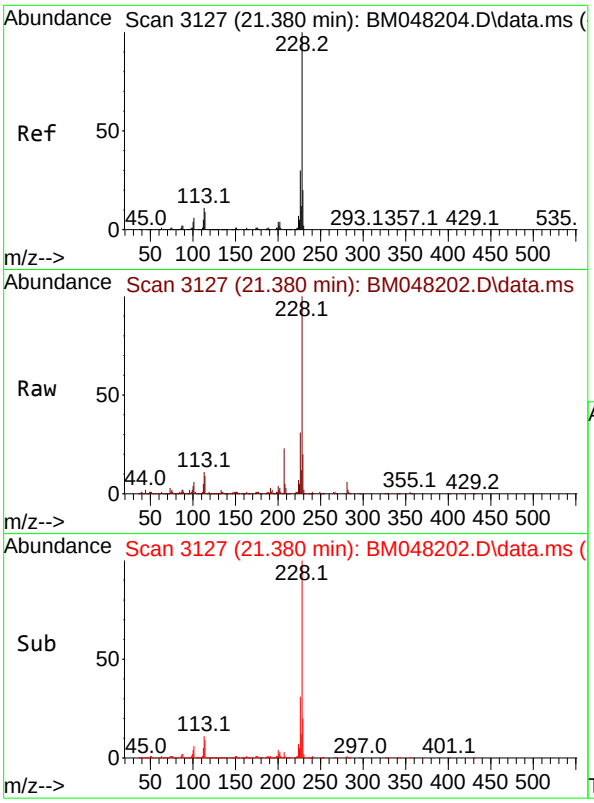


#82
3,3'-Dichlorobenzidine
Concen: 9.928 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:252 Resp: 180293

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.8	77.8
126	11.1	8.8	13.2





#83
Chrysene
Concen: 9.975 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

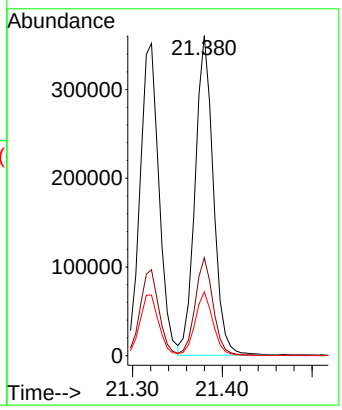
Tgt Ion:228 Resp: 50760

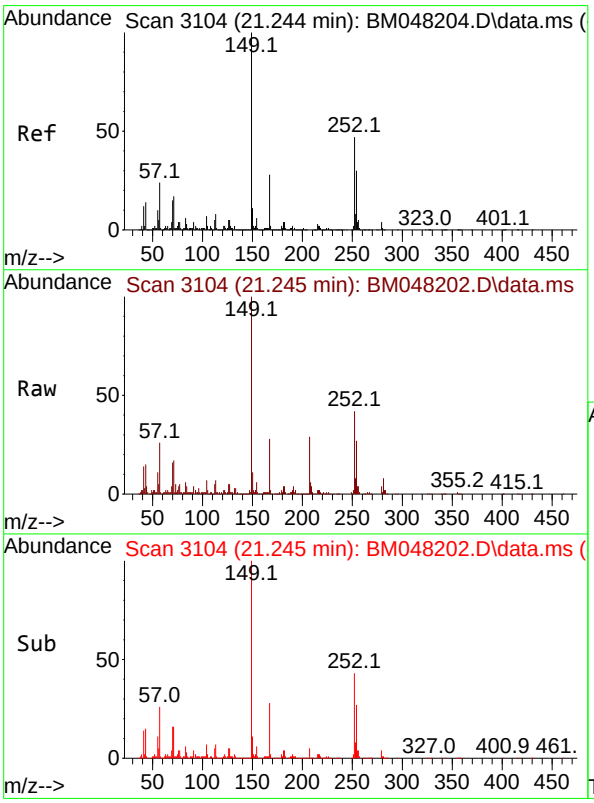
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.5	35.3
229	19.9	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

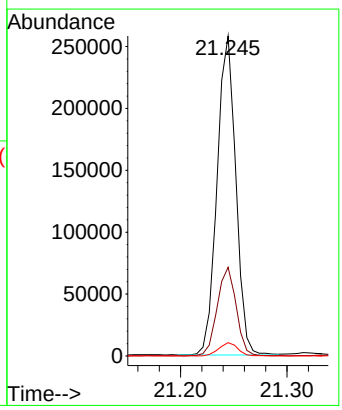


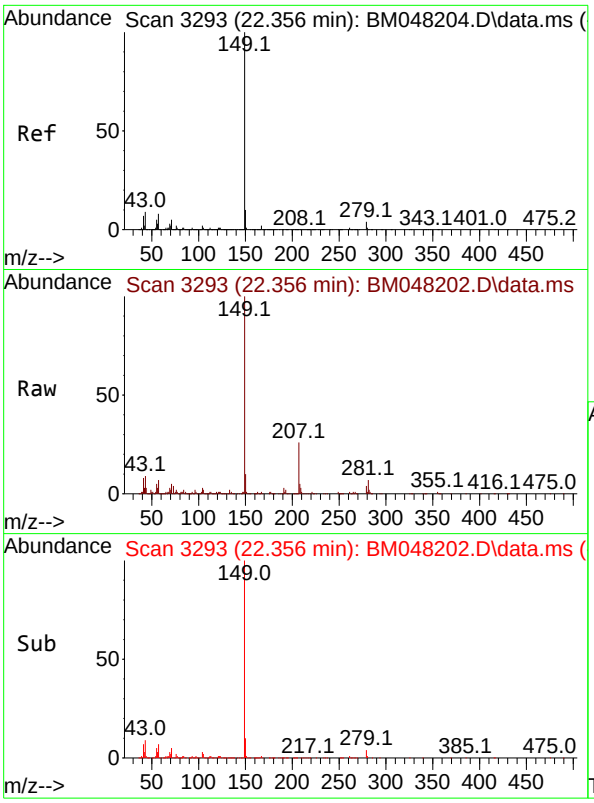


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.315 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:149 Resp: 314375

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.2	3.3	4.9

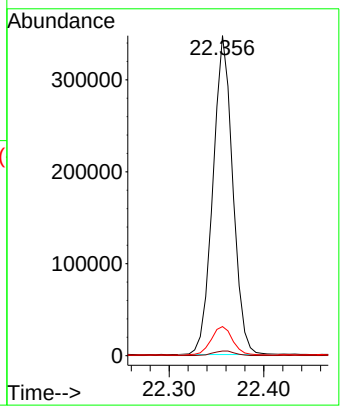




#85
Di-n-octyl phthalate
Concen: 8.659 ng
RT: 22.356 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:149 Resp: 50615

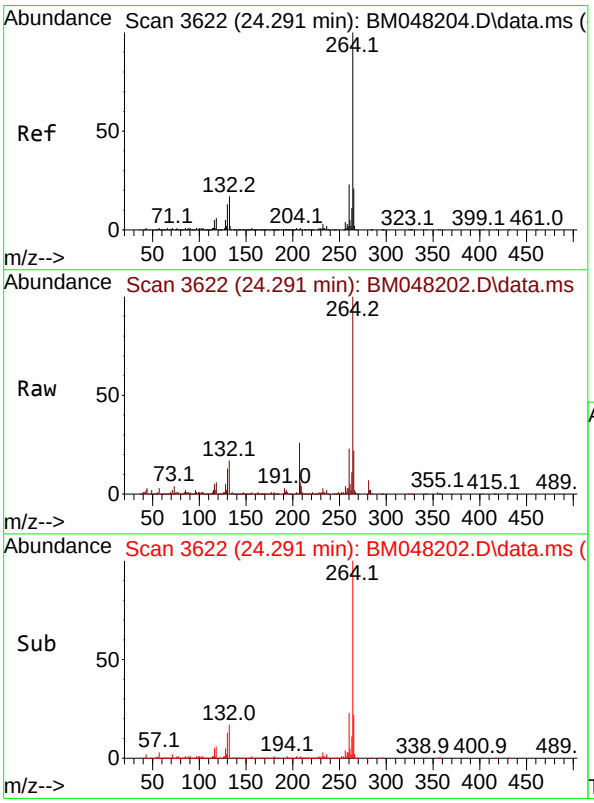
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.6	7.3	10.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

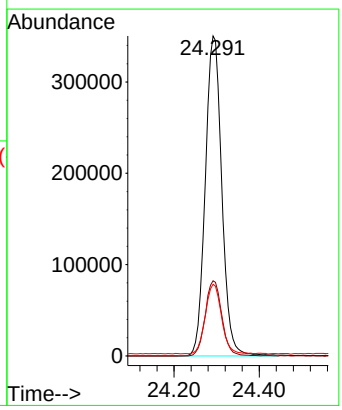
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

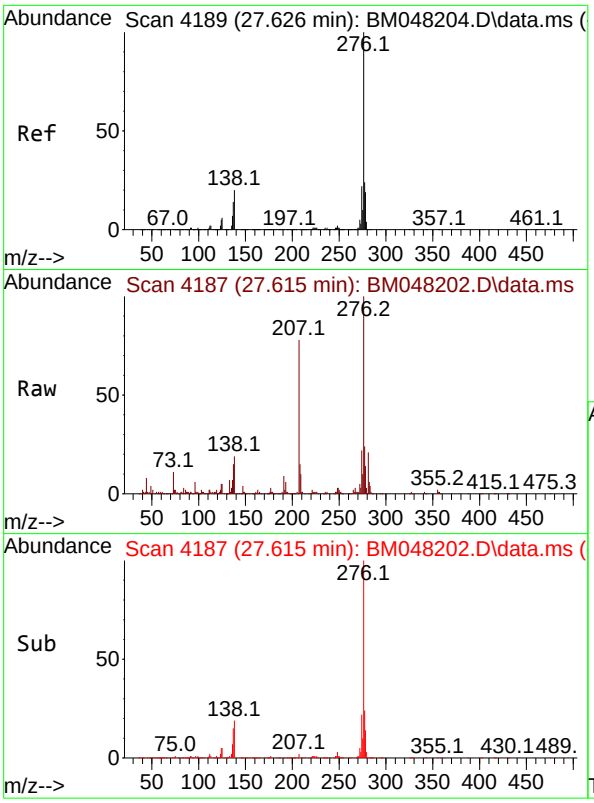


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:264 Resp: 941862

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	22.4	17.4	26.2

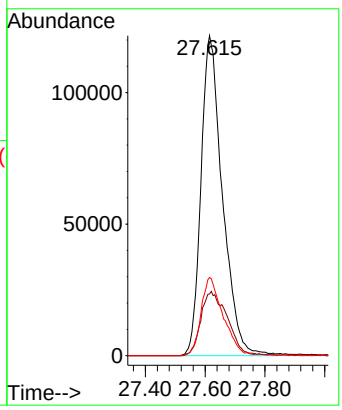




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.737 ng
RT: 27.615 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:276 Resp: 60645

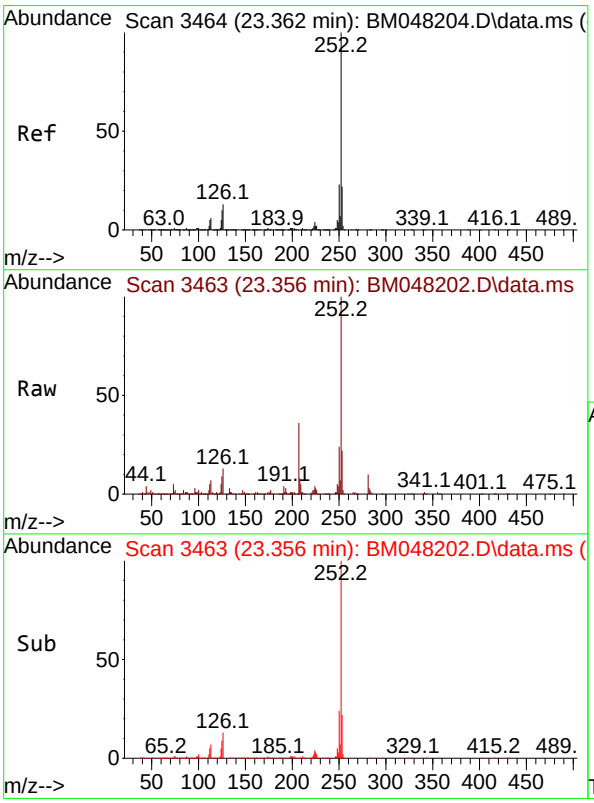
Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	24.9	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

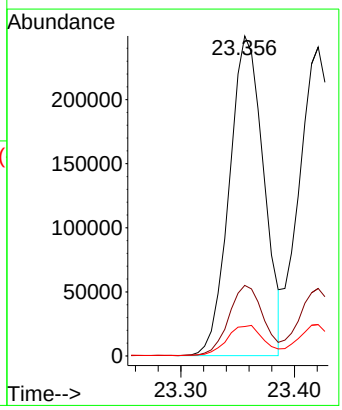
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

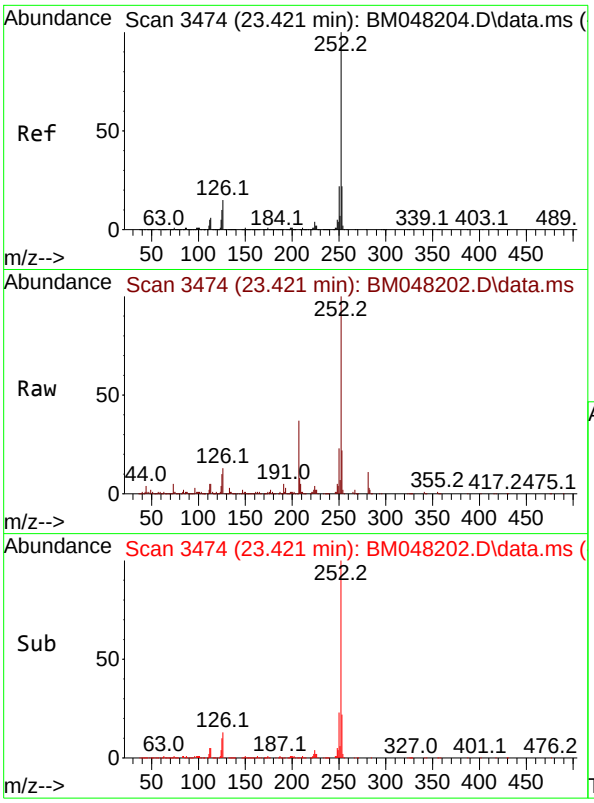


#88
Benzo(b)fluoranthene
Concen: 9.702 ng
RT: 23.356 min Scan# 3463
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:252 Resp: 523956

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	9.2	7.9	11.9

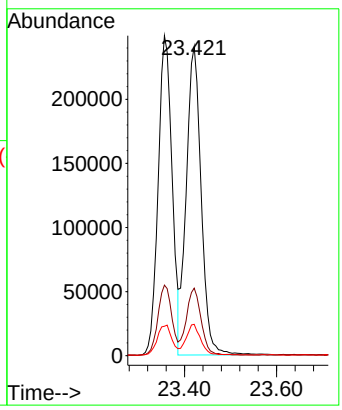




#89
Benzo(k)fluoranthene
Concen: 10.335 ng
RT: 23.421 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:252 Resp: 539599

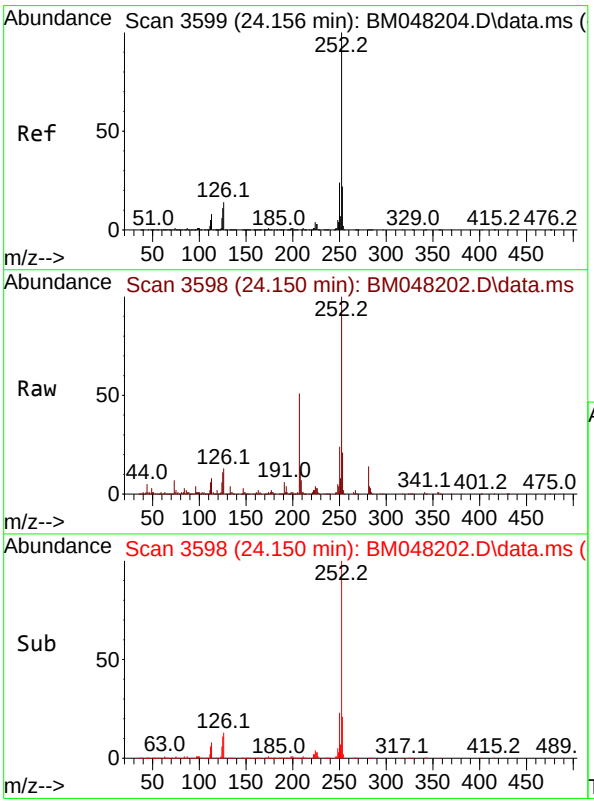
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.2	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

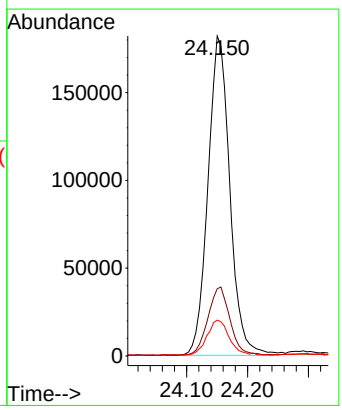
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

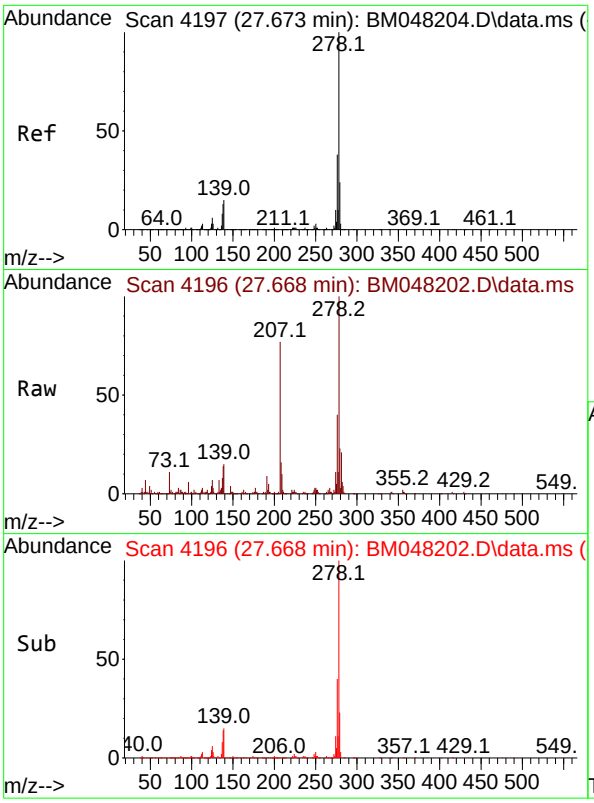


#90
Benzo(a)pyrene
Concen: 9.675 ng
RT: 24.150 min Scan# 3598
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:252 Resp: 454217

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	11.2	8.8	13.2

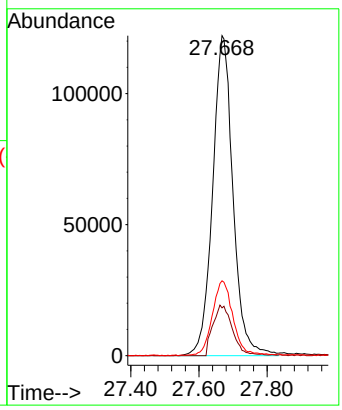




#91
Dibenzo(a,h)anthracene
Concen: 9.755 ng
RT: 27.668 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:278 Resp: 50596

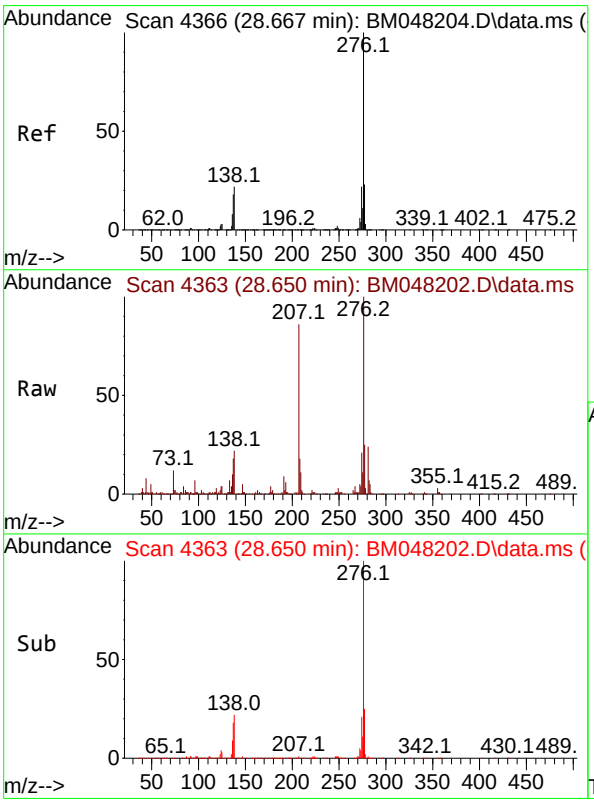
Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	23.4	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

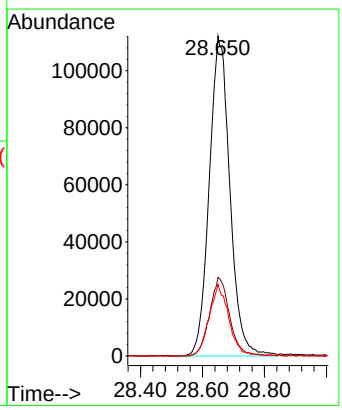
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 9.747 ng
RT: 28.650 min Scan# 4363
Delta R.T. -0.017 min
Lab File: BM048202.D
Acq: 23 Oct 2024 13:45

Tgt Ion:276 Resp: 517660

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	22.3	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048203.D
Acq On : 23 Oct 2024 14:24
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Oct 23 17:59:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	163543	20.000	ng		0.00
21) Naphthalene-d8	10.516	136	663962	20.000	ng		0.00
39) Acenaphthene-d10	14.368	164	430231	20.000	ng		0.00
64) Phenanthrene-d10	17.110	188	872821	20.000	ng		0.00
76) Chrysene-d12	21.339	240	831722	20.000	ng		0.00
86) Perylene-d12	24.291	264	953712	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.310	112	391792	40.270	ng		0.00
7) Phenol-d6	6.904	99	516086	40.731	ng		0.00
23) Nitrobenzene-d5	8.881	82	480876	40.893	ng		0.00
42) 2,4,6-Tribromophenol	15.857	330	216558	41.123	ng		0.00
45) 2-Fluorobiphenyl	12.986	172	1151087	41.056	ng		0.00
79) Terphenyl-d14	19.733	244	1671158	41.004	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	83049	20.853	ng		99
3) Pyridine	3.610	79	218808	20.717	ng		99
4) n-Nitrosodimethylamine	3.516	42	92593	20.613	ng	#	99
6) Aniline	7.051	93	224087	21.306	ng		99
8) 2-Chlorophenol	7.292	128	212894	20.141	ng		97
9) Benzaldehyde	6.869	77	135752	21.771	ng		99
10) Phenol	6.928	94	259012	20.318	ng		99
11) bis(2-Chloroethyl)ether	7.151	93	202844	19.977	ng		98
12) 1,3-Dichlorobenzene	7.610	146	247966	20.348	ng		100
13) 1,4-Dichlorobenzene	7.757	146	250886	20.265	ng		99
14) 1,2-Dichlorobenzene	8.075	146	244843	20.463	ng		99
15) Benzyl Alcohol	7.969	79	165295	20.448	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	306716	20.652	ng		98
17) 2-Methylphenol	8.175	107	175897	20.765	ng		97
18) Hexachloroethane	8.798	117	90926	20.038	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	165882	20.694	ng		98
20) 3+4-Methylphenols	8.504	107	237552	20.244	ng		100
22) Acetophenone	8.545	105	335566	20.708	ng	#	98
24) Nitrobenzene	8.922	77	249153	20.449	ng		98
25) Isophorone	9.451	82	441124	20.465	ng		100
26) 2-Nitrophenol	9.634	139	112285	19.960	ng		99
27) 2,4-Dimethylphenol	9.698	122	139269	20.405	ng		97
28) bis(2-Chloroethoxy)met...	9.933	93	280491	20.564	ng		99
29) 2,4-Dichlorophenol	10.175	162	199457	20.315	ng		99
30) 1,2,4-Trichlorobenzene	10.381	180	229359	20.397	ng		99
31) Naphthalene	10.563	128	706998	20.416	ng		100
32) Benzoic acid	9.828	122	141019	18.482	ng		96
33) 4-Chloroaniline	10.681	127	243468	21.678	ng		98
34) Hexachlorobutadiene	10.851	225	142677	20.472	ng		98
35) Caprolactam	11.463	113	64171	20.152	ng		95
36) 4-Chloro-3-methylphenol	11.816	107	211180	20.604	ng		98
37) 2-Methylnaphthalene	12.180	142	477359	20.632	ng		100
38) 1-Methylnaphthalene	12.398	142	469594	20.468	ng		100
40) 1,2,4,5-Tetrachloroben...	12.557	216	246113	20.014	ng		100
41) Hexachlorocyclopentadiene	12.533	237	83794	20.137	ng		95
43) 2,4,6-Trichlorophenol	12.798	196	164275	20.130	ng		99

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QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	180710	19.858	ng	99
46) 1,1'-Biphenyl	13.198	154	625359	20.359	ng	99
47) 2-Chloronaphthalene	13.239	162	490101	20.236	ng	100
48) 2-Nitroaniline	13.451	65	132988	20.245	ng	99
49) Acenaphthylene	14.086	152	720324	20.385	ng	100
50) Dimethylphthalate	13.827	163	594533	20.243	ng	99
51) 2,6-Dinitrotoluene	13.945	165	134381	20.506	ng	95
52) Acenaphthene	14.433	154	455064	20.268	ng	100
53) 3-Nitroaniline	14.280	138	128920	20.860	ng	100
54) 2,4-Dinitrophenol	14.492	184	70564	18.426	ng	94
55) Dibenzofuran	14.768	168	731916	20.519	ng	100
56) 4-Nitrophenol	14.604	139	105608	19.147	ng	96
57) 2,4-Dinitrotoluene	14.739	165	174635	20.180	ng	95
58) Fluorene	15.415	166	592645	21.011	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	152570	20.227	ng	99
60) Diethylphthalate	15.192	149	601000	20.210	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	294795	20.903	ng	99
62) 4-Nitroaniline	15.445	138	129195	20.199	ng	99
63) Azobenzene	15.704	77	553581	20.770	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	101271	19.997	ng	98
66) n-Nitrosodiphenylamine	15.627	169	492715	20.564	ng	100
67) 4-Bromophenyl-phenylether	16.304	248	177972	20.112	ng	99
68) Hexachlorobenzene	16.421	284	214037	20.138	ng	99
69) Atrazine	16.580	200	130564	19.475	ng	100
70) Pentachlorophenol	16.768	266	140690	20.162	ng	99
71) Phenanthrene	17.151	178	880045	20.362	ng	100
72) Anthracene	17.245	178	859916	20.553	ng	100
73) Carbazole	17.515	167	836432	20.394	ng	99
74) Di-n-butylphthalate	18.080	149	1015735	19.896	ng	99
75) Fluoranthene	19.168	202	1055856	20.480	ng	99
77) Benzidine	19.362	184	88633	9.234	ng	98
78) Pyrene	19.533	202	1107442	19.893	ng	99
80) Butylbenzylphthalate	20.433	149	450711	19.361	ng	100
81) Benzo(a)anthracene	21.321	228	1062270	19.987	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	367967	20.212	ng	98
83) Chrysene	21.380	228	1033136	20.251	ng	99
84) Bis(2-ethylhexyl)phtha...	21.245	149	676221	19.986	ng	99
85) Di-n-octyl phthalate	22.356	149	1128601	19.259	ng	99
87) Indeno(1,2,3-cd)pyrene	27.621	276	1280618	20.306	ng	100
88) Benzo(b)fluoranthene	23.362	252	1123950	20.554	ng	99
89) Benzo(k)fluoranthene	23.421	252	1057769	20.007	ng	99
90) Benzo(a)pyrene	24.156	252	960718	20.209	ng	100
91) Dibenzo(a,h)anthracene	27.674	278	1070024	20.374	ng	99
92) Benzo(g,h,i)perylene	28.656	276	1085482	20.184	ng	98

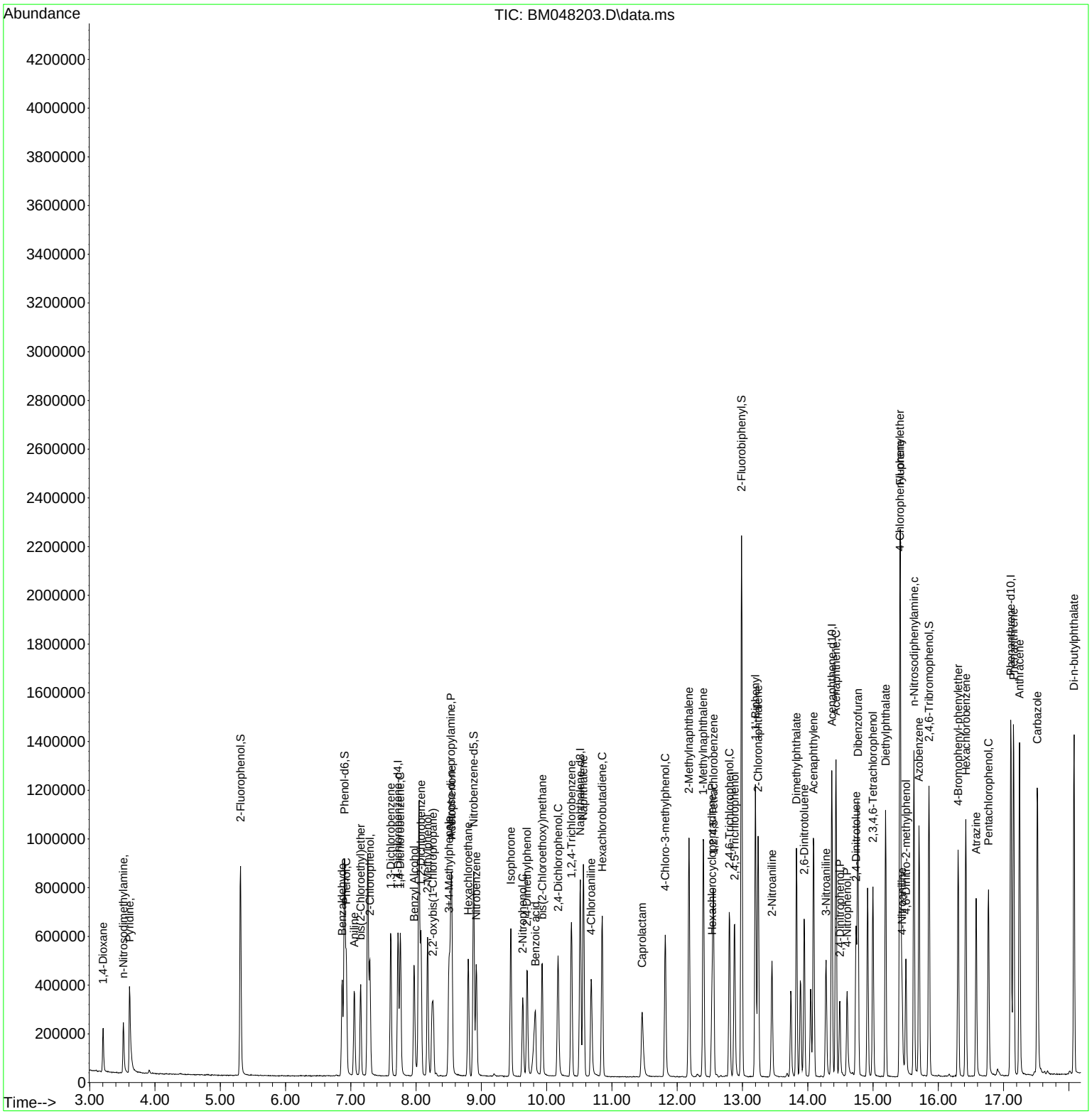
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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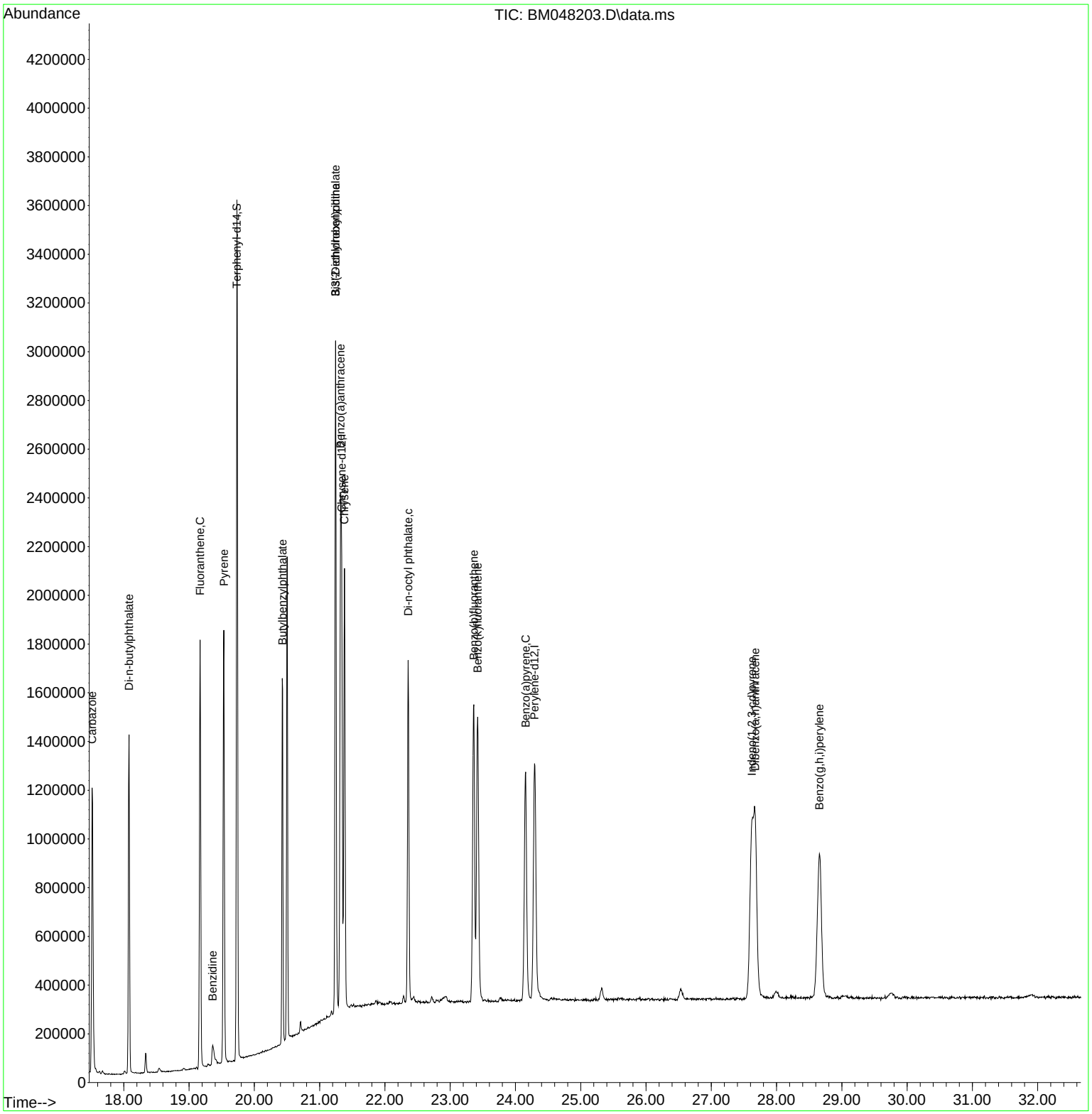


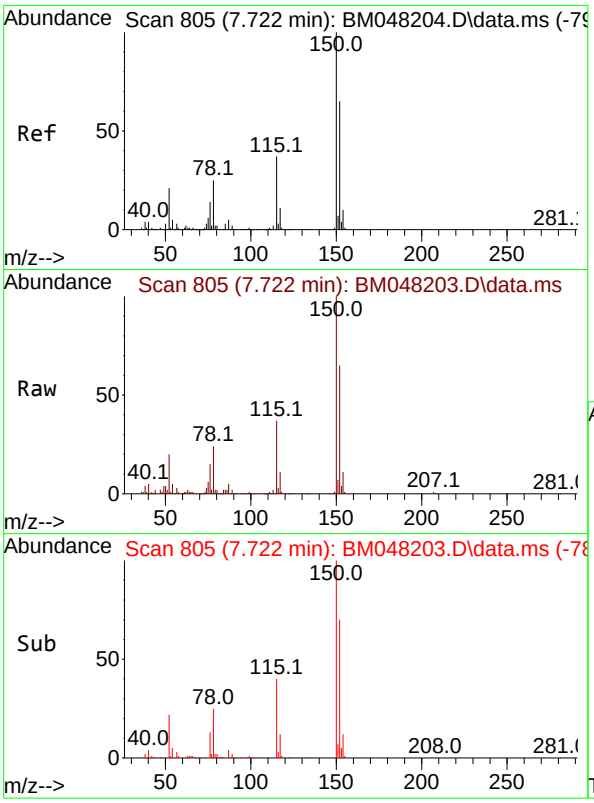
ICAL Form

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Data File : BM048203.D
Acq On : 23 Oct 2024 14:24
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Sample : SSTDICC020
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Instrument :
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Quant Time: Oct 23 17:59:05 2024
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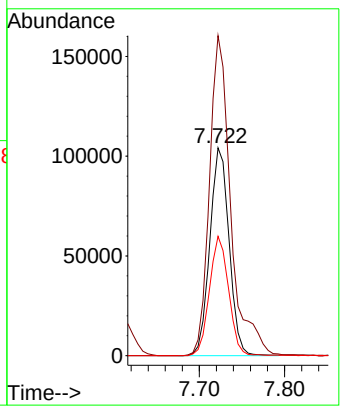


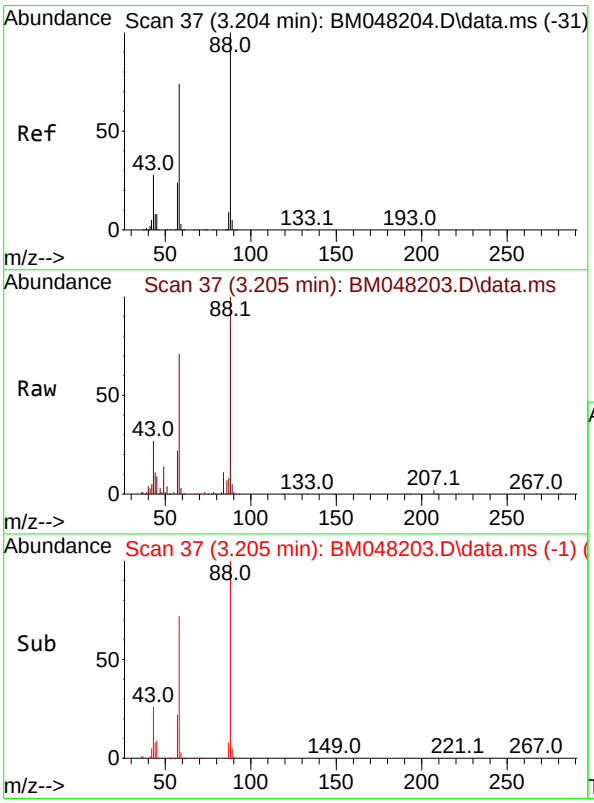
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 163543

Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.0	184.6
115	57.4	45.8	68.6

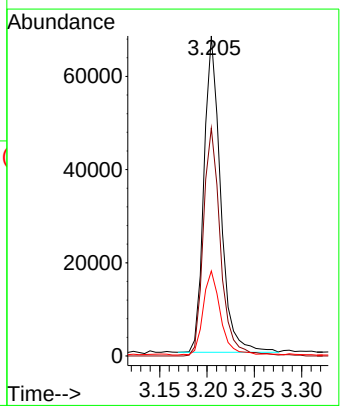


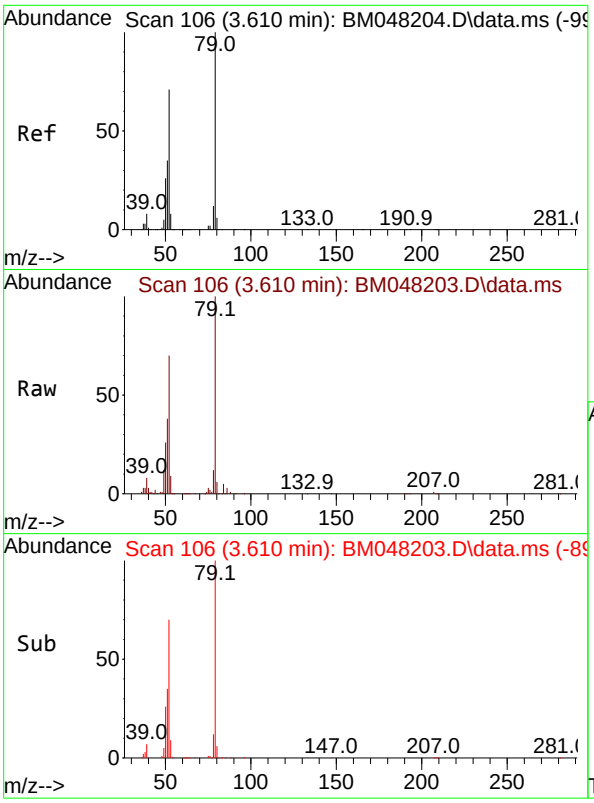


#2
1,4-Dioxane
Concen: 20.853 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 88 Resp: 83049

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.7	89.5
43	27.6	22.6	33.8



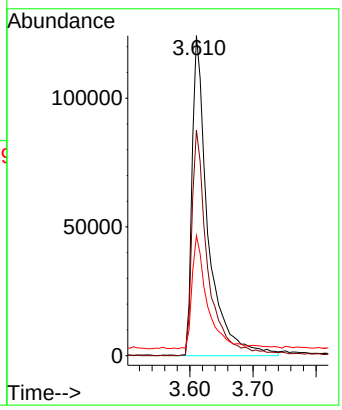


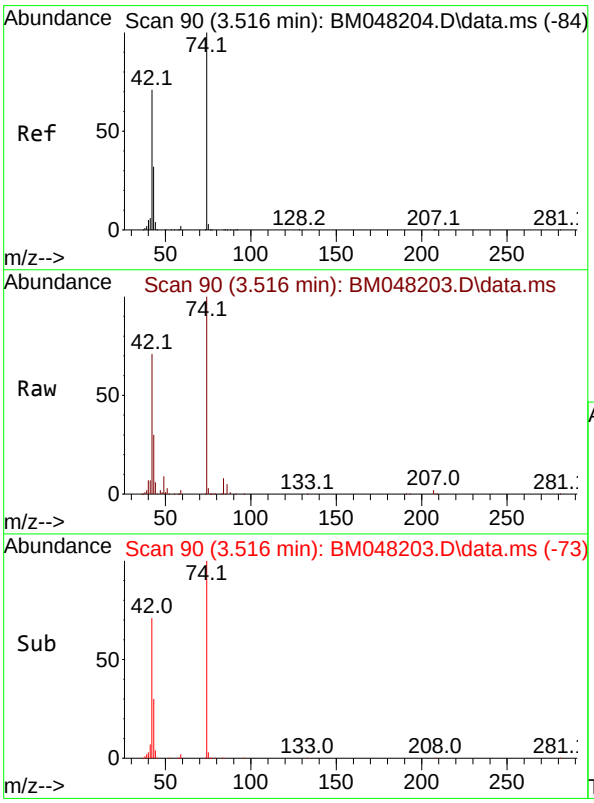
#3
Pyridine
Concen: 20.717 ng
RT: 3.610 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 218808

Ion	Ratio	Lower	Upper
79	100		
52	70.5	56.5	84.7
51	37.6	28.5	42.7

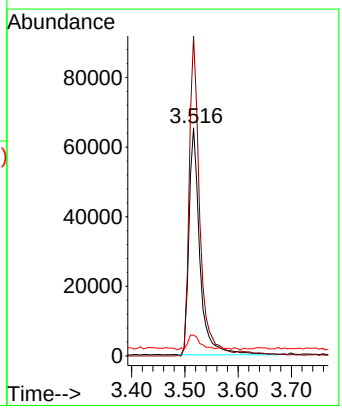


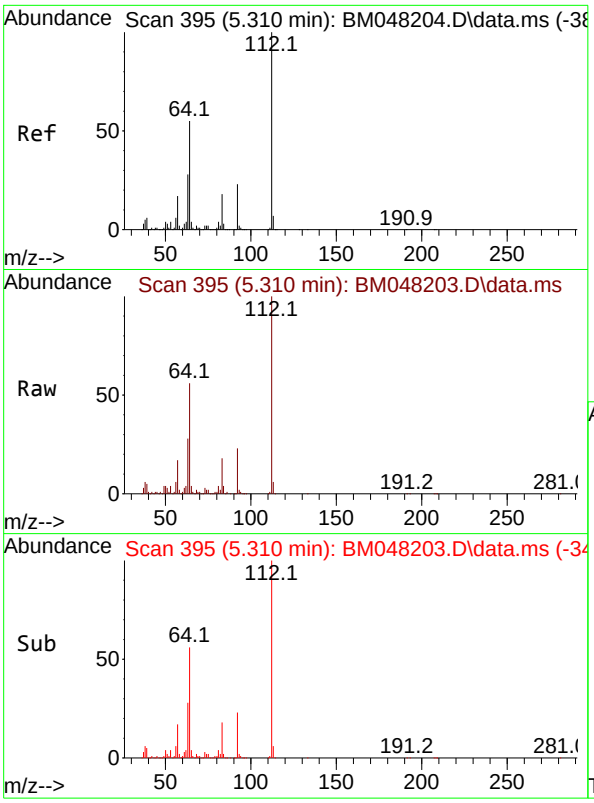


#4
n-Nitrosodimethylamine
Concen: 20.613 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 42 Resp: 92593

Ion	Ratio	Lower	Upper
42	100		
74	140.3	111.8	167.6
44	9.1	6.0	9.0#



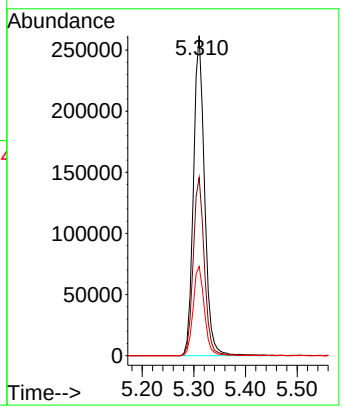


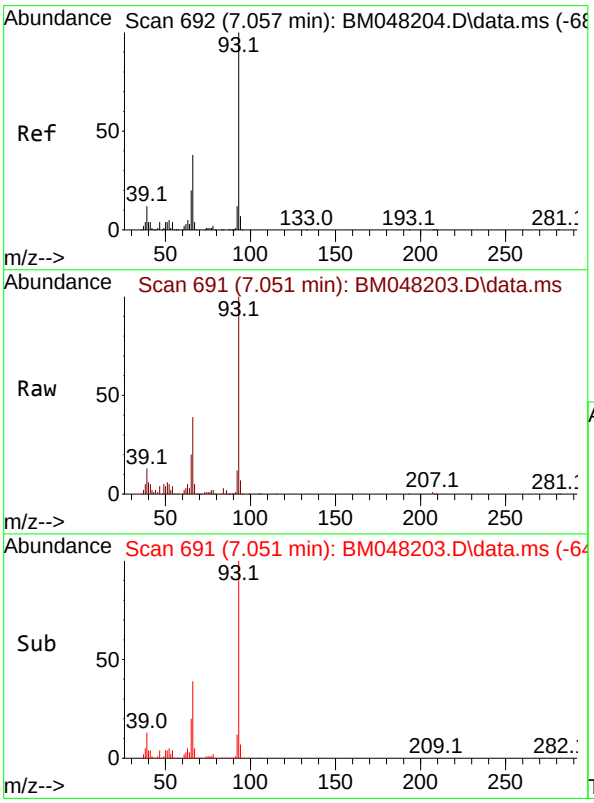
#5
2-Fluorophenol
Concen: 40.270 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 391792

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.2	66.2
63	27.9	22.7	34.1

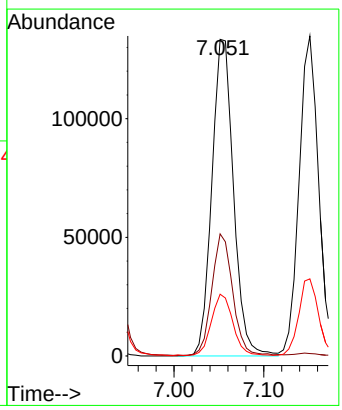


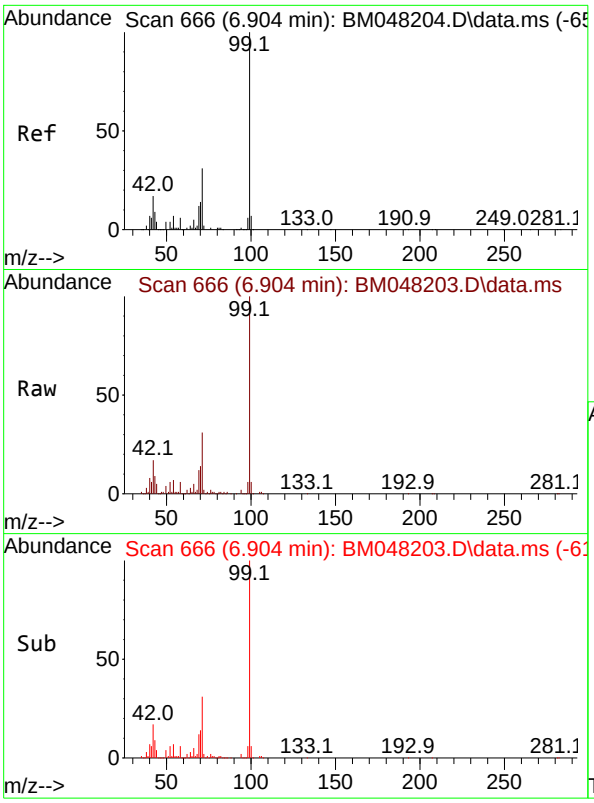


#6
Aniline
Concen: 21.306 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 93 Resp: 224087

Ion	Ratio	Lower	Upper
93	100		
66	38.5	30.2	45.2
65	19.5	16.2	24.2



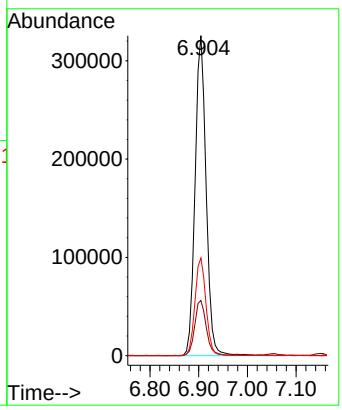


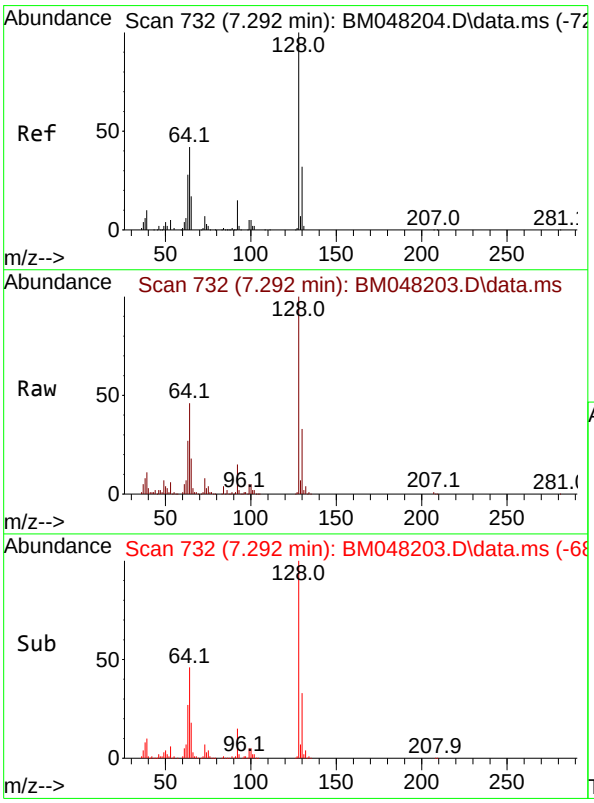
#7
Phenol-d6
Concen: 40.731 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
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SSTDICC020

Tgt Ion: 99 Resp: 516086

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.8	20.8
71	30.5	24.9	37.3

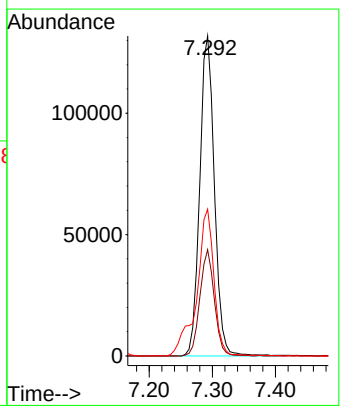


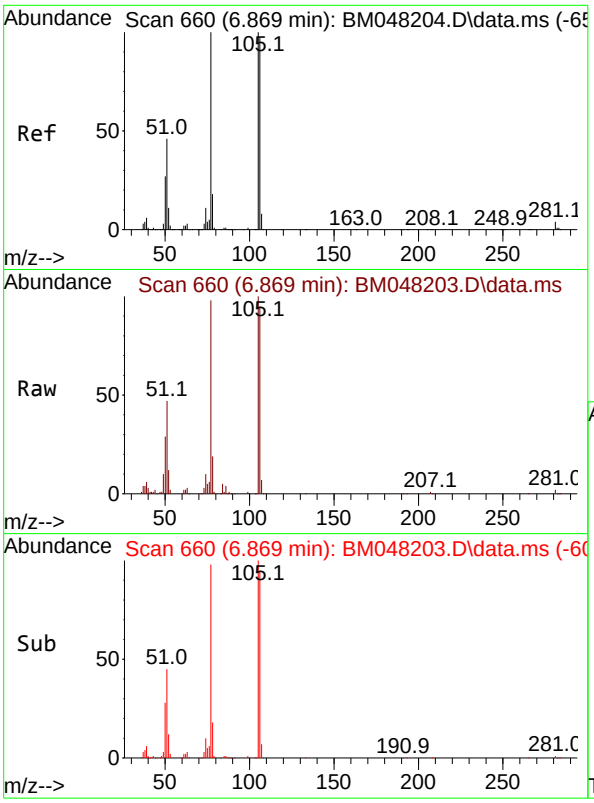


#8
2-Chlorophenol
Concen: 20.141 ng
RT: 7.292 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:128 Resp: 212894

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.1	52.1
64	45.9	23.8	63.8



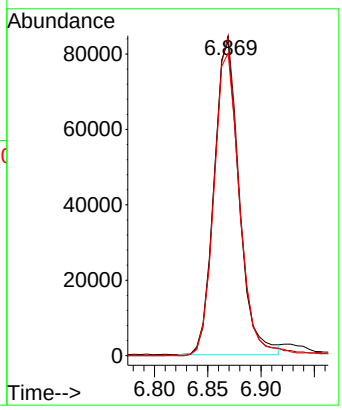


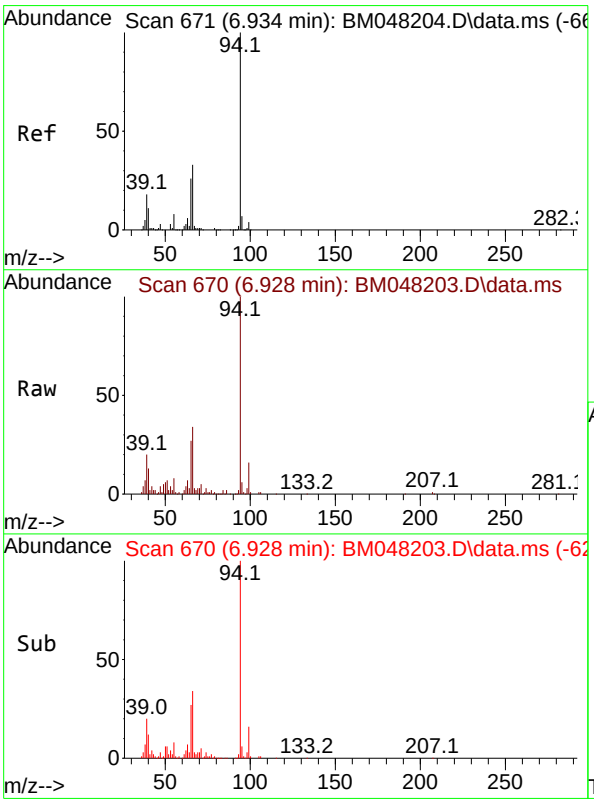
#9
Benzaldehyde
Concen: 21.771 ng
RT: 6.869 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 135752

Ion	Ratio	Lower	Upper
77	100		
105	101.8	79.6	119.6
106	96.3	77.0	117.0

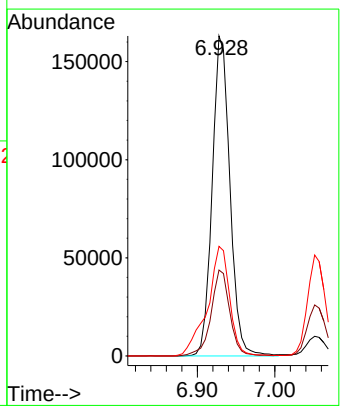


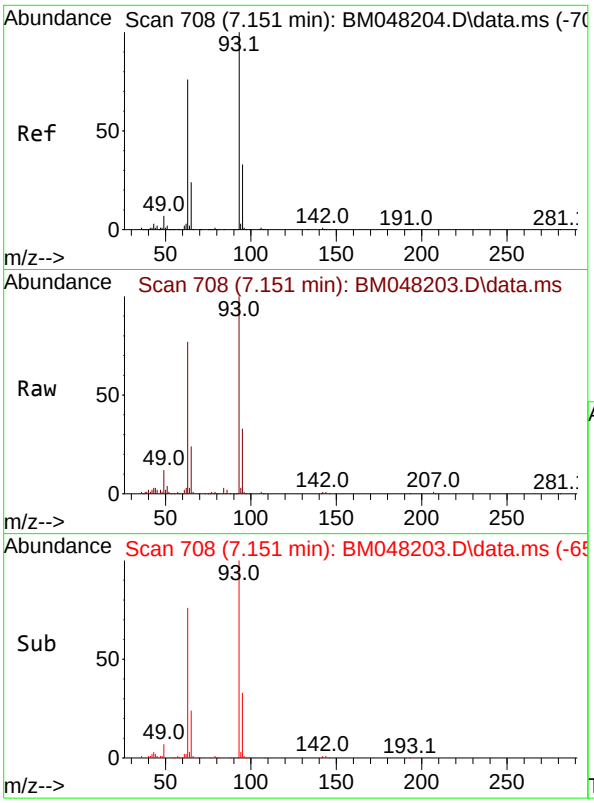


#10
Phenol
Concen: 20.318 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 94 Resp: 259012

Ion	Ratio	Lower	Upper
94	100		
65	26.9	6.5	46.5
66	34.3	13.6	53.6



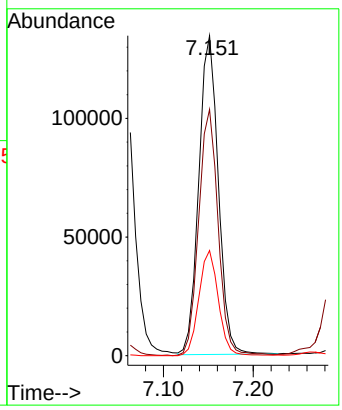


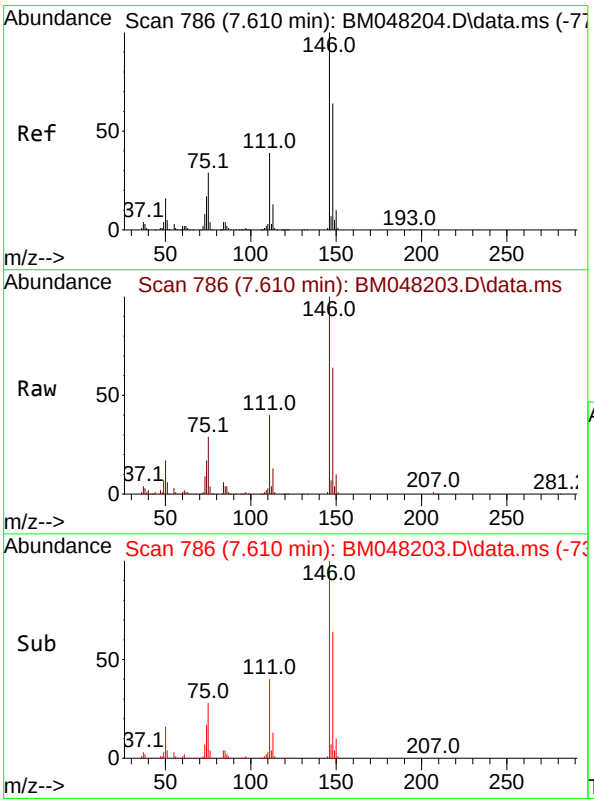
#11
bis(2-Chloroethyl)ether
Concen: 19.977 ng
RT: 7.151 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 202844

Ion	Ratio	Lower	Upper
93	100		
63	77.0	55.3	95.3
95	32.8	12.4	52.4

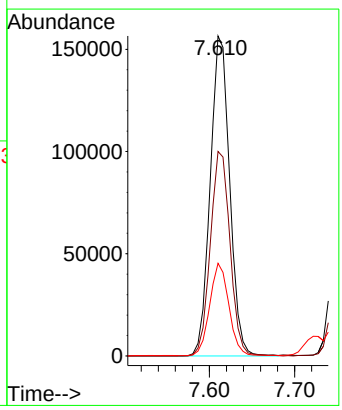


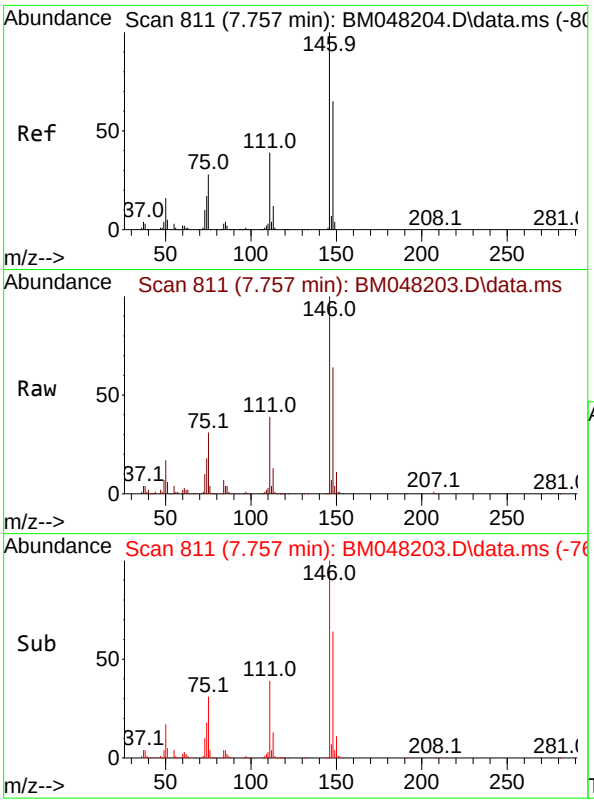


#12
1,3-Dichlorobenzene
Concen: 20.348 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:146 Resp: 247966

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
75	28.9	22.9	34.3



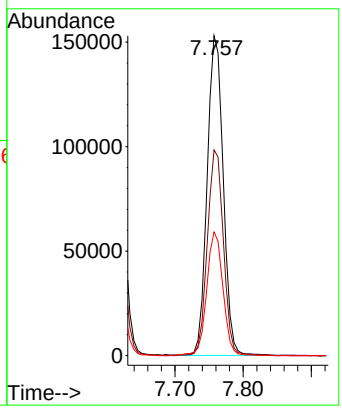


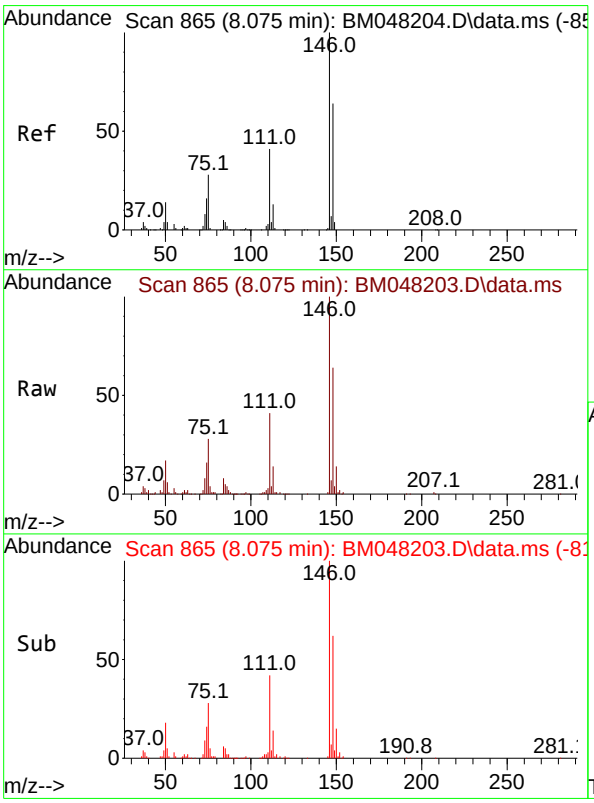
#13
1,4-Dichlorobenzene
Concen: 20.265 ng
RT: 7.757 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 250886

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.7	77.5
111	38.6	31.4	47.2

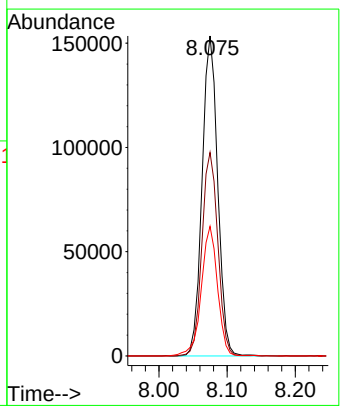


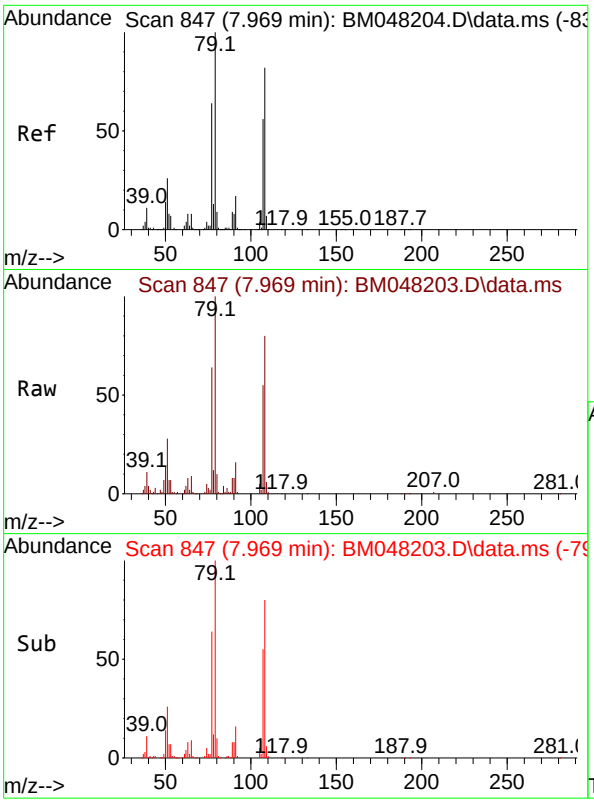


#14
1,2-Dichlorobenzene
Concen: 20.463 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:146 Resp: 244843

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
111	40.5	32.7	49.1



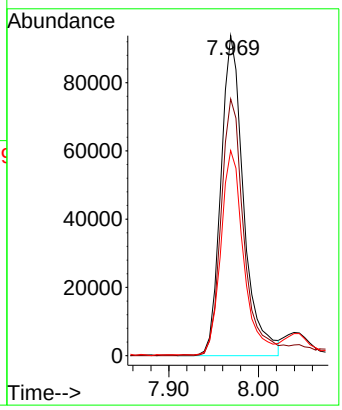


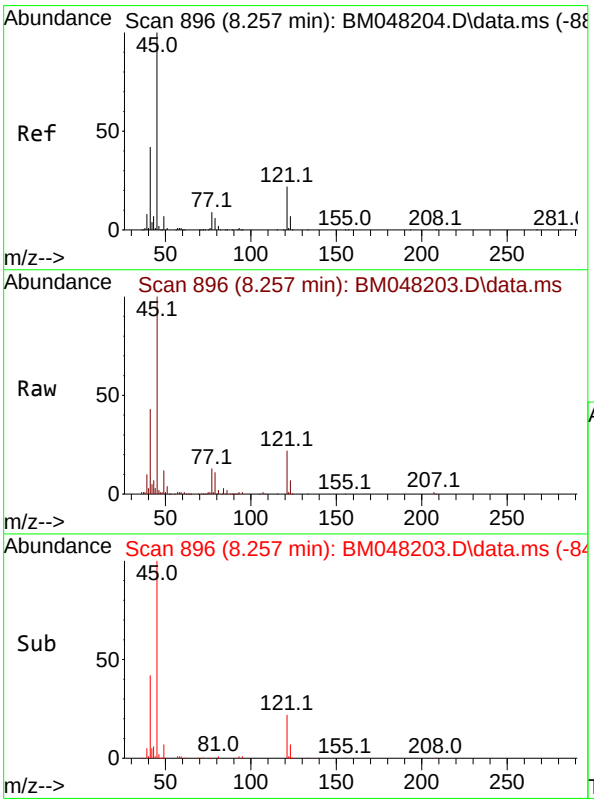
#15
Benzyl Alcohol
Concen: 20.448 ng
RT: 7.969 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 165295

Ion	Ratio	Lower	Upper
79	100		
108	80.3	65.2	97.8
77	64.1	51.4	77.2

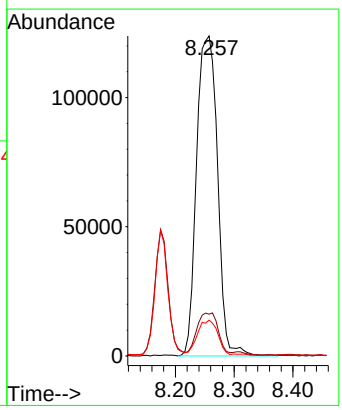


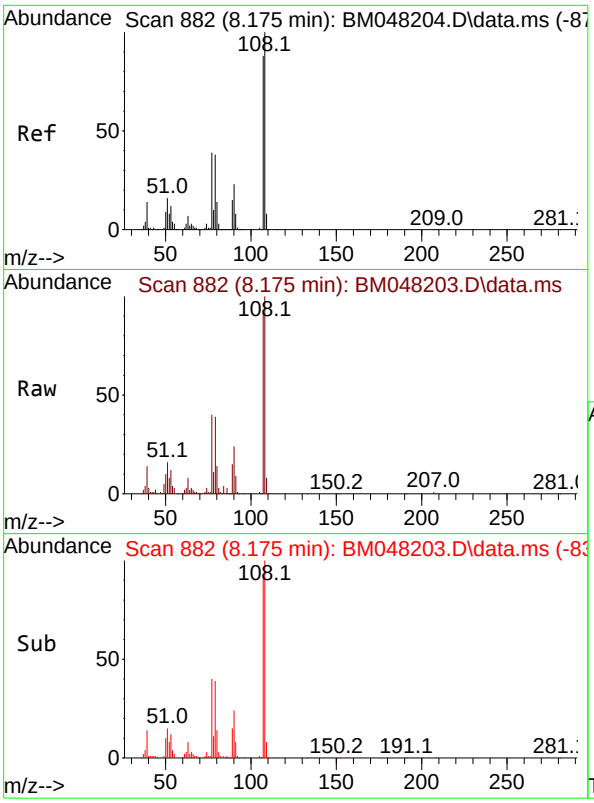


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.652 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 45 Resp: 306716

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	34.2
79	11.2	0.0	30.7



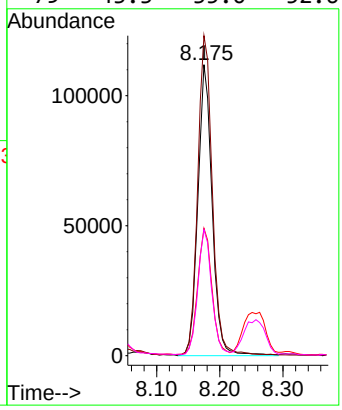


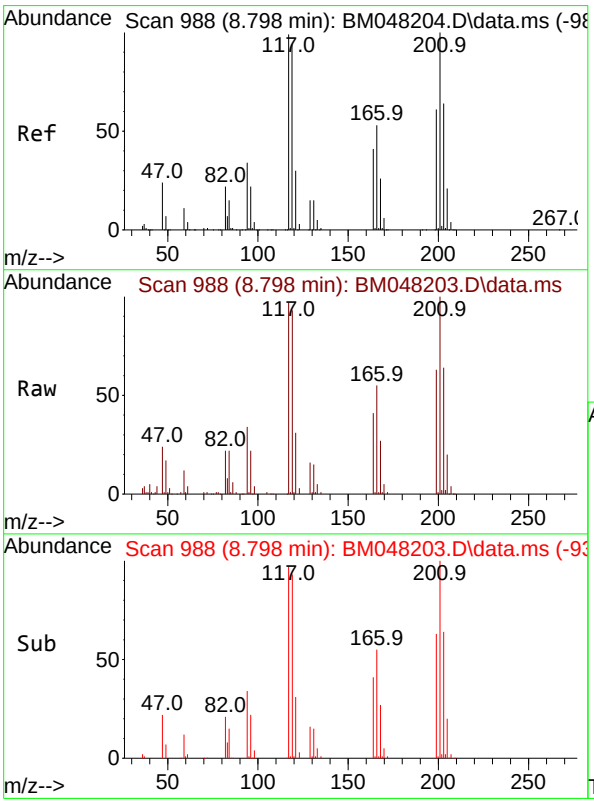
#17
2-Methylphenol
Concen: 20.765 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 175897

Ion	Ratio	Lower	Upper
107	100		
108	109.9	91.3	136.9
77	43.8	36.2	54.2
79	43.3	35.0	52.6

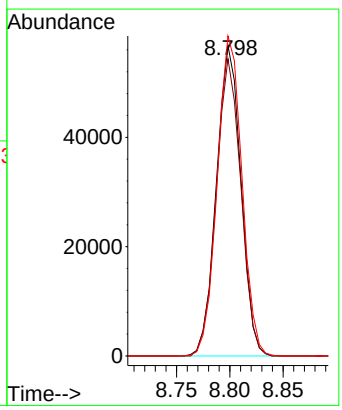


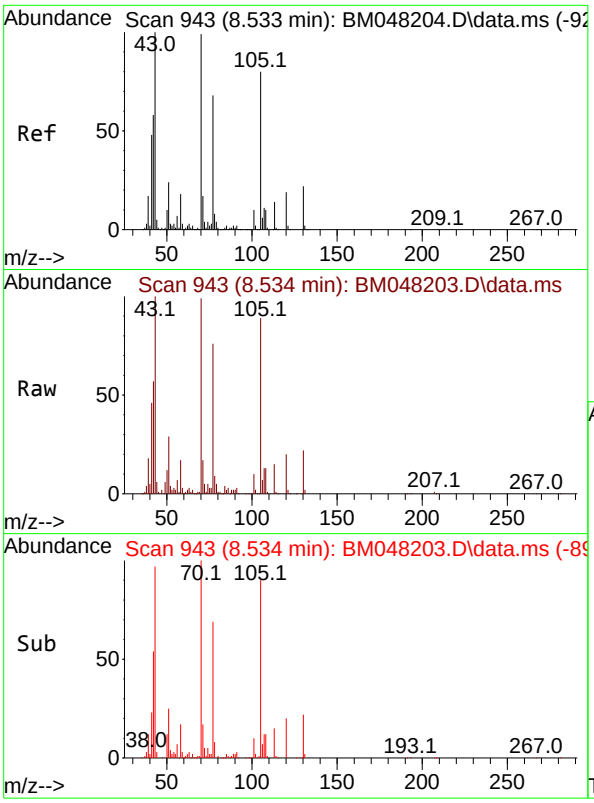


#18
Hexachloroethane
Concen: 20.038 ng
RT: 8.798 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:117 Resp: 90926

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
201	103.1	80.9	121.3



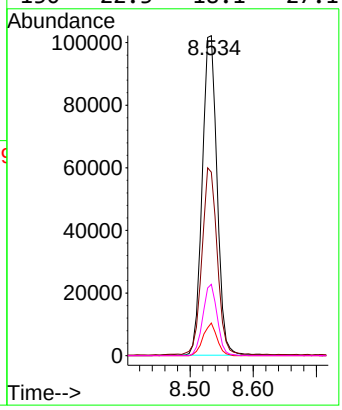


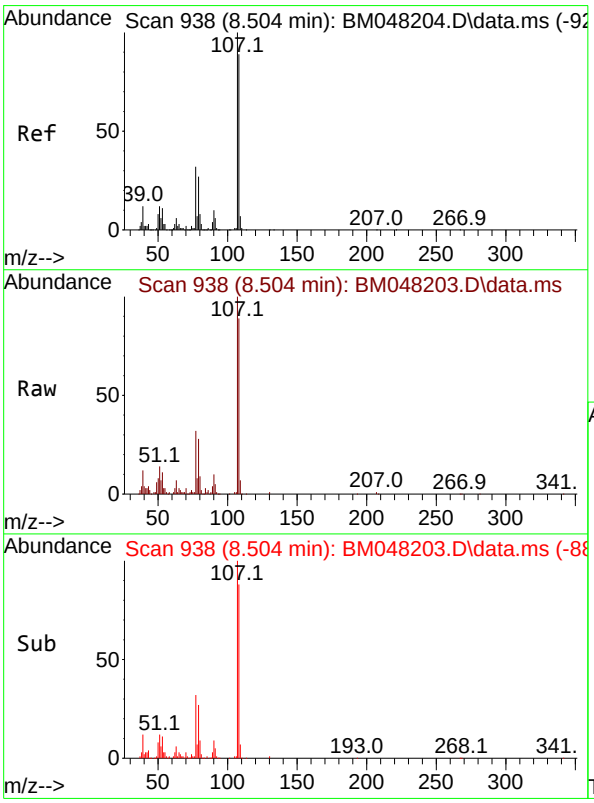
#19
n-Nitroso-di-n-propylamine
Concen: 20.694 ng
RT: 8.534 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 165882

Ion	Ratio	Lower	Upper
70	100		
42	57.4	47.0	70.6
101	10.2	7.8	11.6
130	22.3	18.1	27.1

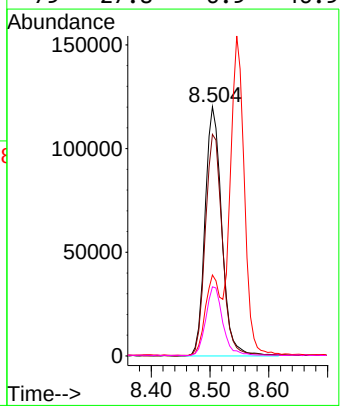


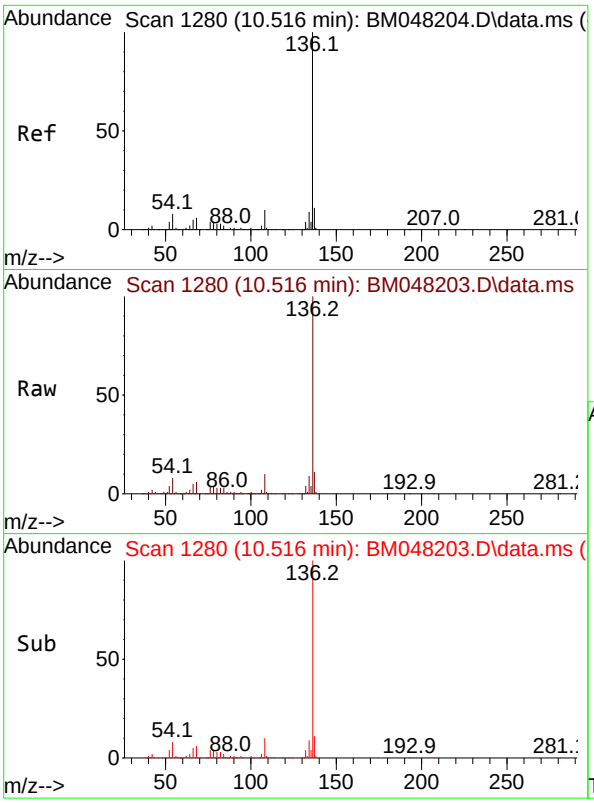


#20
3+4-Methylphenols
Concen: 20.244 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:107 Resp: 237552

Ion	Ratio	Lower	Upper
107	100		
108	88.9	69.0	109.0
77	32.5	12.3	52.3
79	27.8	6.9	46.9



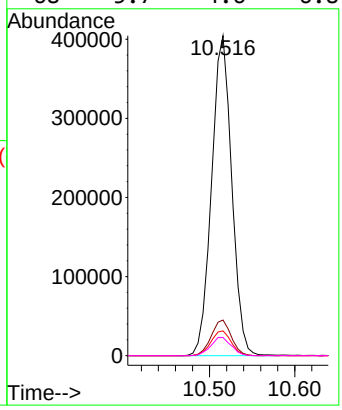


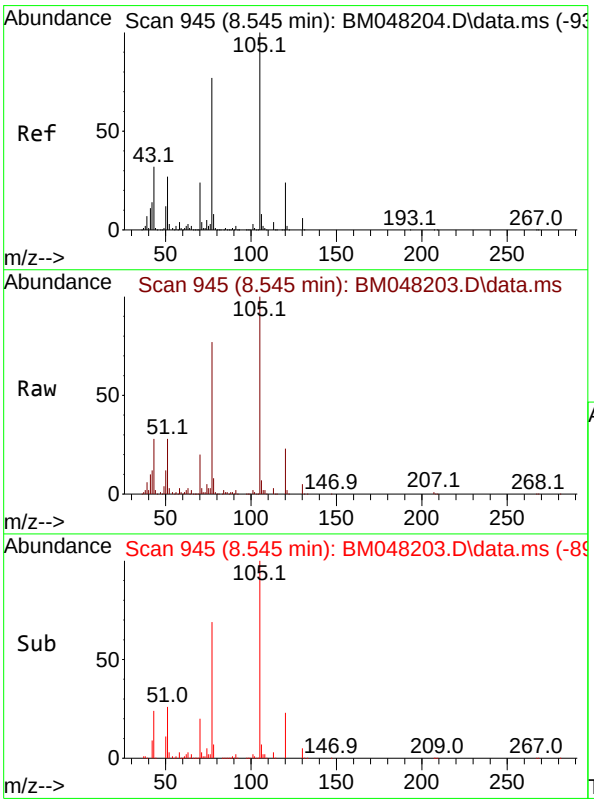
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 663962

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.8	6.5	9.7
68	5.7	4.6	6.8

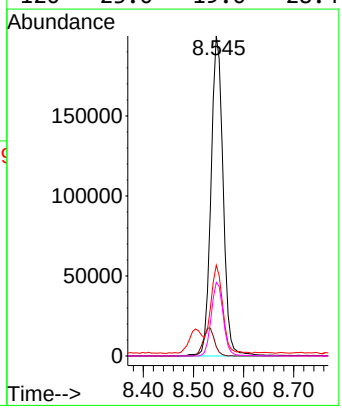


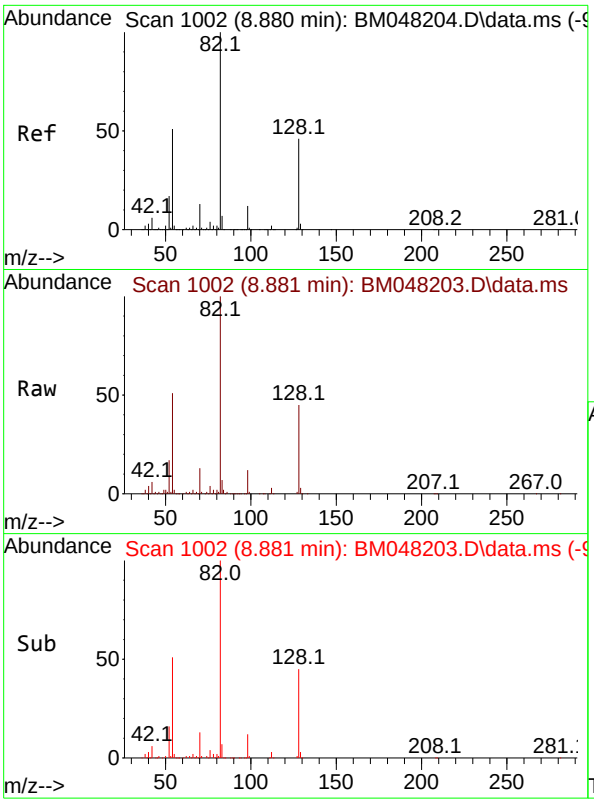


#22
Acetophenone
Concen: 20.708 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:105 Resp: 335566

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.4	5.0#
51	28.3	21.7	32.5
120	23.0	19.0	28.4



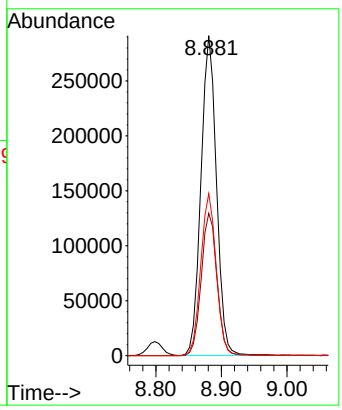


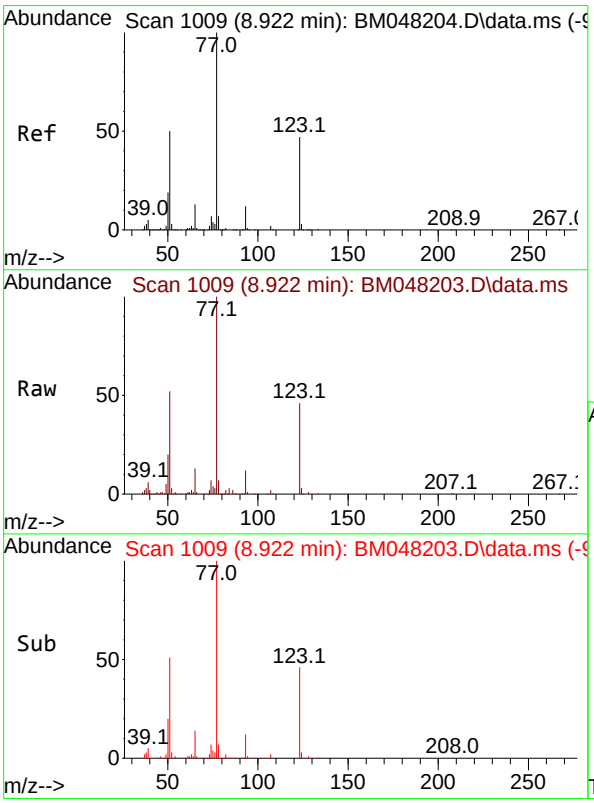
#23
Nitrobenzene-d5
Concen: 40.893 ng
RT: 8.881 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 480876

Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.6	54.8
54	50.6	41.0	61.4

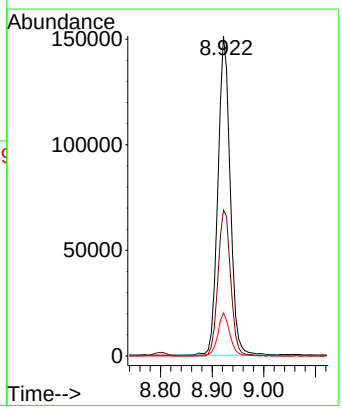


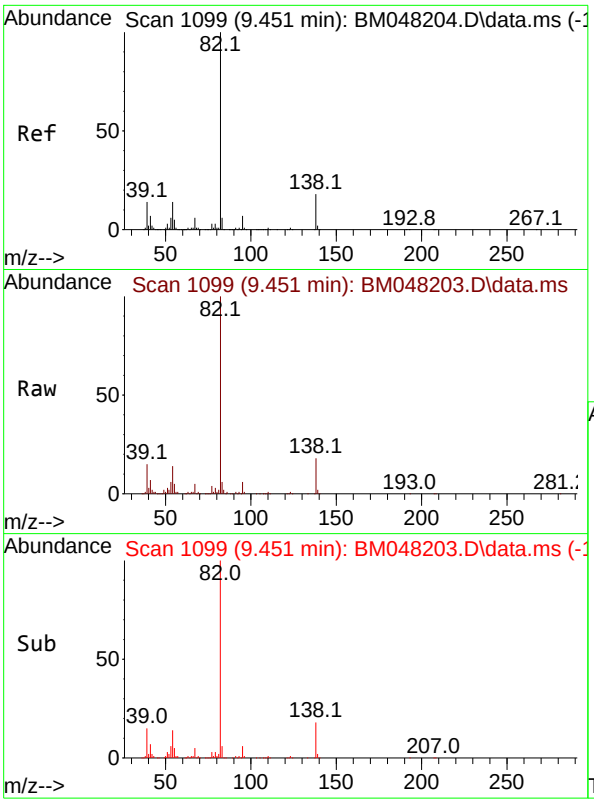


#24
Nitrobenzene
Concen: 20.449 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 77 Resp: 249153

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.8	56.6
65	13.4	10.4	15.6



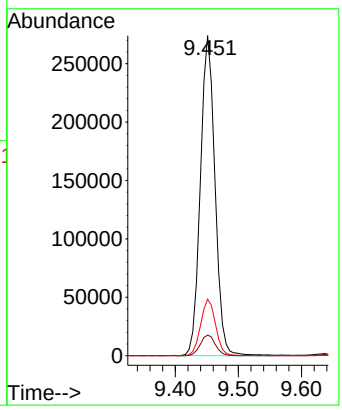


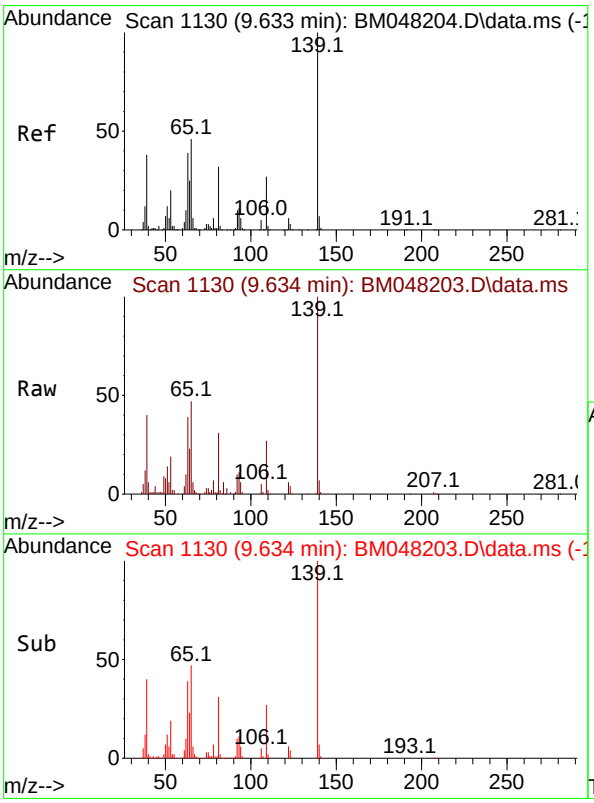
#25
Isophorone
Concen: 20.465 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 441124

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.3	7.9
138	17.7	14.3	21.5

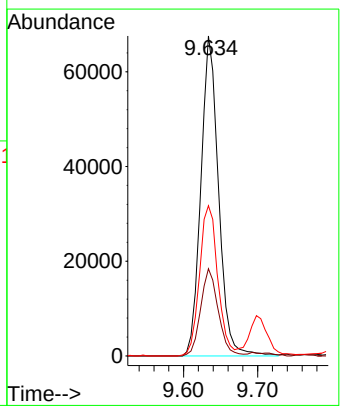


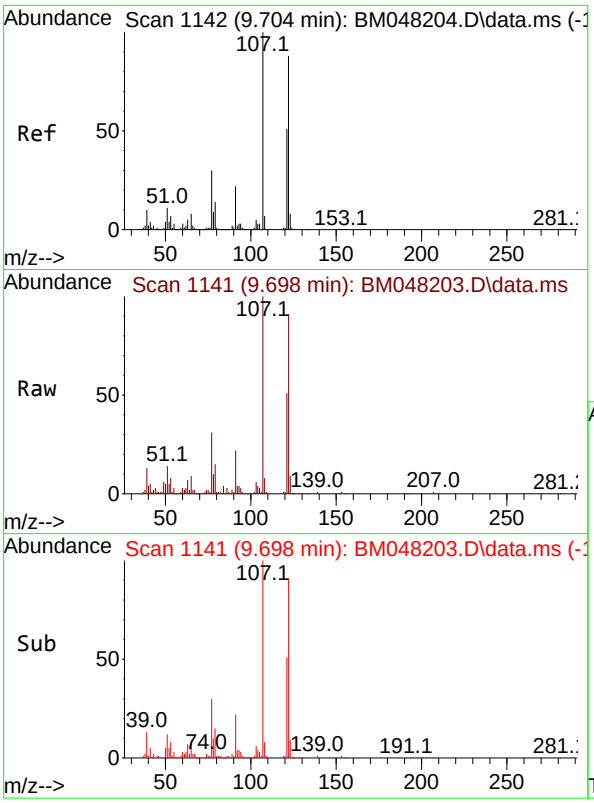


#26
2-Nitrophenol
Concen: 19.960 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:139 Resp: 112285

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.2	31.8
65	46.9	36.8	55.2



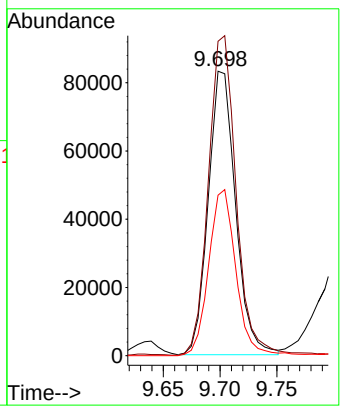


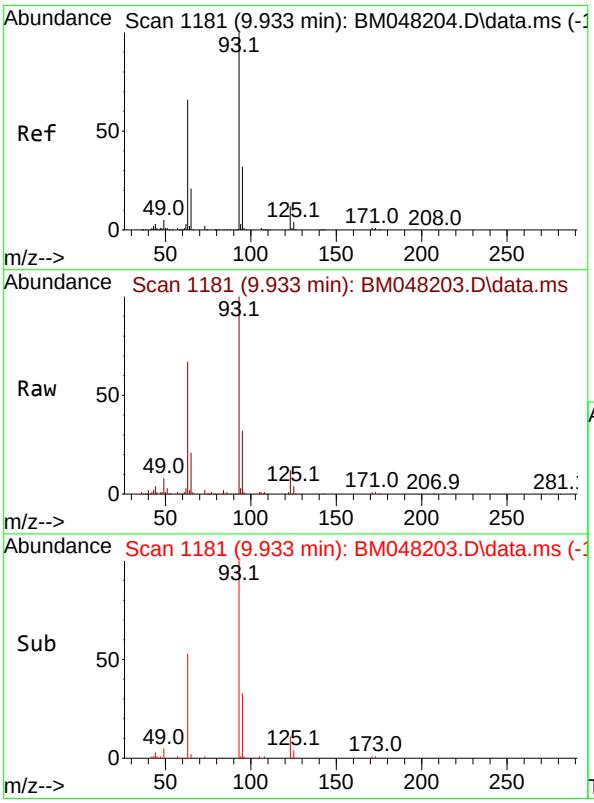
#27
2,4-Dimethylphenol
Concen: 20.405 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 139269

Ion	Ratio	Lower	Upper
122	100		
107	110.5	91.0	136.6
121	56.4	46.1	69.1

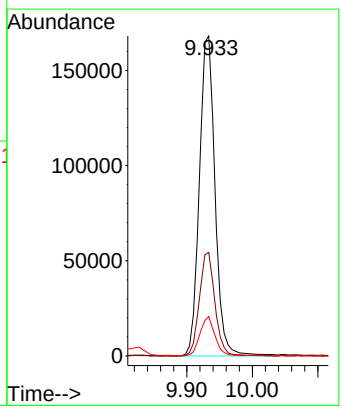


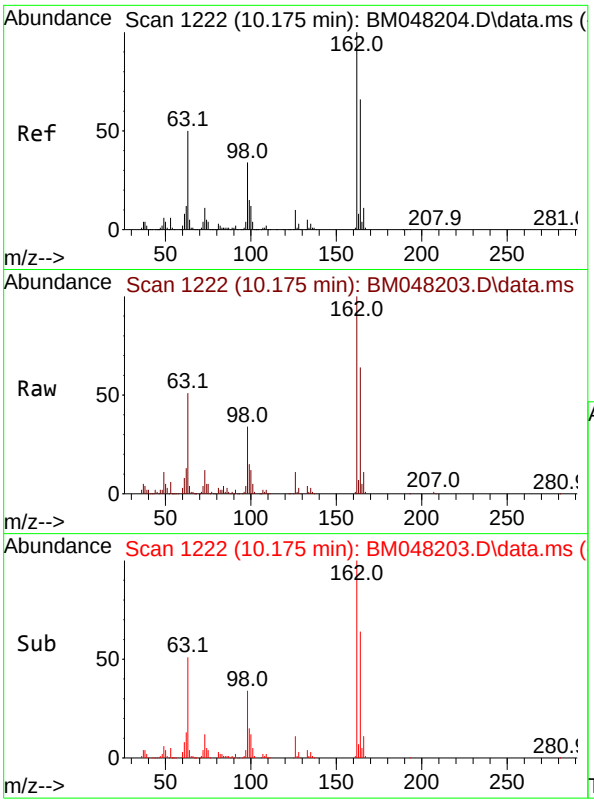


#28
bis(2-Chloroethoxy)methane
Concen: 20.564 ng
RT: 9.933 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 93 Resp: 280491

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.3	37.9
123	12.3	9.8	14.6



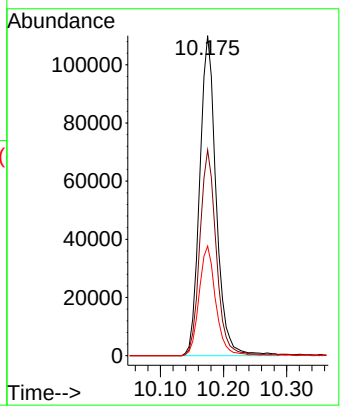


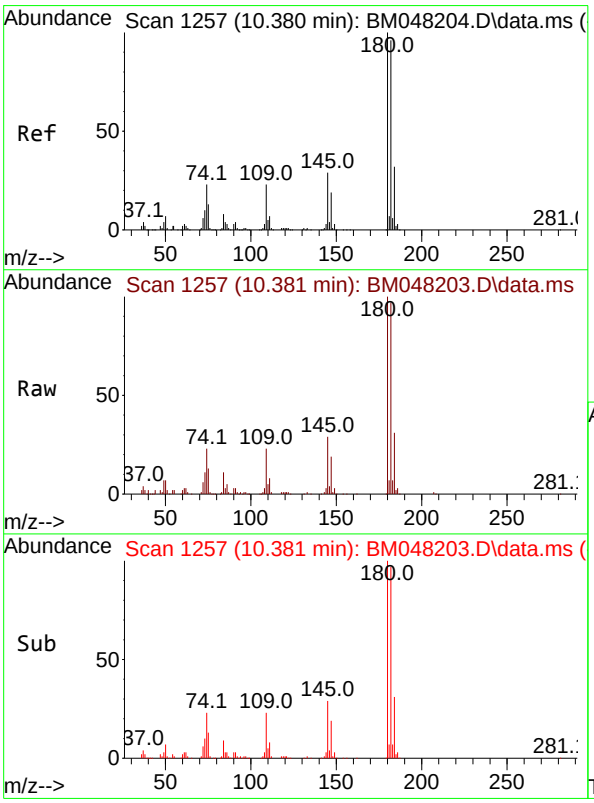
#29
2,4-Dichlorophenol
Concen: 20.315 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 199457

Ion	Ratio	Lower	Upper
162	100		
164	64.3	46.0	86.0
98	34.3	14.4	54.4

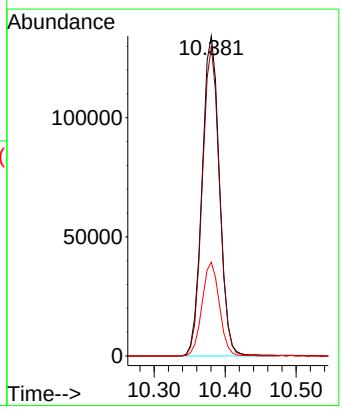


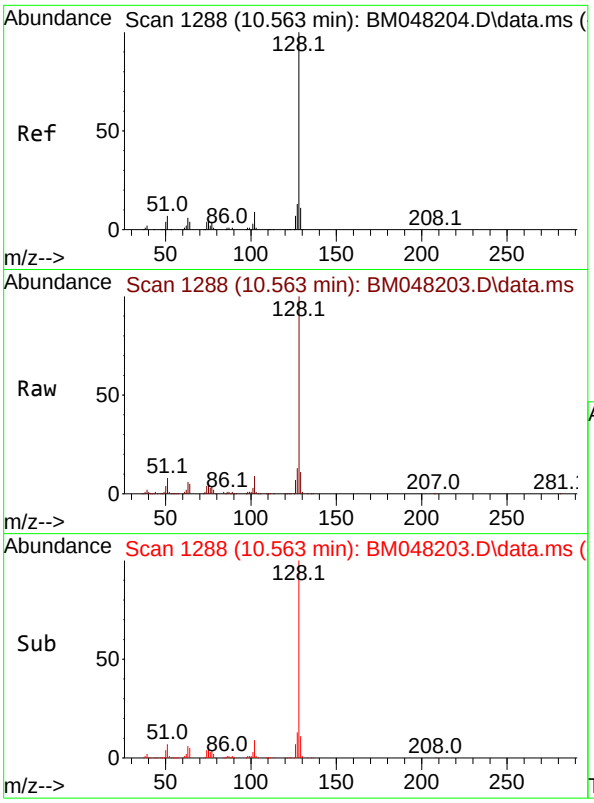


#30
1,2,4-Trichlorobenzene
Concen: 20.397 ng
RT: 10.381 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:180 Resp: 229359

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	115.0
145	29.3	23.4	35.2



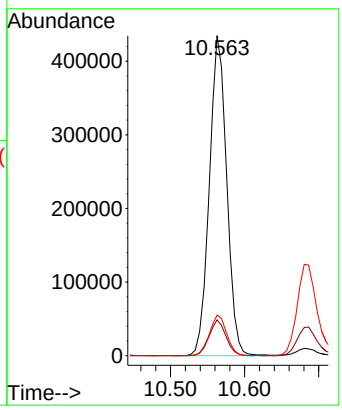


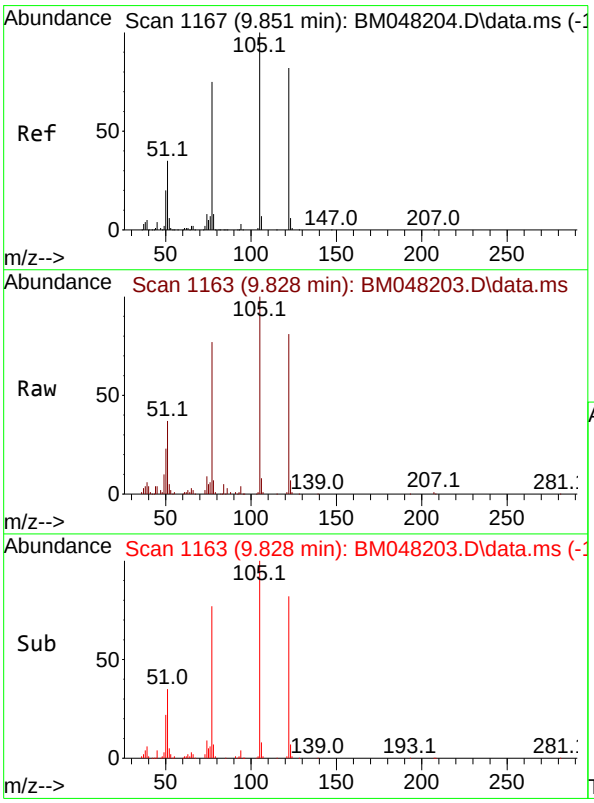
#31
Naphthalene
Concen: 20.416 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 706998

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.7	10.2	15.2

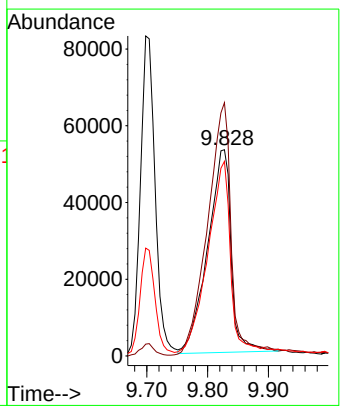


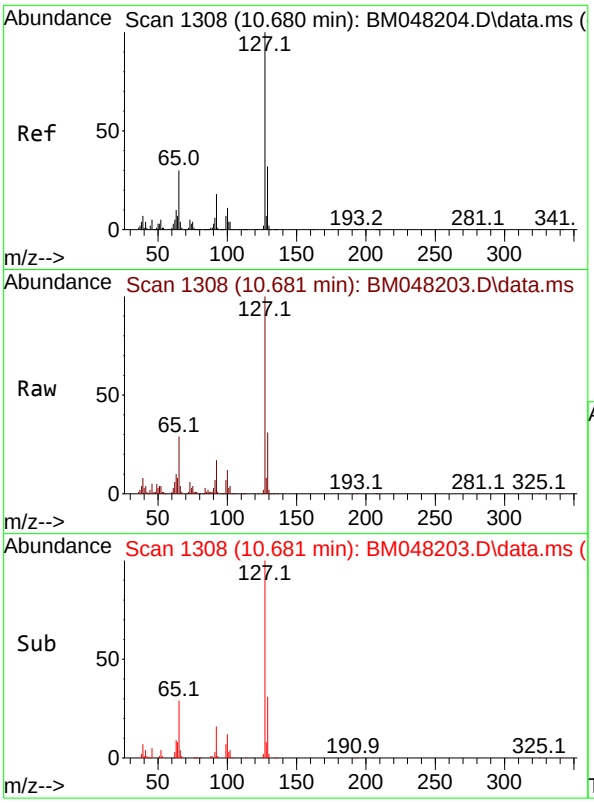


#32
Benzoic acid
Concen: 18.482 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.023 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:122 Resp: 141019

Ion	Ratio	Lower	Upper
122	100		
105	122.8	99.3	139.3
77	94.3	70.4	110.4



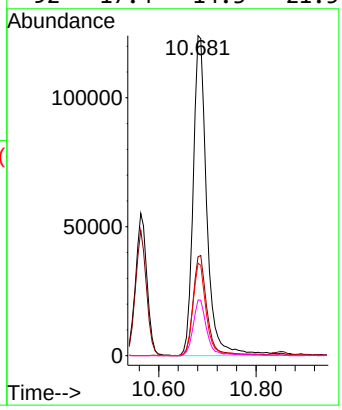


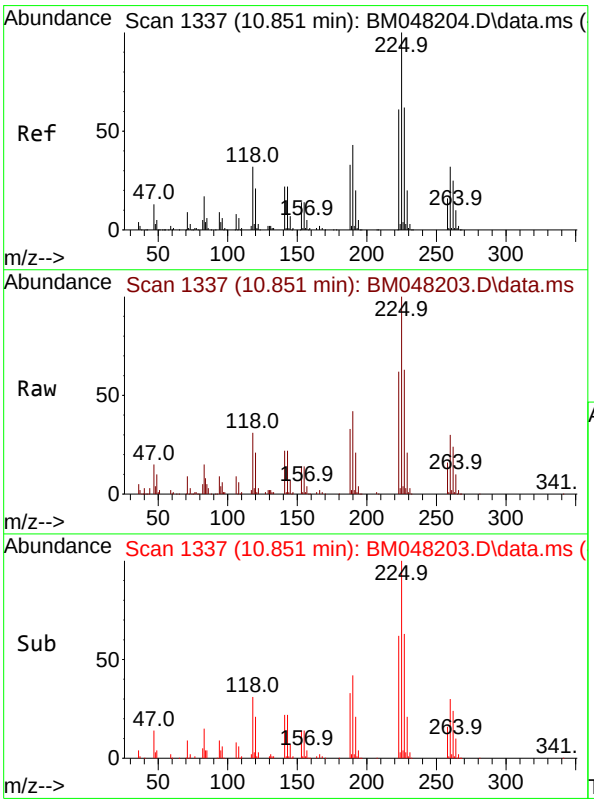
#33
4-Chloroaniline
Concen: 21.678 ng
RT: 10.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 243468

Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.8	38.6
65	28.9	23.7	35.5
92	17.4	14.3	21.5

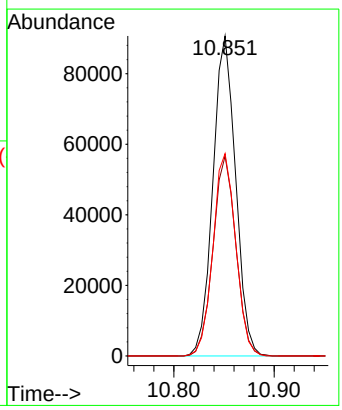


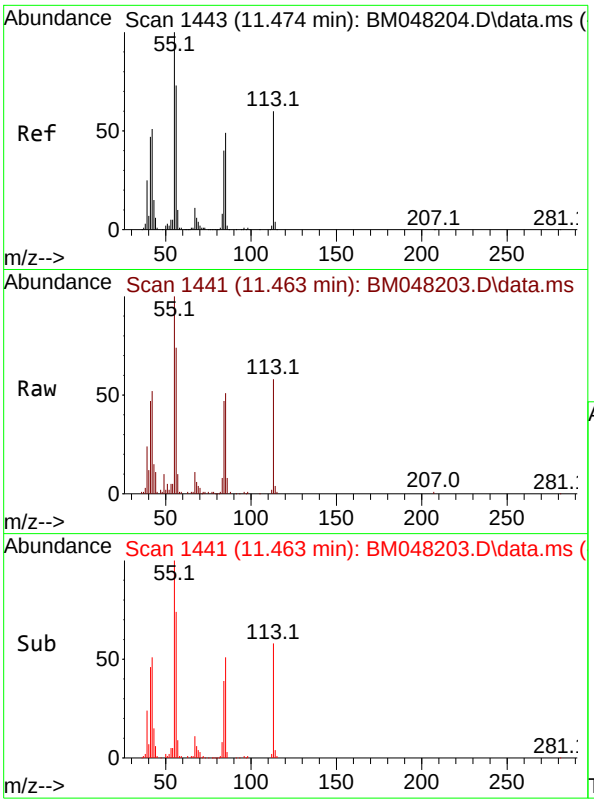


#34
Hexachlorobutadiene
Concen: 20.472 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:225 Resp: 142677

Ion	Ratio	Lower	Upper
225	100		
223	62.5	48.6	73.0
227	63.2	49.6	74.4



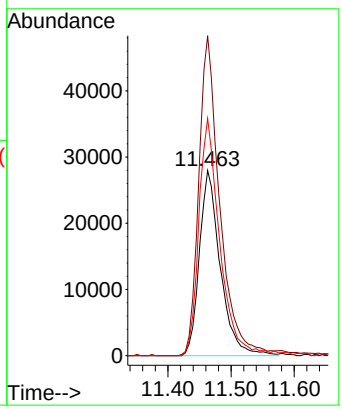


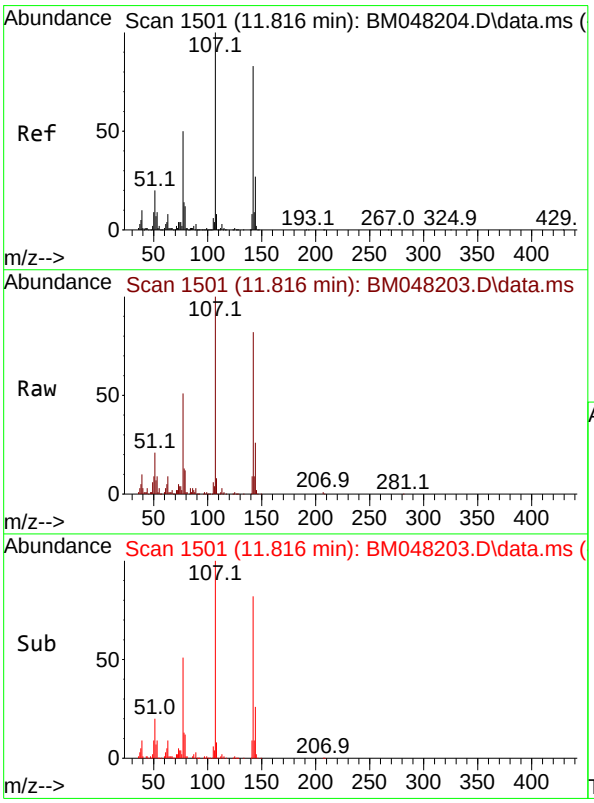
#35
Caprolactam
Concen: 20.152 ng
RT: 11.463 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 64171

Ion	Ratio	Lower	Upper
113	100		
55	172.9	146.1	186.1
56	128.1	101.9	141.9

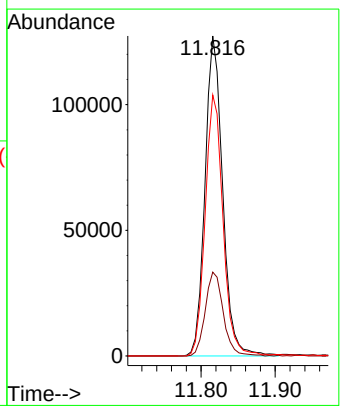


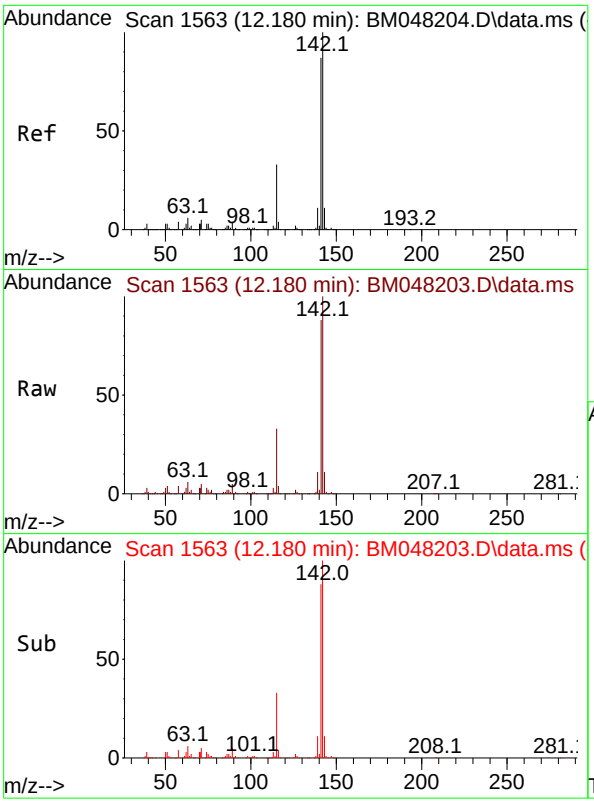


#36
4-Chloro-3-methylphenol
Concen: 20.604 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:107 Resp: 211180

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.5	32.3
142	81.6	66.8	100.2



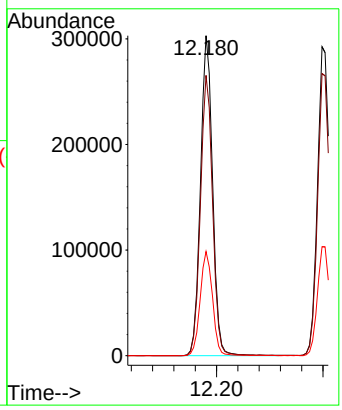


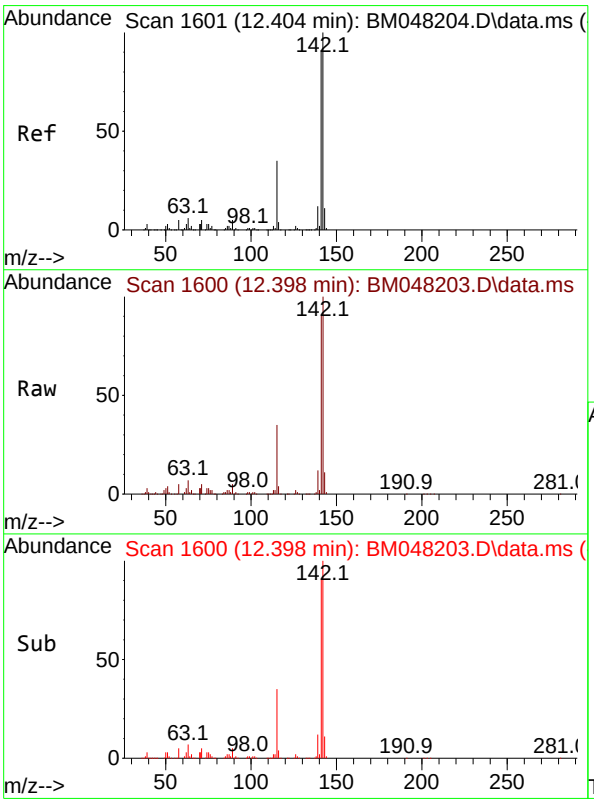
#37
2-Methylnaphthalene
Concen: 20.632 ng
RT: 12.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 477359

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.8	104.6
115	32.5	26.3	39.5

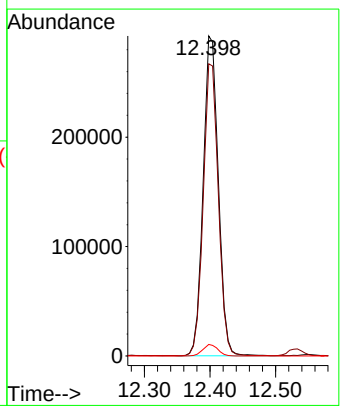


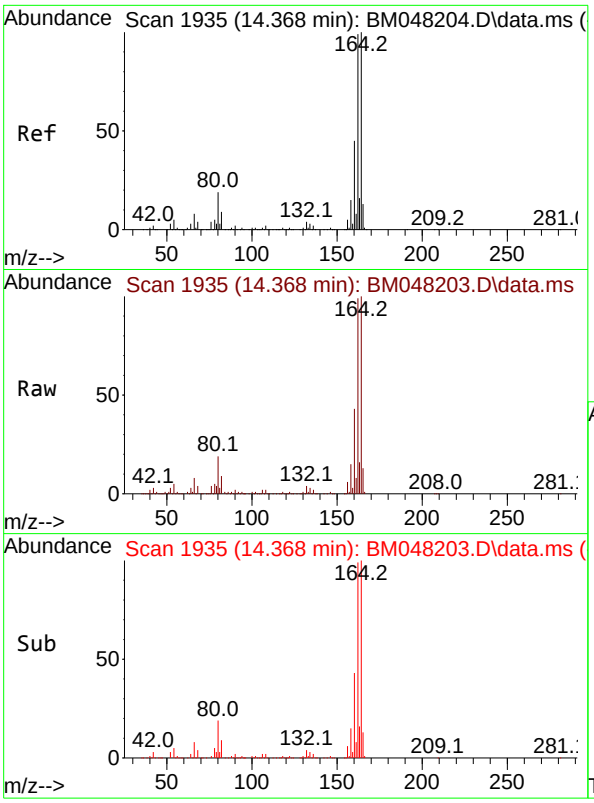


#38
1-Methylnaphthalene
Concen: 20.468 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:142 Resp: 469594

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1
116	3.6	2.9	4.3



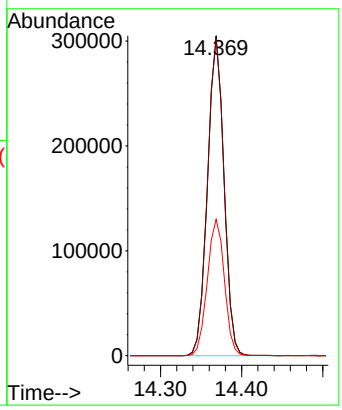


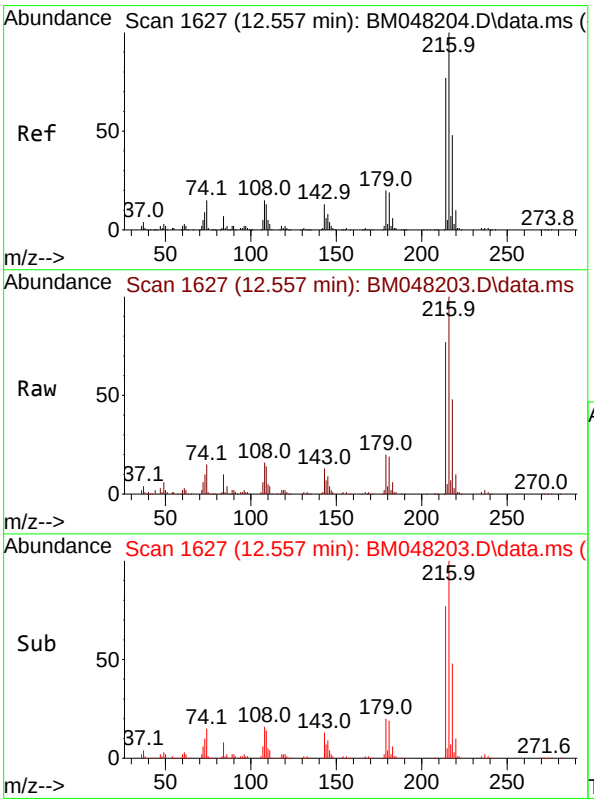
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 430231

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.1	118.7
160	42.6	35.8	53.8

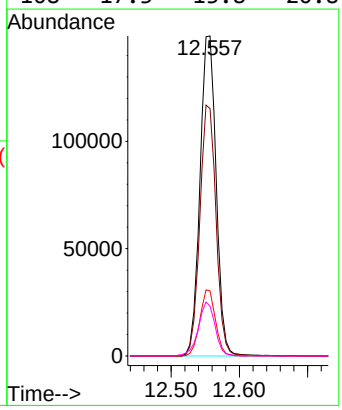


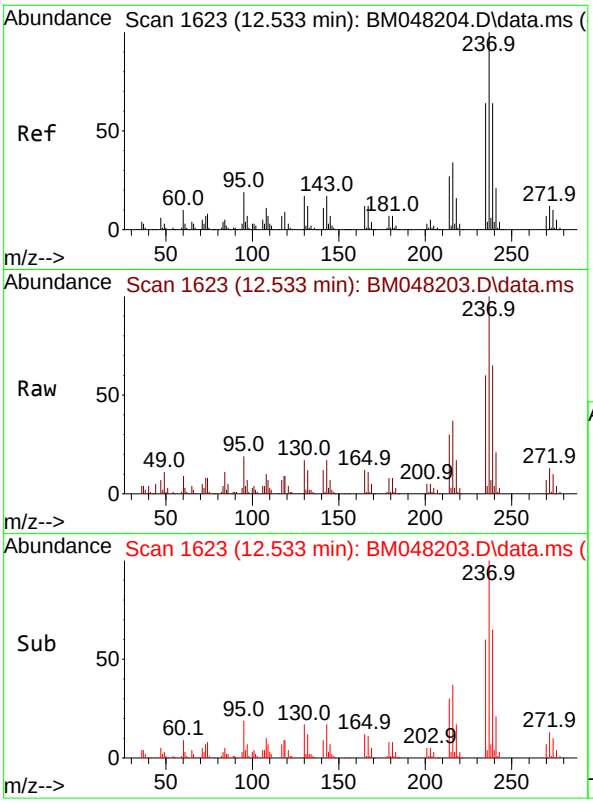


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.014 ng
RT: 12.557 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:216 Resp: 246113

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.2	93.2
179	19.9	16.0	24.0
108	17.3	13.8	20.8



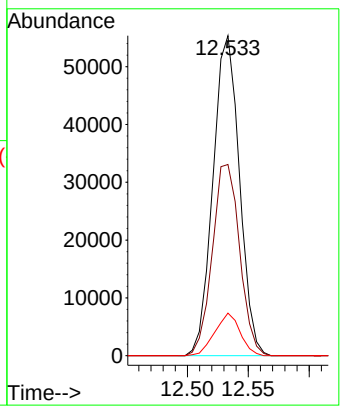


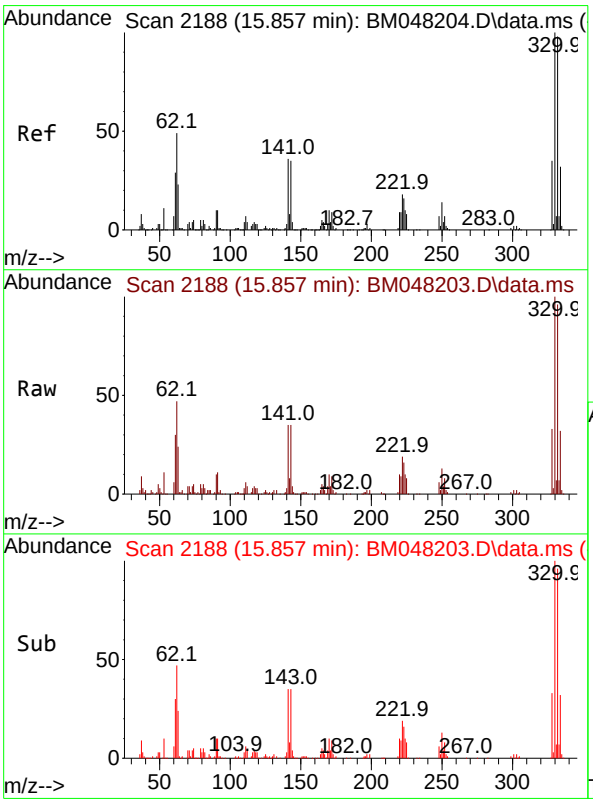
#41
Hexachlorocyclopentadiene
Concen: 20.137 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 83794

Ion	Ratio	Lower	Upper
237	100		
235	59.8	44.2	84.2
272	13.3	0.0	32.4

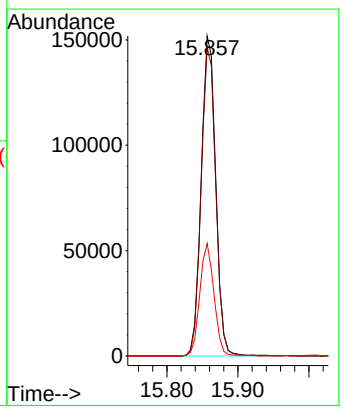


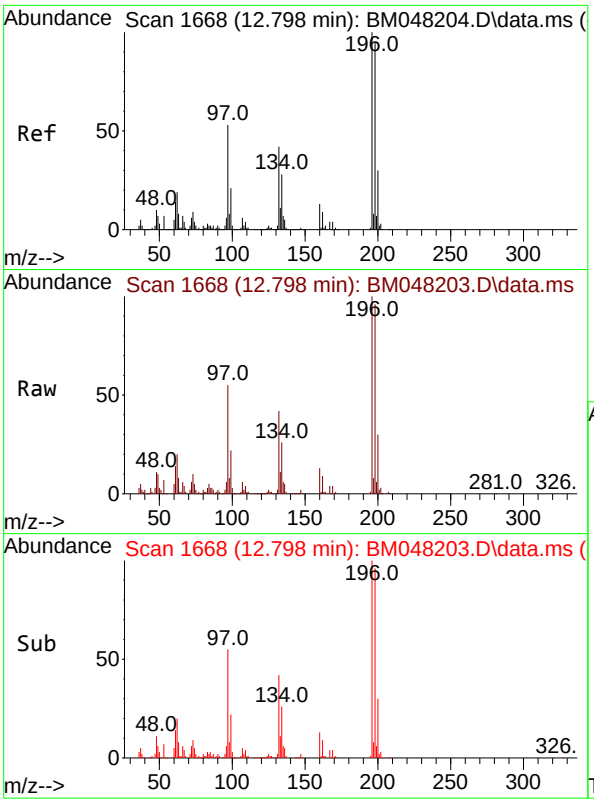


#42
2,4,6-Tribromophenol
Concen: 41.123 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:330 Resp: 216558

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.5	116.3
141	34.4	27.5	41.3



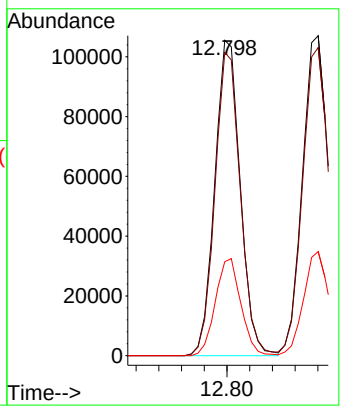


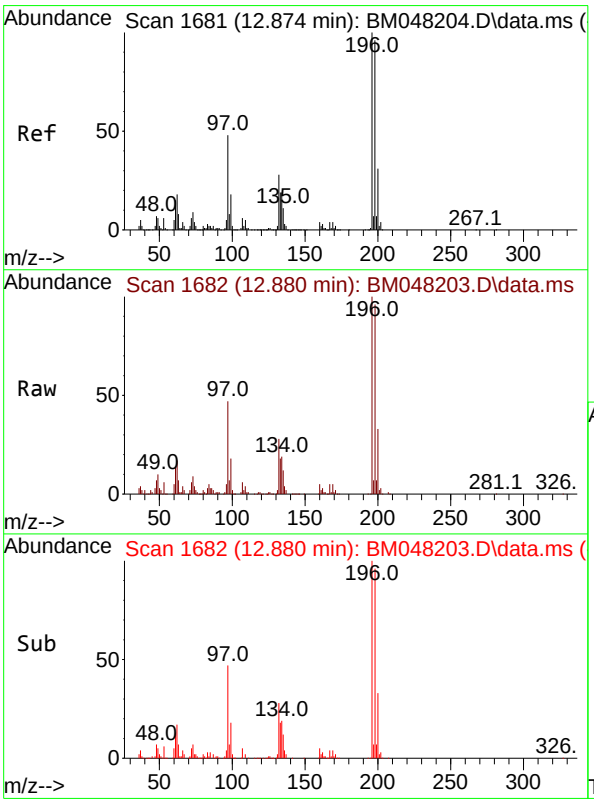
#43
2,4,6-Trichlorophenol
Concen: 20.130 ng
RT: 12.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 164275

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
200	29.8	24.2	36.2

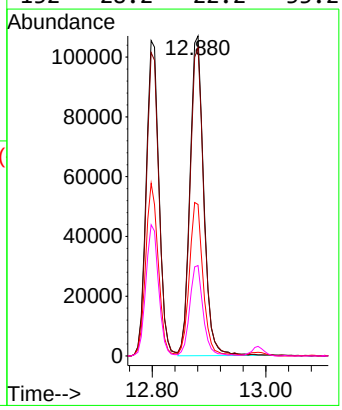


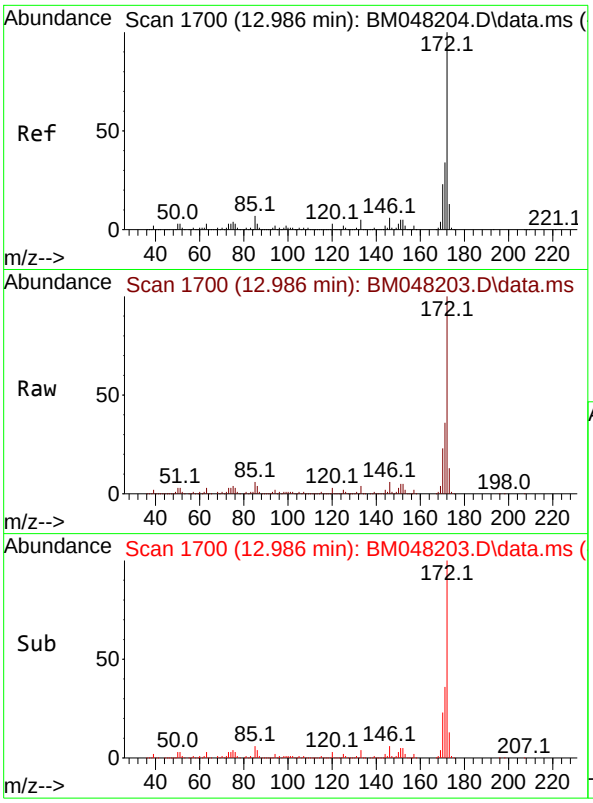


#44
2,4,5-Trichlorophenol
Concen: 19.858 ng
RT: 12.880 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:196 Resp: 180710

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.7	115.1
97	47.3	38.5	57.7
132	28.2	22.2	33.2



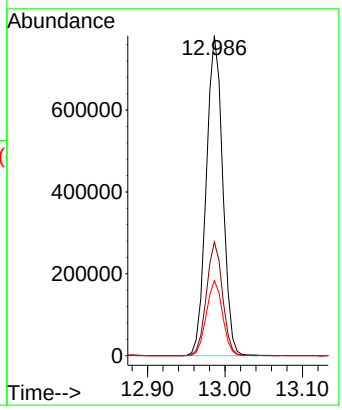


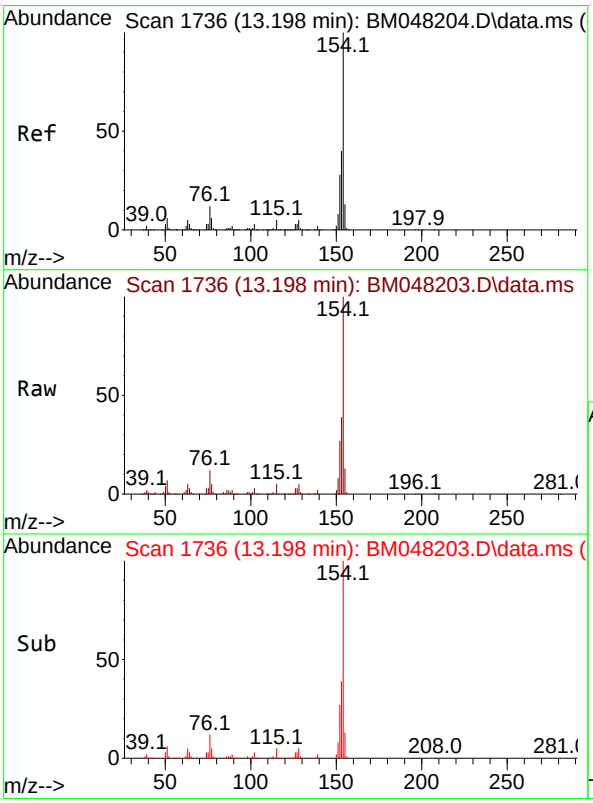
#45
2-Fluorobiphenyl
Concen: 41.056 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1151087

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.4	41.0
170	23.4	18.5	27.7

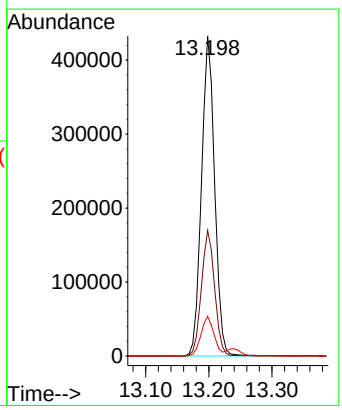


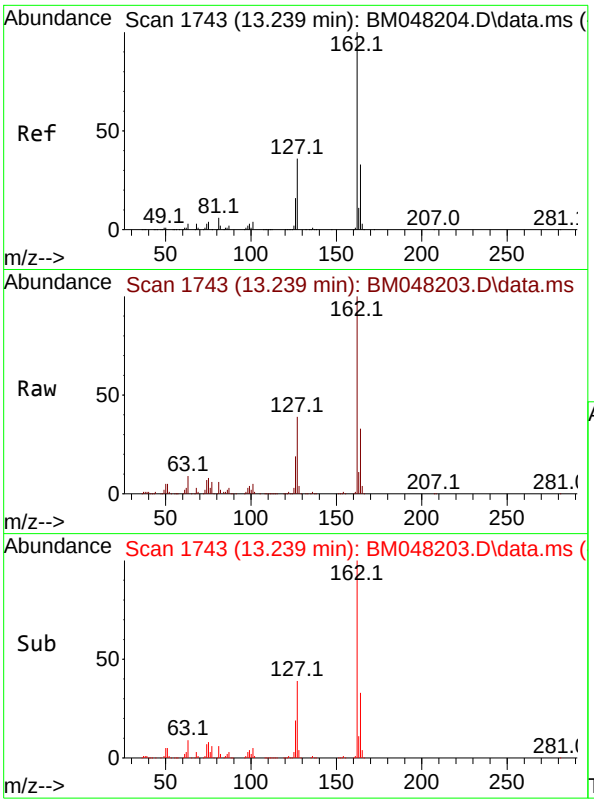


#46
1,1'-Biphenyl
Concen: 20.359 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:154 Resp: 625359

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.9	59.9
76	12.4	0.0	32.4



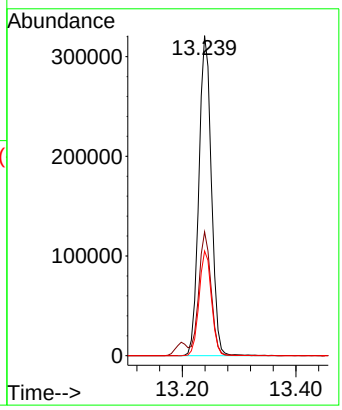


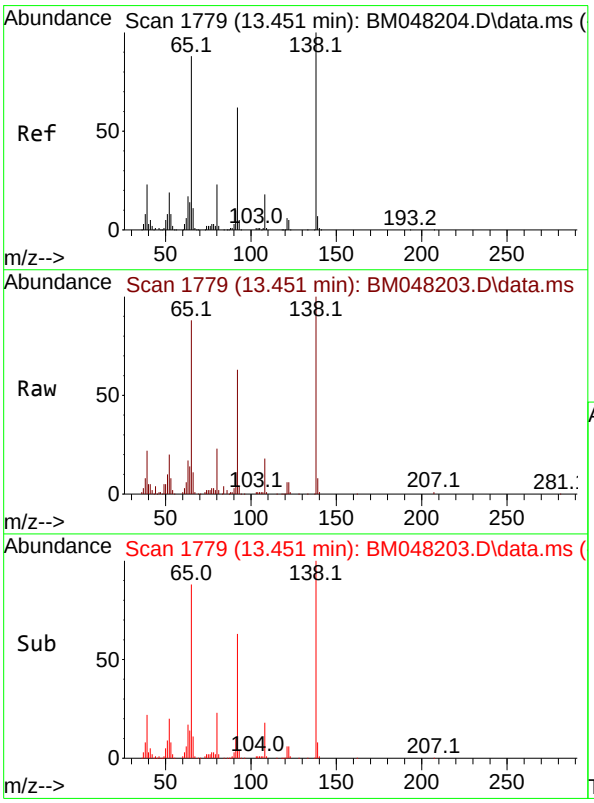
#47
2-Chloronaphthalene
Concen: 20.236 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 490101

Ion	Ratio	Lower	Upper
162	100		
127	38.7	31.0	46.6
164	32.7	26.2	39.4

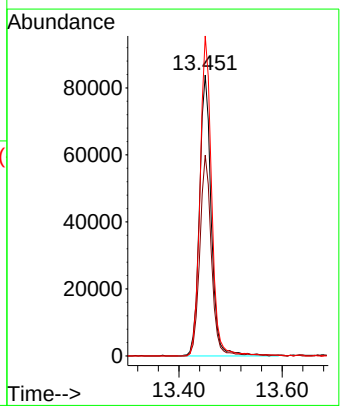


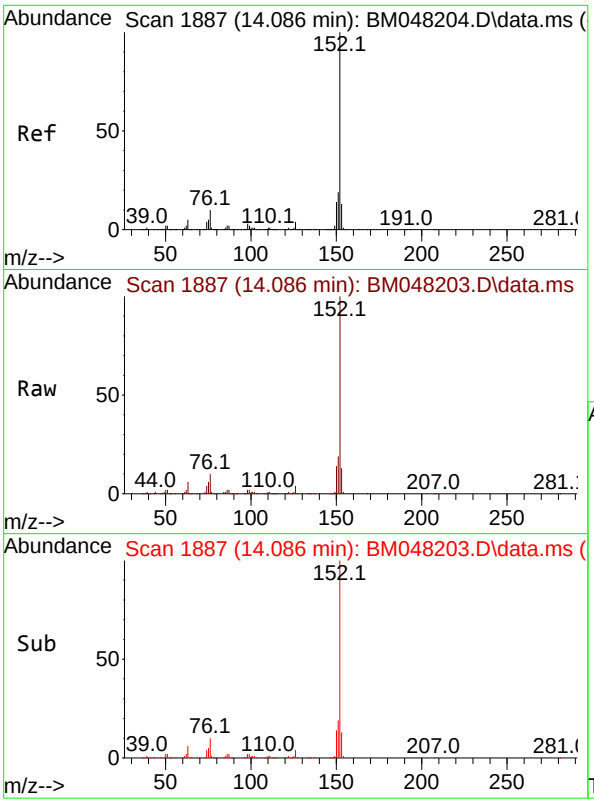


#48
2-Nitroaniline
Concen: 20.245 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion: 65 Resp: 132988

Ion	Ratio	Lower	Upper
65	100		
92	71.5	56.0	84.0
138	113.9	90.8	136.2



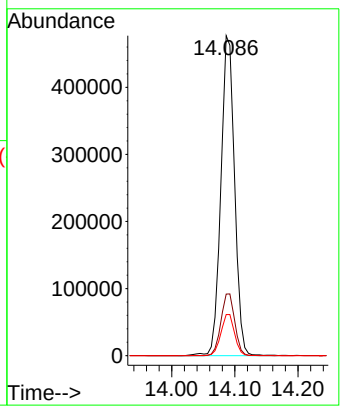


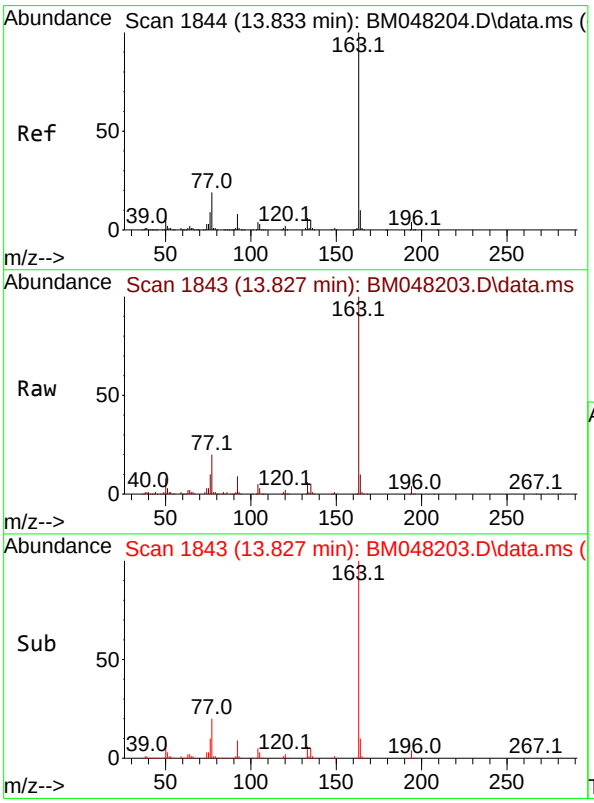
#49
Acenaphthylene
Concen: 20.385 ng
RT: 14.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 720324

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.9	10.5	15.7

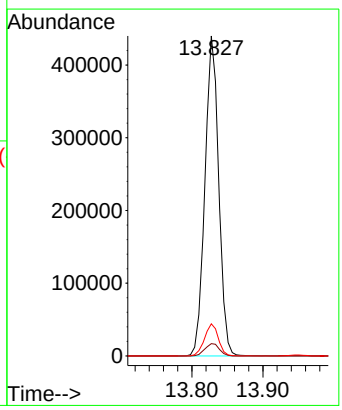


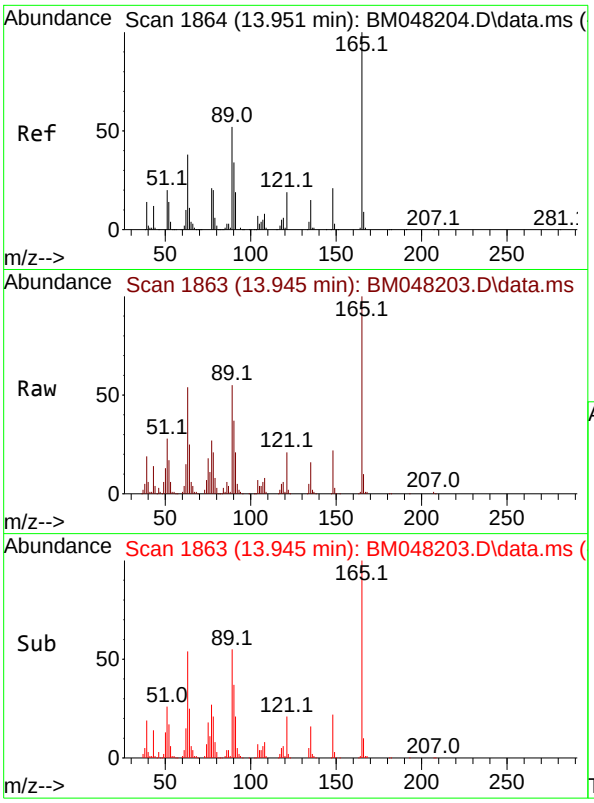


#50
Dimethylphthalate
Concen: 20.243 ng
RT: 13.827 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:163 Resp: 594533

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	7.8	11.6



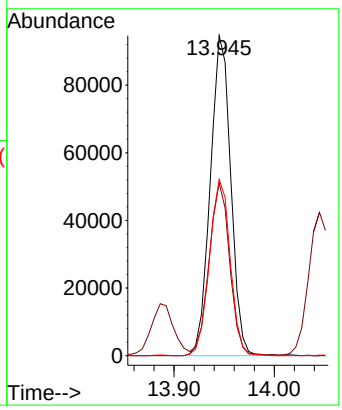


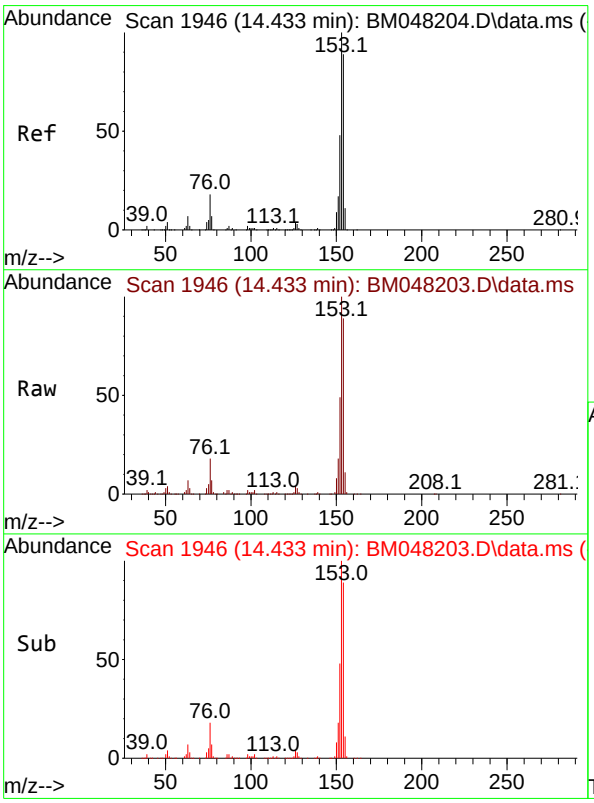
#51
2,6-Dinitrotoluene
Concen: 20.506 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 134381

Ion	Ratio	Lower	Upper
165	100		
63	54.0	39.5	59.3
89	55.1	41.8	62.6

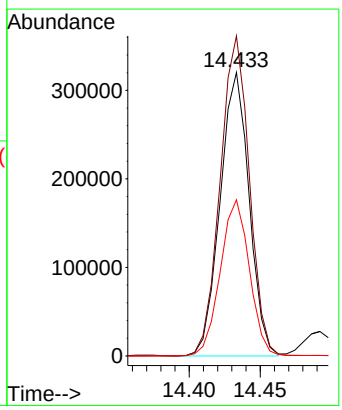


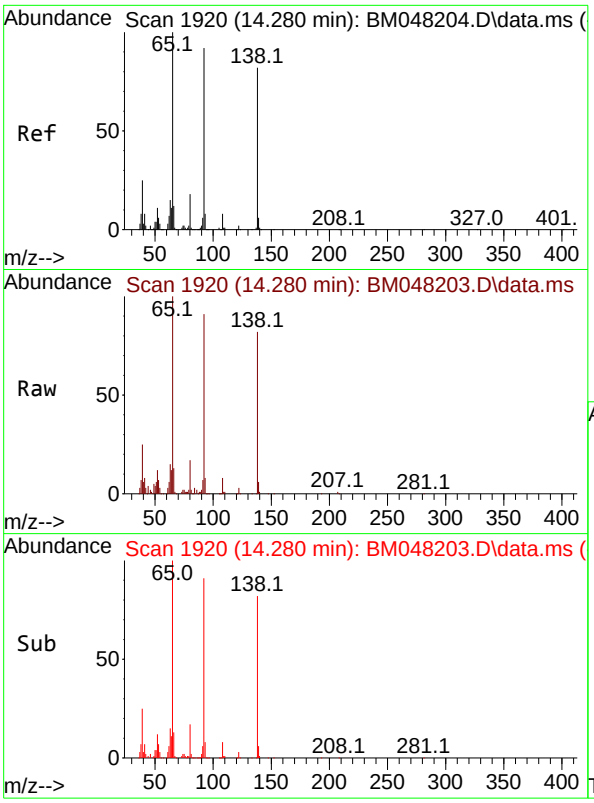


#52
Acenaphthene
Concen: 20.268 ng
RT: 14.433 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:154 Resp: 455064

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.4	135.6
152	55.0	43.6	65.4



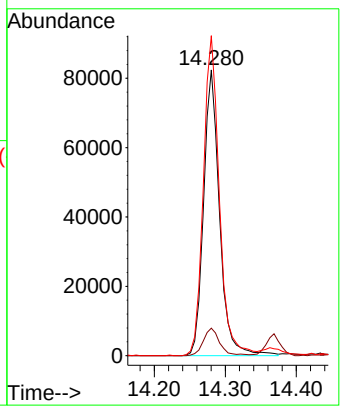


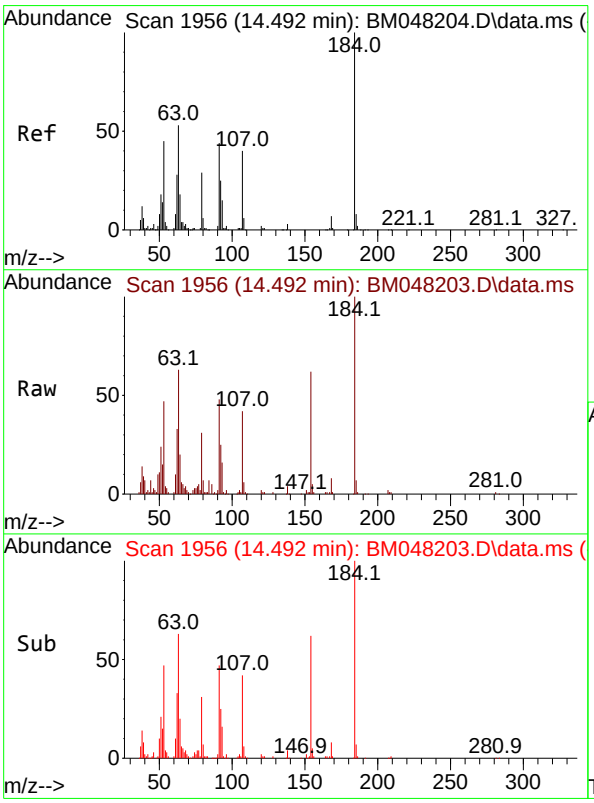
#53
3-Nitroaniline
Concen: 20.860 ng
RT: 14.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 128920

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.5	11.3
92	112.0	89.7	134.5

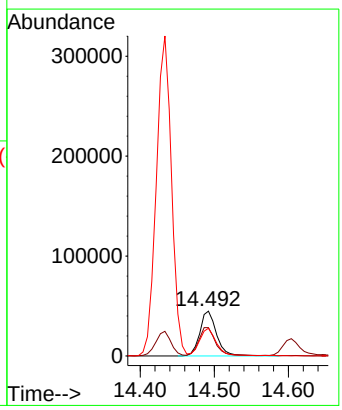


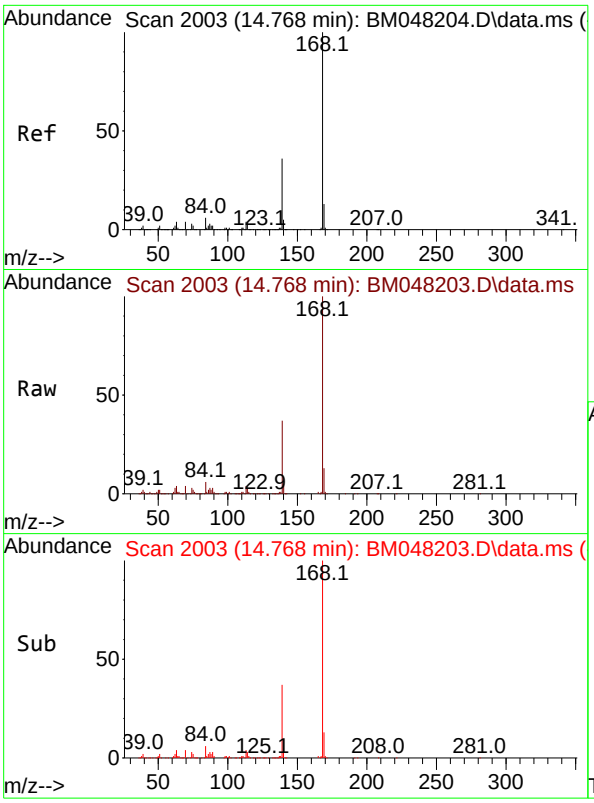


#54
2,4-Dinitrophenol
Concen: 18.426 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:184 Resp: 70564

Ion	Ratio	Lower	Upper
184	100		
63	63.2	47.2	70.8
154	61.7	46.0	69.0



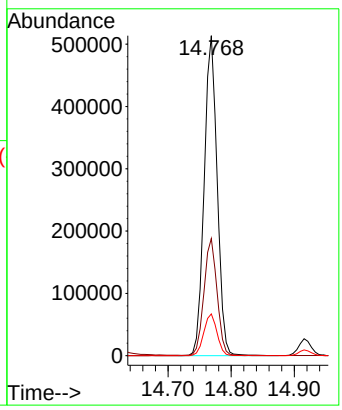


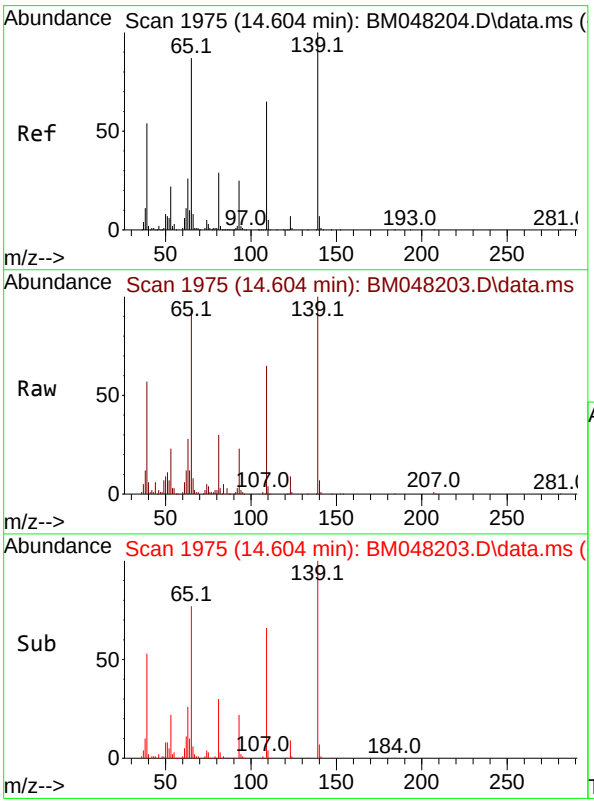
#55
Dibenzofuran
Concen: 20.519 ng
RT: 14.768 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 731916

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.0	43.6
169	13.1	10.4	15.6

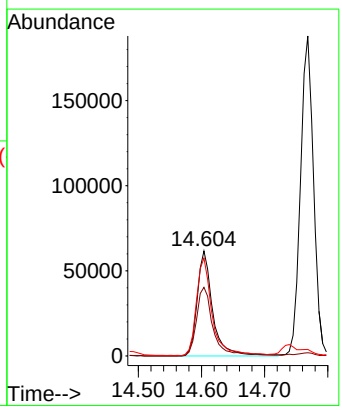


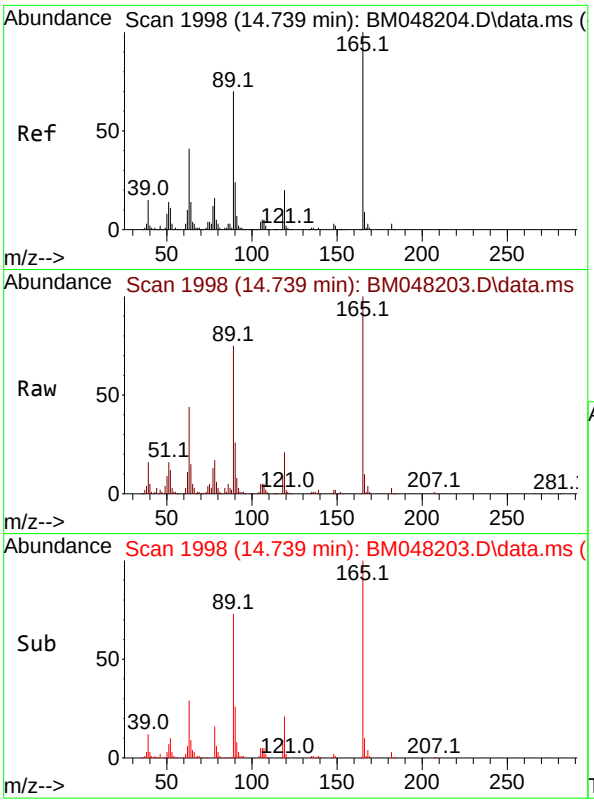


#56
4-Nitrophenol
Concen: 19.147 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:139 Resp: 105608

Ion	Ratio	Lower	Upper
139	100		
109	65.5	45.4	85.4
65	93.3	67.3	107.3



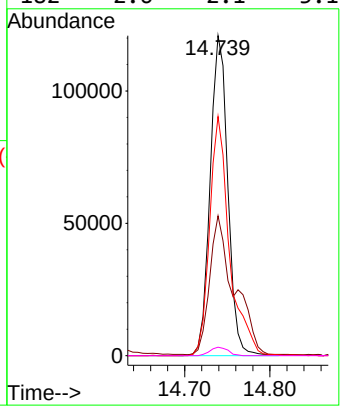


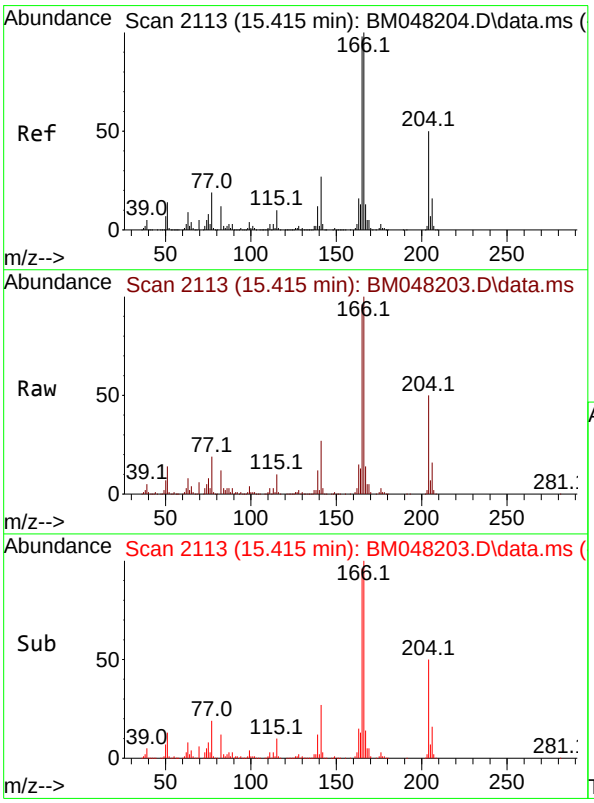
#57
2,4-Dinitrotoluene
Concen: 20.180 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 174635

Ion	Ratio	Lower	Upper
165	100		
63	43.7	33.0	49.4
89	74.7	55.8	83.6
182	2.6	2.1	3.1

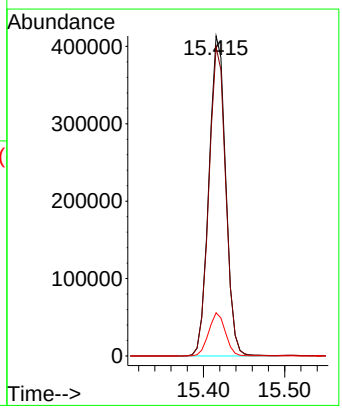


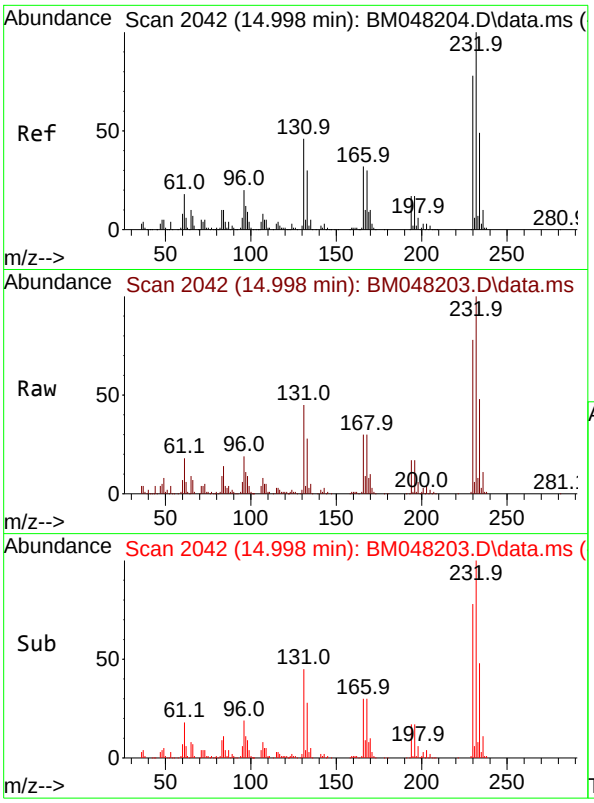


#58
Fluorene
Concen: 21.011 ng
RT: 15.415 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:166 Resp: 592645

Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.4	117.6
167	13.5	10.8	16.2



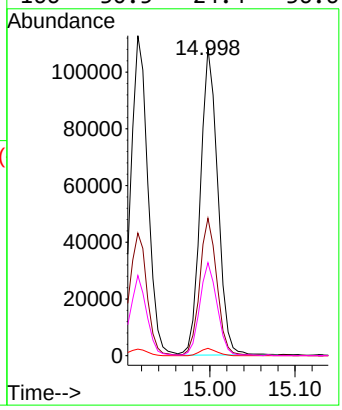


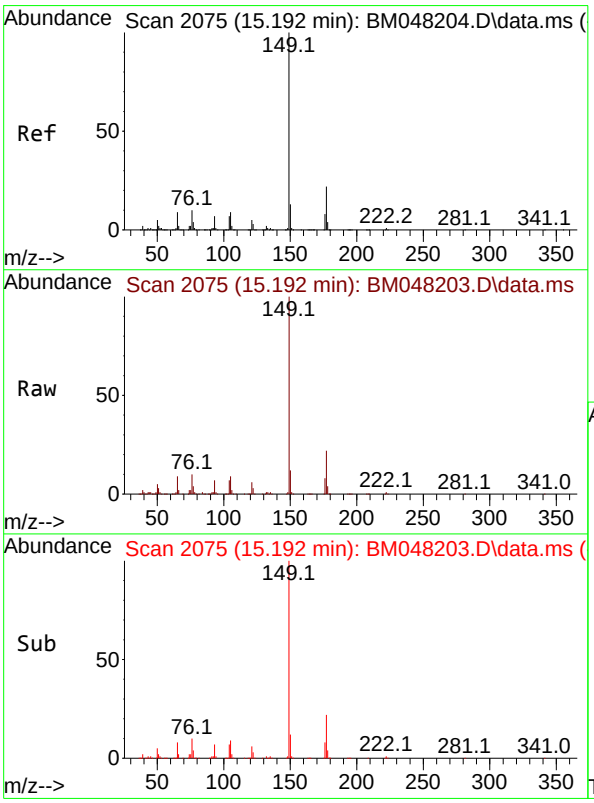
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.227 ng
RT: 14.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 152570

Ion	Ratio	Lower	Upper
232	100		
131	45.0	35.5	53.3
130	2.3	1.8	2.6
166	30.5	24.4	36.6

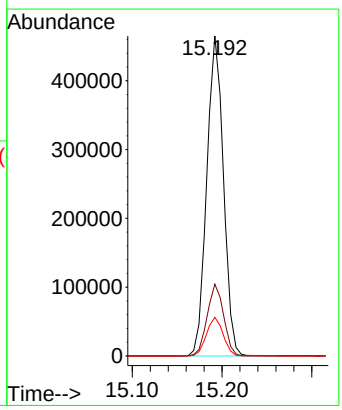


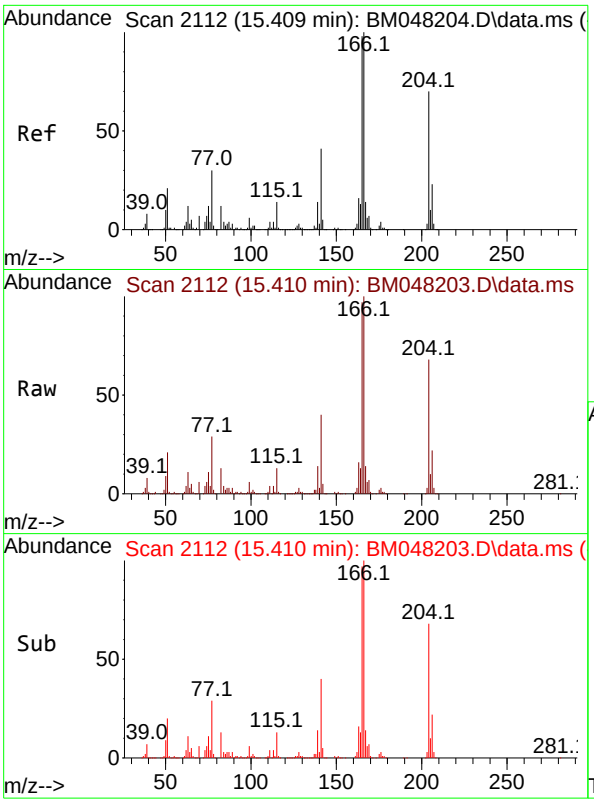


#60
Diethylphthalate
Concen: 20.210 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:149 Resp: 601000

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.5	26.3
150	12.1	10.1	15.1



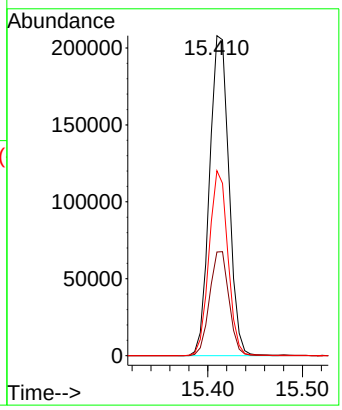


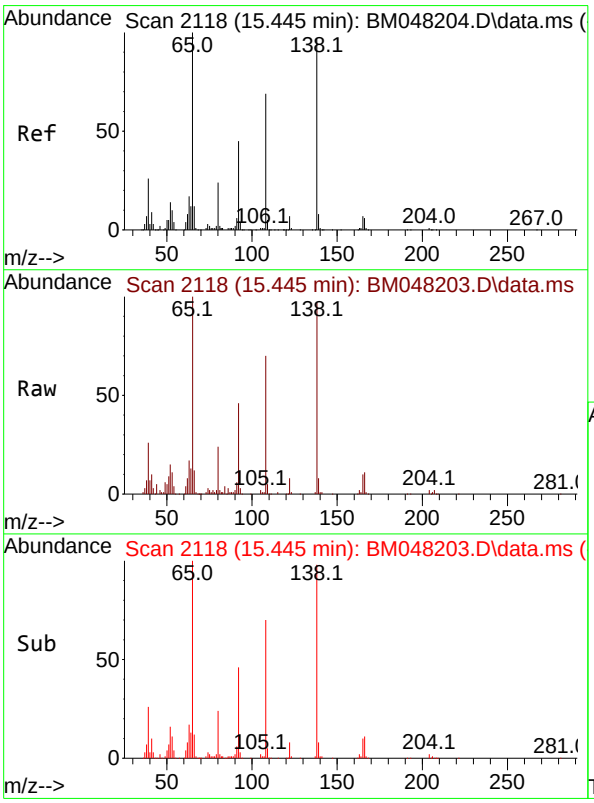
#61
4-Chlorophenyl-phenylether
Concen: 20.903 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 294795

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.4
141	57.8	47.0	70.6

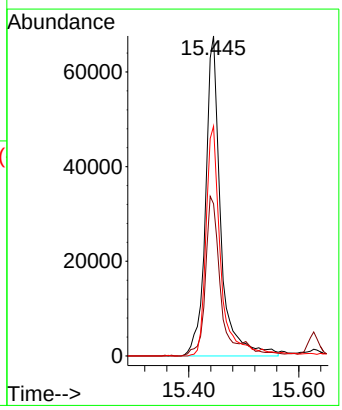


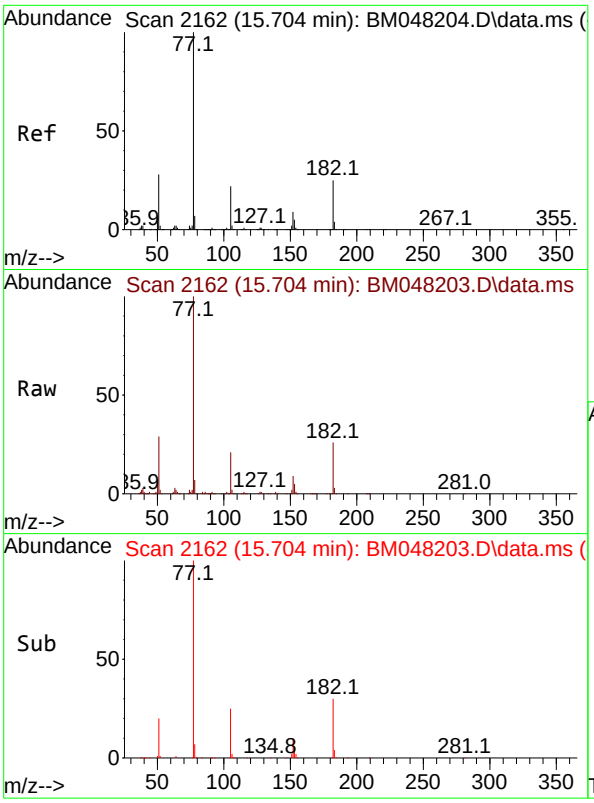


#62
4-Nitroaniline
Concen: 20.199 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:138 Resp: 129195

Ion	Ratio	Lower	Upper
138	100		
92	47.6	26.9	66.9
108	71.8	51.3	91.3



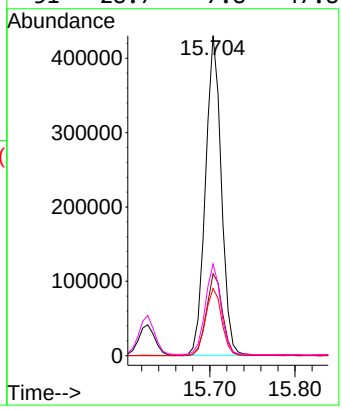


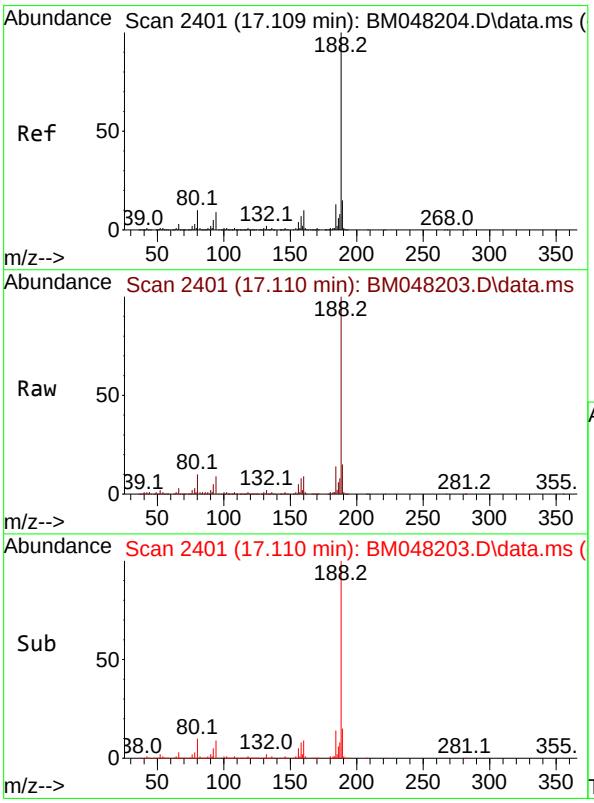
#63
Azobenzene
Concen: 20.770 ng
RT: 15.704 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 553581

Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.3	45.3
105	21.0	1.6	41.6
51	28.7	7.8	47.8

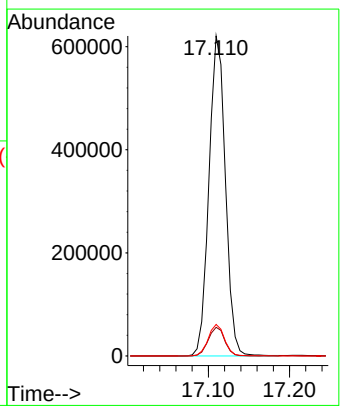


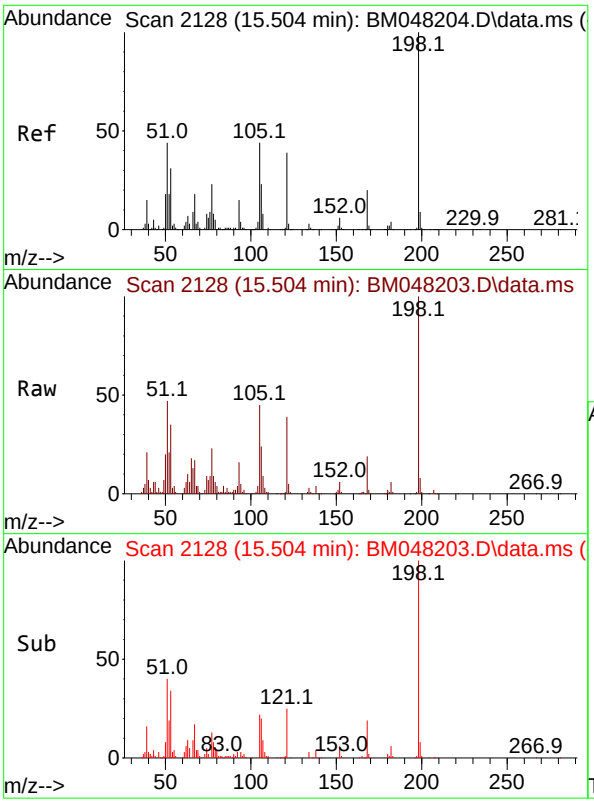


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:188 Resp: 872821

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.3	10.9
80	9.9	8.0	12.0



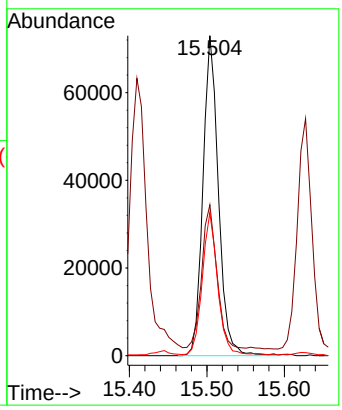


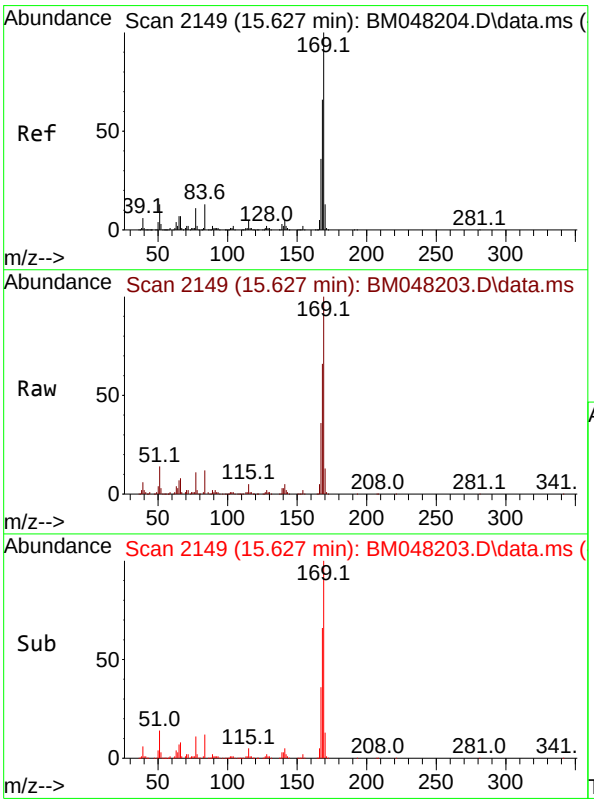
#65
4,6-Dinitro-2-methylphenol
Concen: 19.997 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 101271

Ion	Ratio	Lower	Upper
198	100		
51	47.2	25.4	65.4
105	44.7	23.9	63.9

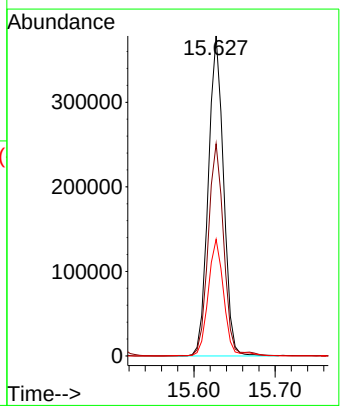


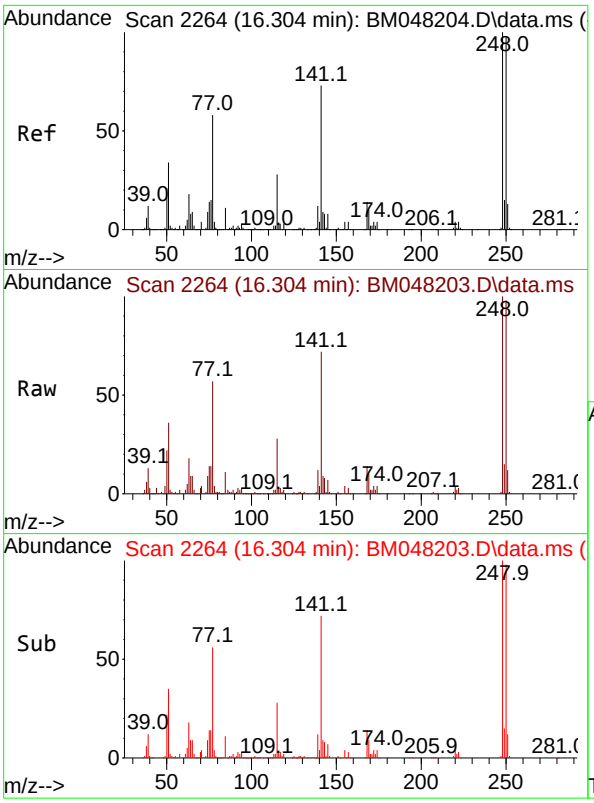


#66
n-Nitrosodiphenylamine
Concen: 20.564 ng
RT: 15.627 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:169 Resp: 492715

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.9	79.3
167	36.4	29.3	43.9



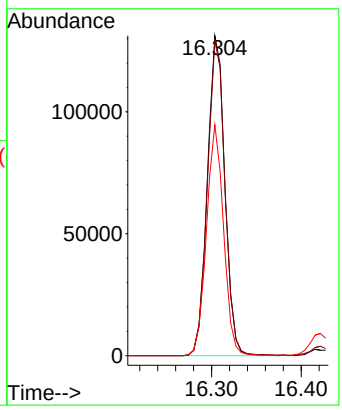


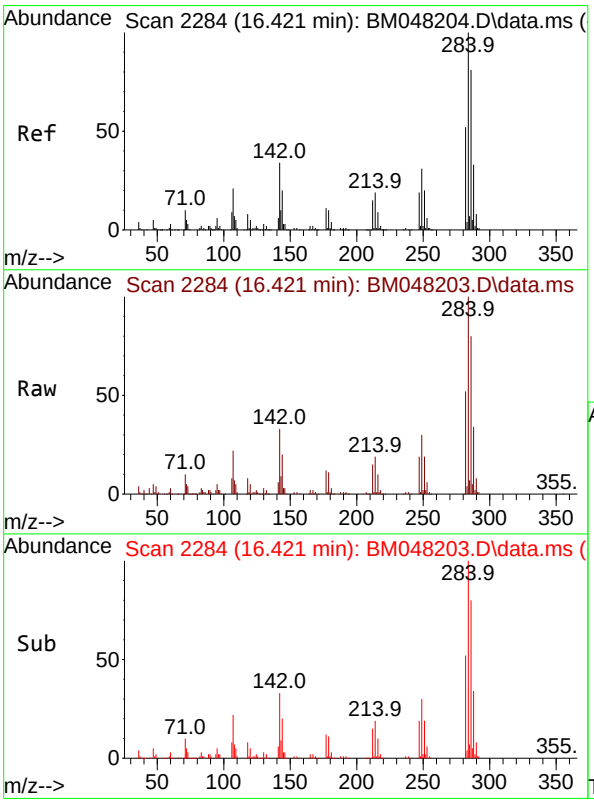
#67
4-Bromophenyl-phenylether
Concen: 20.112 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 177972

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.3	117.5
141	72.2	58.0	87.0

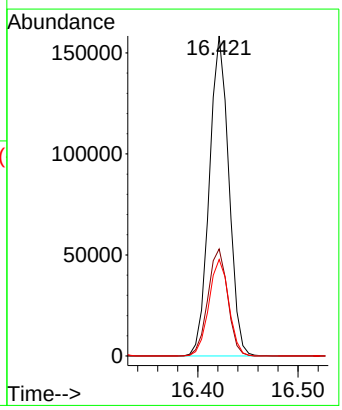


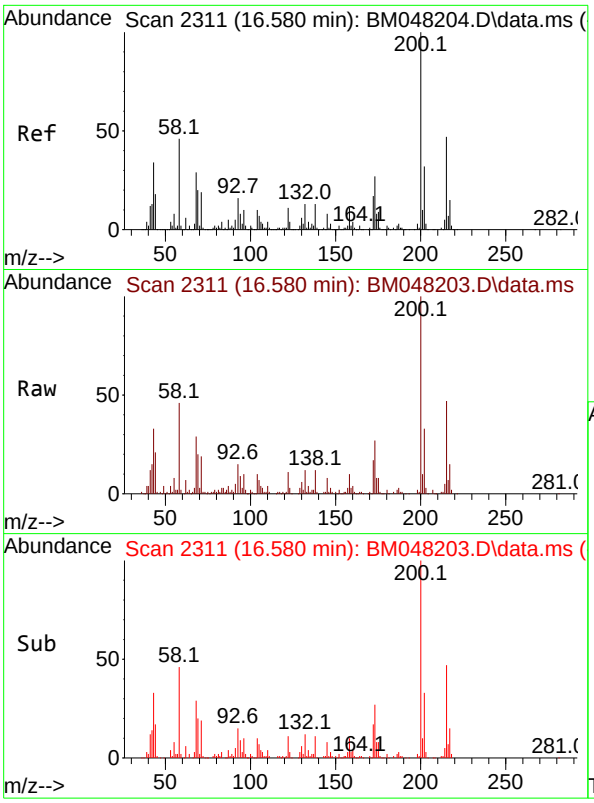


#68
Hexachlorobenzene
Concen: 20.138 ng
RT: 16.421 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:284 Resp: 214037

Ion	Ratio	Lower	Upper
284	100		
142	33.5	27.0	40.4
249	30.2	24.6	36.8



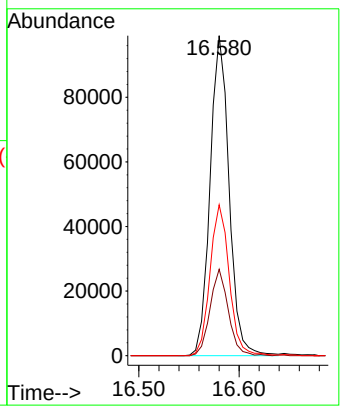


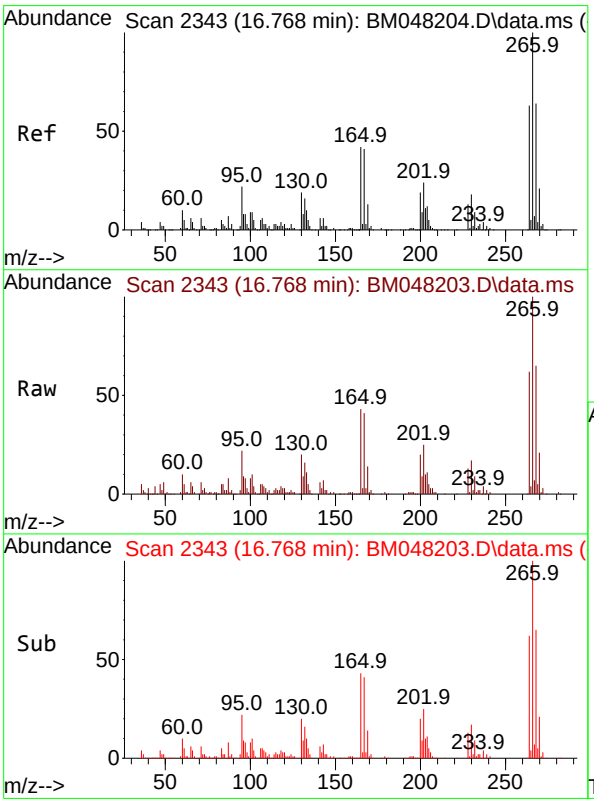
#69
Atrazine
Concen: 19.475 ng
RT: 16.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 130564

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.5	46.5
215	47.1	27.2	67.2

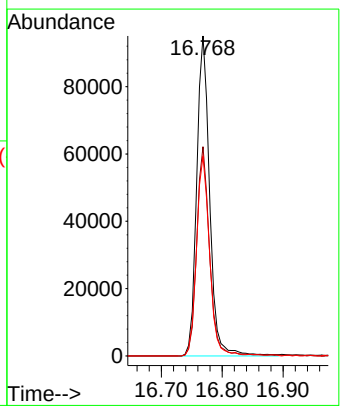


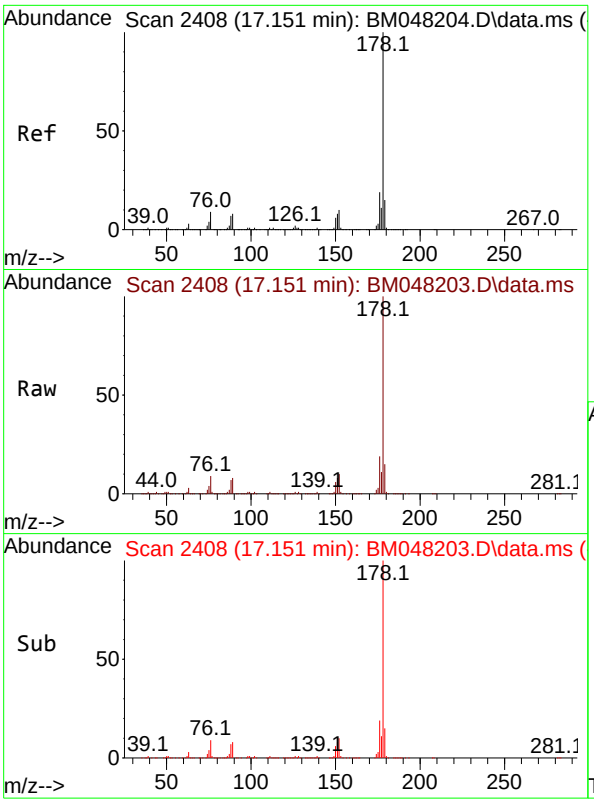


#70
Pentachlorophenol
Concen: 20.162 ng
RT: 16.768 min Scan# 2343
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:266 Resp: 140690

Ion	Ratio	Lower	Upper
266	100		
268	65.4	50.8	76.2
264	62.4	50.2	75.2



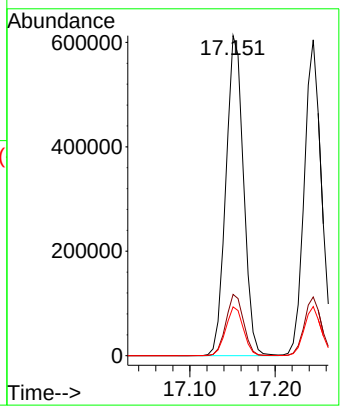


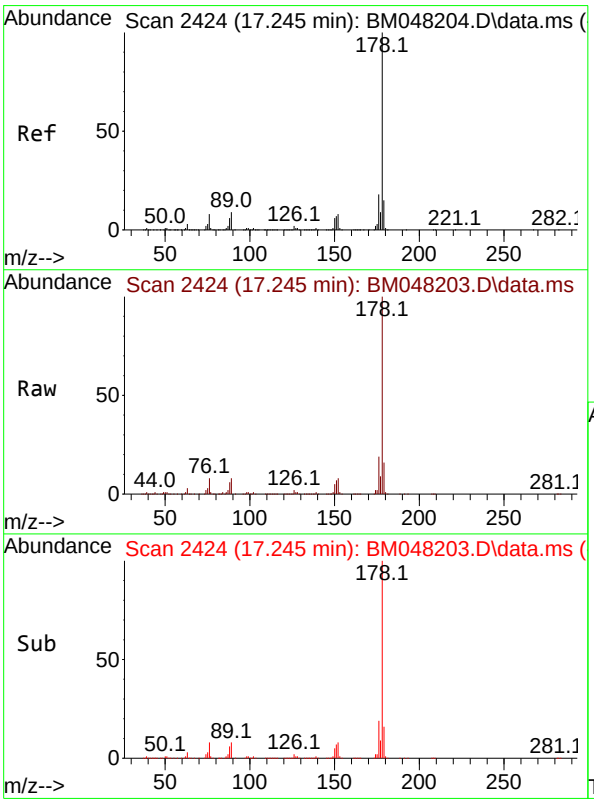
#71
Phenanthrene
Concen: 20.362 ng
RT: 17.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 880045

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.4	18.6

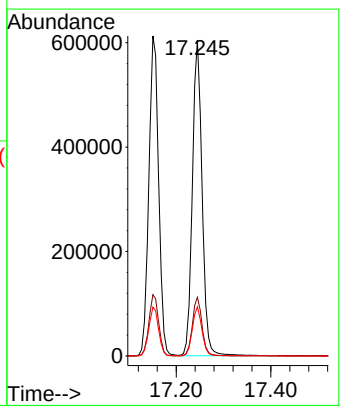


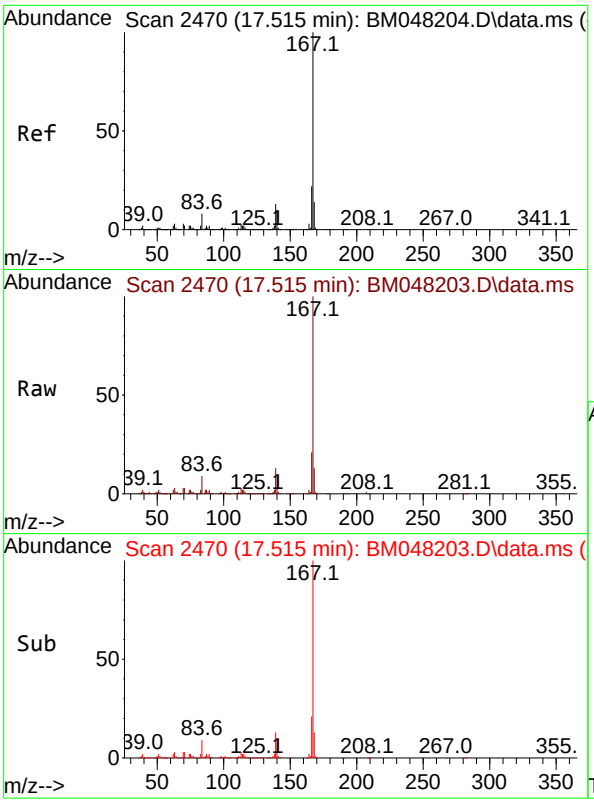


#72
Anthracene
Concen: 20.553 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:178 Resp: 859916

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.5	12.2	18.2



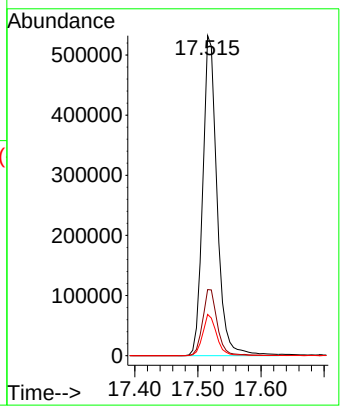


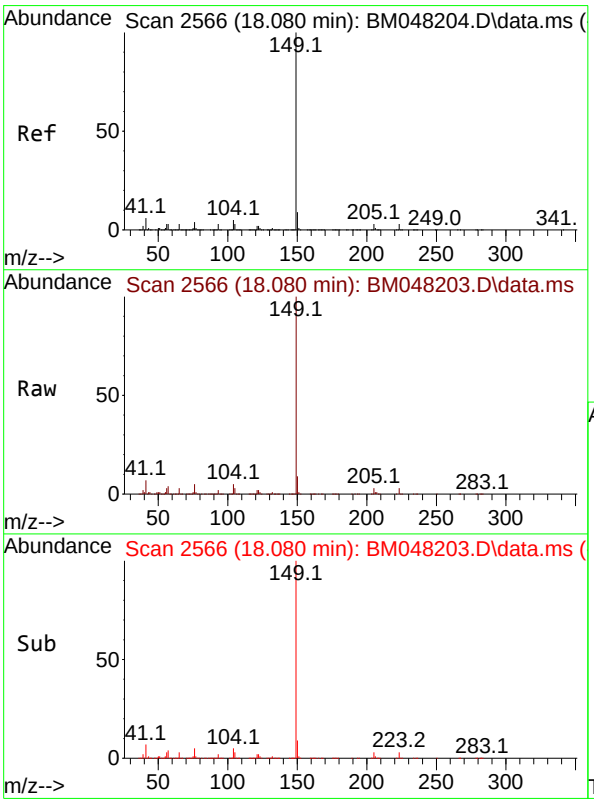
#73
Carbazole
Concen: 20.394 ng
RT: 17.515 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 836432

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.9	10.4	15.6

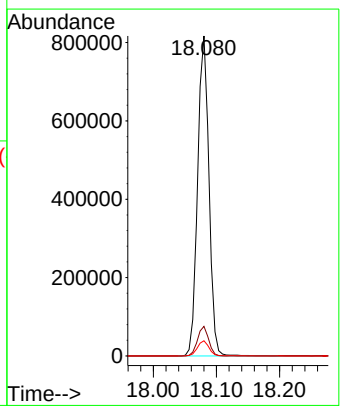


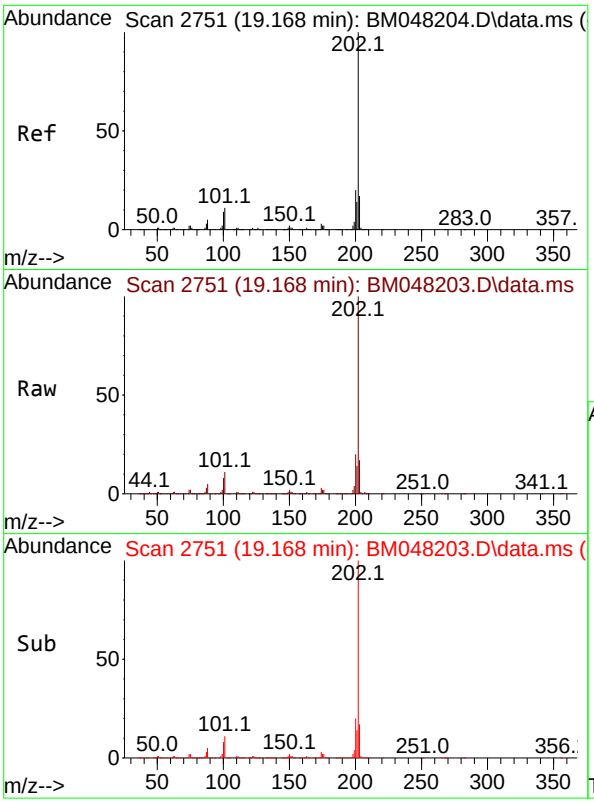


#74
Di-n-butylphthalate
Concen: 19.896 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:149 Resp: 1015735

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	4.7	3.8	5.6



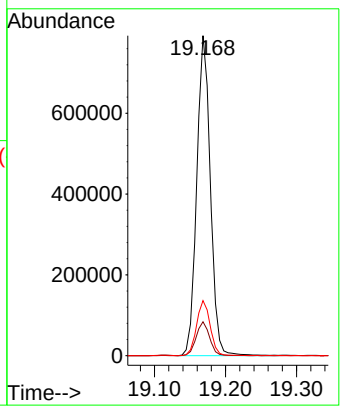


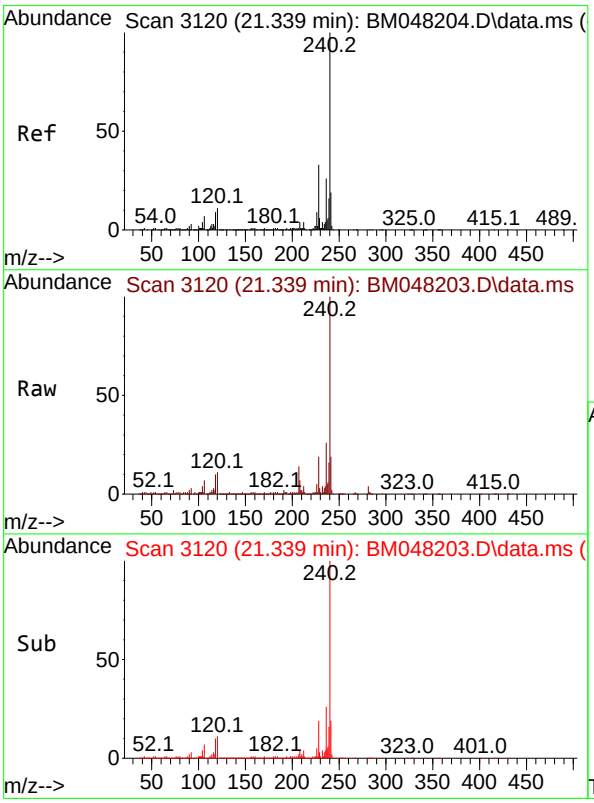
#75
Fluoranthene
Concen: 20.480 ng
RT: 19.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1055856

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.0
203	17.2	0.0	37.5

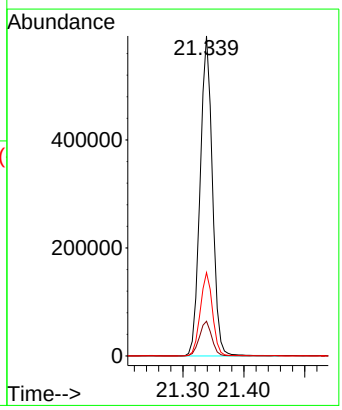


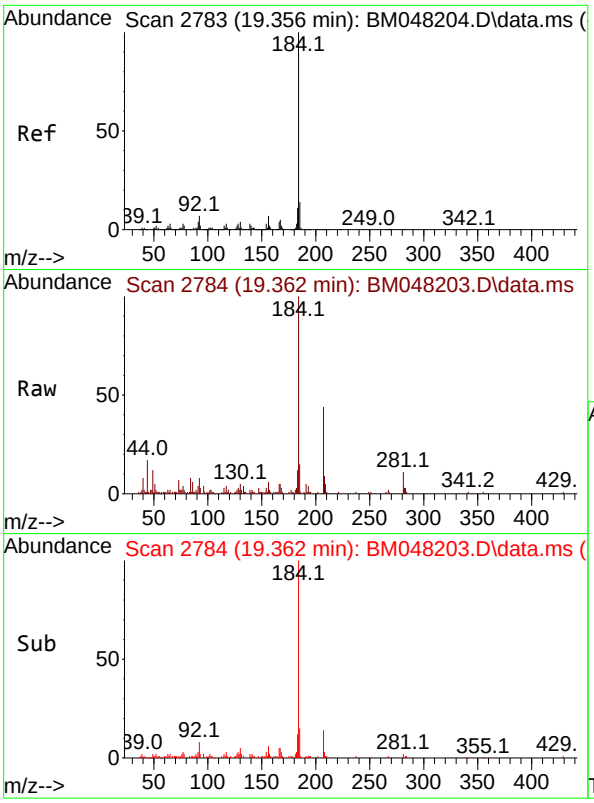


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:240 Resp: 831722

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	13.0
236	26.0	20.7	31.1



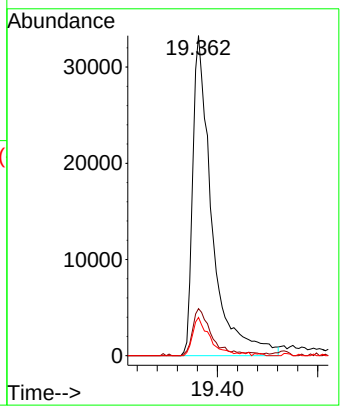


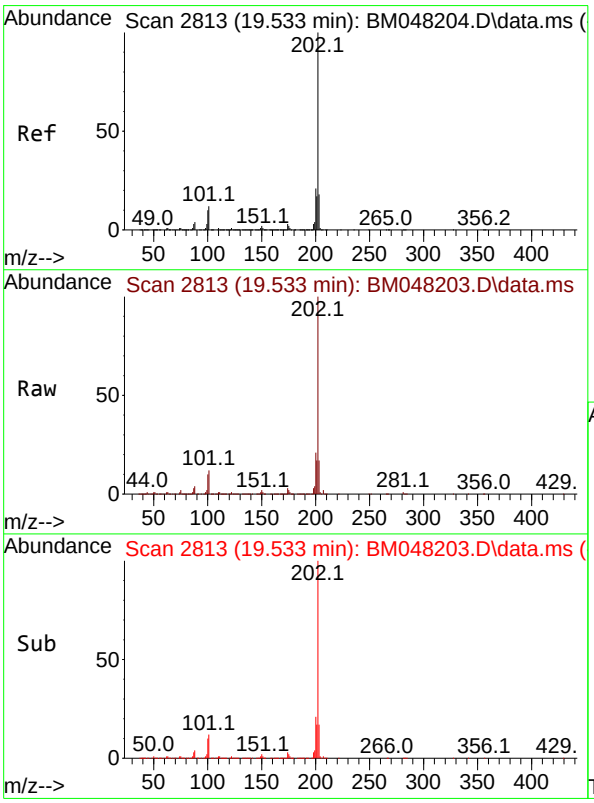
#77
Benzidine
Concen: 9.234 ng
RT: 19.362 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 88633

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.0
183	11.9	9.0	13.4

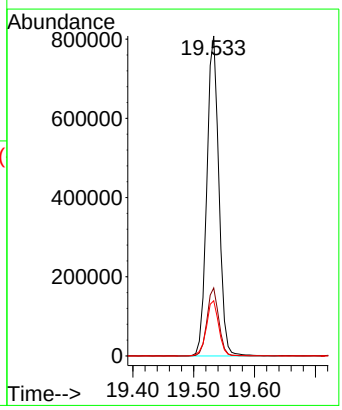


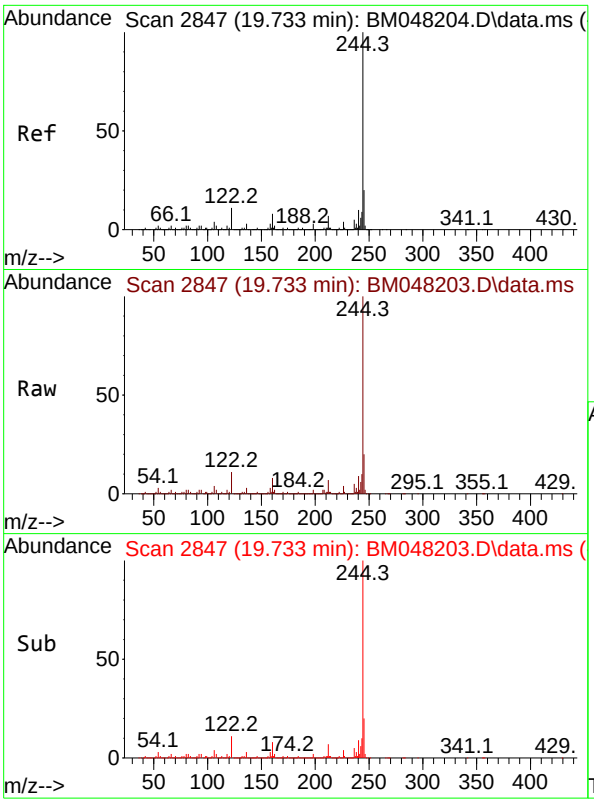


#78
Pyrene
Concen: 19.893 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:202 Resp: 1107442

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.3	14.1	21.1



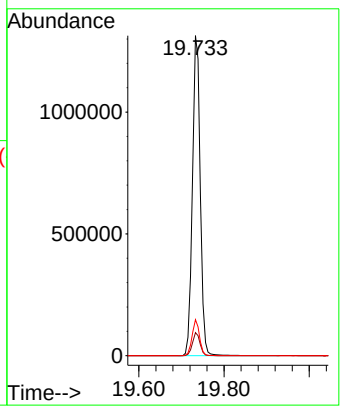


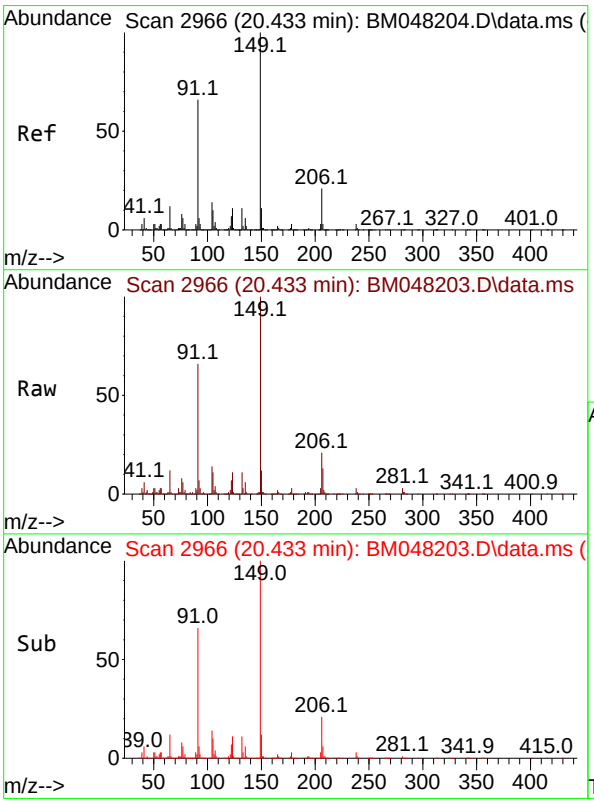
#79
Terphenyl-d14
Concen: 41.004 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1671158

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.3	8.8	13.2

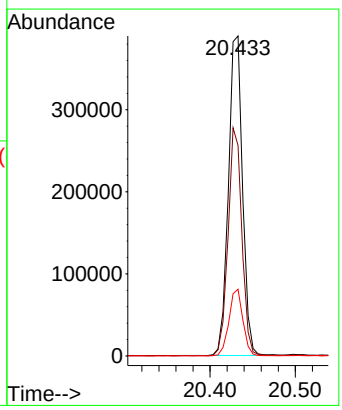


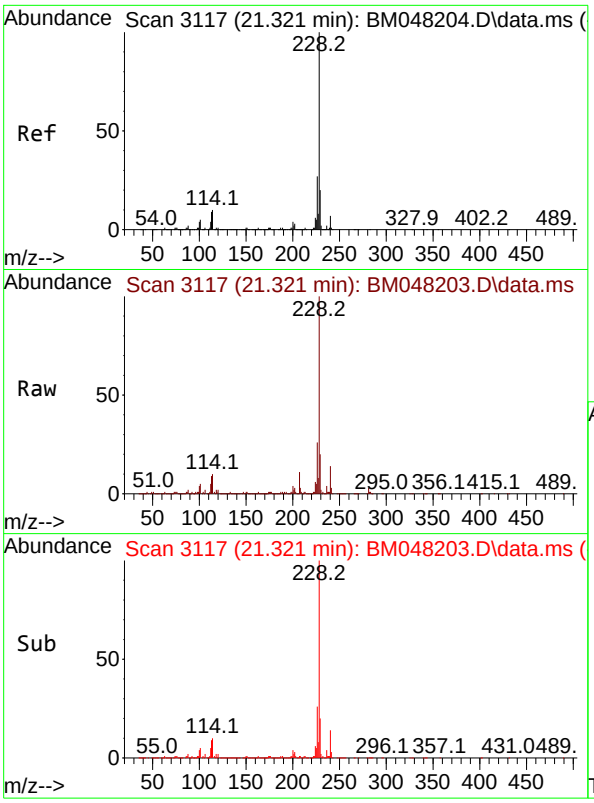


#80
Butylbenzylphthalate
Concen: 19.361 ng
RT: 20.433 min Scan# 2966
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:149 Resp: 450711

Ion	Ratio	Lower	Upper
149	100		
91	65.8	52.5	78.7
206	20.9	17.0	25.6



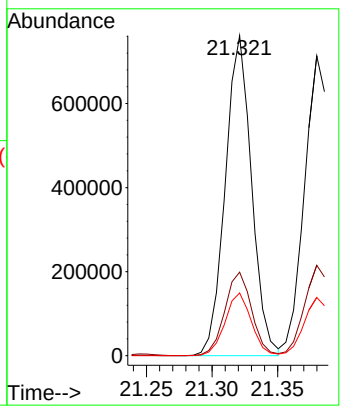


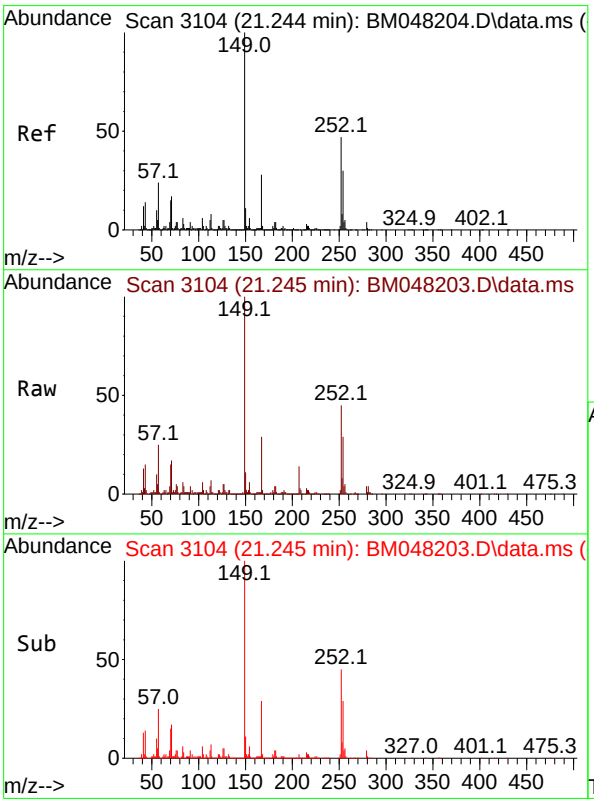
#81
Benzo(a)anthracene
Concen: 19.987 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1062270

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.5	32.3
229	19.6	15.7	23.5

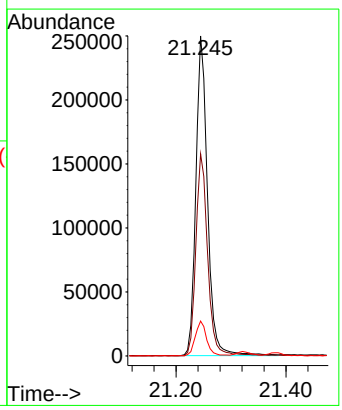


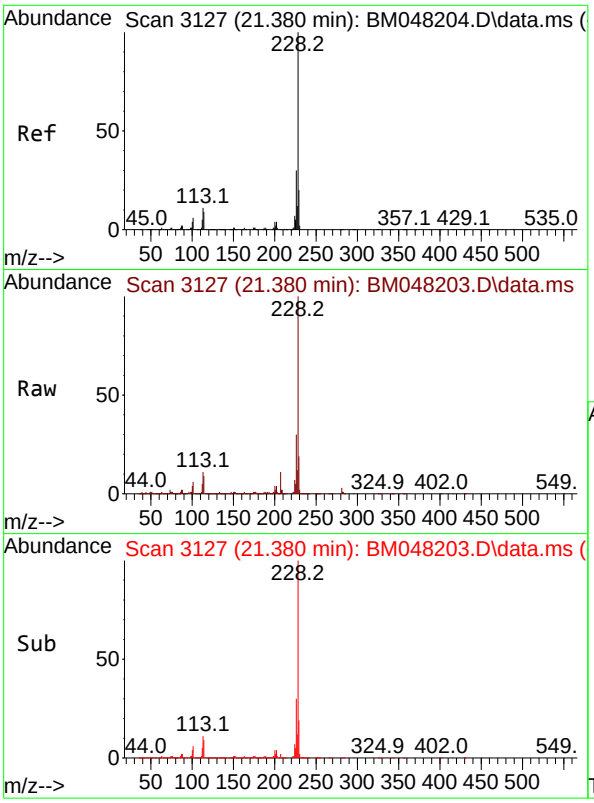


#82
3,3'-Dichlorobenzidine
Concen: 20.212 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:252 Resp: 367967

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.8	77.8
126	10.9	8.8	13.2



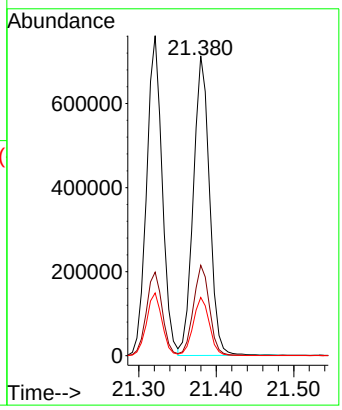


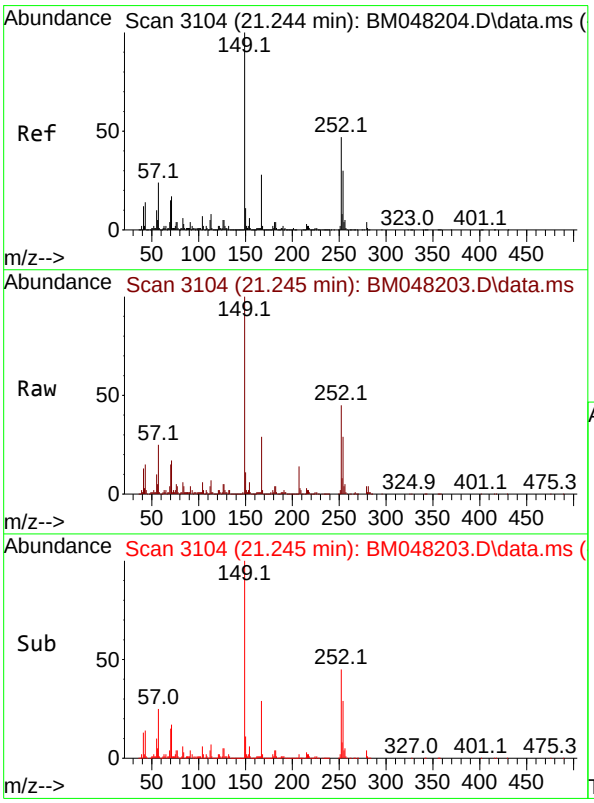
#83
Chrysene
Concen: 20.251 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1033136

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.5	35.3
229	19.4	15.7	23.5

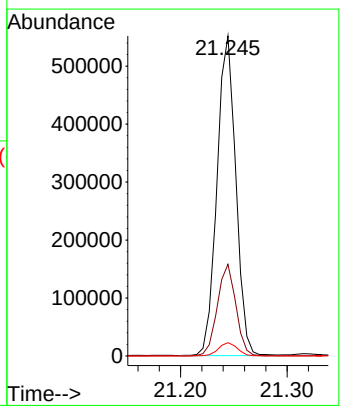


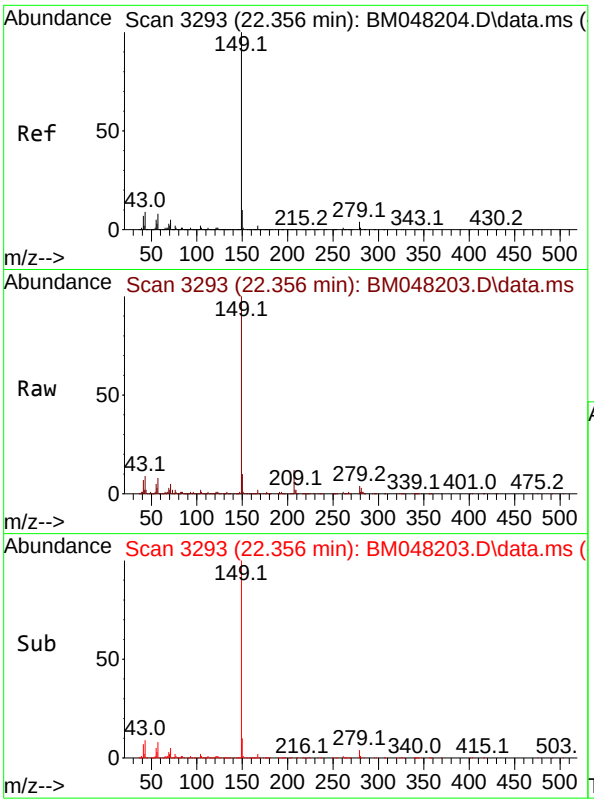


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.986 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:149 Resp: 676221

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.5	33.7
279	4.2	3.3	4.9



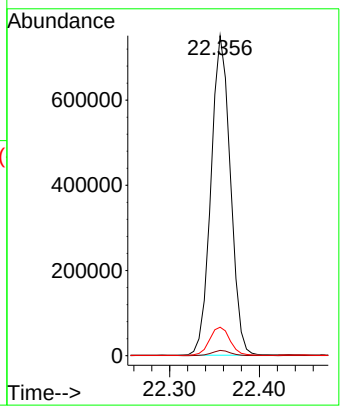


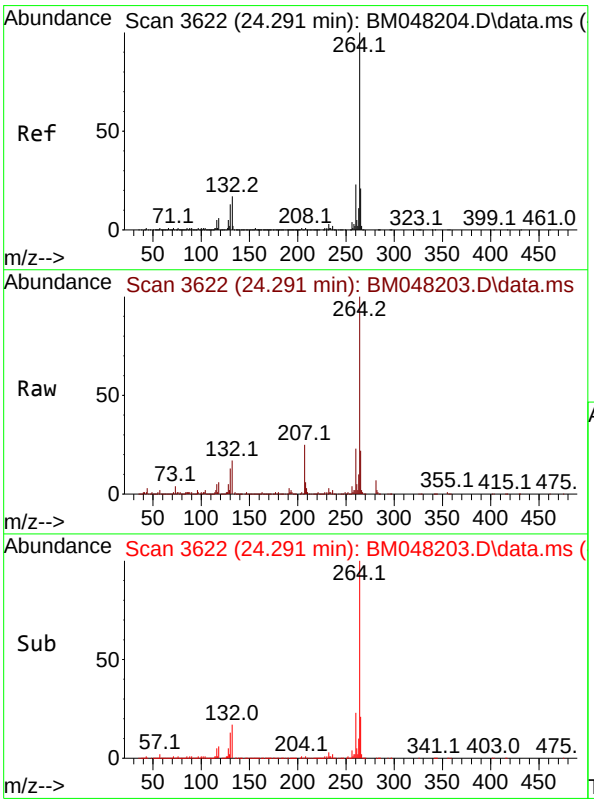
#85
Di-n-octyl phthalate
Concen: 19.259 ng
RT: 22.356 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1128601

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.3	7.3	10.9

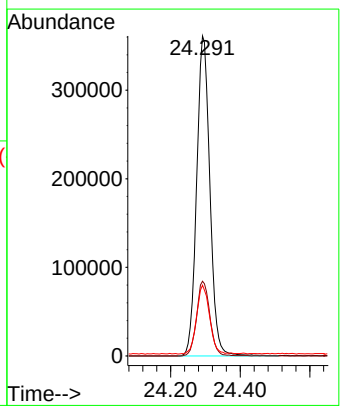


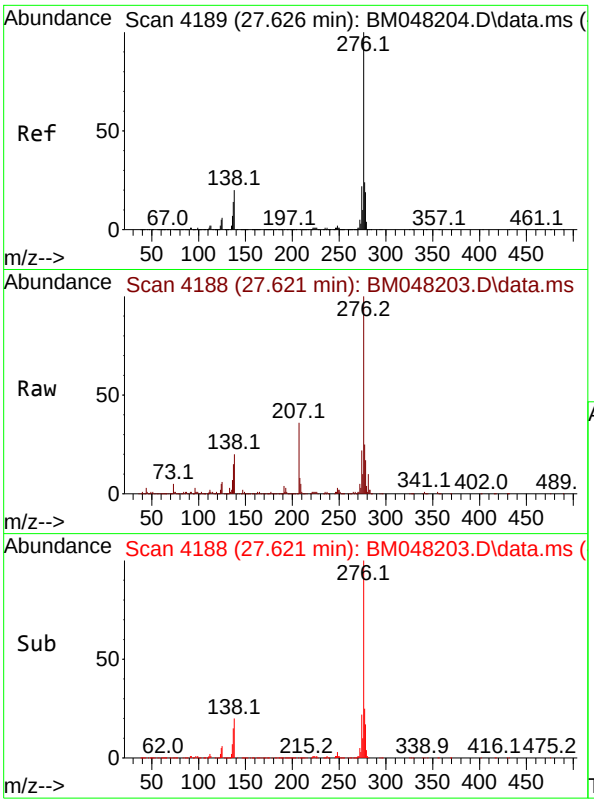


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:264 Resp: 953712

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	22.1	17.4	26.2



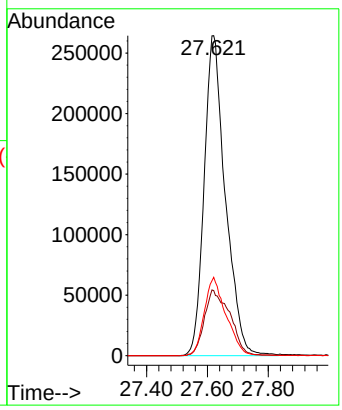


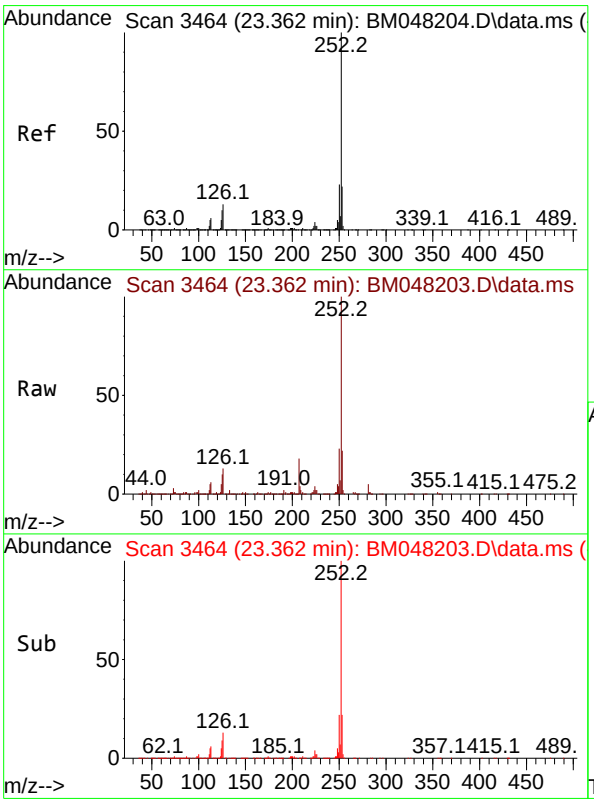
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.306 ng
RT: 27.621 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1280618

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.2	20.0	30.0

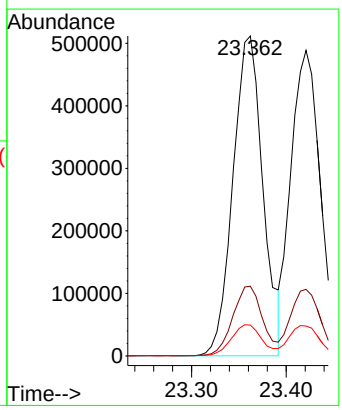


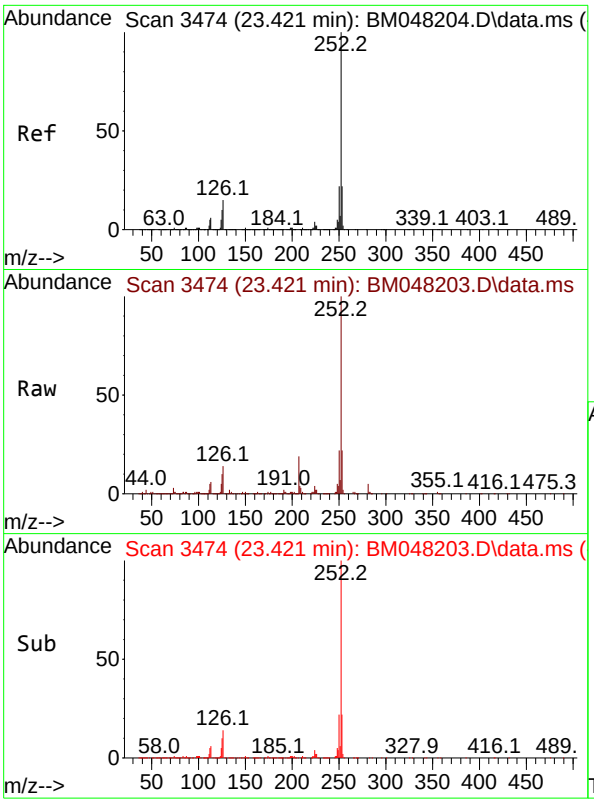


#88
Benzo(b)fluoranthene
Concen: 20.554 ng
RT: 23.362 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:252 Resp: 1123950

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.6	7.9	11.9



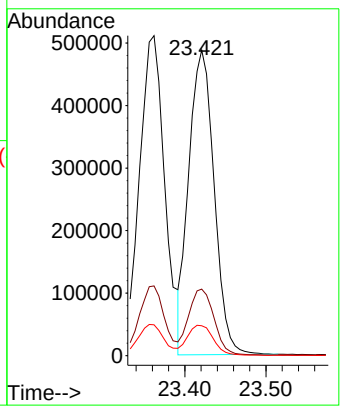


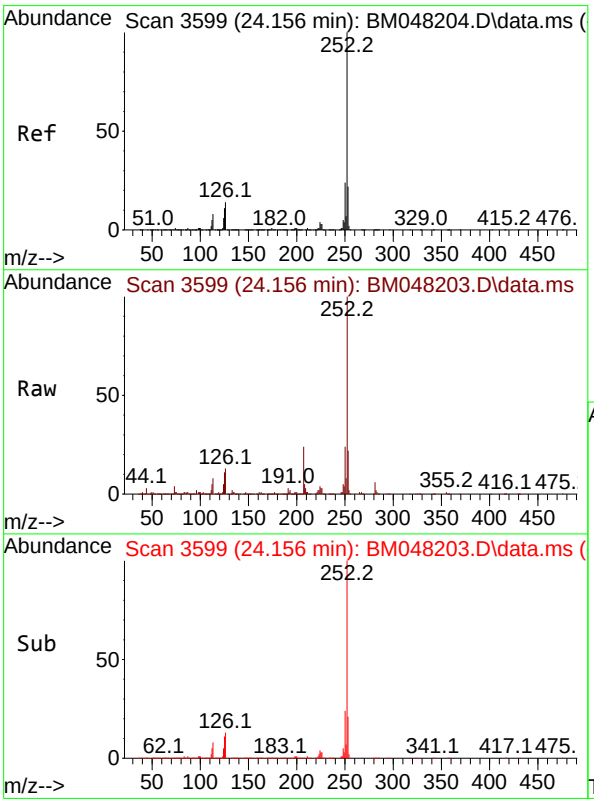
#89
Benzo(k)fluoranthene
Concen: 20.007 ng
RT: 23.421 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1057769

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.8	7.8	11.6

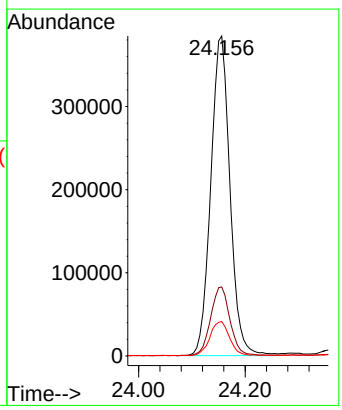


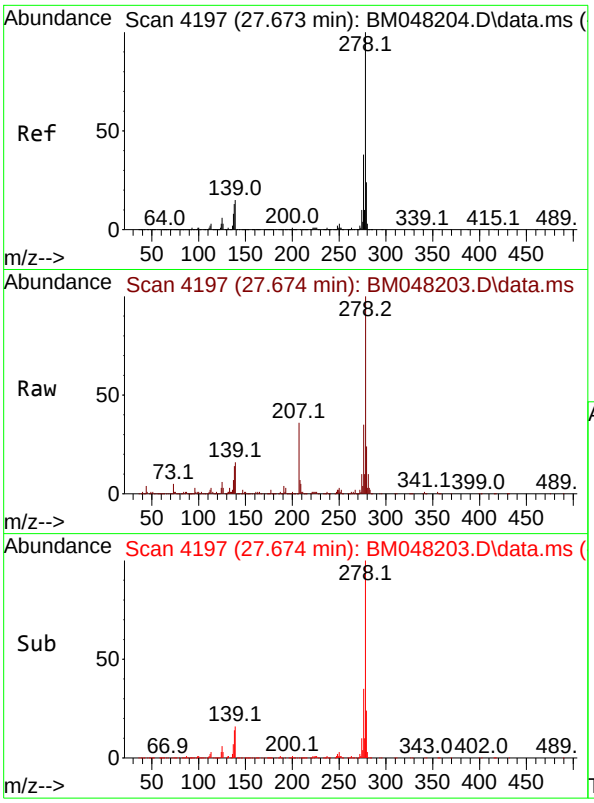


#90
Benzo(a)pyrene
Concen: 20.209 ng
RT: 24.156 min Scan# 3599
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:252 Resp: 960718

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	10.8	8.8	13.2



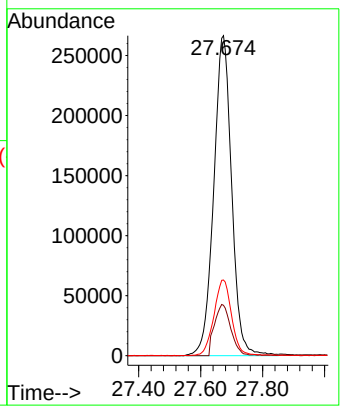


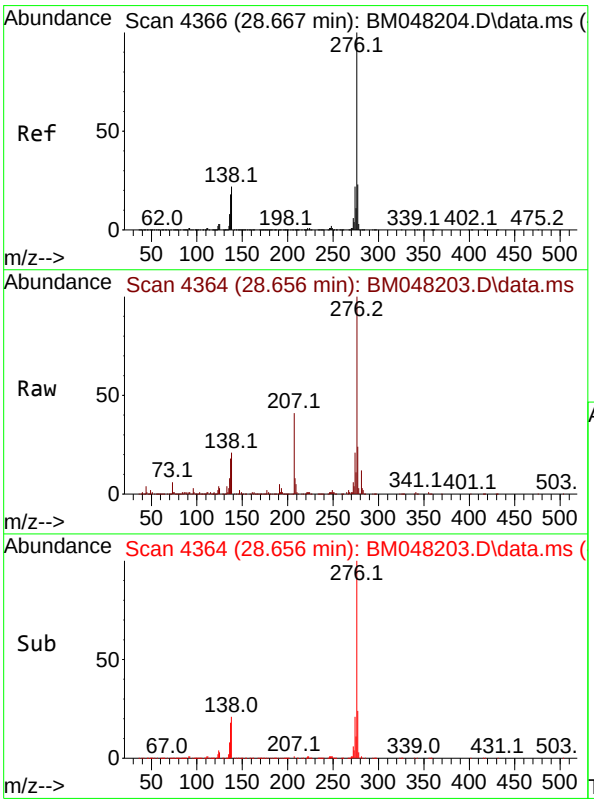
#91
Dibenzo(a,h)anthracene
Concen: 20.374 ng
RT: 27.674 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1070024

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.2	18.4
279	23.6	19.0	28.6

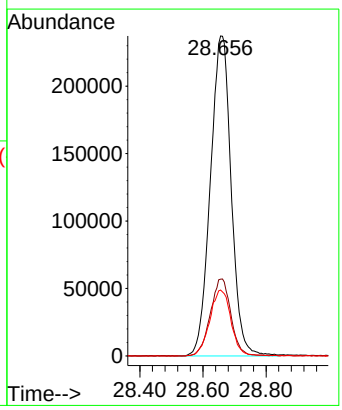




#92
Benzo(g,h,i)perylene
Concen: 20.184 ng
RT: 28.656 min Scan# 4364
Delta R.T. -0.012 min
Lab File: BM048203.D
Acq: 23 Oct 2024 14:24

Tgt Ion:276 Resp: 1085482

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	20.6	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048204.D
Acq On : 23 Oct 2024 15:04
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:00:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	155293	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	626547	20.000	ng	0.00
39) Acenaphthene-d10	14.368	164	401678	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	809301	20.000	ng	0.00
76) Chrysene-d12	21.339	240	767144	20.000	ng	0.00
86) Perylene-d12	24.291	264	886257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	755344	81.761	ng	0.00
7) Phenol-d6	6.904	99	990197	82.301	ng	0.00
23) Nitrobenzene-d5	8.880	82	924609	83.324	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	415968	84.605	ng	0.00
45) 2-Fluorobiphenyl	12.986	172	2142378	81.843	ng	0.00
79) Terphenyl-d14	19.733	244	3096609	82.375	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.204	88	155963	41.242	ng	100
3) Pyridine	3.610	79	412733m	41.154	ng	
4) n-Nitrosodimethylamine	3.516	42	177598	41.638	ng	100
6) Aniline	7.057	93	430289	43.085	ng	100
8) 2-Chlorophenol	7.292	128	410825	40.932	ng	100
9) Benzaldehyde	6.869	77	235980	39.856	ng	100
10) Phenol	6.934	94	496908	41.051	ng	100
11) bis(2-Chloroethyl)ether	7.151	93	397715	41.250	ng	100
12) 1,3-Dichlorobenzene	7.610	146	469513	40.575	ng	100
13) 1,4-Dichlorobenzene	7.757	146	471233	40.085	ng	100
14) 1,2-Dichlorobenzene	8.075	146	460607	40.541	ng	100
15) Benzyl Alcohol	7.969	79	324442	42.269	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	570509	40.455	ng	100
17) 2-Methylphenol	8.175	107	331244	41.182	ng	100
18) Hexachloroethane	8.798	117	175339	40.694	ng	100
19) n-Nitroso-di-n-propyla...	8.533	70	313689	41.212	ng	100
20) 3+4-Methylphenols	8.504	107	470617	42.236	ng	100
22) Acetophenone	8.545	105	628510	41.103	ng	100
24) Nitrobenzene	8.922	77	474988	41.313	ng	100
25) Isophorone	9.451	82	842236	41.408	ng	100
26) 2-Nitrophenol	9.633	139	226149	42.600	ng	100
27) 2,4-Dimethylphenol	9.704	122	269705	41.876	ng	100
28) bis(2-Chloroethoxy)met...	9.933	93	536708	41.699	ng	100
29) 2,4-Dichlorophenol	10.175	162	389933	42.086	ng	100
30) 1,2,4-Trichlorobenzene	10.380	180	431582	40.672	ng	100
31) Naphthalene	10.563	128	1330858	40.726	ng	100
32) Benzoic acid	9.851	122	310993	43.193	ng	100
33) 4-Chloroaniline	10.680	127	470590	44.402	ng	100
34) Hexachlorobutadiene	10.851	225	267830	40.725	ng	100
35) Caprolactam	11.474	113	129926	43.238	ng	100
36) 4-Chloro-3-methylphenol	11.816	107	406159	41.993	ng	100
37) 2-Methylnaphthalene	12.180	142	897789	41.120	ng	100
38) 1-Methylnaphthalene	12.404	142	891641	41.184	ng	100
40) 1,2,4,5-Tetrachloroben...	12.557	216	464489	40.458	ng	100
41) Hexachlorocyclopentadiene	12.533	237	161950	41.685	ng	100
43) 2,4,6-Trichlorophenol	12.798	196	316794	41.579	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048204.D
Acq On : 23 Oct 2024 15:04
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Oct 23 18:00:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.874	196	354192	41.688	ng	100
46) 1,1'-Biphenyl	13.198	154	1168080	40.730	ng	100
47) 2-Chloronaphthalene	13.239	162	923129	40.824	ng	100
48) 2-Nitroaniline	13.451	65	264524	43.131	ng	100
49) Acenaphthylene	14.086	152	1360288	41.233	ng	100
50) Dimethylphthalate	13.833	163	1121732	40.907	ng	100
51) 2,6-Dinitrotoluene	13.951	165	258245	42.208	ng	100
52) Acenaphthene	14.433	154	854759	40.777	ng	100
53) 3-Nitroaniline	14.280	138	257489	44.625	ng	100
54) 2,4-Dinitrophenol	14.492	184	150875	42.199	ng	100
55) Dibenzofuran	14.768	168	1367158	41.052	ng	100
56) 4-Nitrophenol	14.604	139	222361	43.180	ng	100
57) 2,4-Dinitrotoluene	14.739	165	350683	43.403	ng	100
58) Fluorene	15.415	166	1085490	41.220	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	297172	42.198	ng	100
60) Diethylphthalate	15.192	149	1143973	41.204	ng	100
61) 4-Chlorophenyl-phenyle...	15.409	204	539270	40.956	ng	100
62) 4-Nitroaniline	15.445	138	272051	45.557	ng	100
63) Azobenzene	15.704	77	1055332	42.410	ng	100
65) 4,6-Dinitro-2-methylph...	15.504	198	209593	44.635	ng	100
66) n-Nitrosodiphenylamine	15.627	169	921798	41.491	ng	100
67) 4-Bromophenyl-phenylether	16.304	248	336878	41.056	ng	100
68) Hexachlorobenzene	16.421	284	405817	41.179	ng	100
69) Atrazine	16.580	200	301208	48.454	ng	100
70) Pentachlorophenol	16.768	266	278981	43.118	ng	100
71) Phenanthrene	17.151	178	1646313	41.081	ng	100
72) Anthracene	17.245	178	1615333	41.639	ng	100
73) Carbazole	17.515	167	1609255	42.316	ng	100
74) Di-n-butylphthalate	18.080	149	2007999	42.419	ng	100
75) Fluoranthene	19.168	202	1979689	41.413	ng	100
77) Benzidine	19.356	184	527348	59.563	ng	100
78) Pyrene	19.533	202	2083036	40.568	ng	100
80) Butylbenzylphthalate	20.433	149	903733	42.089	ng	100
81) Benzo(a)anthracene	21.321	228	1989420	40.582	ng	100
82) 3,3'-Dichlorobenzidine	21.244	252	725818	43.225	ng	100
83) Chrysene	21.380	228	1908602	40.561	ng	100
84) Bis(2-ethylhexyl)phtha...	21.244	149	1321580	42.348	ng	100
85) Di-n-octyl phthalate	22.356	149	2287966	42.331	ng	100
87) Indeno(1,2,3-cd)pyrene	27.626	276	2434121	41.534	ng	100
88) Benzo(b)fluoranthene	23.362	252	2094557	41.220	ng	100
89) Benzo(k)fluoranthene	23.421	252	2033783	41.396	ng	100
90) Benzo(a)pyrene	24.156	252	1832122	41.472	ng	100
91) Dibenzo(a,h)anthracene	27.673	278	2032608	41.649	ng	100
92) Benzo(g,h,i)perylene	28.667	276	2048720	40.995	ng	100

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

ICAL Form

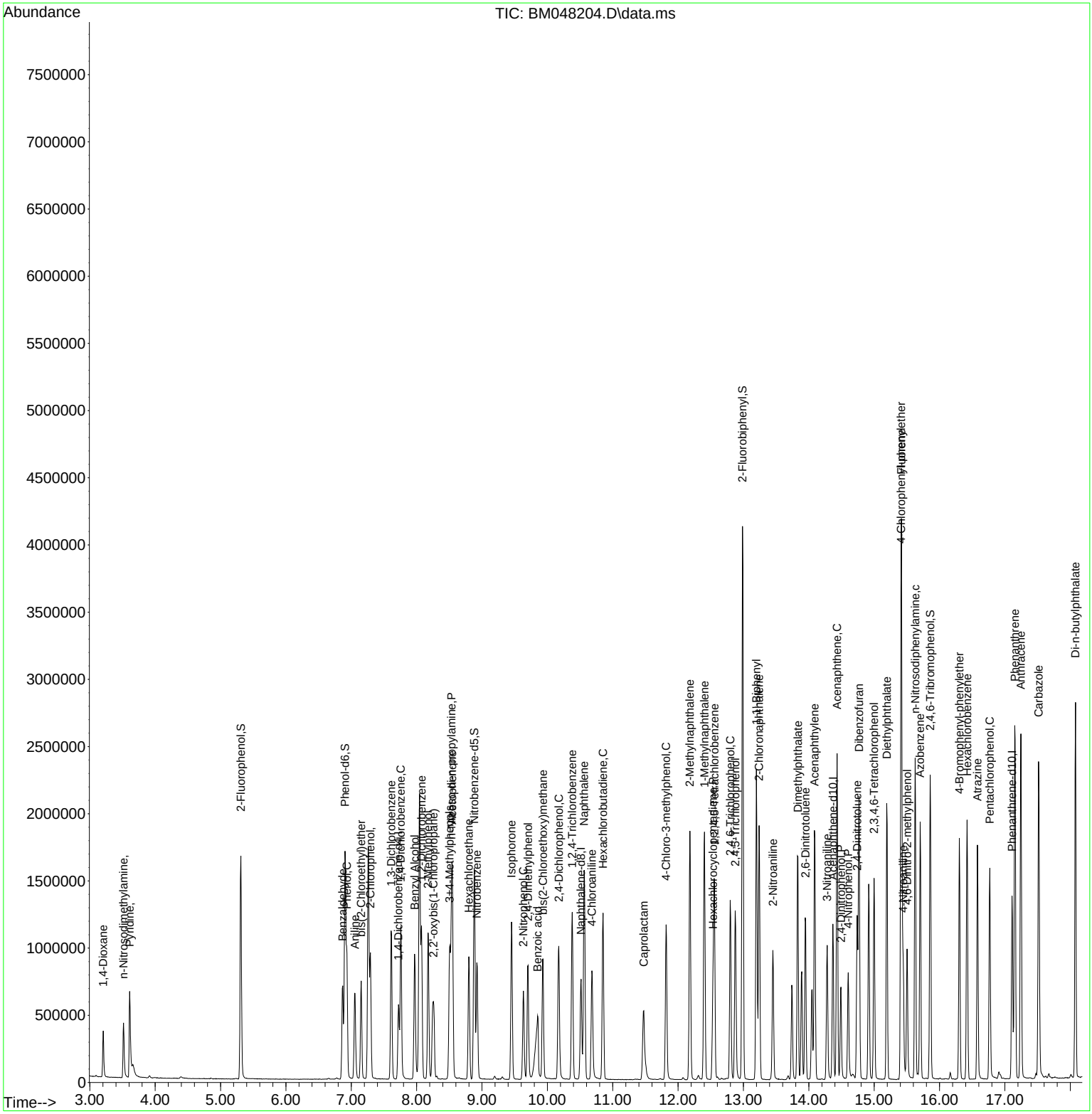
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Data File : BM048204.D
Acq On : 23 Oct 2024 15:04
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 18:00:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

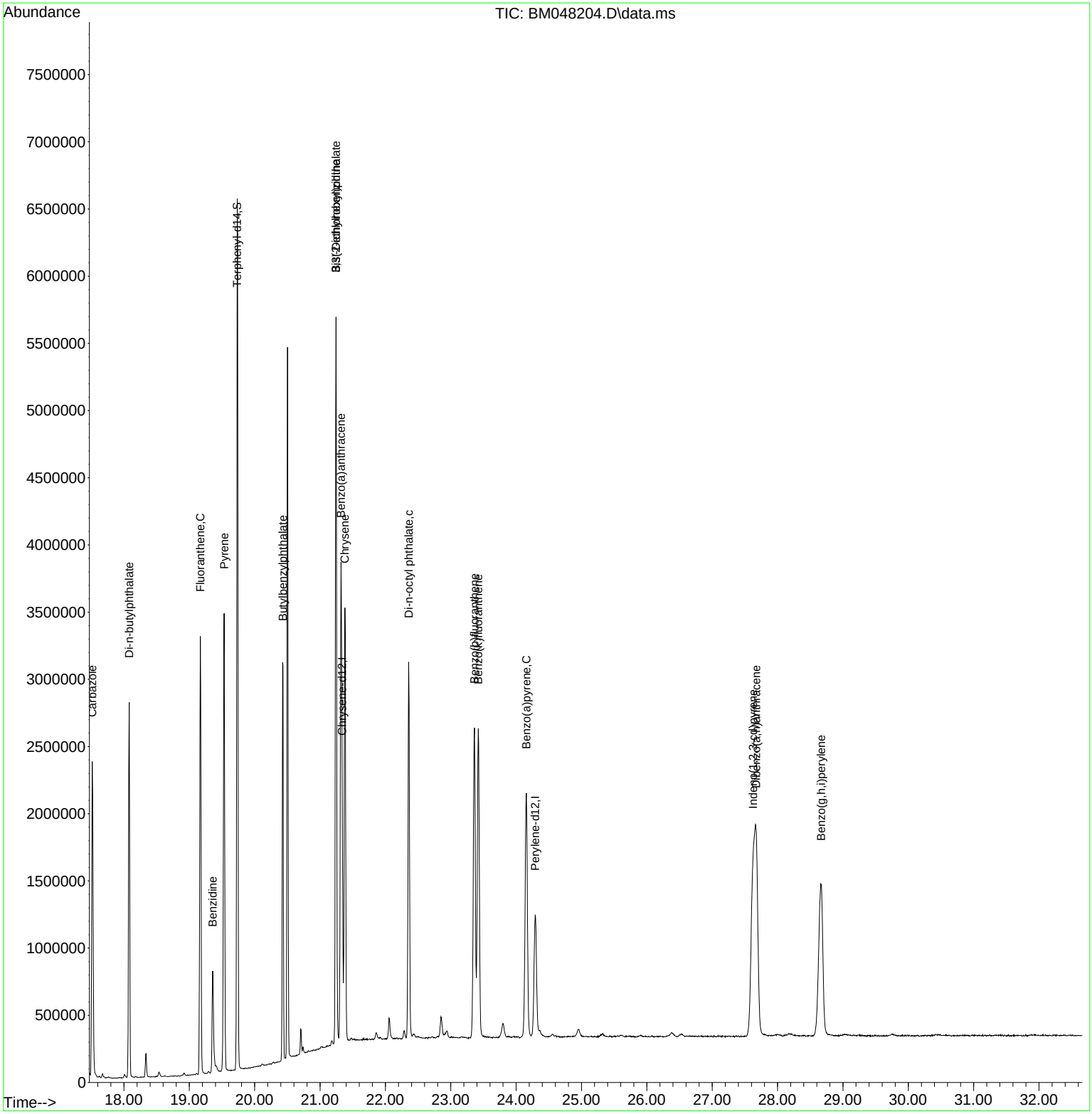
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048204.D
Acq On : 23 Oct 2024 15:04
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

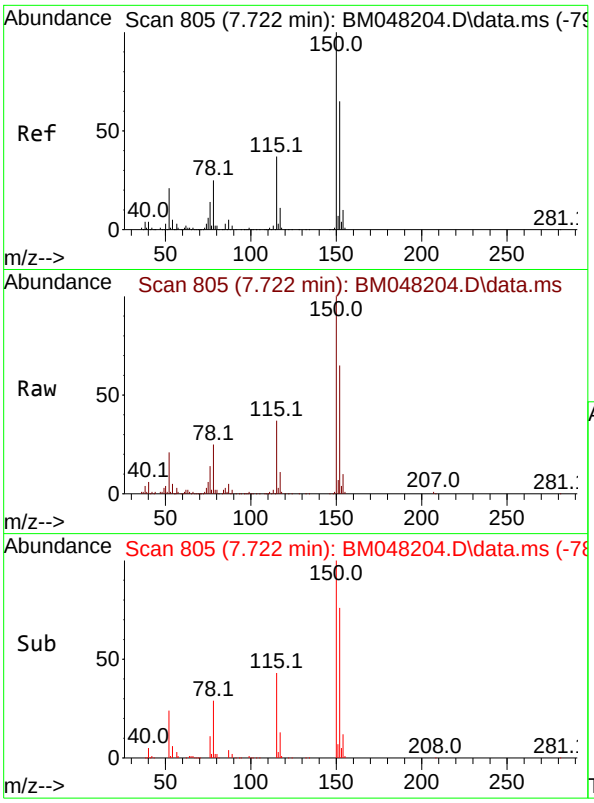
Quant Time: Oct 23 18:00:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

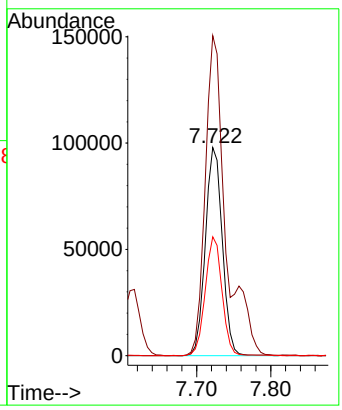




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:152 Resp: 15529

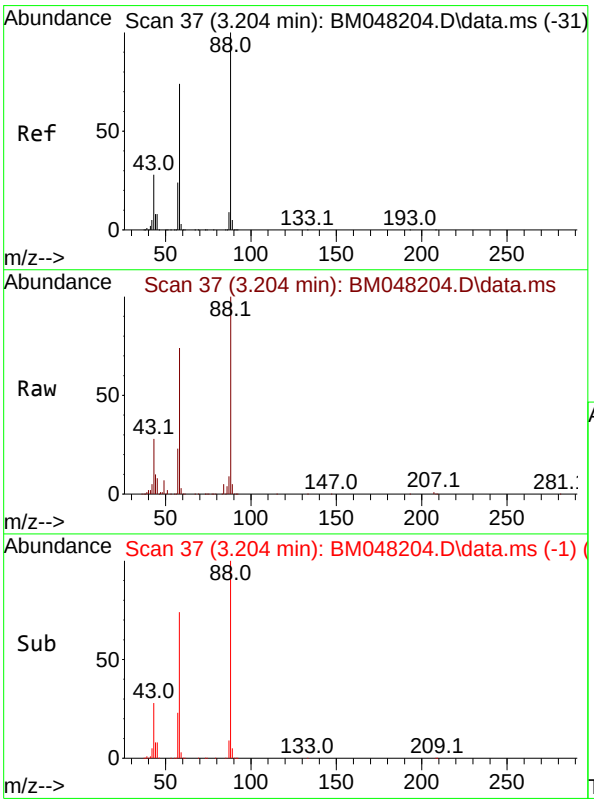
Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.0	184.6
115	57.2	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

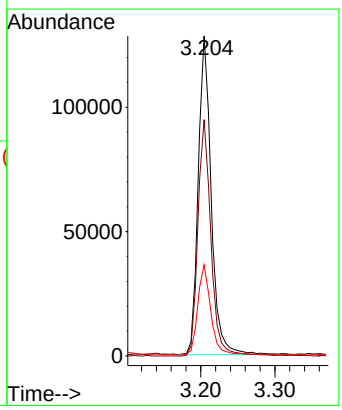
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

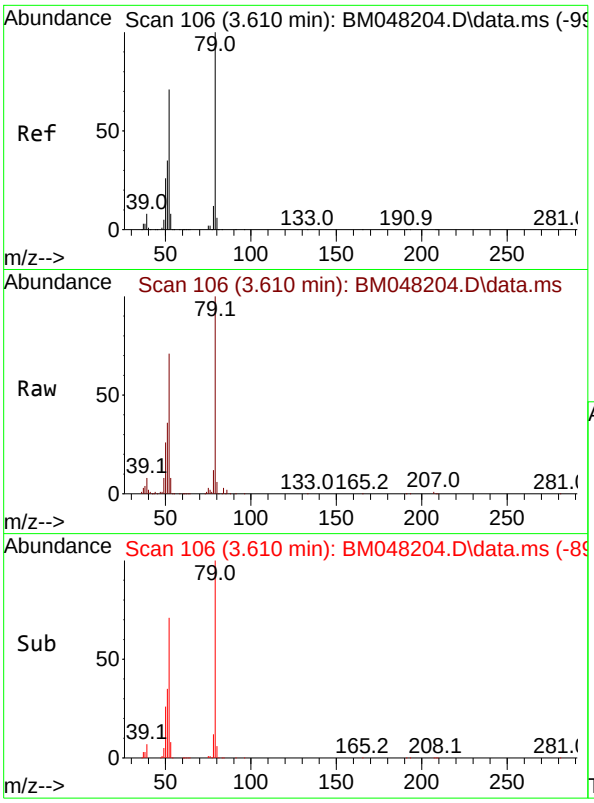


#2
1,4-Dioxane
Concen: 41.242 ng
RT: 3.204 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 88 Resp: 155963

Ion	Ratio	Lower	Upper
88	100		
58	74.6	59.7	89.5
43	28.2	22.6	33.8

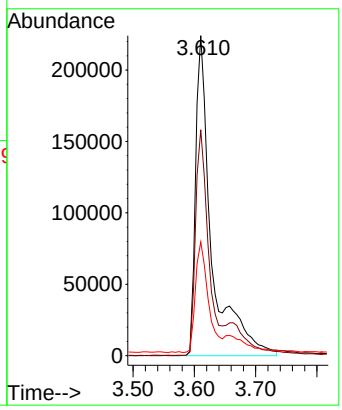




#3
Pyridine
Concen: 41.154 ng m
RT: 3.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 79 Resp: 41273

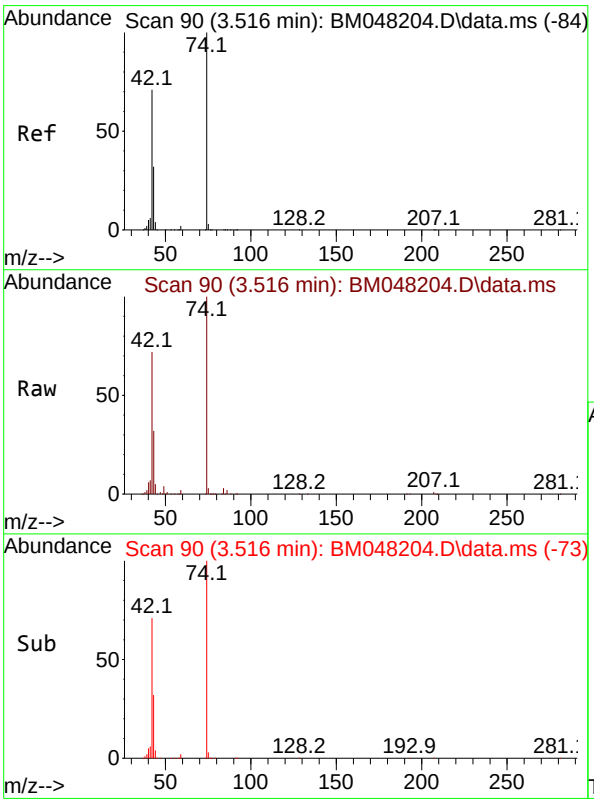
Ion	Ratio	Lower	Upper
79	100		
52	70.6	56.5	84.7
51	35.6	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

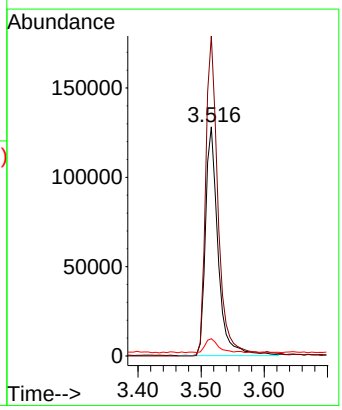
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

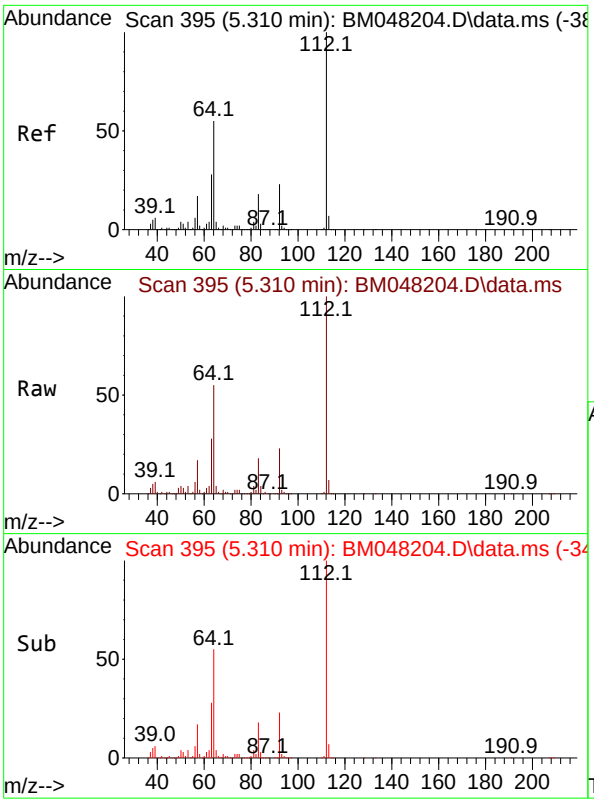


#4
n-Nitrosodimethylamine
Concen: 41.638 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 42 Resp: 177598

Ion	Ratio	Lower	Upper
42	100		
74	139.7	111.8	167.6
44	7.5	6.0	9.0

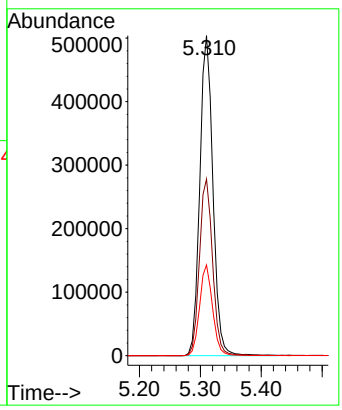




#5
2-Fluorophenol
Concen: 81.761 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:112 Resp: 75534

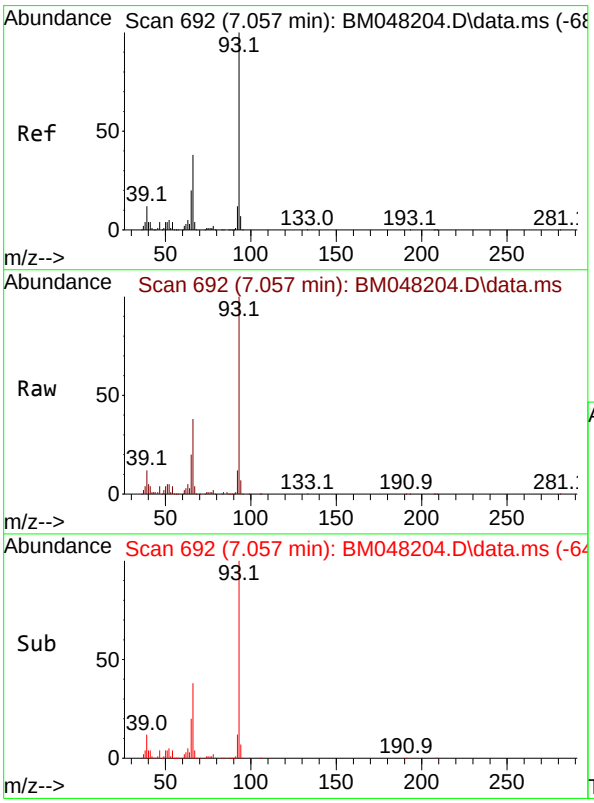
Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.2	66.2
63	28.4	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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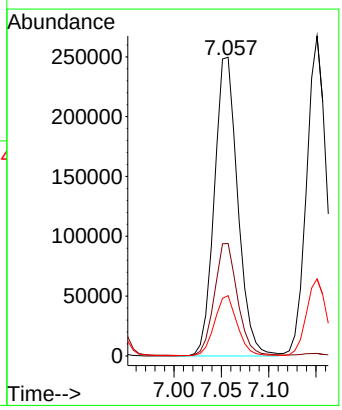
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

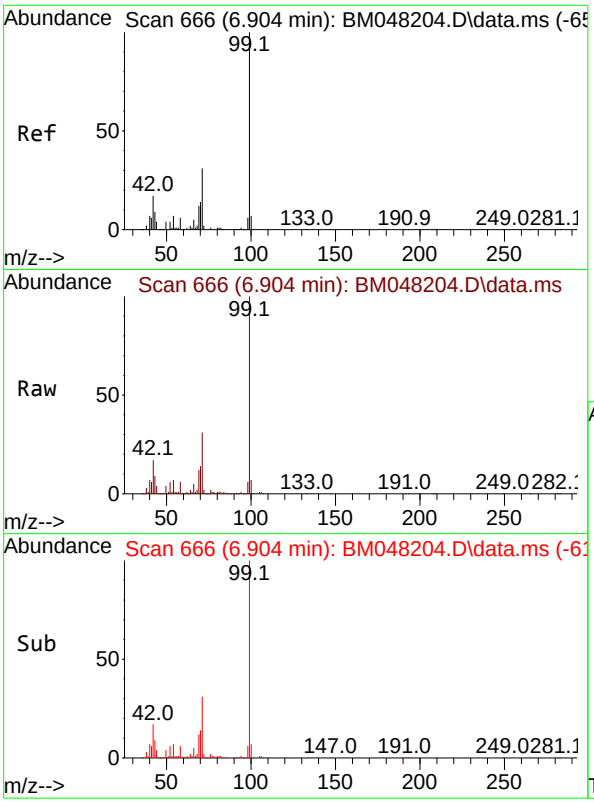


#6
Aniline
Concen: 43.085 ng
RT: 7.057 min Scan# 692
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 93 Resp: 430289

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	20.2	16.2	24.2

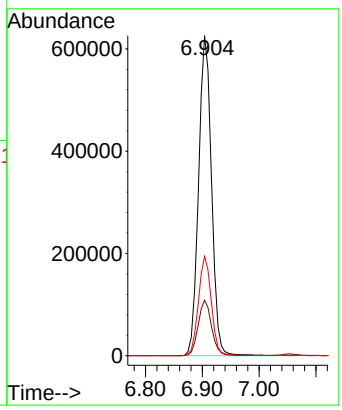




#7
Phenol-d6
Concen: 82.301 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 99 Resp: 99019

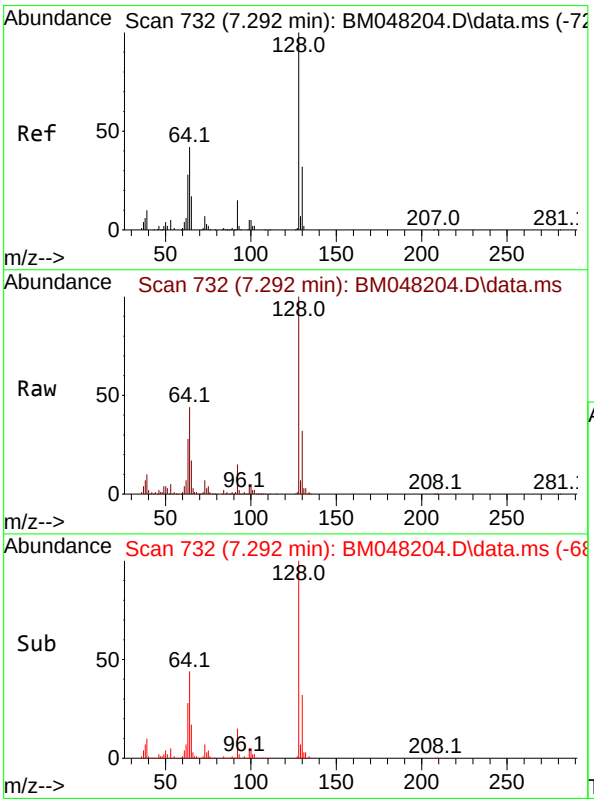
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.8	20.8
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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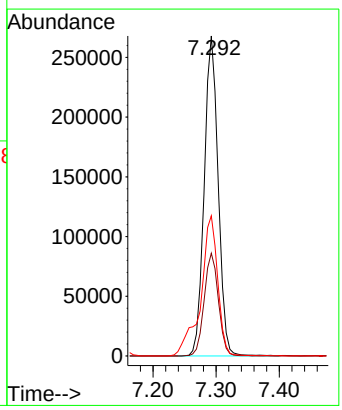
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

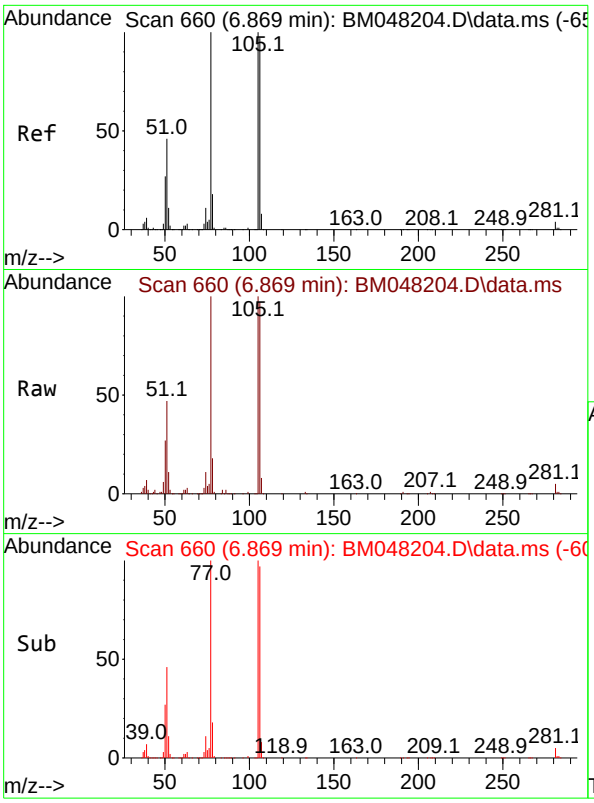


#8
2-Chlorophenol
Concen: 40.932 ng
RT: 7.292 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:128 Resp: 410825

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.1	52.1
64	43.8	23.8	63.8

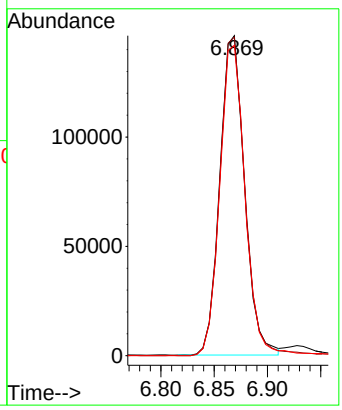




#9
Benzaldehyde
Concen: 39.856 ng
RT: 6.869 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 77 Resp: 23598

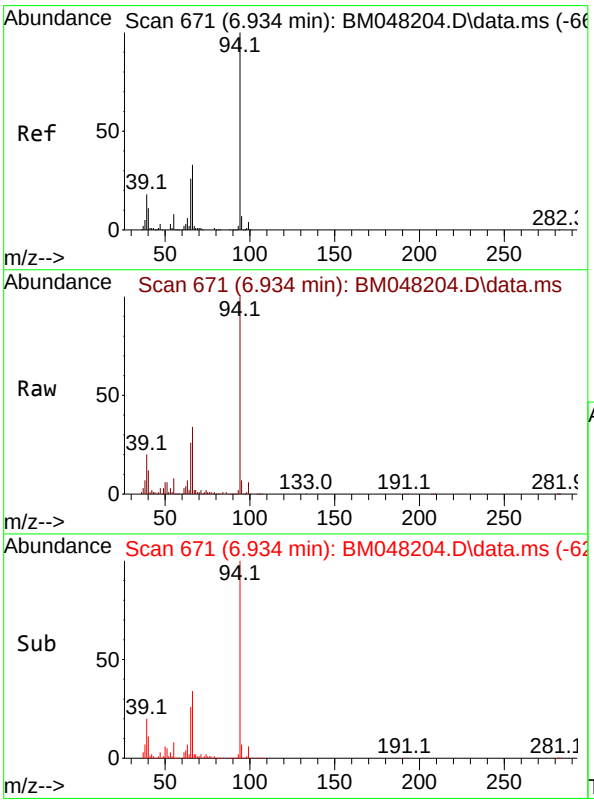
Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.6	119.6
106	97.0	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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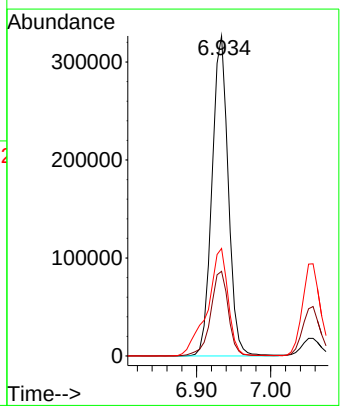
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

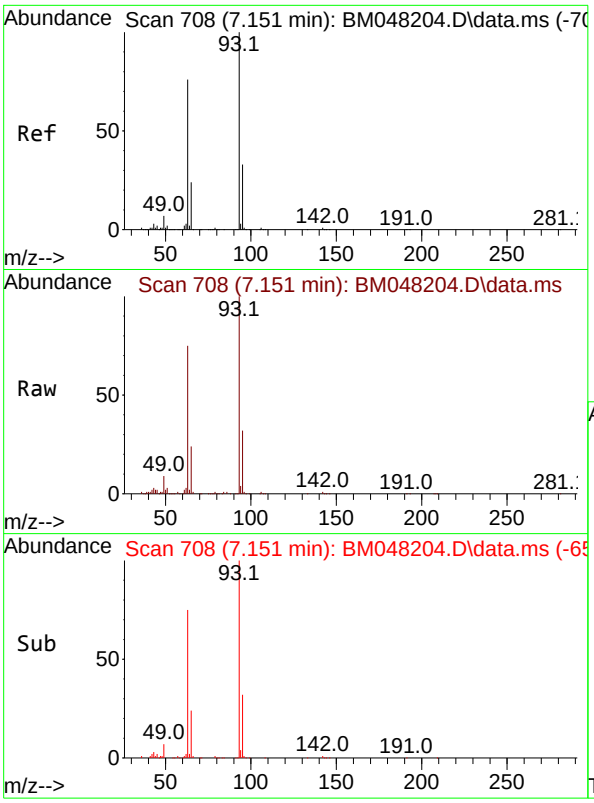


#10
Phenol
Concen: 41.051 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 94 Resp: 496908

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	33.6	13.6	53.6

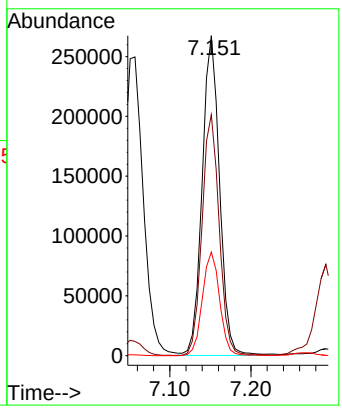




#11
bis(2-Chloroethyl)ether
Concen: 41.250 ng
RT: 7.151 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 93 Resp: 39771

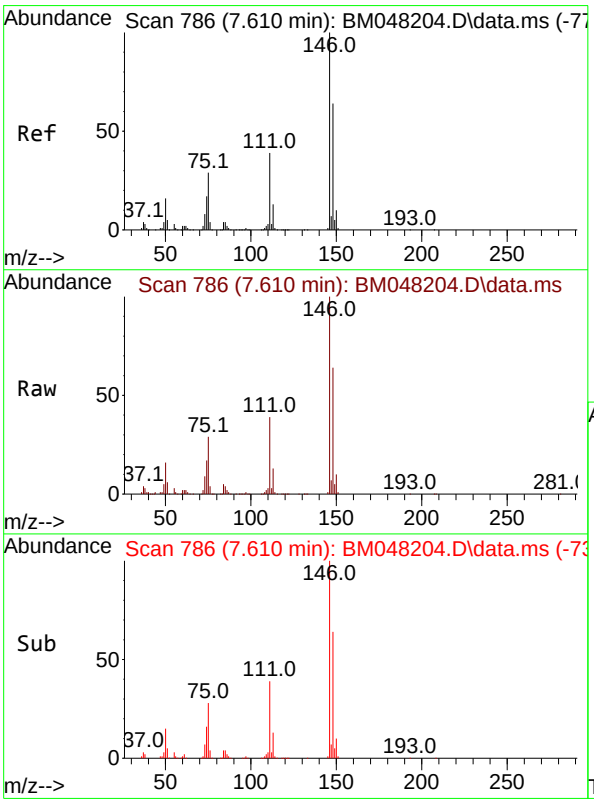
Ion	Ratio	Lower	Upper
93	100		
63	75.3	55.3	95.3
95	32.4	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

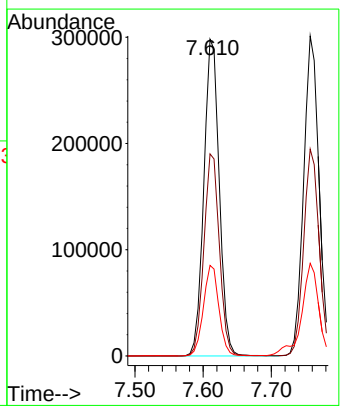
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

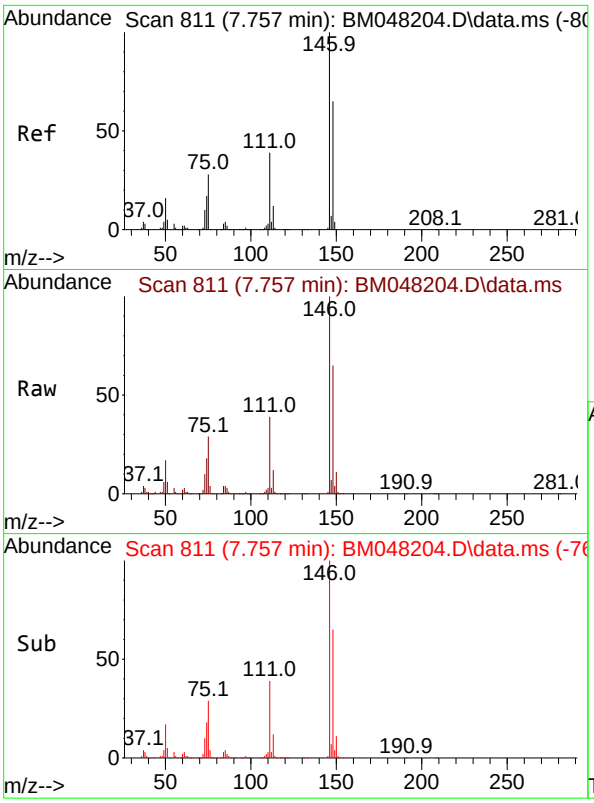


#12
1,3-Dichlorobenzene
Concen: 40.575 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:146 Resp: 469513

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
75	28.6	22.9	34.3

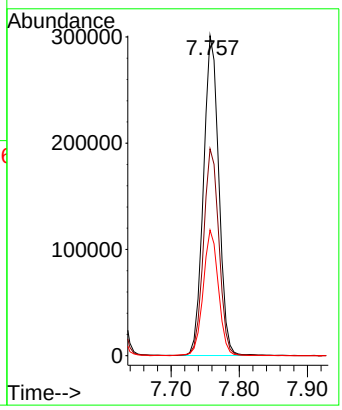




#13
1,4-Dichlorobenzene
Concen: 40.085 ng
RT: 7.757 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:146 Resp: 47123

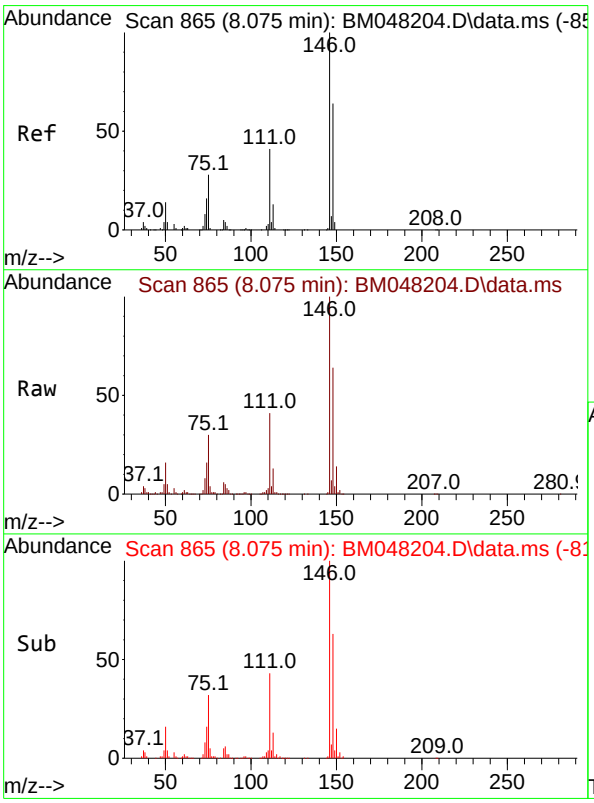
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.7	77.5
111	39.3	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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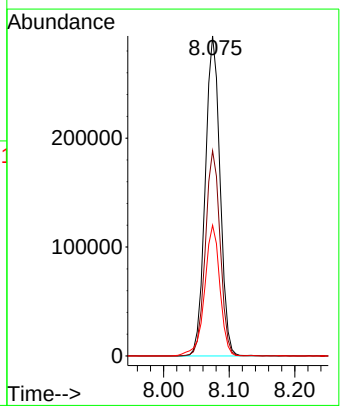
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

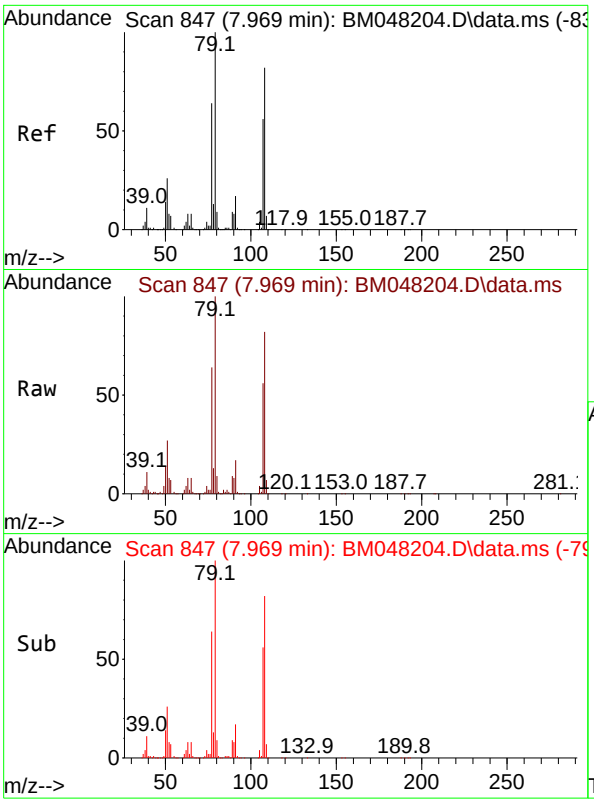


#14
1,2-Dichlorobenzene
Concen: 40.541 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:146 Resp: 460607

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	40.9	32.7	49.1





#15
Benzyl Alcohol
Concen: 42.269 ng
RT: 7.969 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

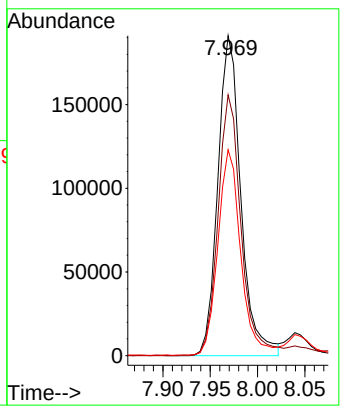
Tgt Ion: 79 Resp: 32444

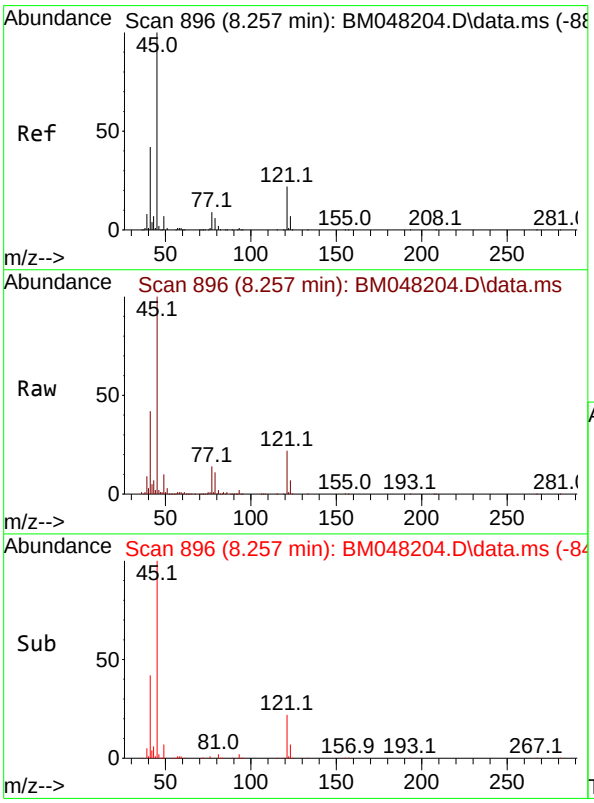
Ion	Ratio	Lower	Upper
79	100		
108	81.5	65.2	97.8
77	64.3	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

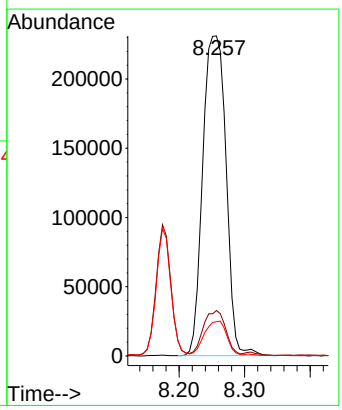


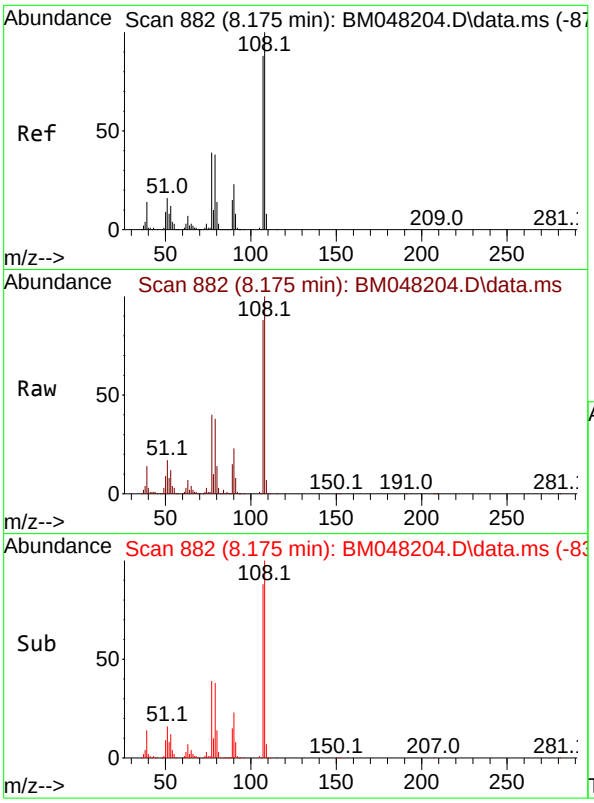


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.455 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 45 Resp: 570509

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	34.2
79	10.7	0.0	30.7

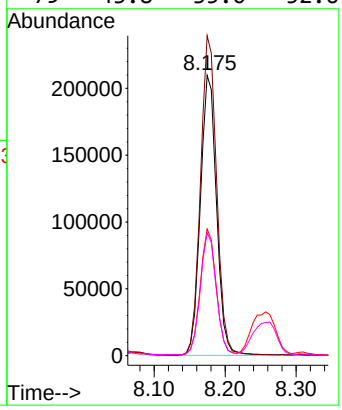




#17
2-Methylphenol
Concen: 41.182 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:107 Resp: 33124

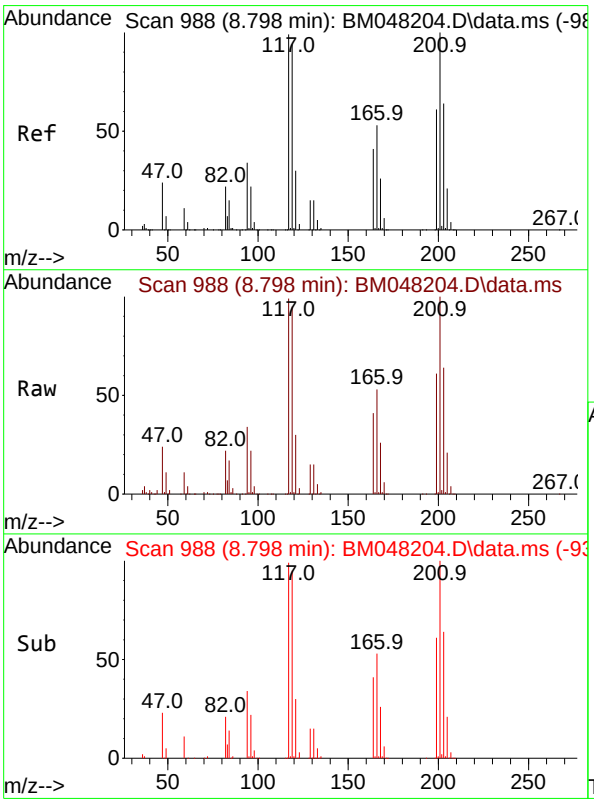
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.3	136.9
77	45.2	36.2	54.2
79	43.8	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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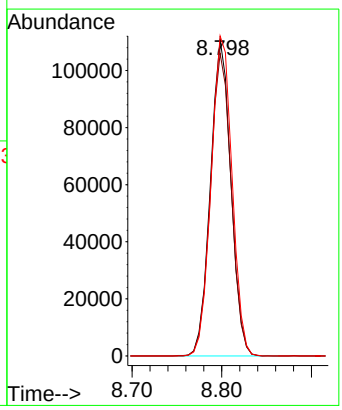
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

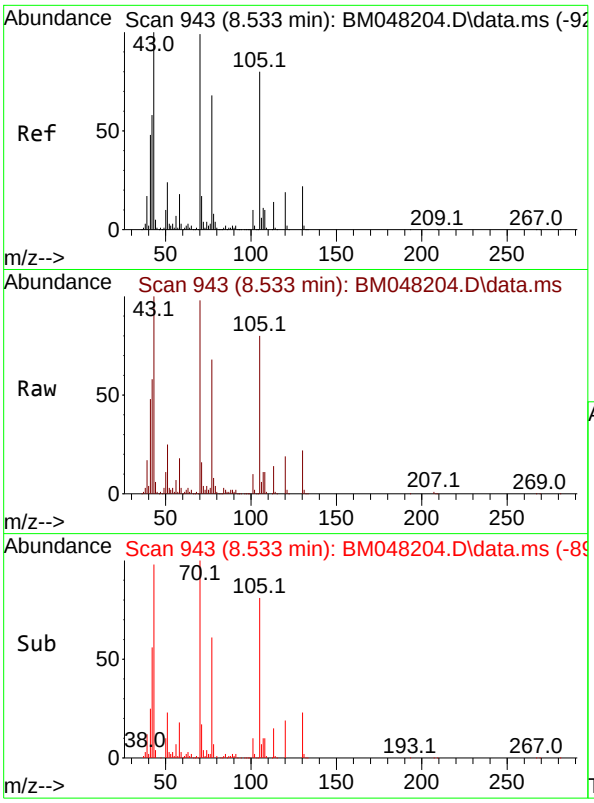


#18
Hexachloroethane
Concen: 40.694 ng
RT: 8.798 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:117 Resp: 175339

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	101.1	80.9	121.3

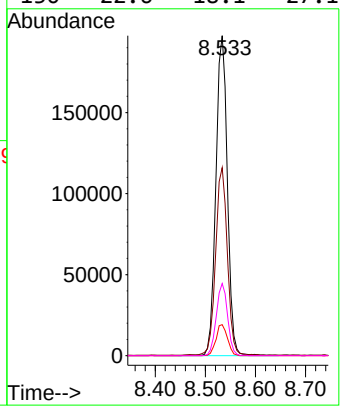




#19
n-Nitroso-di-n-propylamine
Concen: 41.212 ng
RT: 8.533 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 70 Resp: 313689

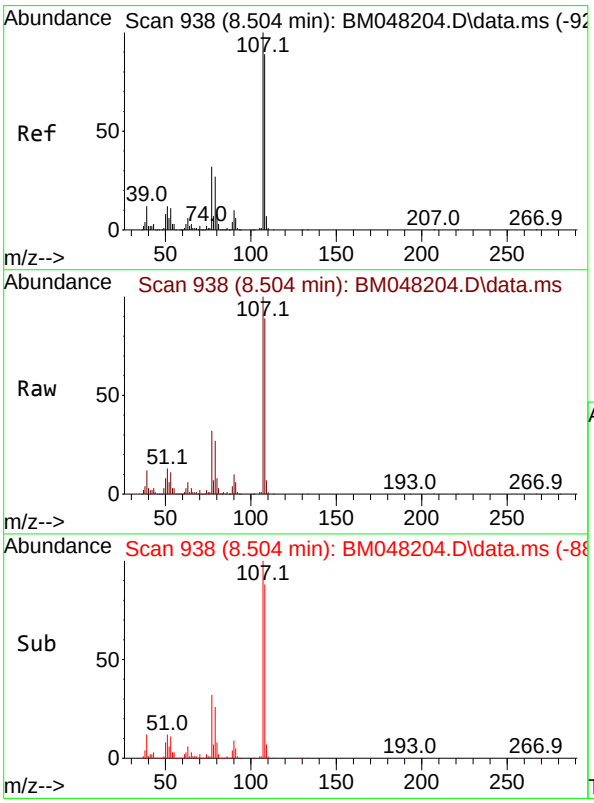
Ion	Ratio	Lower	Upper
70	100		
42	58.8	47.0	70.6
101	9.7	7.8	11.6
130	22.6	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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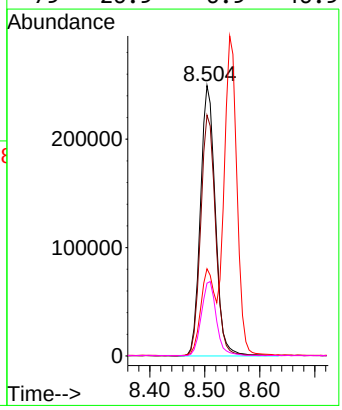
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

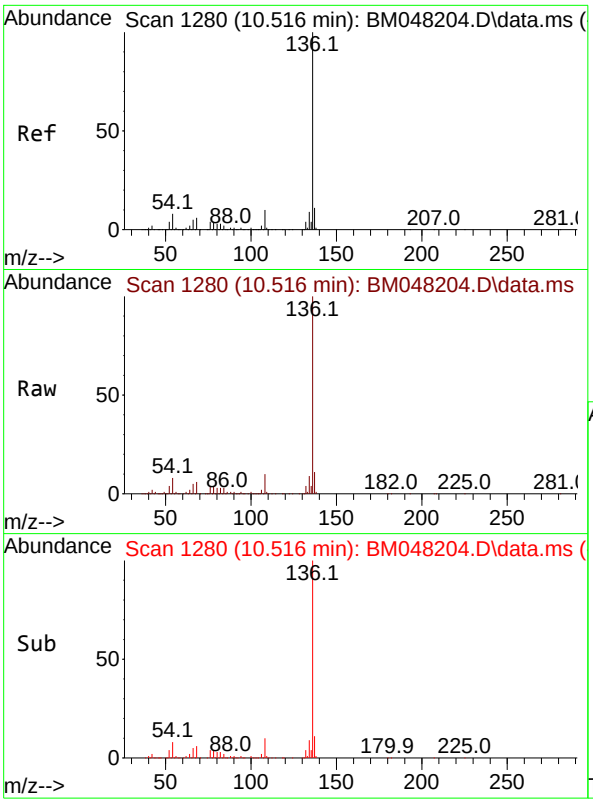


#20
3+4-Methylphenols
Concen: 42.236 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:107 Resp: 470617

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.0	109.0
77	32.3	12.3	52.3
79	26.9	6.9	46.9

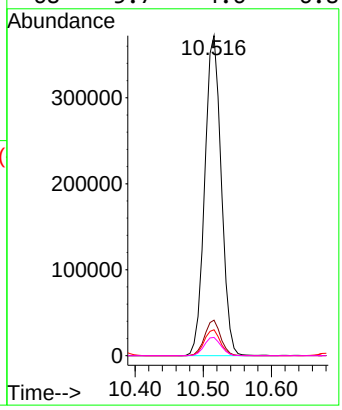




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:136 Resp: 62654

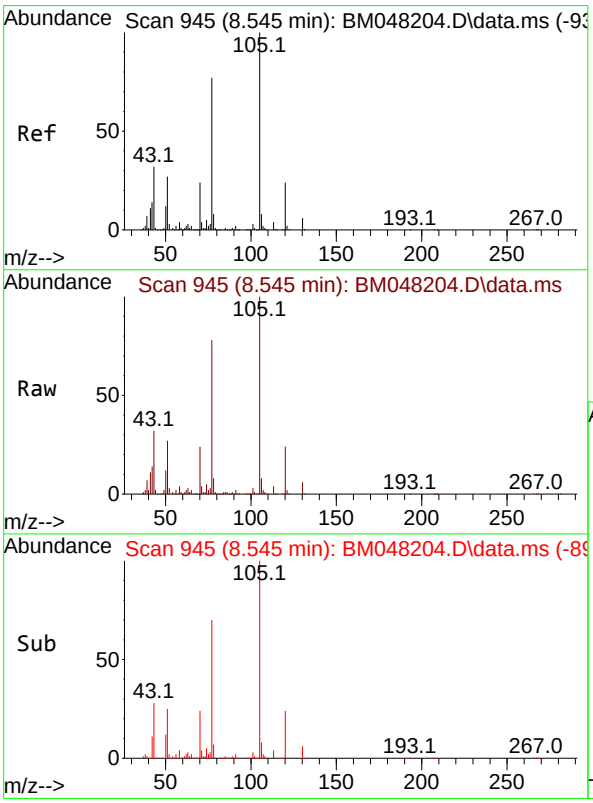
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.1	6.5	9.7
68	5.7	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

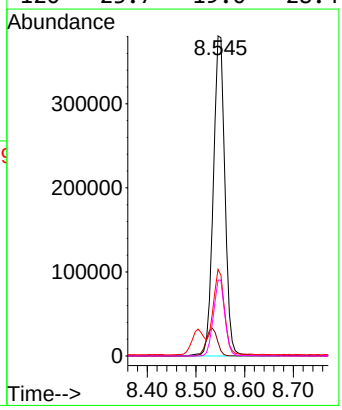
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

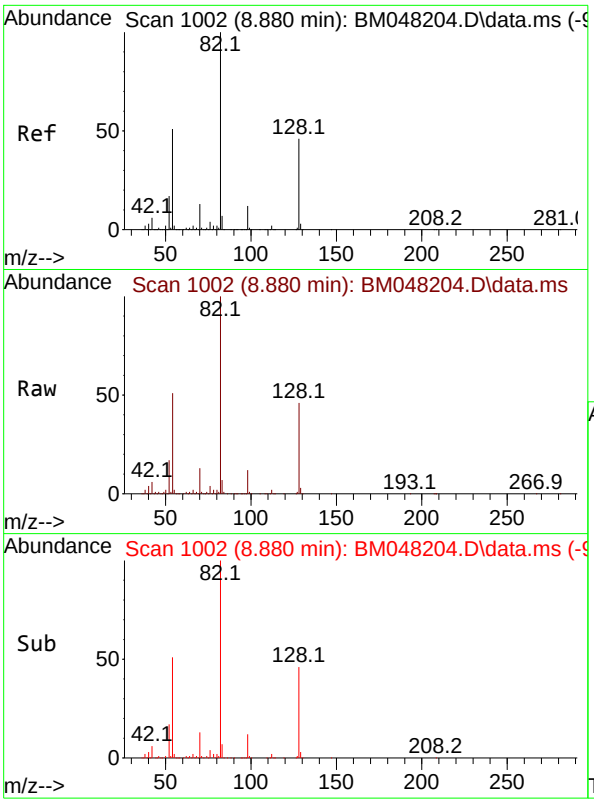


#22
Acetophenone
Concen: 41.103 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:105 Resp: 628510

Ion	Ratio	Lower	Upper
105	100		
71	4.2	3.4	5.0
51	27.1	21.7	32.5
120	23.7	19.0	28.4





#23
Nitrobenzene-d5
Concen: 83.324 ng
RT: 8.880 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

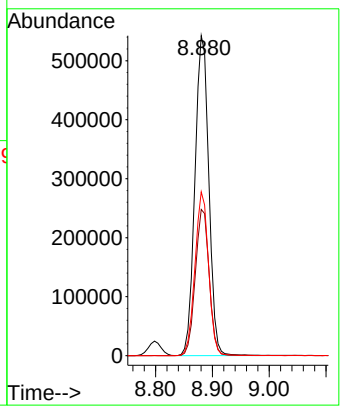
Tgt Ion: 82 Resp: 92460

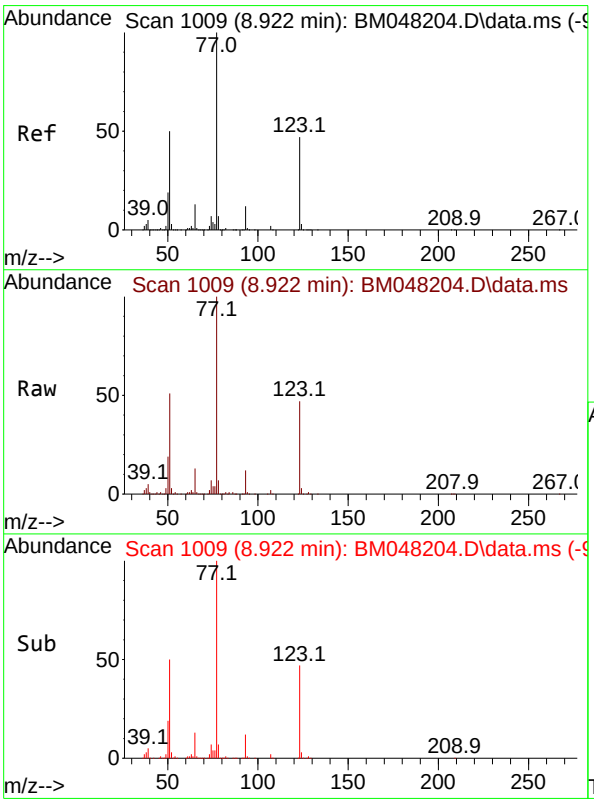
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.6	54.8
54	51.2	41.0	61.4

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

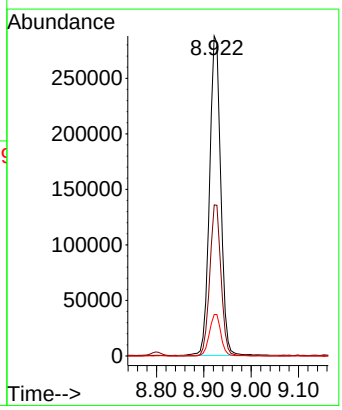


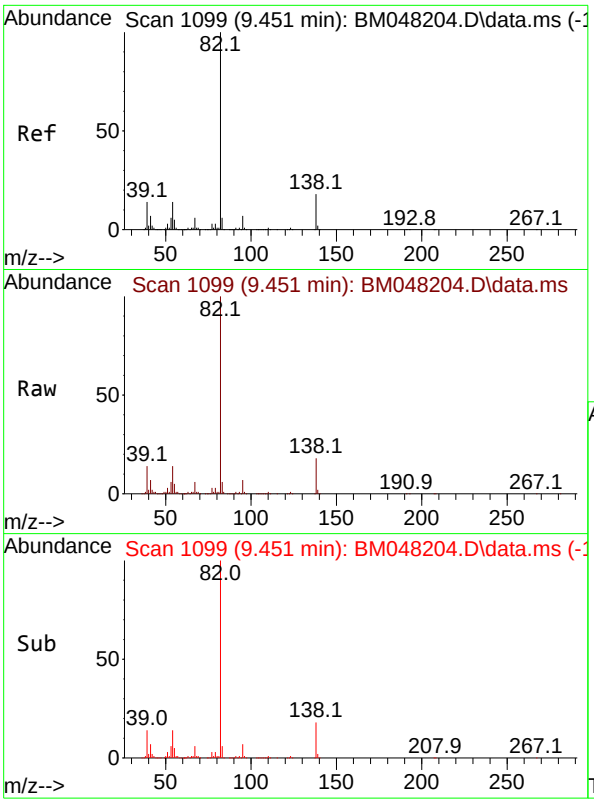


#24
Nitrobenzene
Concen: 41.313 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 77 Resp: 474988

Ion	Ratio	Lower	Upper
77	100		
123	47.2	37.8	56.6
65	13.0	10.4	15.6

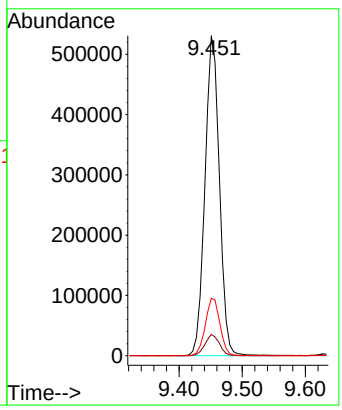




#25
Isophorone
Concen: 41.408 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 82 Resp: 84223

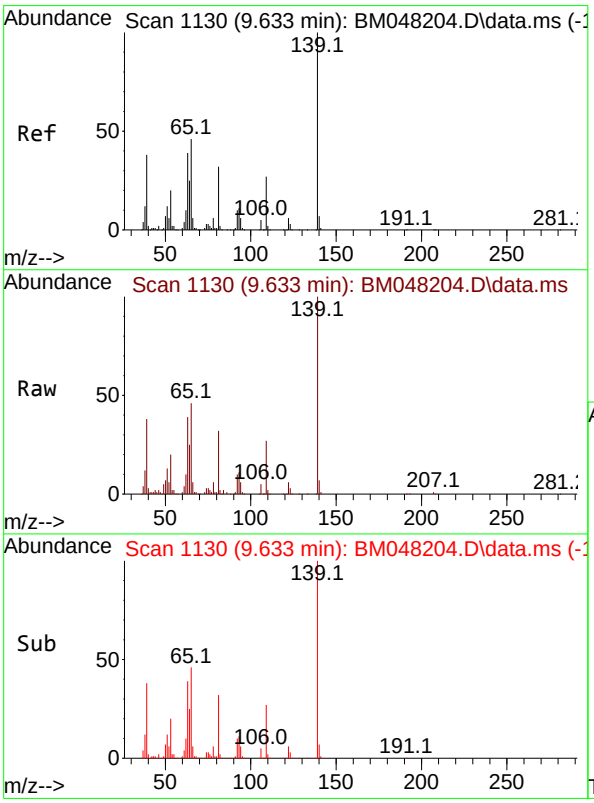
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	17.9	14.3	21.5



Instrument :
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ClientSampleId :
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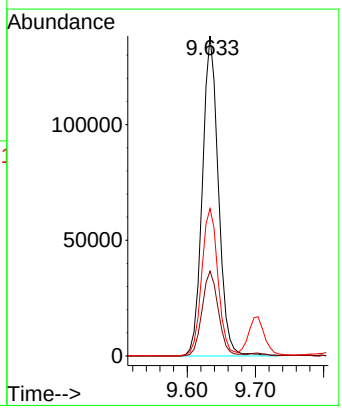
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

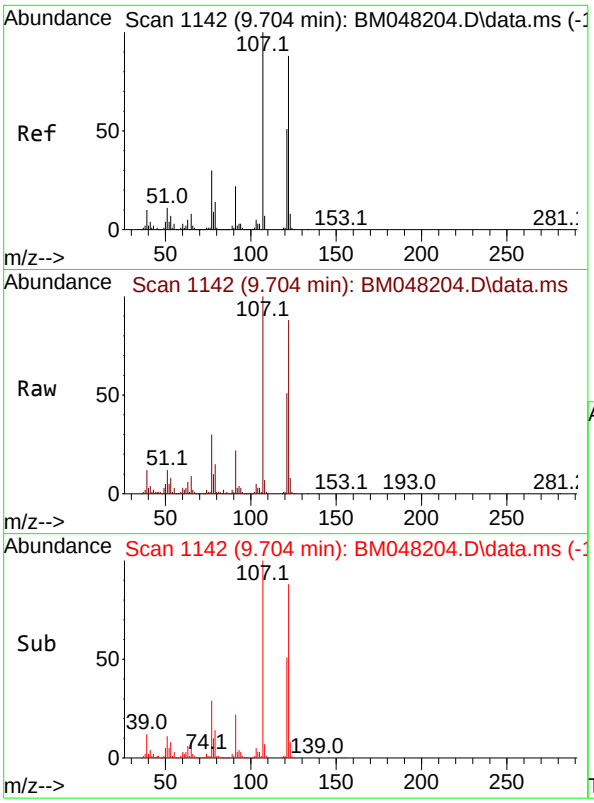


#26
2-Nitrophenol
Concen: 42.600 ng
RT: 9.633 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:139 Resp: 226149

Ion	Ratio	Lower	Upper
139	100		
109	26.5	21.2	31.8
65	46.0	36.8	55.2

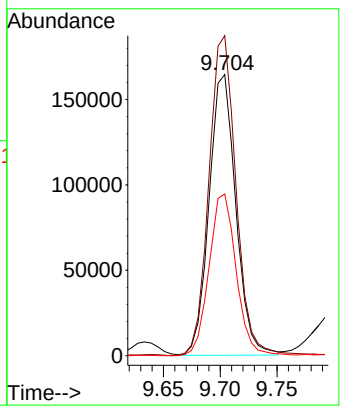




#27
2,4-Dimethylphenol
Concen: 41.876 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:122 Resp: 26970

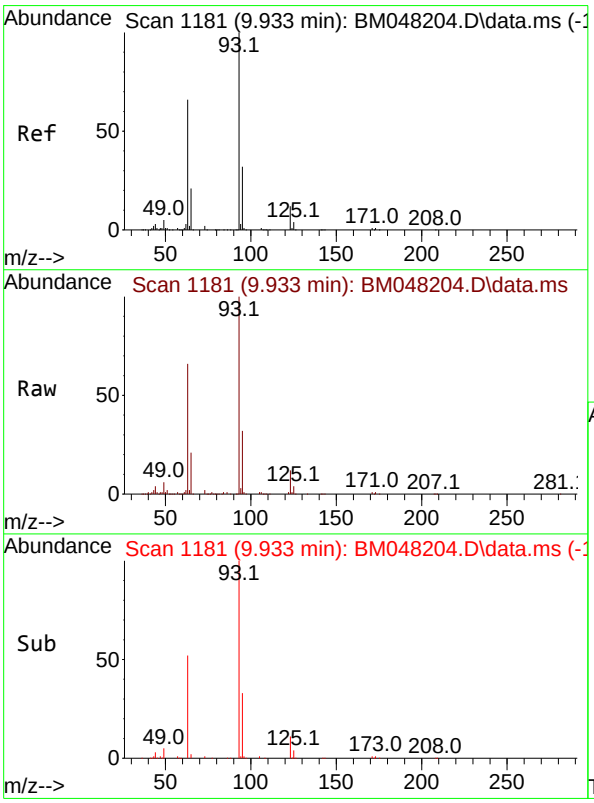
Ion	Ratio	Lower	Upper
122	100		
107	113.8	91.0	136.6
121	57.6	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
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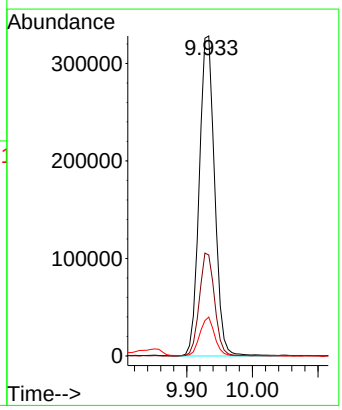
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

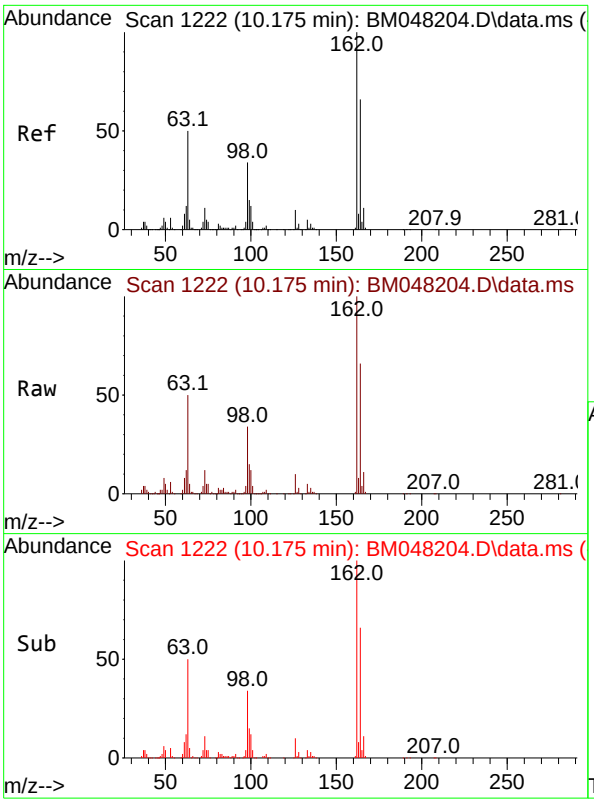


#28
bis(2-Chloroethoxy)methane
Concen: 41.699 ng
RT: 9.933 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 93 Resp: 536708

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.3	37.9
123	12.2	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 42.086 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

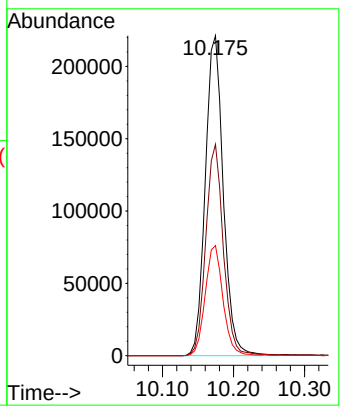
Tgt Ion:162 Resp: 38993

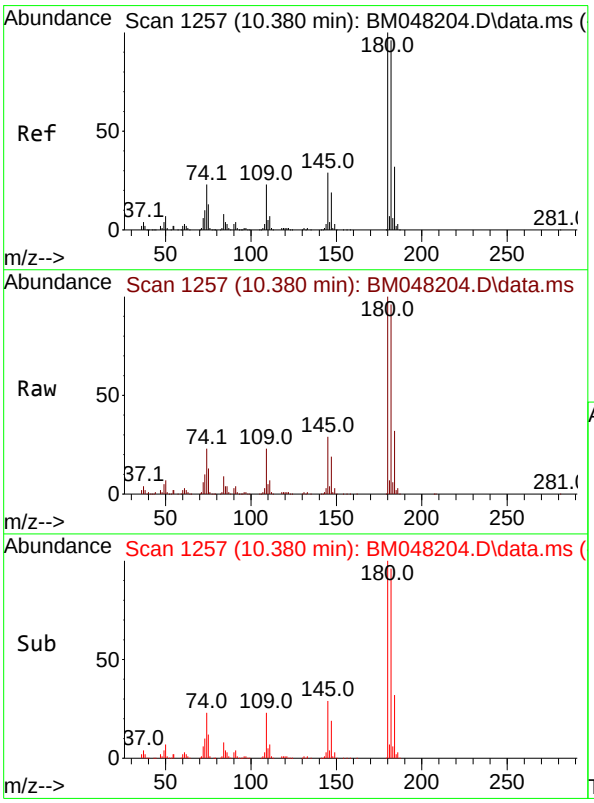
Ion	Ratio	Lower	Upper
162	100		
164	66.0	46.0	86.0
98	34.4	14.4	54.4

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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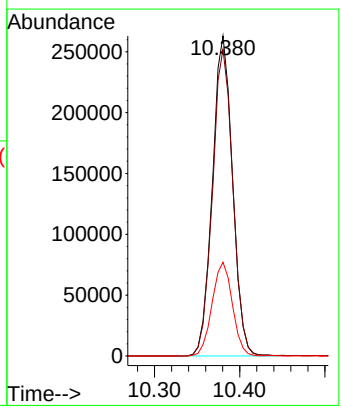


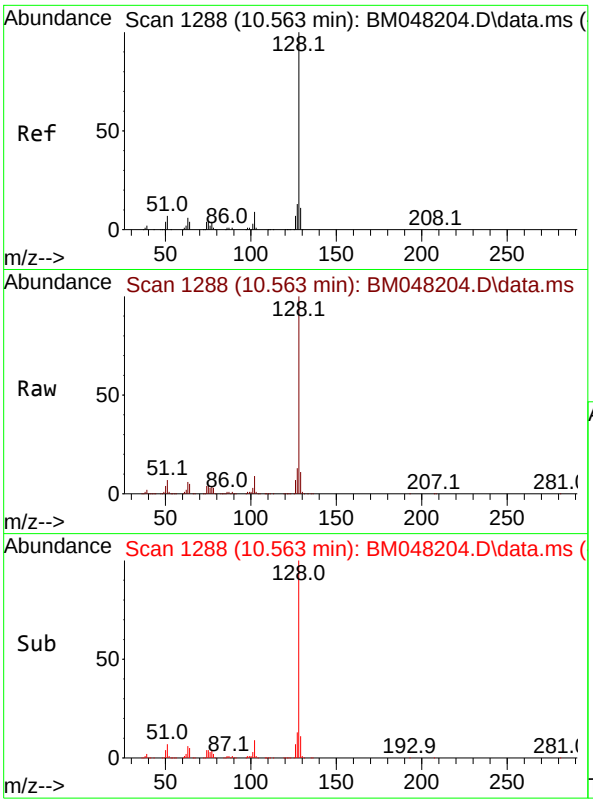


#30
1,2,4-Trichlorobenzene
Concen: 40.672 ng
RT: 10.380 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:180 Resp: 431582

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	29.3	23.4	35.2

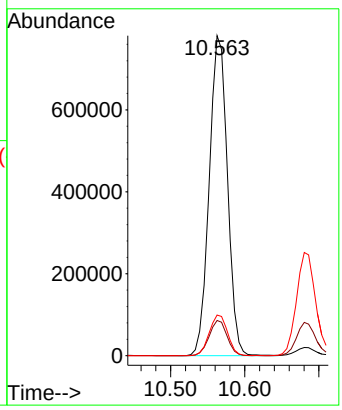




#31
Naphthalene
Concen: 40.726 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:128 Resp: 133085

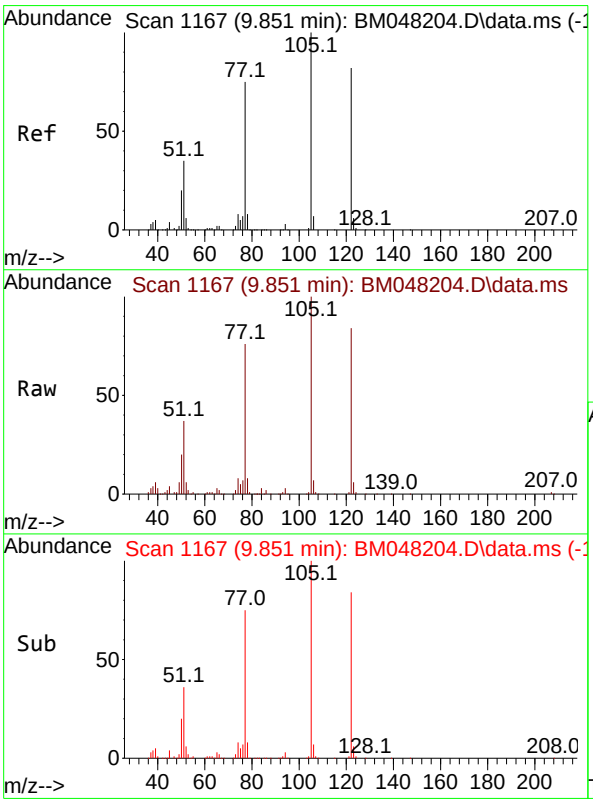
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.7	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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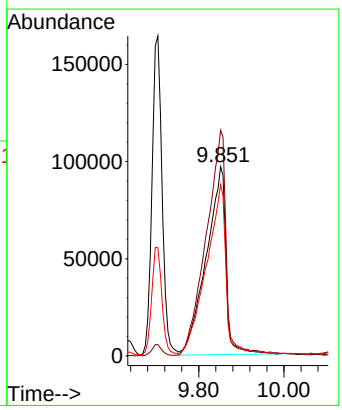
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

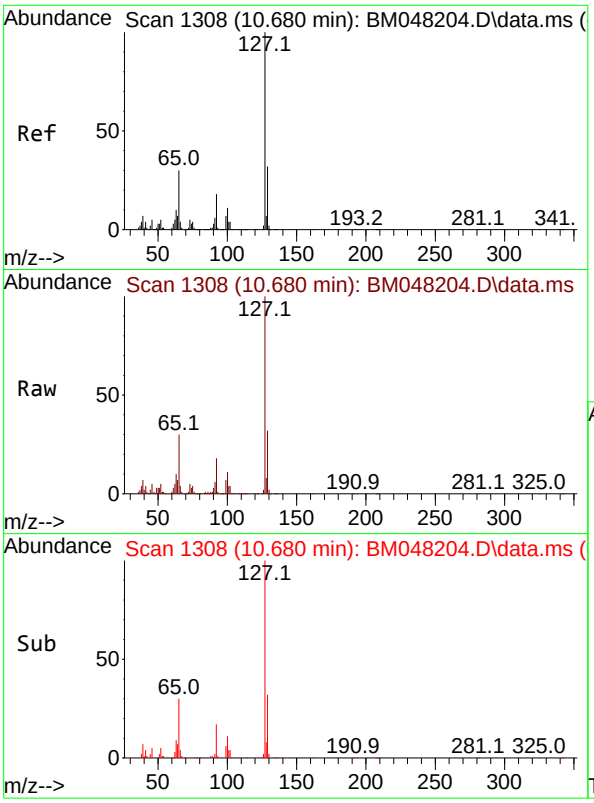


#32
Benzoic acid
Concen: 43.193 ng
RT: 9.851 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:122 Resp: 310993

Ion	Ratio	Lower	Upper
122	100		
105	119.3	99.3	139.3
77	90.4	70.4	110.4

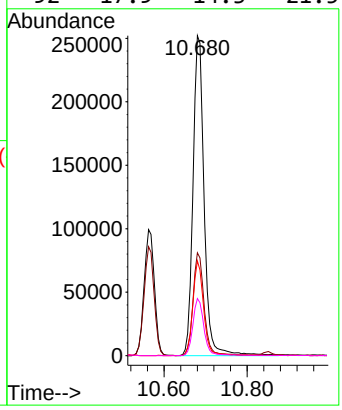




#33
4-Chloroaniline
Concen: 44.402 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:127 Resp: 47059

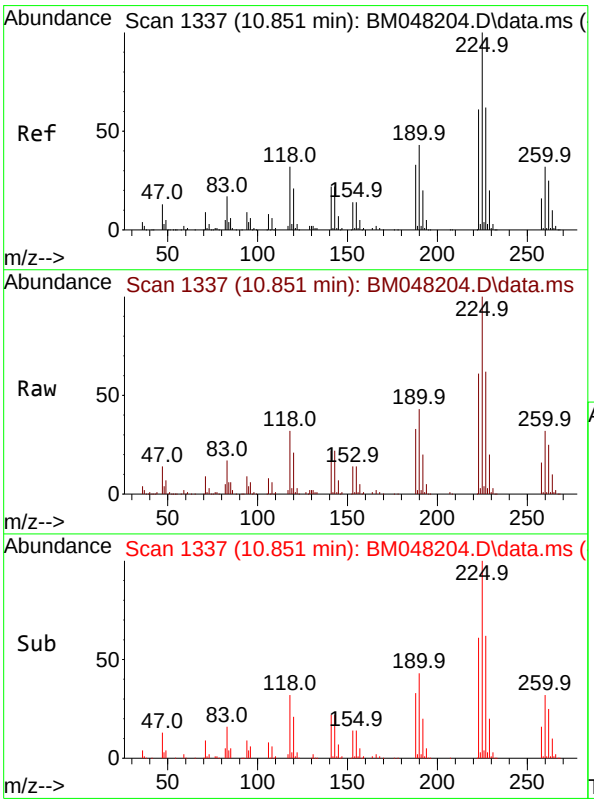
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.6	23.7	35.5
92	17.9	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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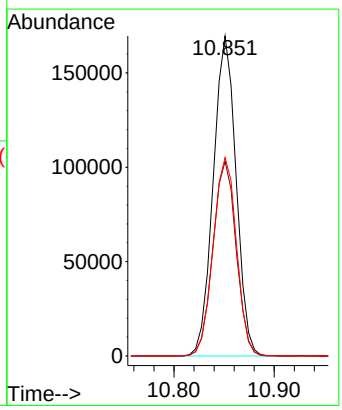
Reviewed By :Yogesh Patel 10/24/2024
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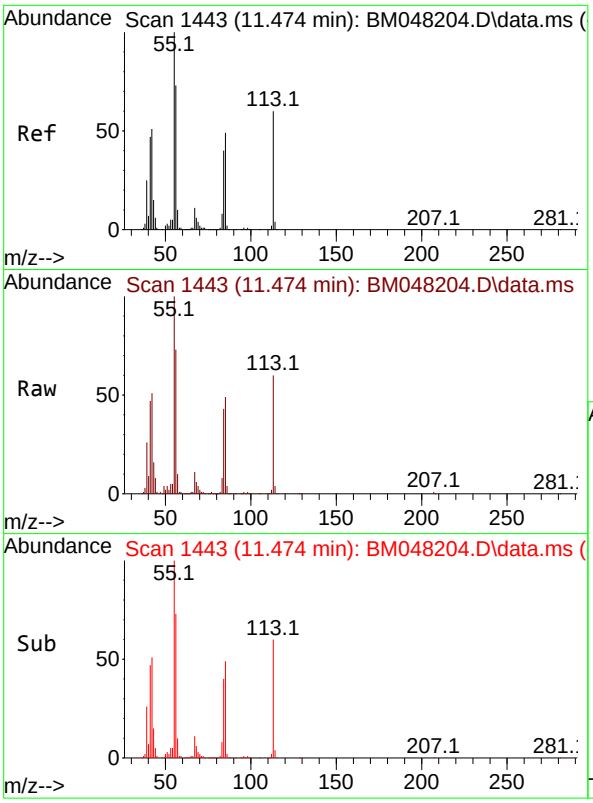


#34
Hexachlorobutadiene
Concen: 40.725 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:225 Resp: 267830

Ion	Ratio	Lower	Upper
225	100		
223	60.8	48.6	73.0
227	62.0	49.6	74.4





#35
Caprolactam
Concen: 43.238 ng
RT: 11.474 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

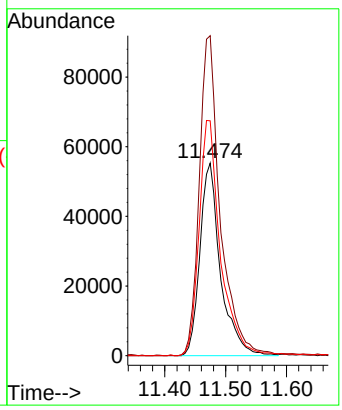
Tgt Ion:113 Resp: 12992

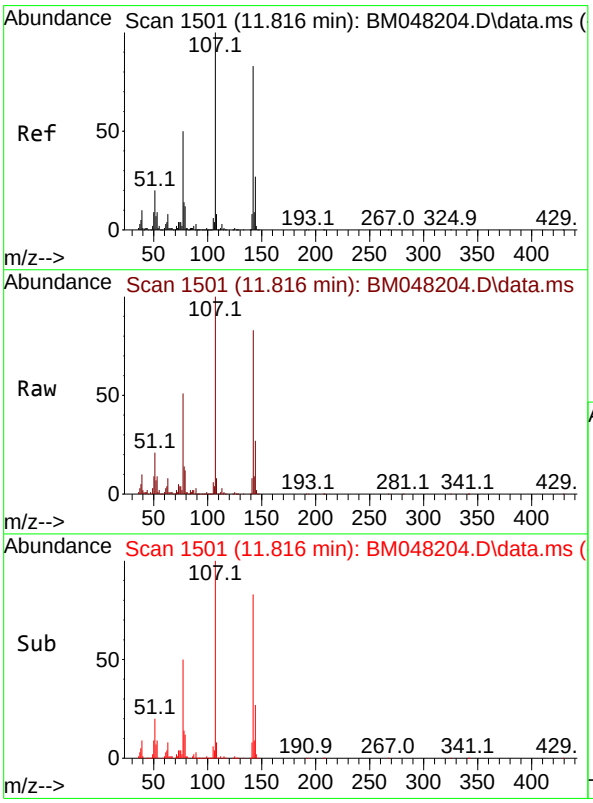
Ion	Ratio	Lower	Upper
113	100		
55	166.1	146.1	186.1
56	121.9	101.9	141.9

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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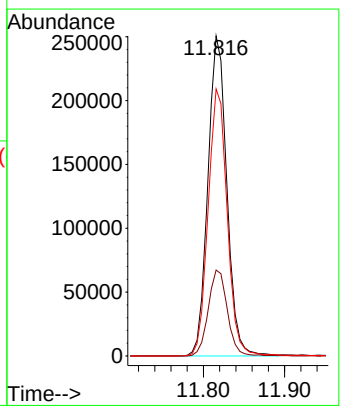


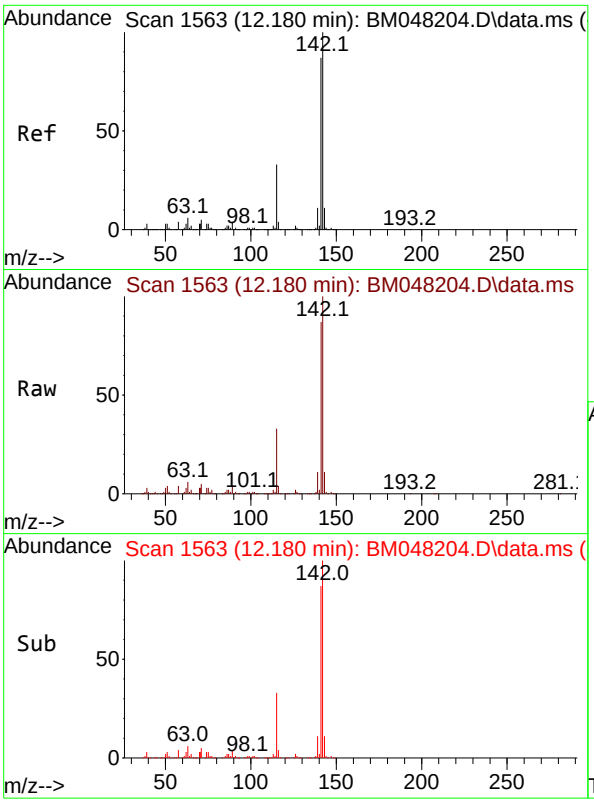


#36
4-Chloro-3-methylphenol
Concen: 41.993 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:107 Resp: 406159

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.5	32.3
142	83.5	66.8	100.2





#37
2-Methylnaphthalene
Concen: 41.120 ng
RT: 12.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

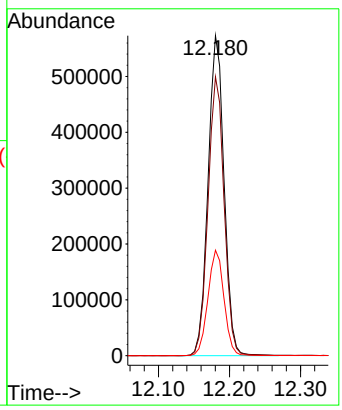
Tgt Ion:142 Resp: 89778

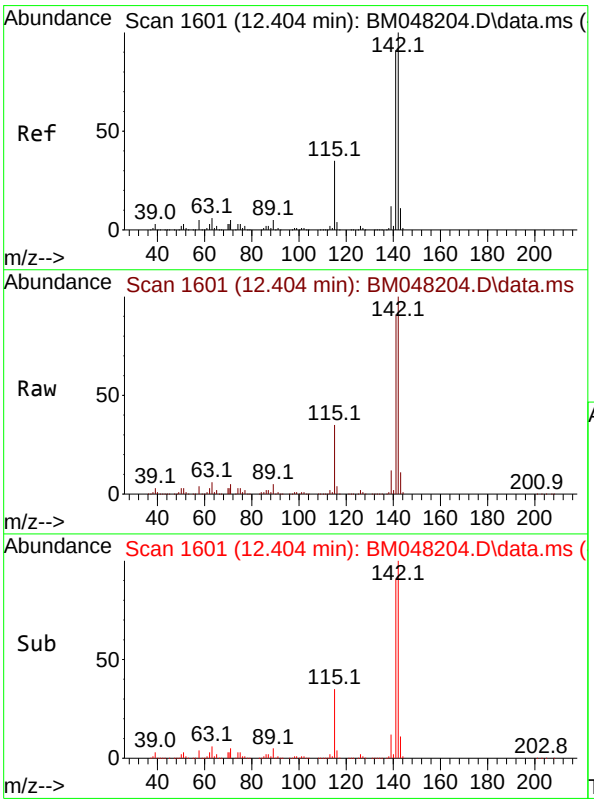
Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.8	104.6
115	32.9	26.3	39.5

Instrument :
BNA_M
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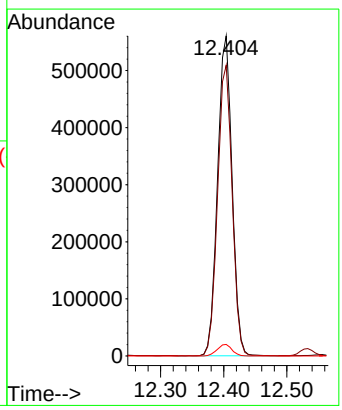


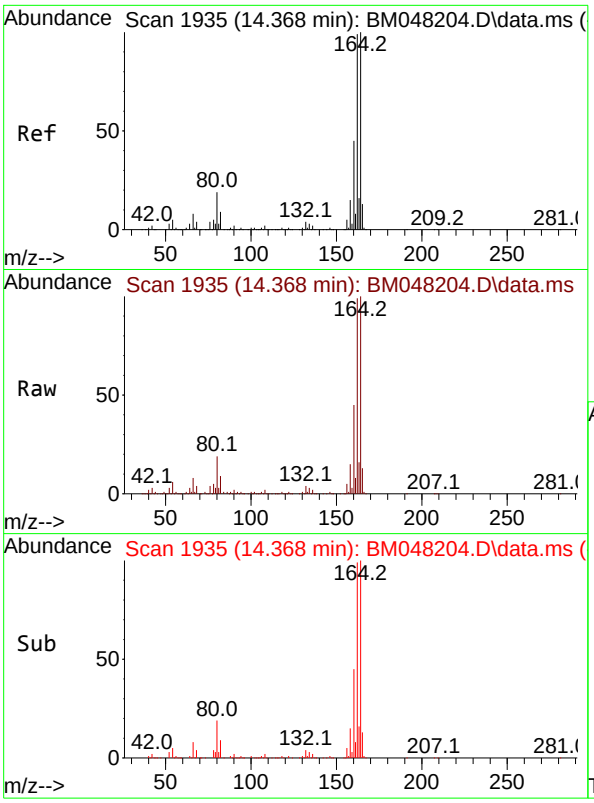


#38
1-Methylnaphthalene
Concen: 41.184 ng
RT: 12.404 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:142 Resp: 891641

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1
116	3.6	2.9	4.3

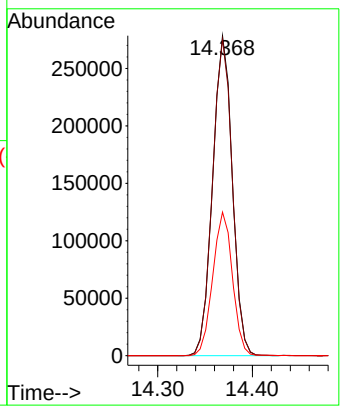




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:164 Resp: 40167

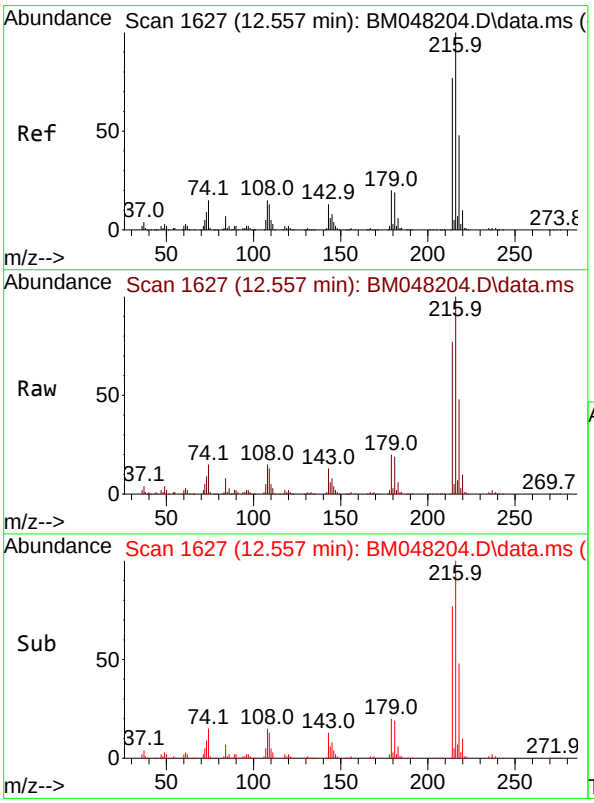
Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.1	118.7
160	44.8	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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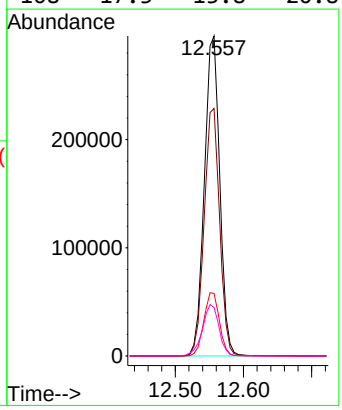
Reviewed By :Yogesh Patel 10/24/2024
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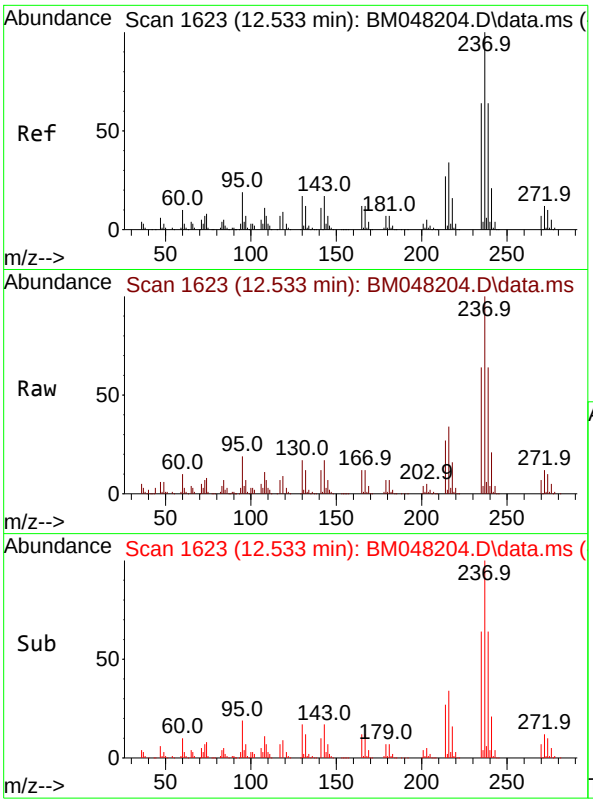


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.458 ng
RT: 12.557 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:216 Resp: 464489

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.2	93.2
179	20.0	16.0	24.0
108	17.3	13.8	20.8

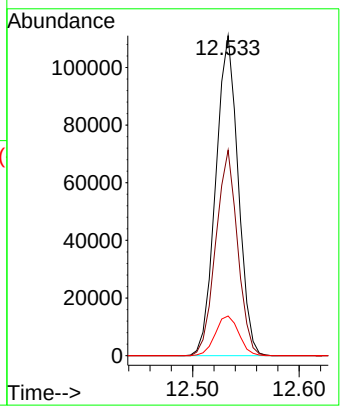




#41
Hexachlorocyclopentadiene
Concen: 41.685 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:237 Resp: 16195

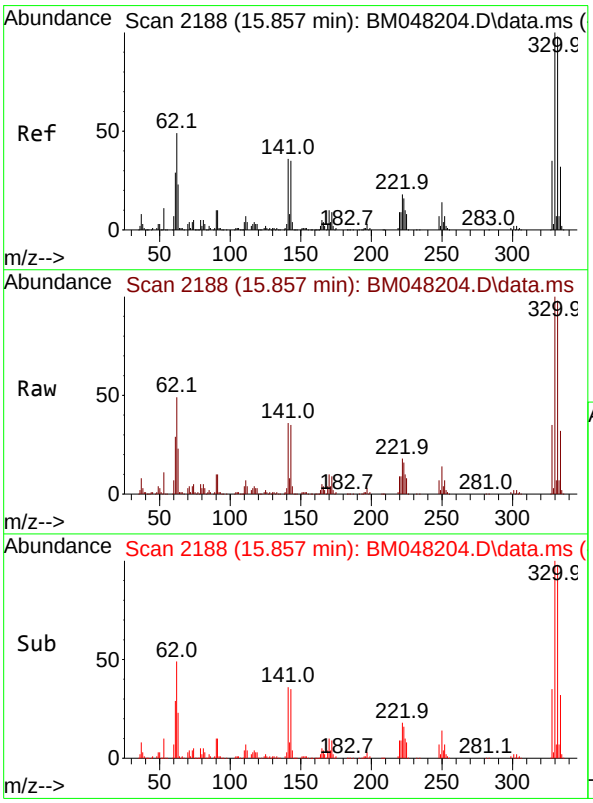
Ion	Ratio	Lower	Upper
237	100		
235	64.2	44.2	84.2
272	12.4	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

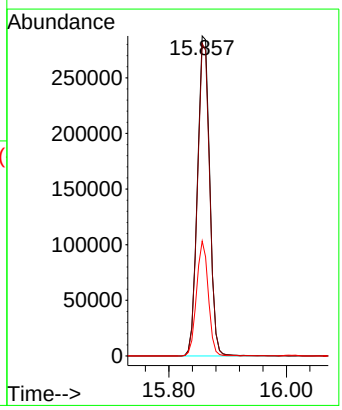
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

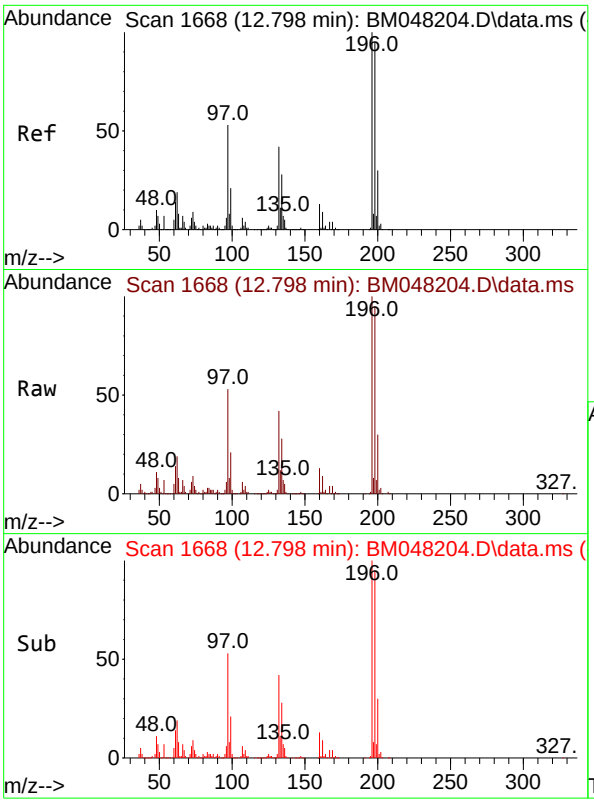


#42
2,4,6-Tribromophenol
Concen: 84.605 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:330 Resp: 415968

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.5	116.3
141	34.4	27.5	41.3





#43
2,4,6-Trichlorophenol
Concen: 41.579 ng
RT: 12.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

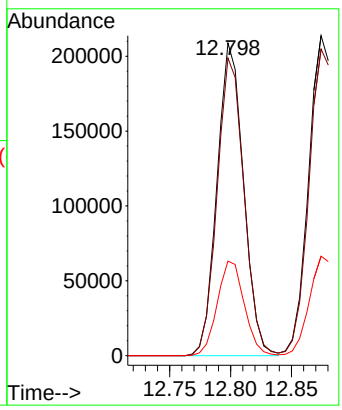
Tgt Ion:196 Resp: 31679

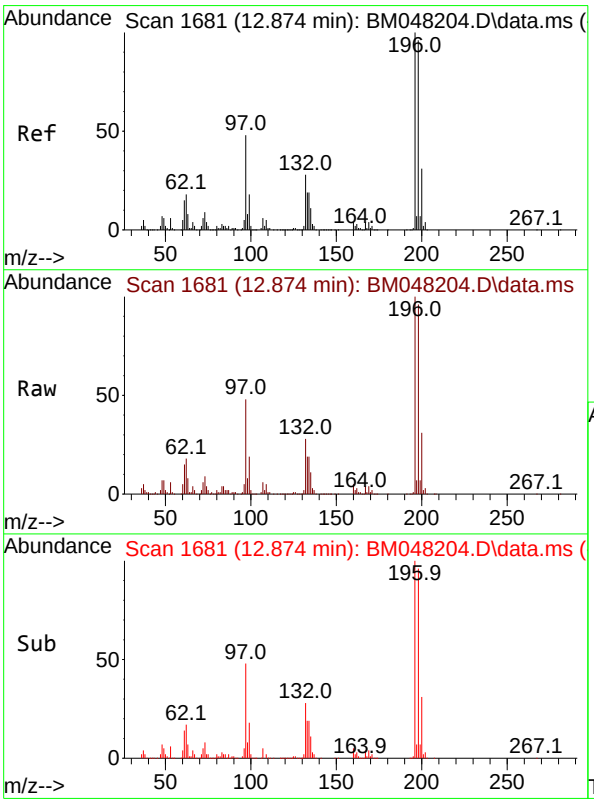
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.2	24.2	36.2

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

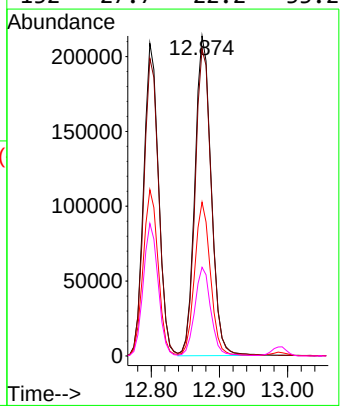


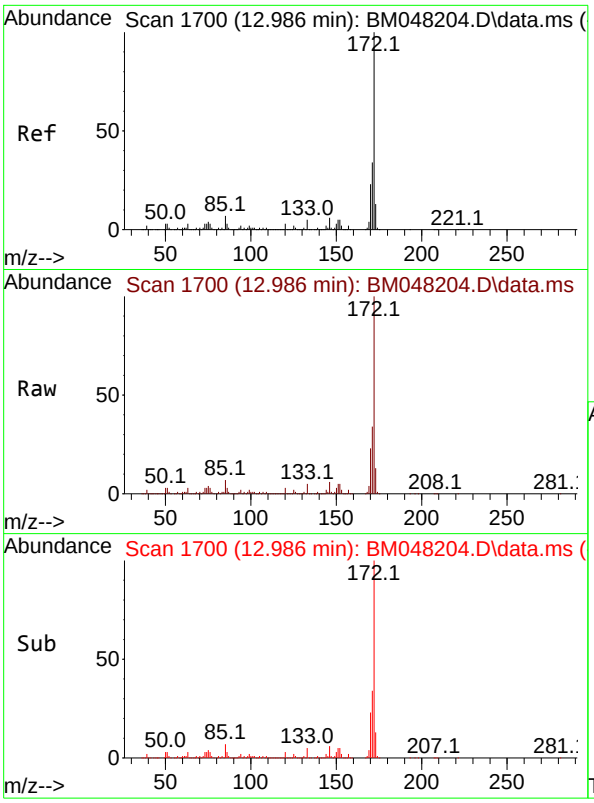


#44
2,4,5-Trichlorophenol
Concen: 41.688 ng
RT: 12.874 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:196 Resp: 354192

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	48.1	38.5	57.7
132	27.7	22.2	33.2

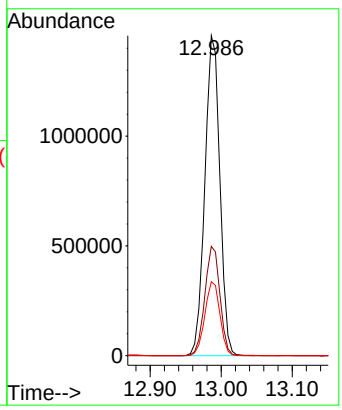




#45
2-Fluorobiphenyl
Concen: 81.843 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:172 Resp: 214237

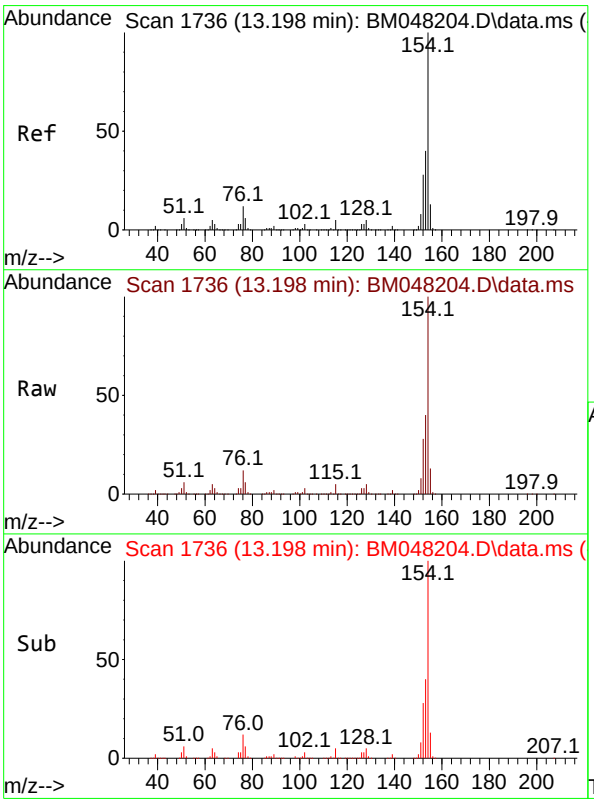
Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	23.1	18.5	27.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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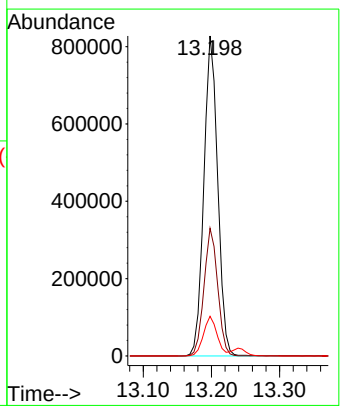
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

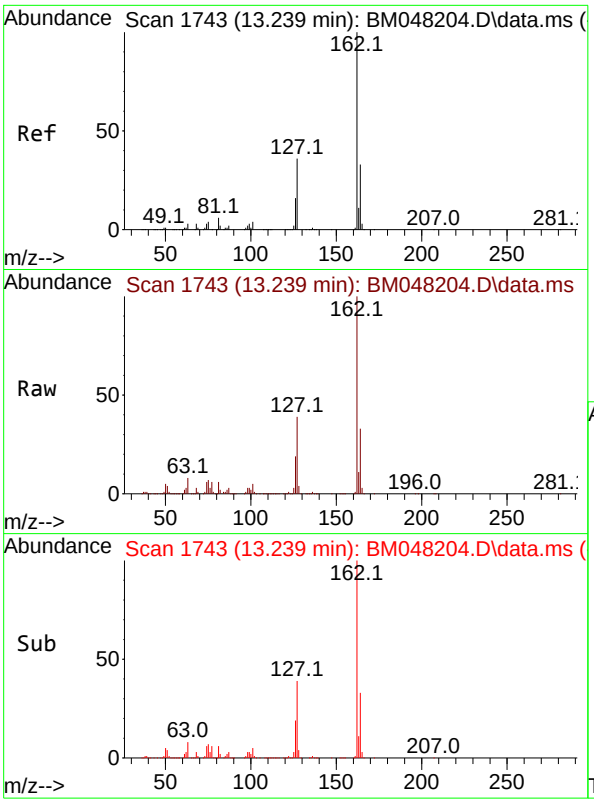


#46
1,1'-Biphenyl
Concen: 40.730 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:154 Resp: 1168080

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	12.4	0.0	32.4

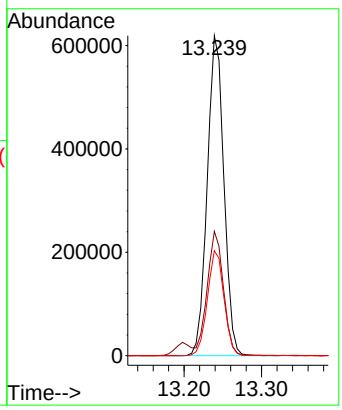




#47
2-Chloronaphthalene
Concen: 40.824 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:162 Resp: 92312

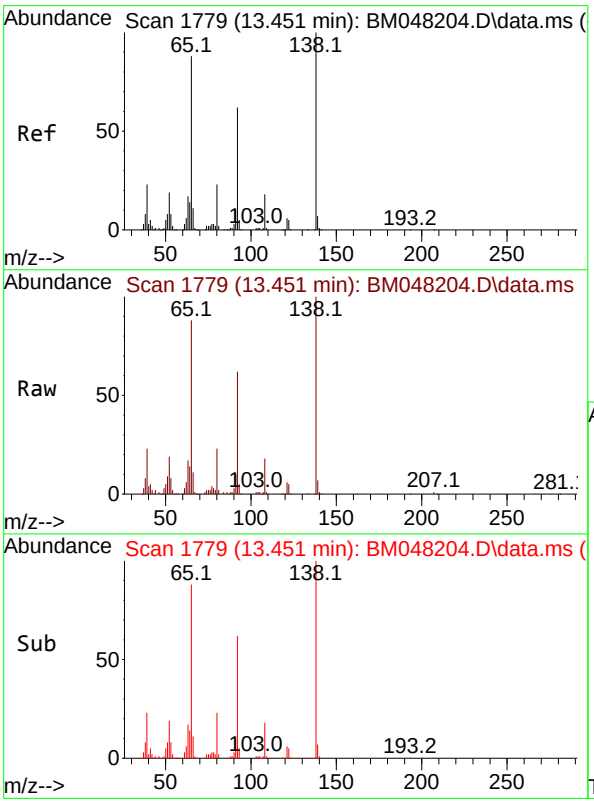
Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.0	46.6
164	32.8	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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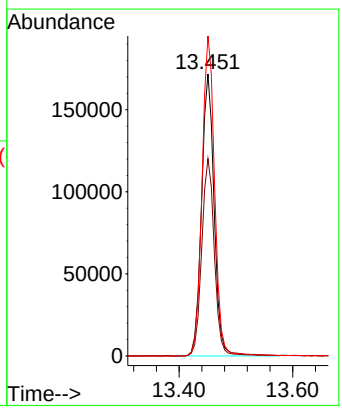
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

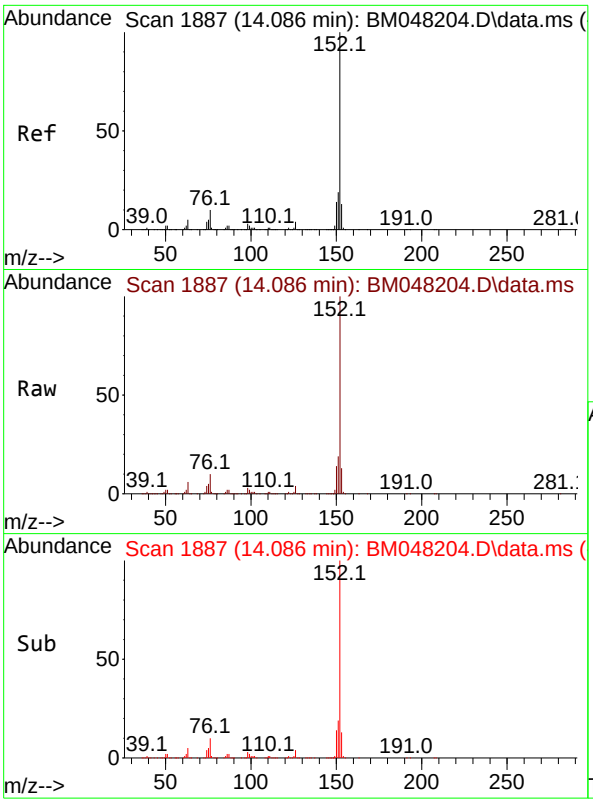


#48
2-Nitroaniline
Concen: 43.131 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 65 Resp: 264524

Ion	Ratio	Lower	Upper
65	100		
92	70.0	56.0	84.0
138	113.5	90.8	136.2





#49
Acenaphthylene
Concen: 41.233 ng
RT: 14.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

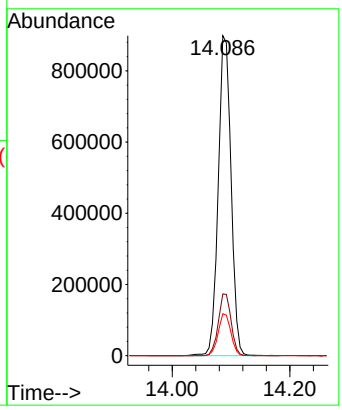
Tgt Ion:152 Resp: 136028

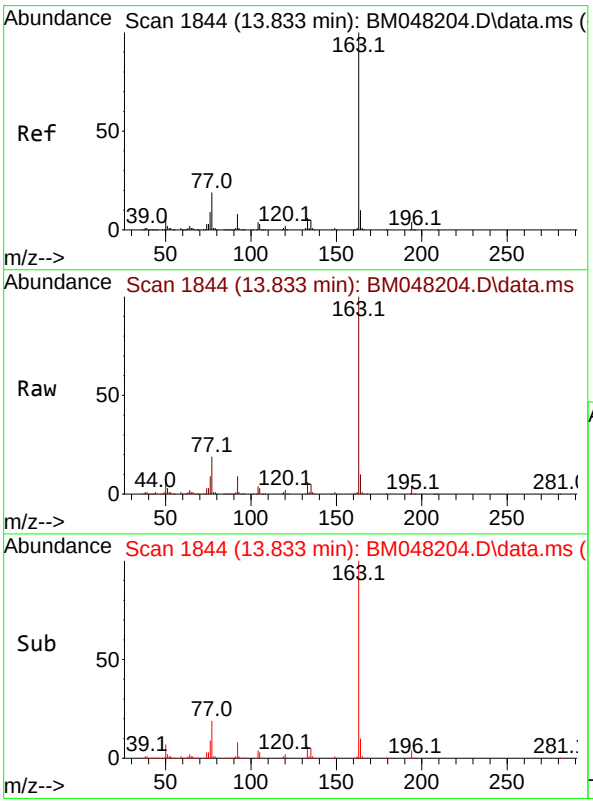
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.1	10.5	15.7

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

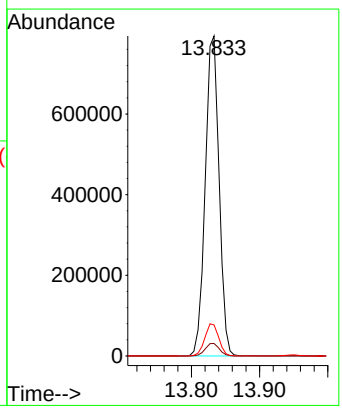


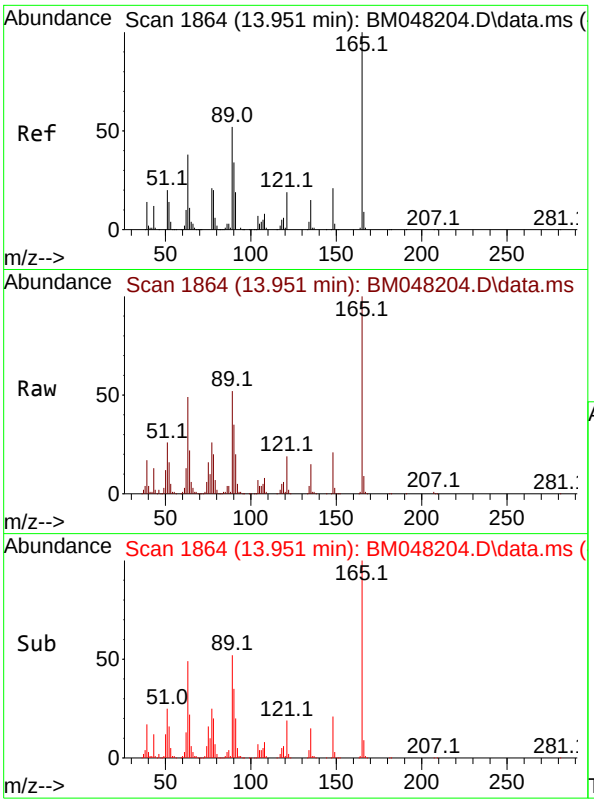


#50
Dimethylphthalate
Concen: 40.907 ng
RT: 13.833 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:163 Resp: 1121732

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.7	7.8	11.6

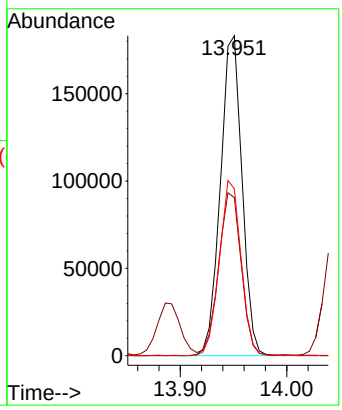




#51
2,6-Dinitrotoluene
Concen: 42.208 ng
RT: 13.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:165 Resp: 25824

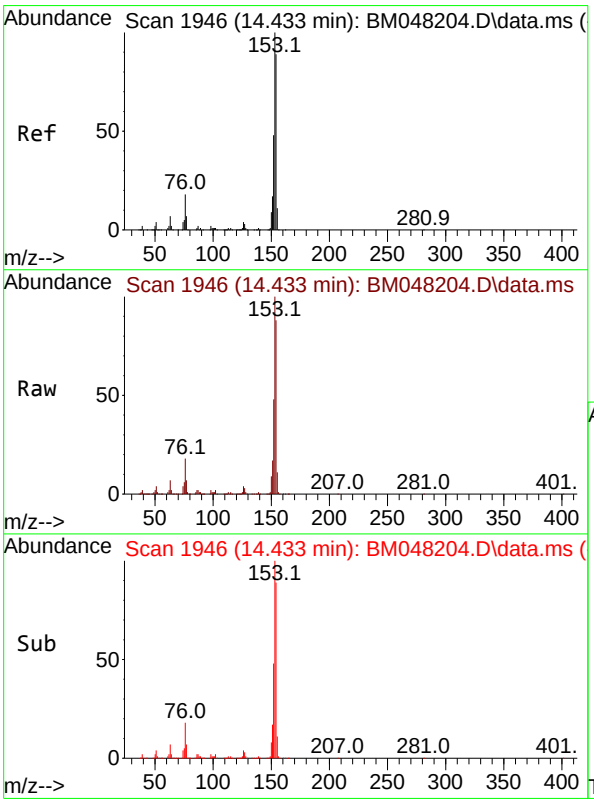
Ion	Ratio	Lower	Upper
165	100		
63	49.4	39.5	59.3
89	52.2	41.8	62.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

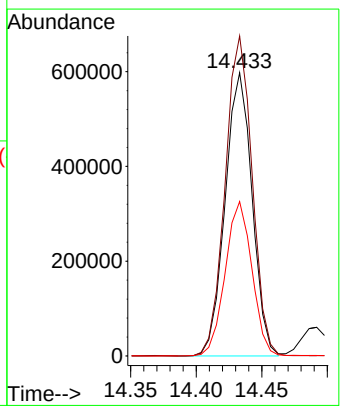
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

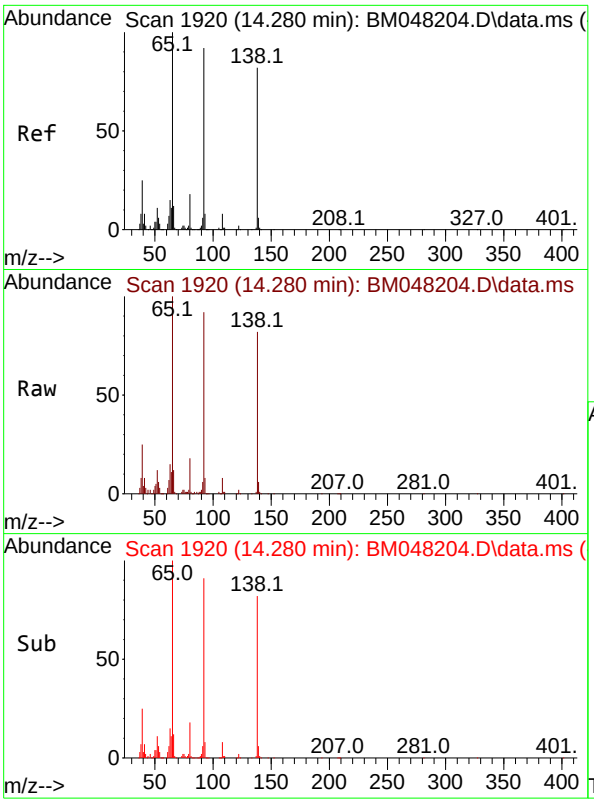


#52
Acenaphthene
Concen: 40.777 ng
RT: 14.433 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:154 Resp: 854759

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.4	135.6
152	54.5	43.6	65.4

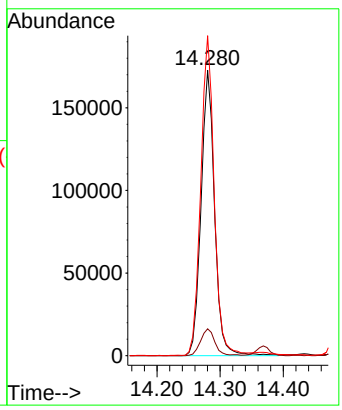




#53
3-Nitroaniline
Concen: 44.625 ng
RT: 14.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:138 Resp: 25748

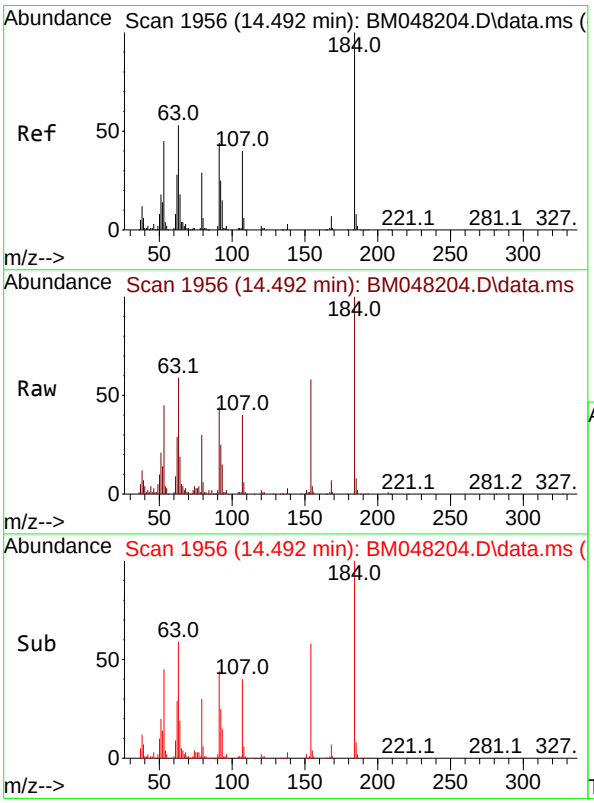
Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	112.1	89.7	134.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

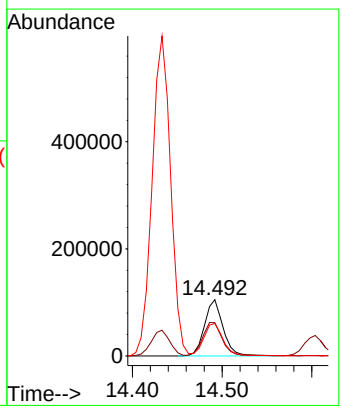
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

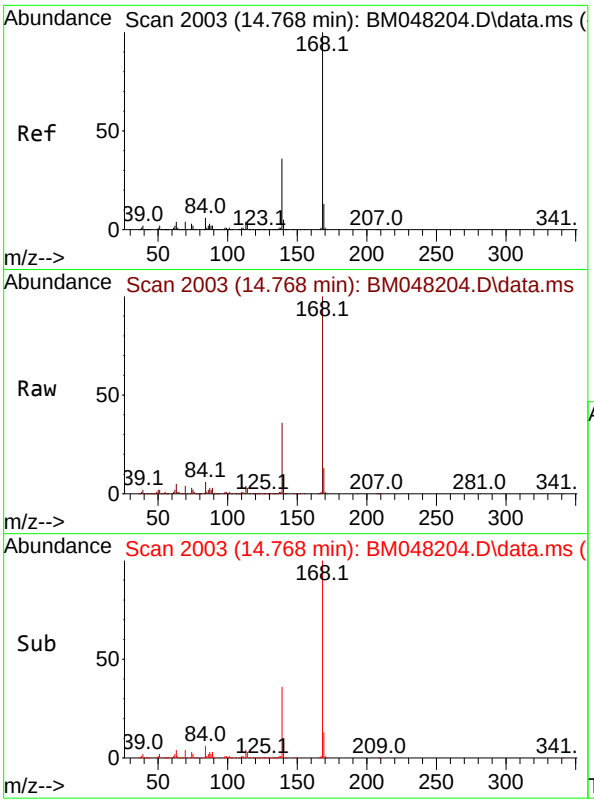


#54
2,4-Dinitrophenol
Concen: 42.199 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:184 Resp: 150875

Ion	Ratio	Lower	Upper
184	100		
63	59.0	47.2	70.8
154	57.5	46.0	69.0

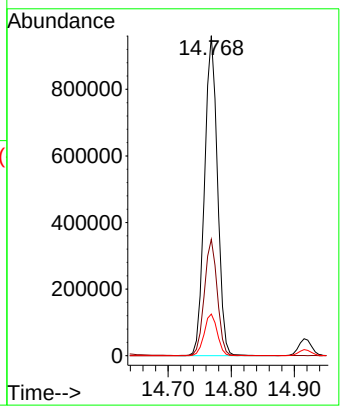




#55
Dibenzofuran
Concen: 41.052 ng
RT: 14.768 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:168 Resp: 136715

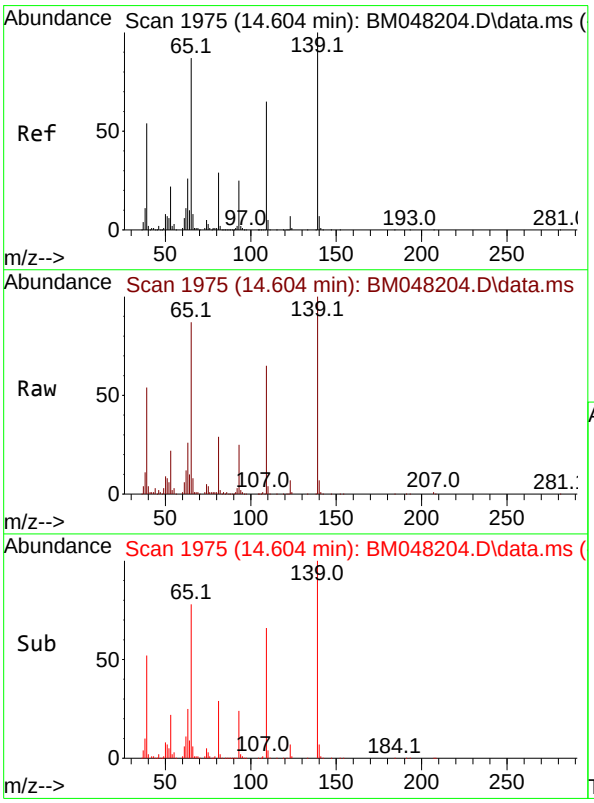
Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.0	43.6
169	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

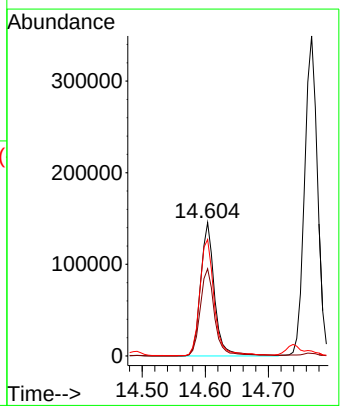
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

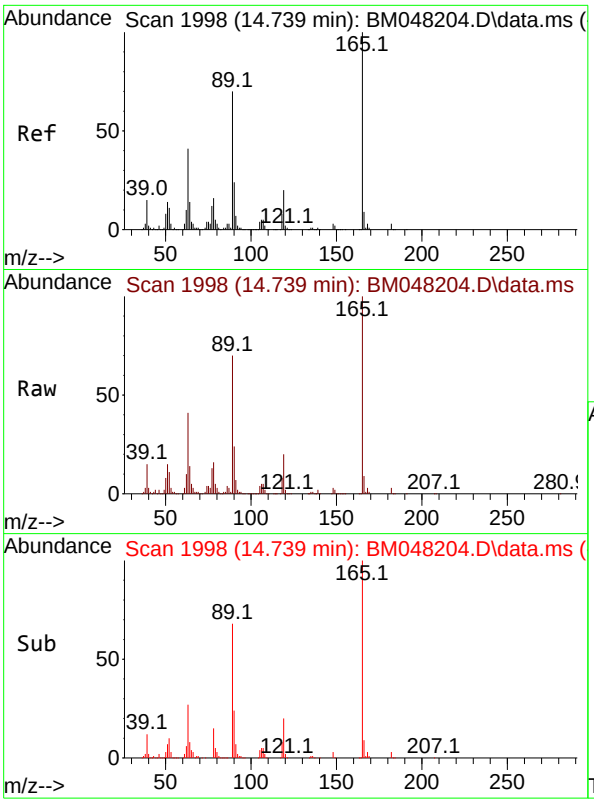


#56
4-Nitrophenol
Concen: 43.180 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:139 Resp: 222361

Ion	Ratio	Lower	Upper
139	100		
109	65.4	45.4	85.4
65	87.3	67.3	107.3

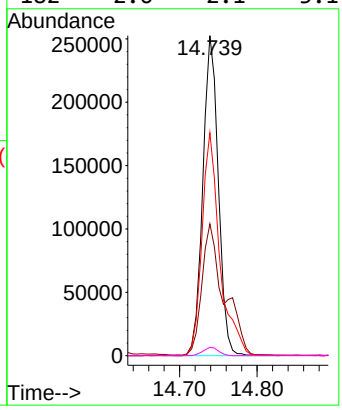




#57
2,4-Dinitrotoluene
Concen: 43.403 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:165 Resp: 35068

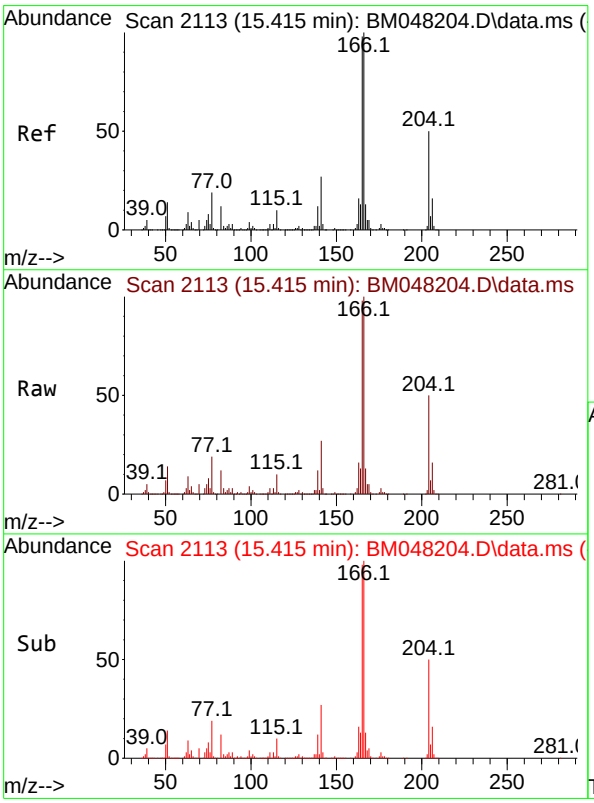
Ion	Ratio	Lower	Upper
165	100		
63	41.2	33.0	49.4
89	69.7	55.8	83.6
182	2.6	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

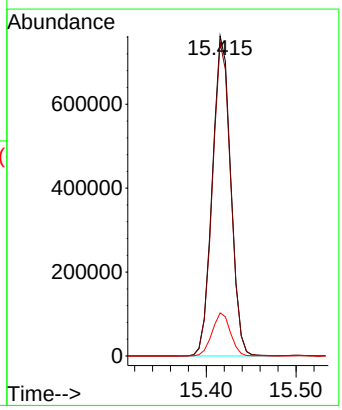
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

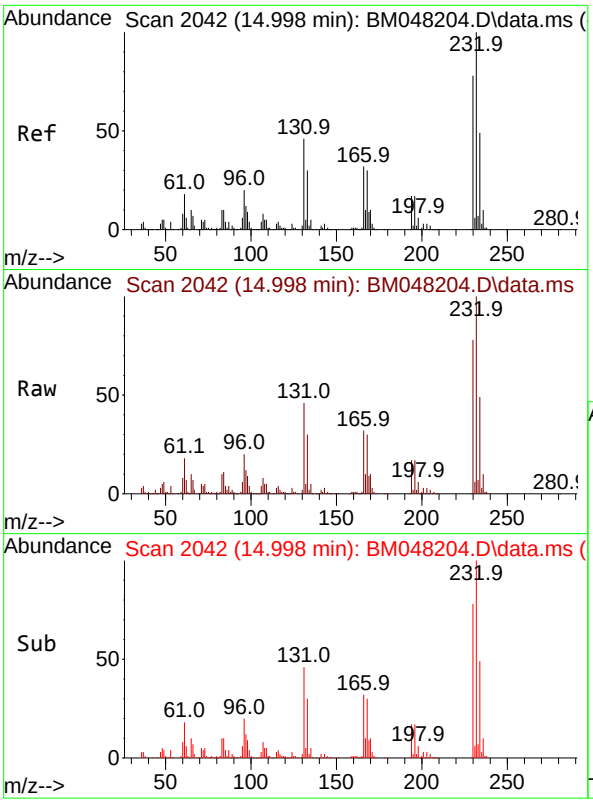


#58
Fluorene
Concen: 41.220 ng
RT: 15.415 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:166 Resp: 1085490

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.4	117.6
167	13.5	10.8	16.2

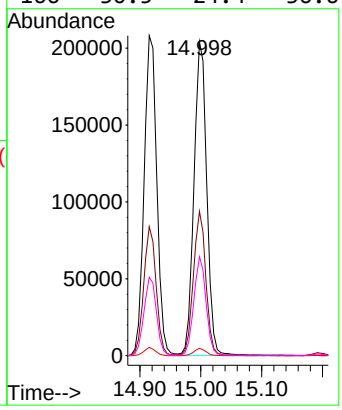




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.198 ng
RT: 14.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:232 Resp: 29717

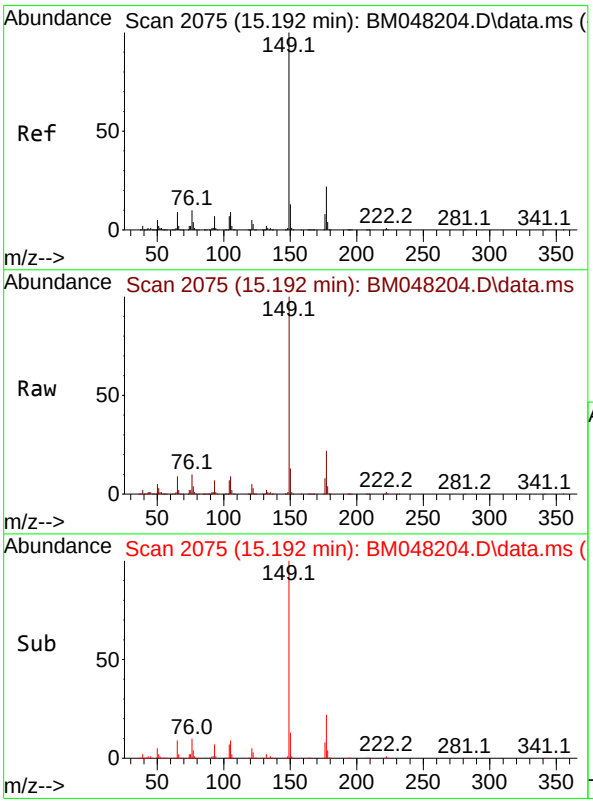
Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.5	53.3
130	2.2	1.8	2.6
166	30.5	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

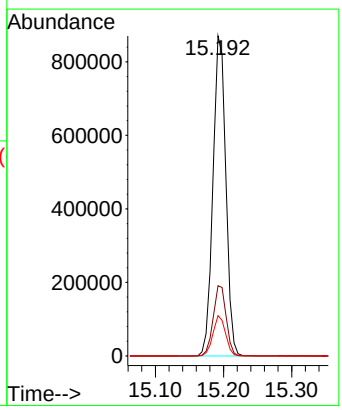
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

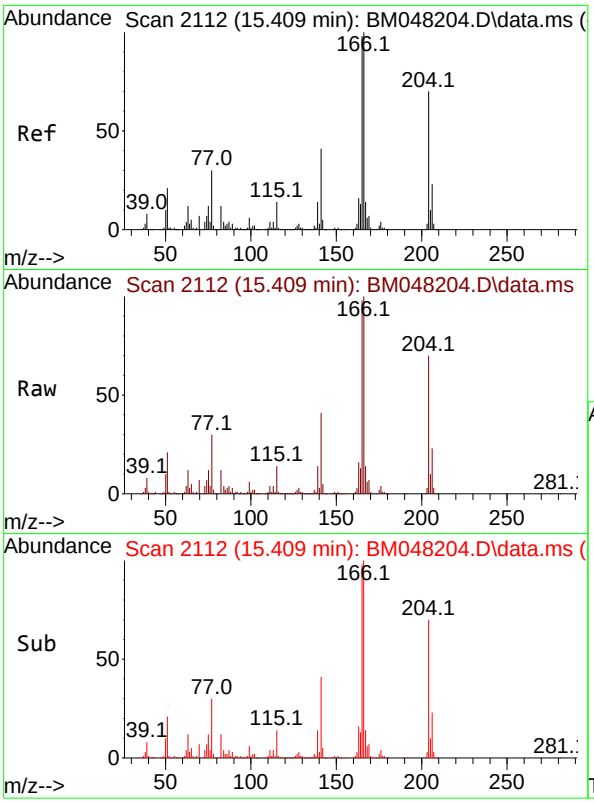


#60
Diethylphthalate
Concen: 41.204 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:149 Resp: 1143973

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.956 ng
RT: 15.409 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

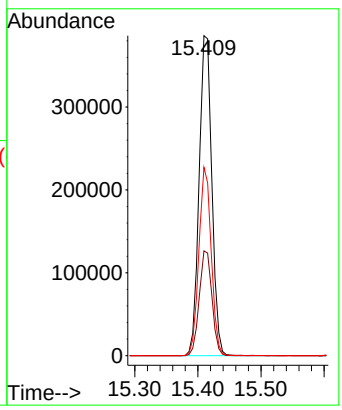
Tgt Ion:204 Resp: 53927

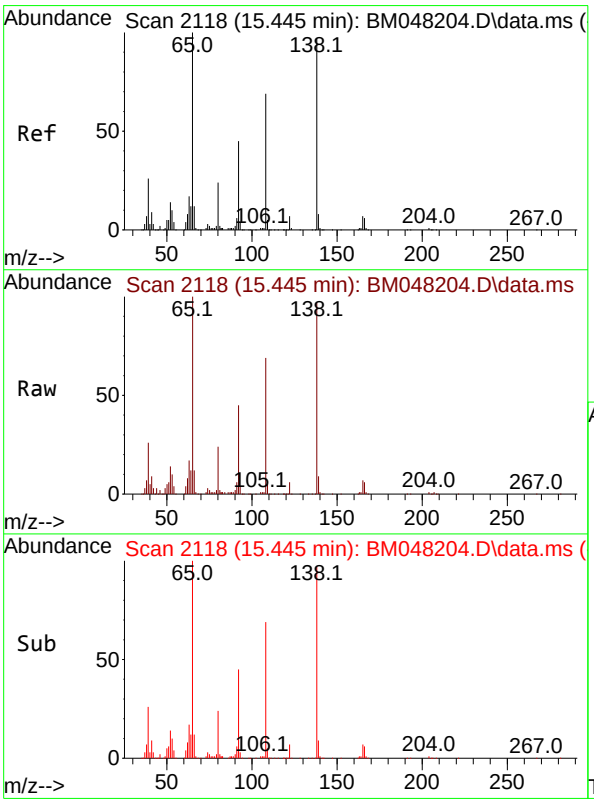
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	58.8	47.0	70.6

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

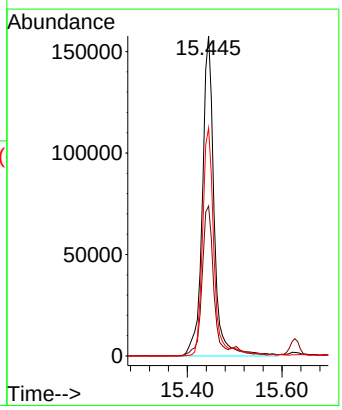


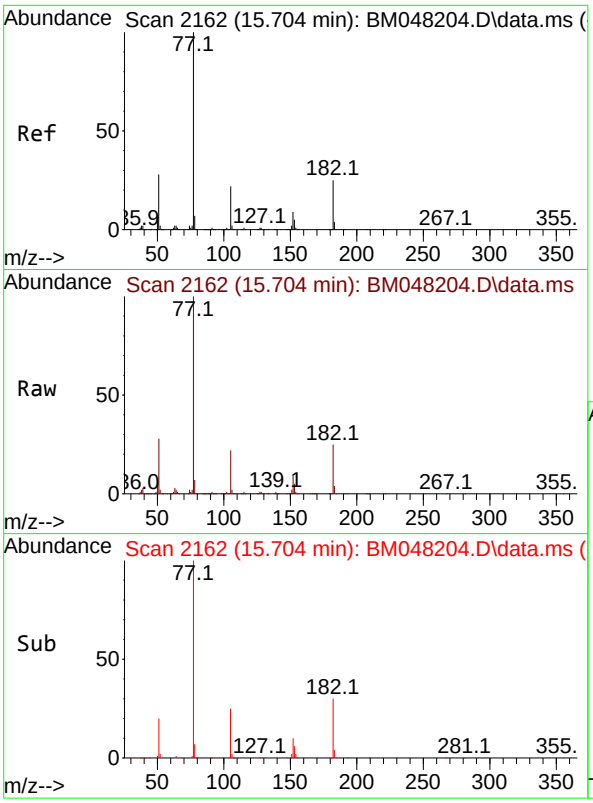


#62
4-Nitroaniline
Concen: 45.557 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:138 Resp: 272051

Ion	Ratio	Lower	Upper
138	100		
92	46.9	26.9	66.9
108	71.3	51.3	91.3

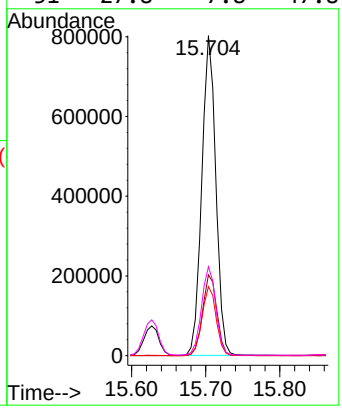




#63
Azobenzene
Concen: 42.410 ng
RT: 15.704 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion: 77 Resp: 105533

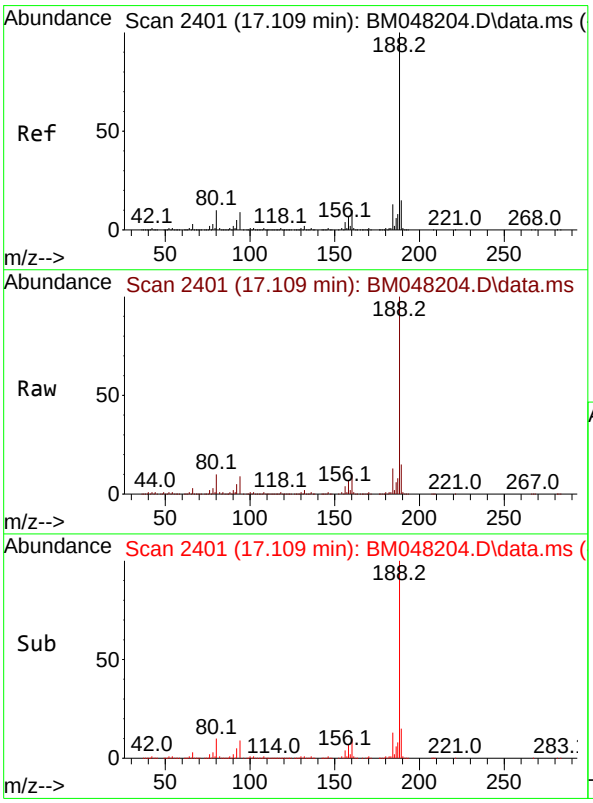
Ion	Ratio	Lower	Upper
77	100		
182	25.3	5.3	45.3
105	21.6	1.6	41.6
51	27.8	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

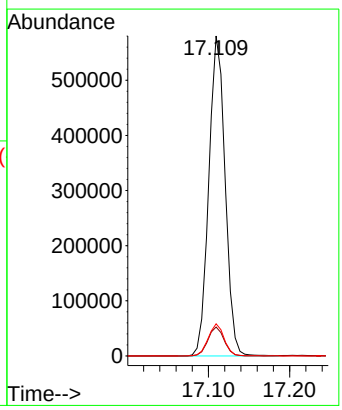
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

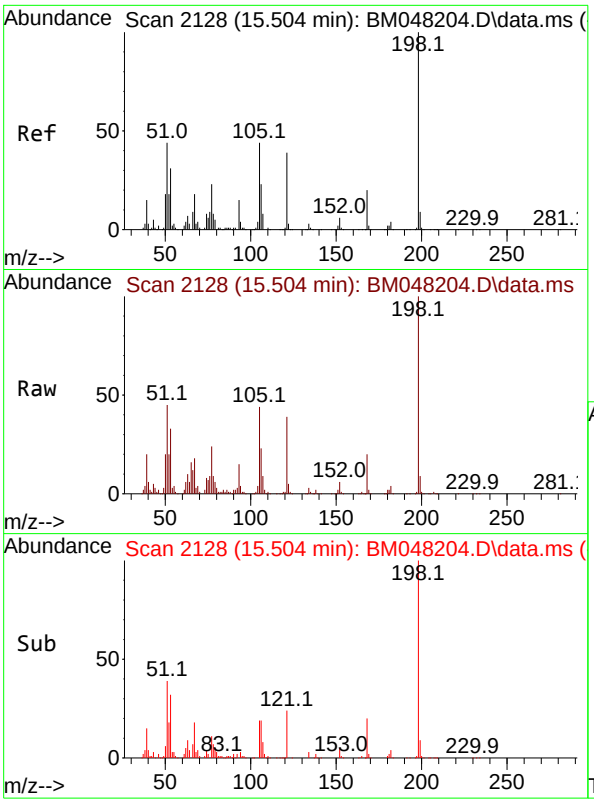


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:188 Resp: 809301

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.0	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 44.635 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

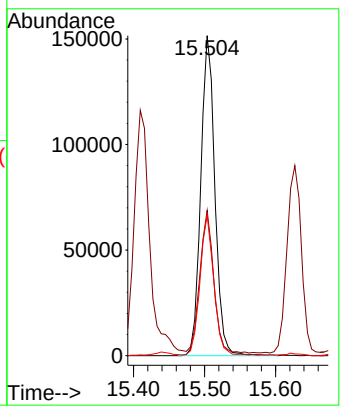
Tgt Ion:198 Resp: 20959

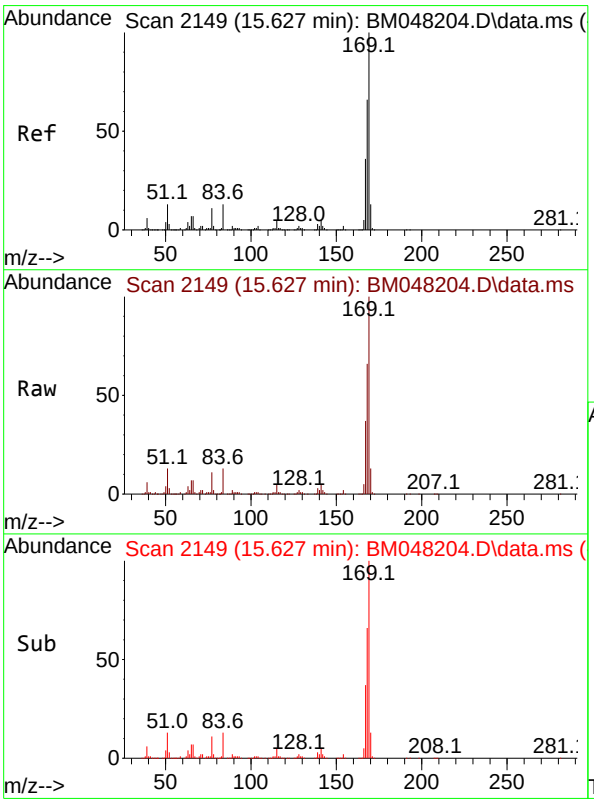
Ion	Ratio	Lower	Upper
198	100		
51	45.4	25.4	65.4
105	43.9	23.9	63.9

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

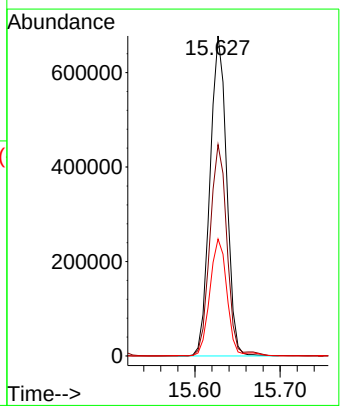


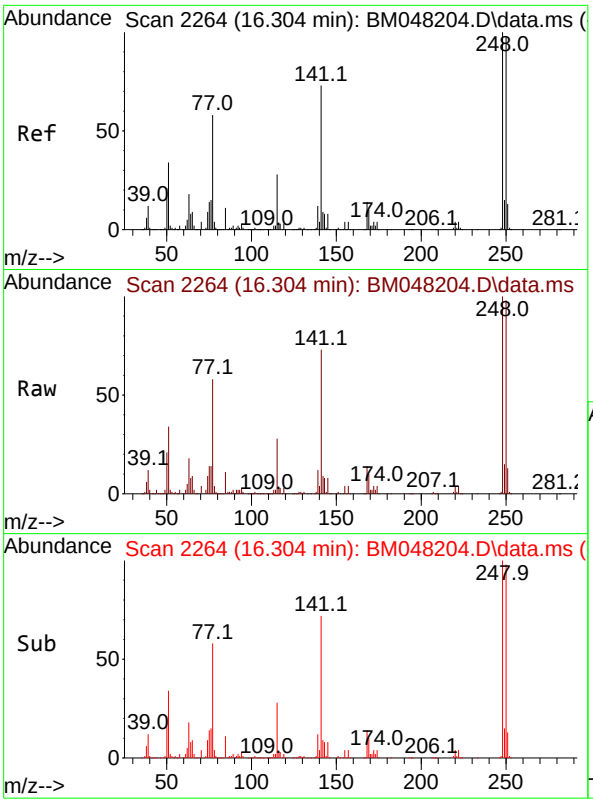


#66
n-Nitrosodiphenylamine
Concen: 41.491 ng
RT: 15.627 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:169 Resp: 921798

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.9	79.3
167	36.6	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 41.056 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

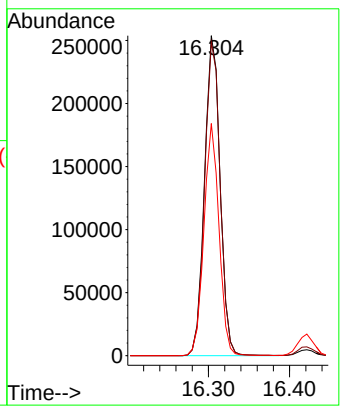
Tgt Ion:248 Resp: 33687

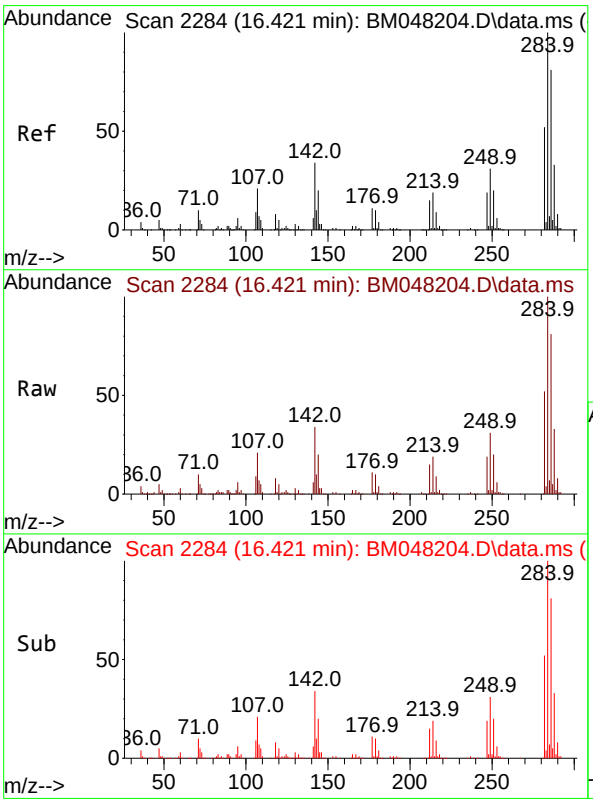
Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	72.5	58.0	87.0

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

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Supervised By :mohammad ahmed 10/24/2024

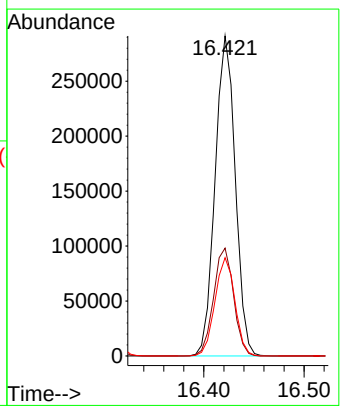


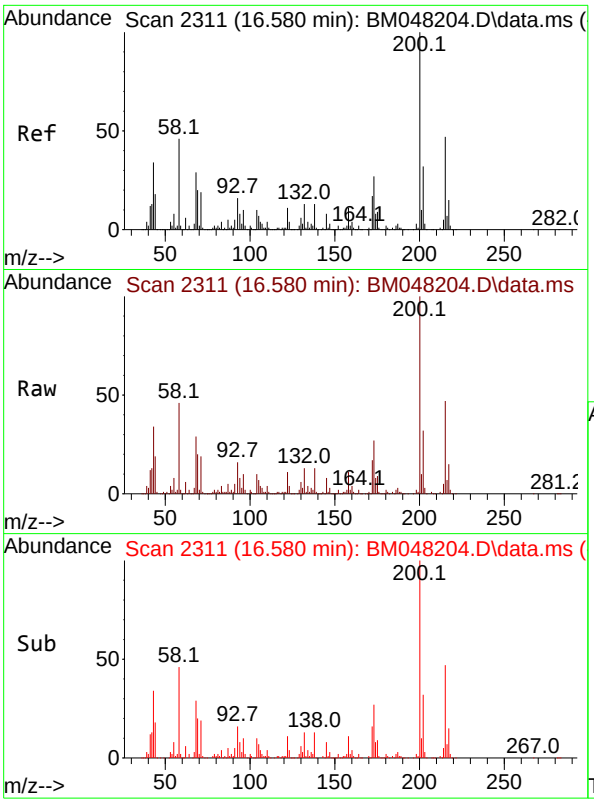


#68
Hexachlorobenzene
Concen: 41.179 ng
RT: 16.421 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:284 Resp: 405817

Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.0	40.4
249	30.7	24.6	36.8





#69
Atrazine
Concen: 48.454 ng
RT: 16.580 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

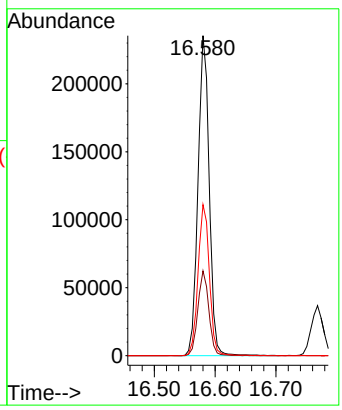
Tgt Ion:200 Resp: 30120

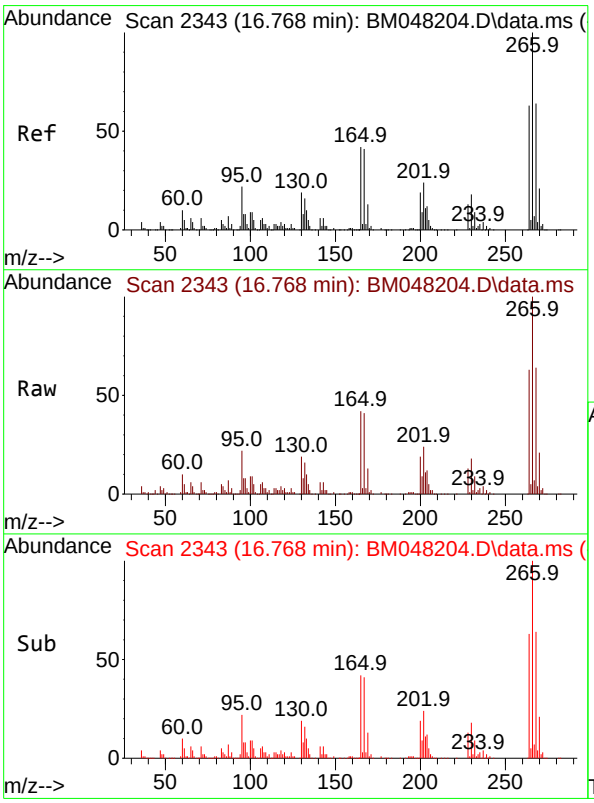
Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.5	46.5
215	47.2	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

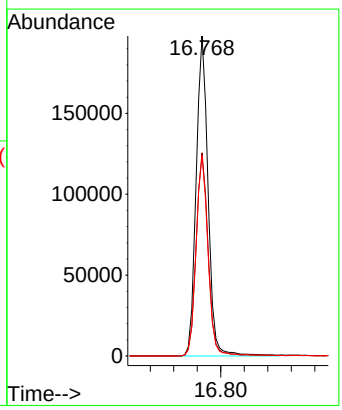


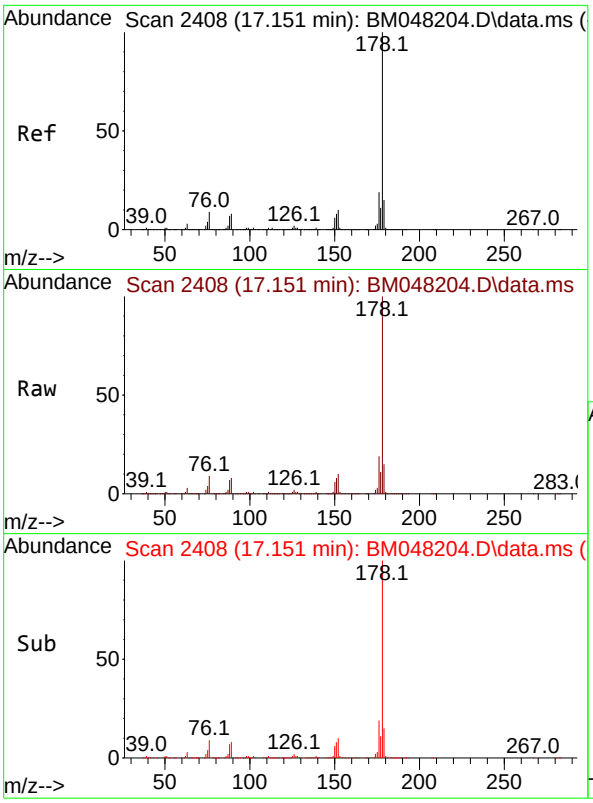


#70
Pentachlorophenol
Concen: 43.118 ng
RT: 16.768 min Scan# 2343
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:266 Resp: 278981

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.8	76.2
264	62.7	50.2	75.2





#71
Phenanthrene
Concen: 41.081 ng
RT: 17.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

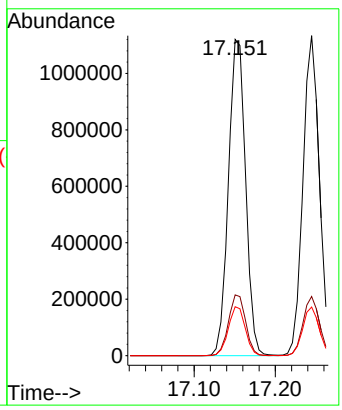
Tgt Ion:178 Resp: 164631

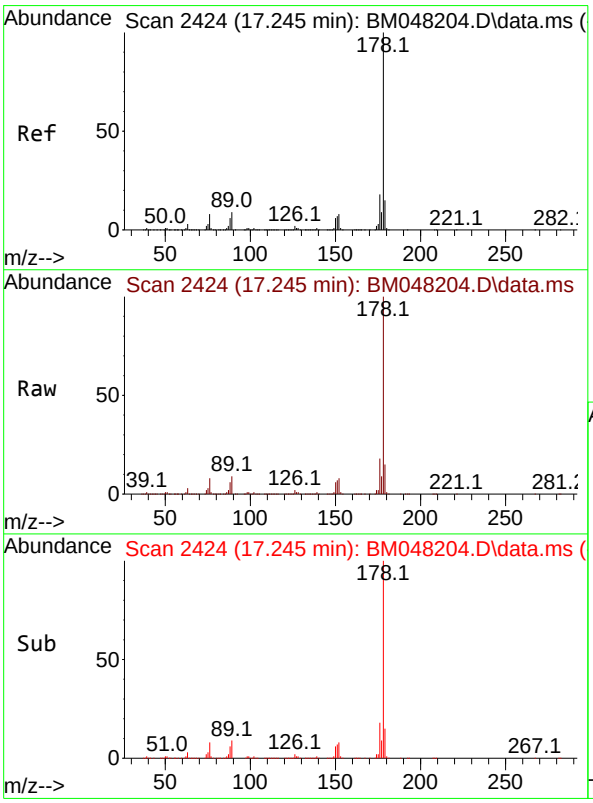
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

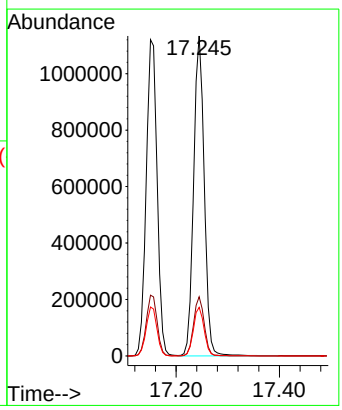


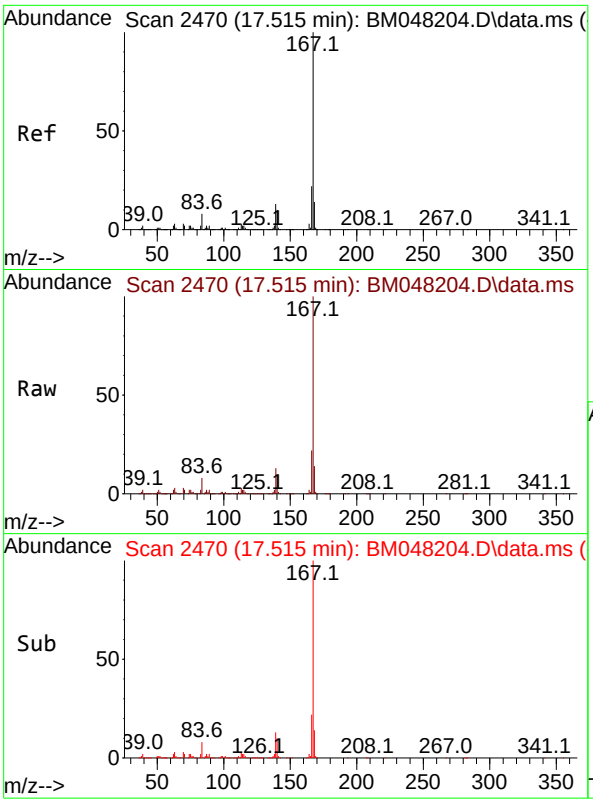


#72
Anthracene
Concen: 41.639 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:178 Resp: 1615333

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.2

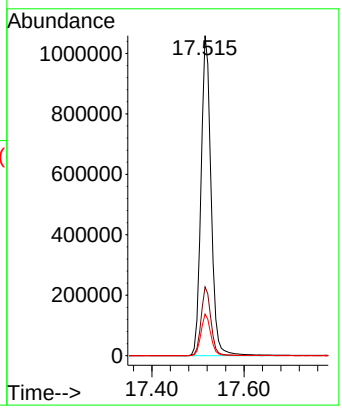




#73
Carbazole
Concen: 42.316 ng
RT: 17.515 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:167 Resp: 160925

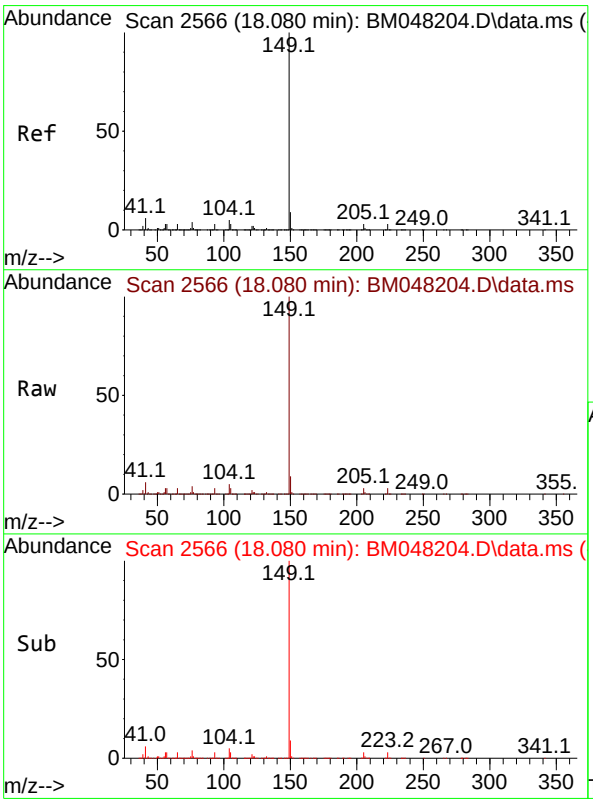
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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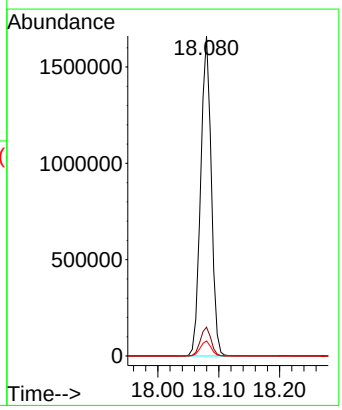
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

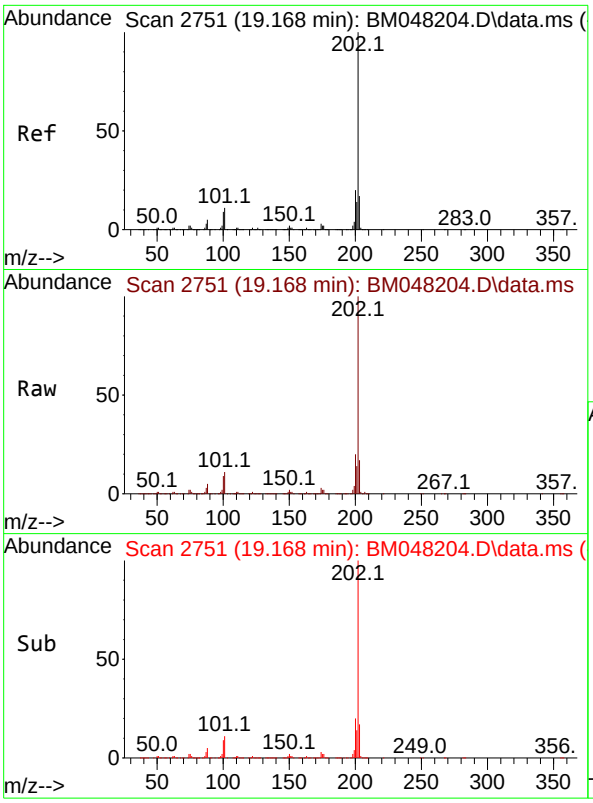


#74
Di-n-butylphthalate
Concen: 42.419 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:149 Resp: 2007999

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.7	3.8	5.6

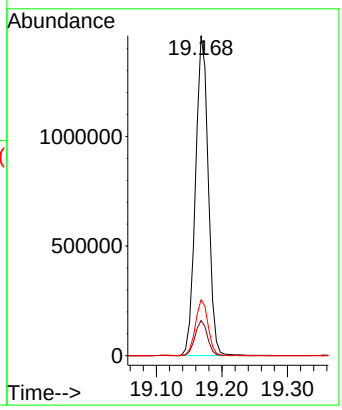




#75
Fluoranthene
Concen: 41.413 ng
RT: 19.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:202 Resp: 197968

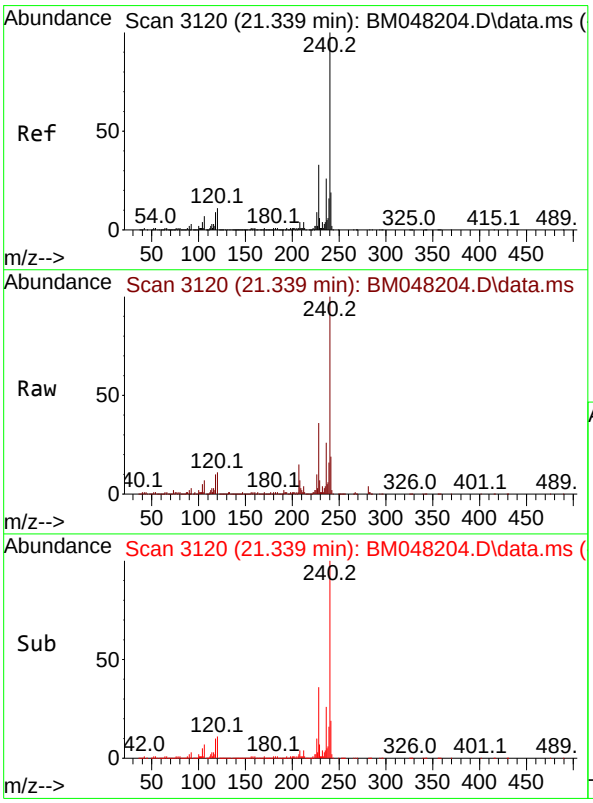
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	17.5	0.0	37.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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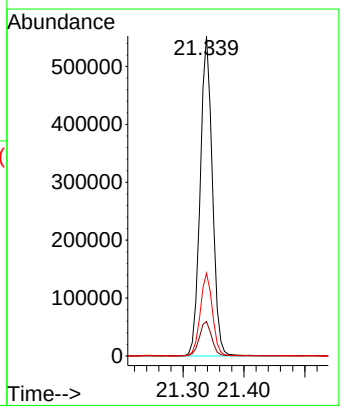
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

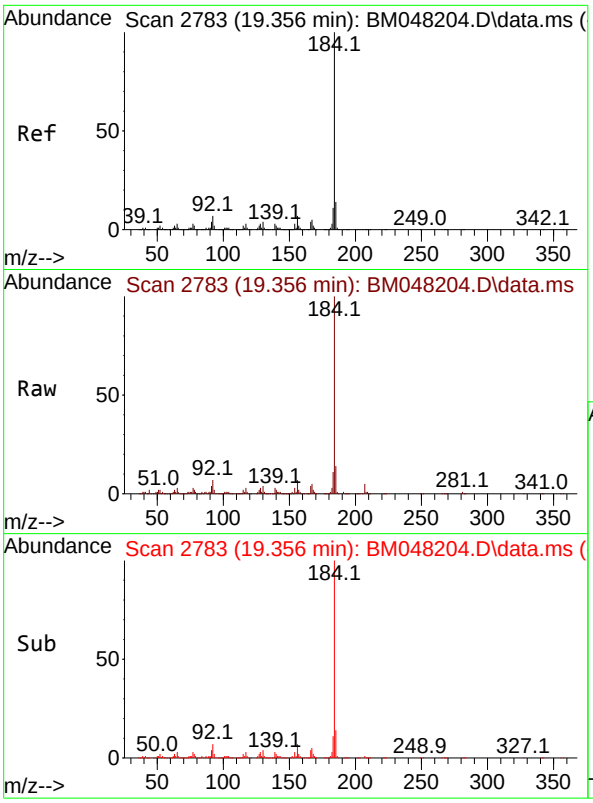


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:240 Resp: 767144

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.9	20.7	31.1

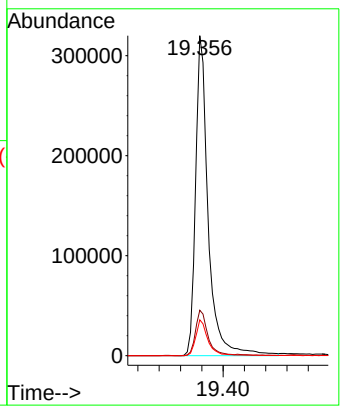




#77
Benzidine
Concen: 59.563 ng
RT: 19.356 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:184 Resp: 52734

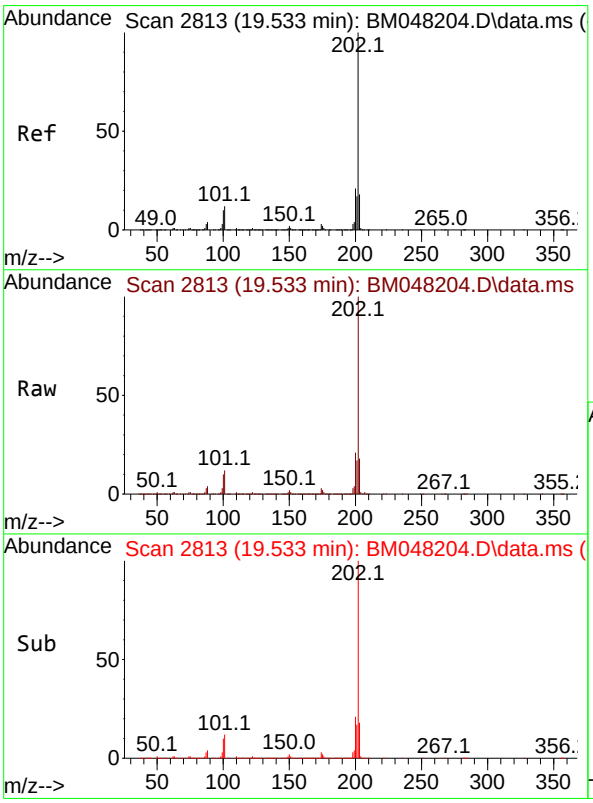
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.2	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
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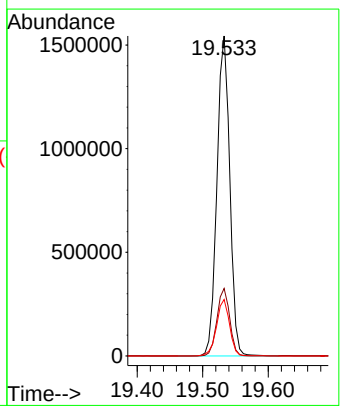
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

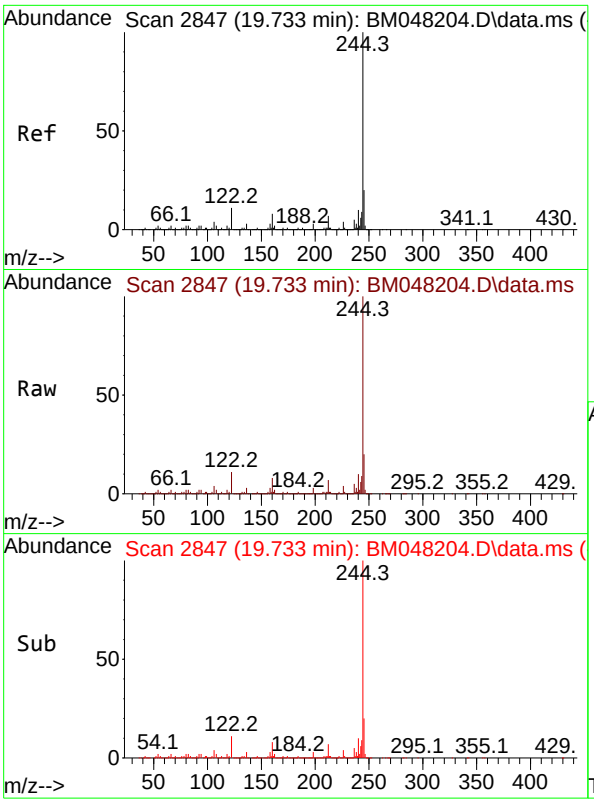


#78
Pyrene
Concen: 40.568 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:202 Resp: 2083036

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.6	14.1	21.1

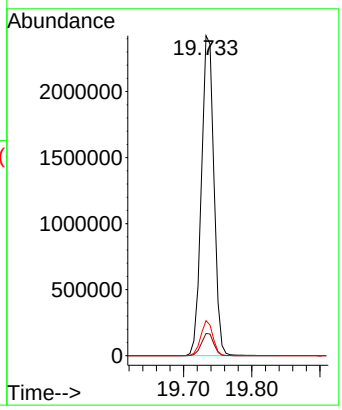




#79
Terphenyl-d14
Concen: 82.375 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:244 Resp: 309660

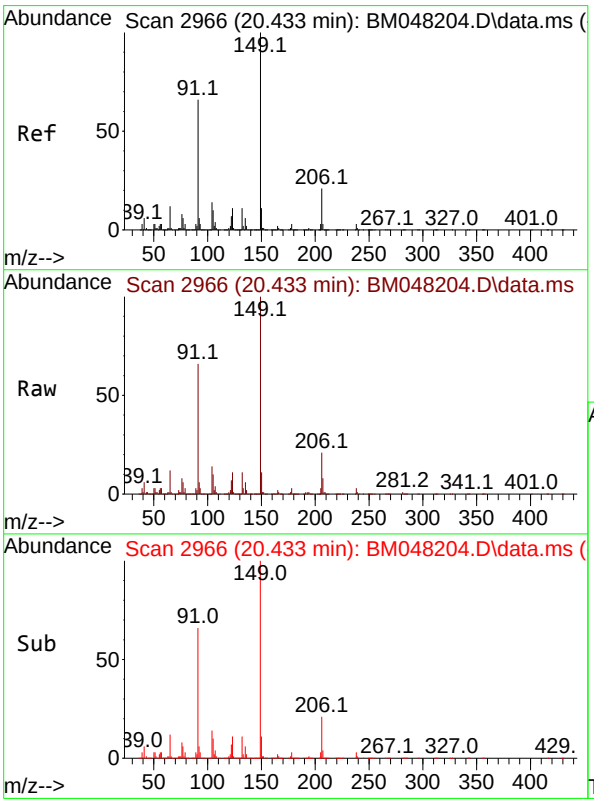
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.0	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

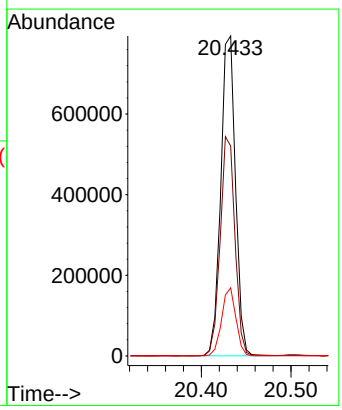
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

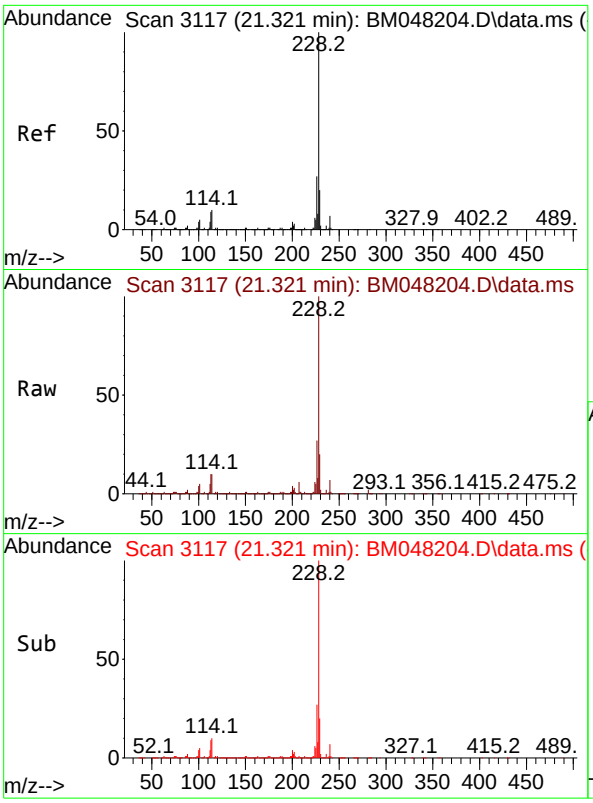


#80
Butylbenzylphthalate
Concen: 42.089 ng
RT: 20.433 min Scan# 2966
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:149 Resp: 903733

Ion	Ratio	Lower	Upper
149	100		
91	65.6	52.5	78.7
206	21.3	17.0	25.6





#81
Benzo(a)anthracene
Concen: 40.582 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

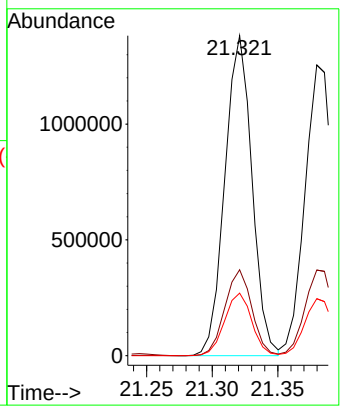
Tgt Ion:228 Resp: 198942

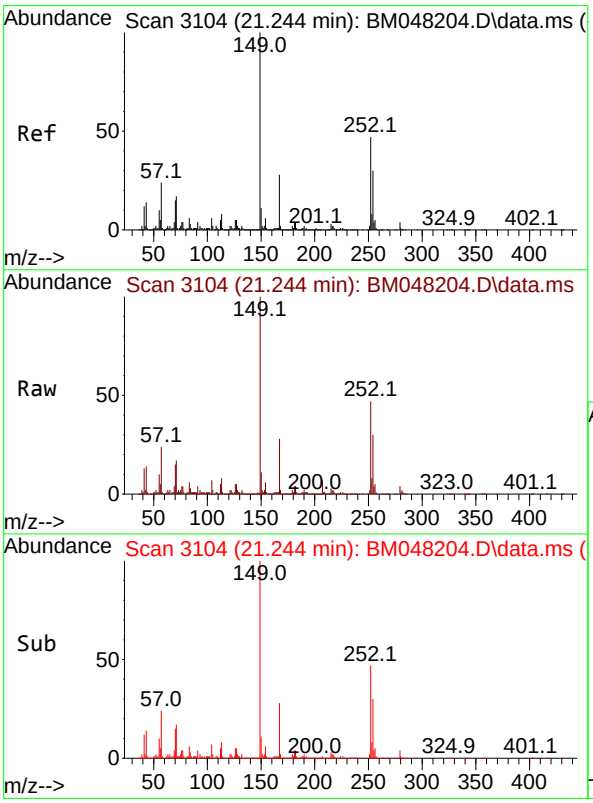
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.6	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

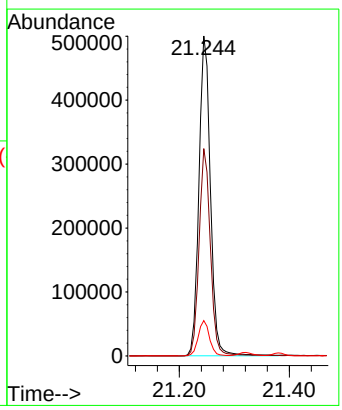


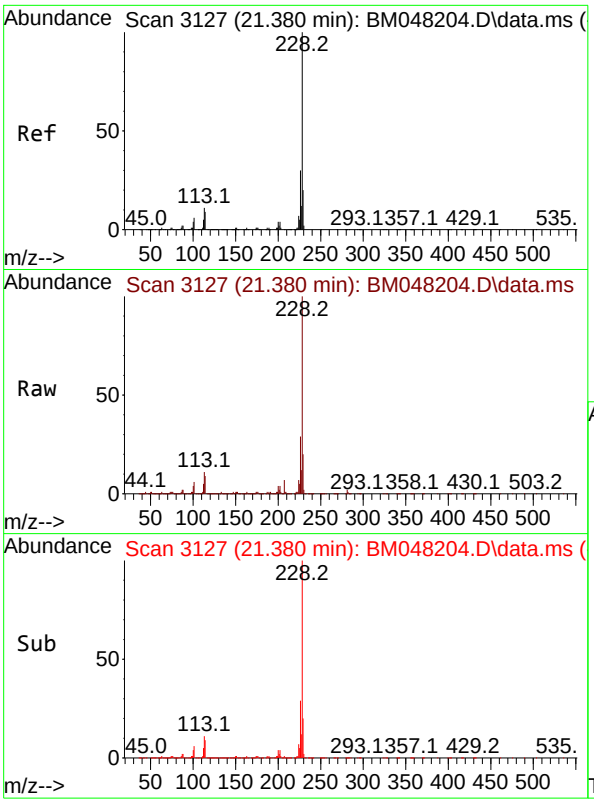


#82
3,3'-Dichlorobenzidine
Concen: 43.225 ng
RT: 21.244 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:252 Resp: 725818

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.8
126	11.0	8.8	13.2





#83
Chrysene
Concen: 40.561 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

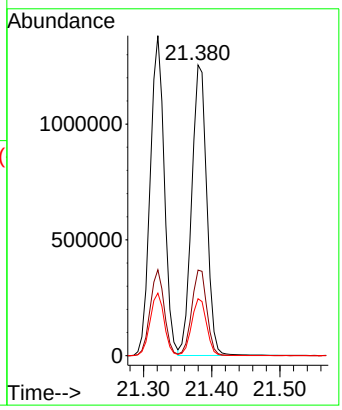
Tgt Ion:228 Resp: 190860

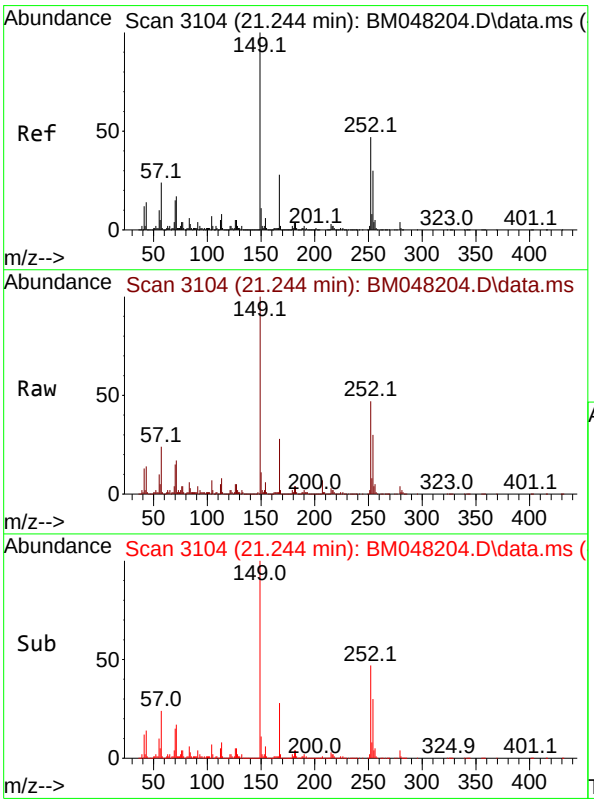
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	19.6	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

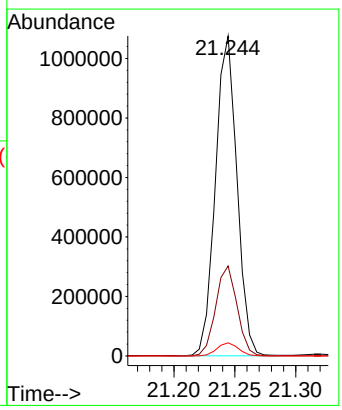


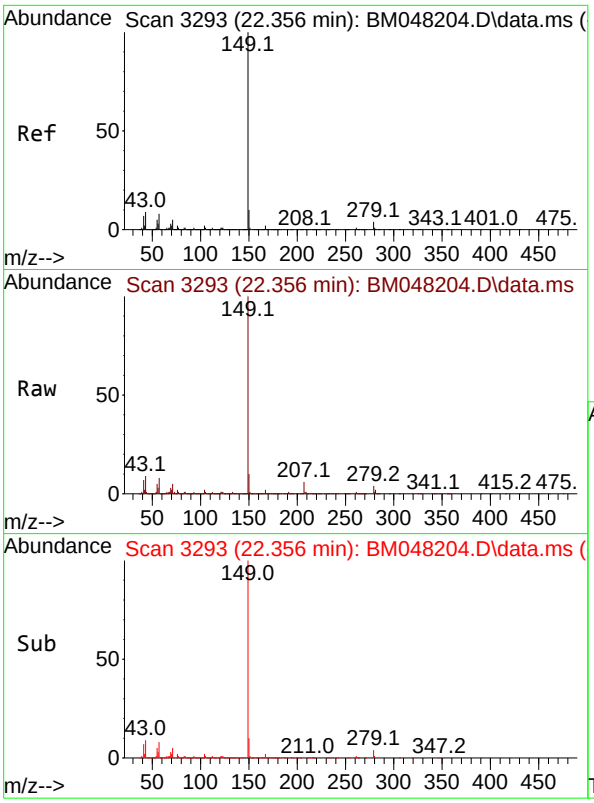


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.348 ng
RT: 21.244 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:149 Resp: 1321580

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	4.1	3.3	4.9

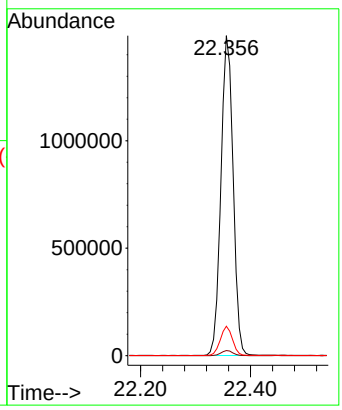




#85
Di-n-octyl phthalate
Concen: 42.331 ng
RT: 22.356 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:149 Resp: 228796

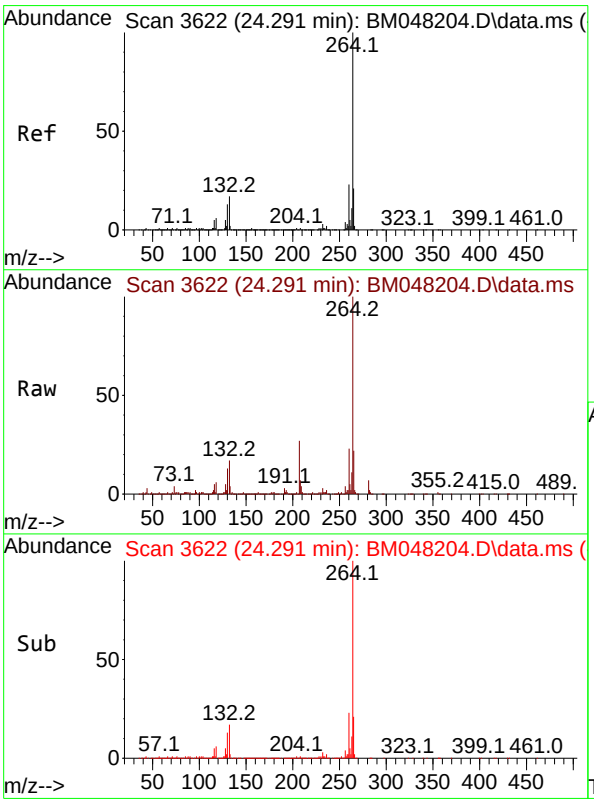
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.1	7.3	10.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

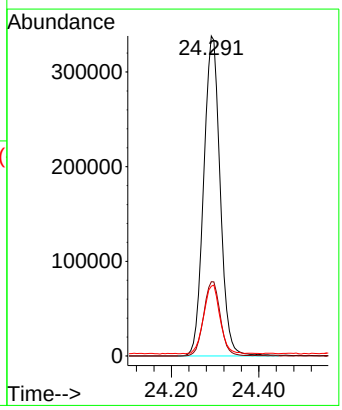
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

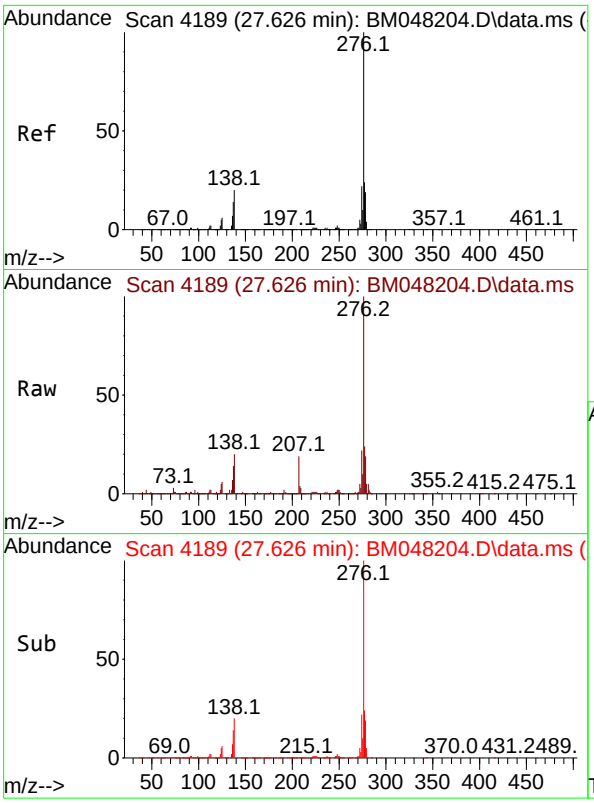


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:264 Resp: 886257

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.8	17.4	26.2

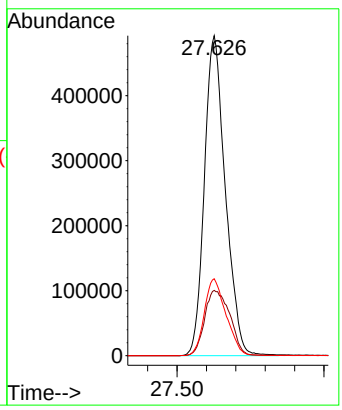




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.534 ng
RT: 27.626 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:276 Resp: 243412

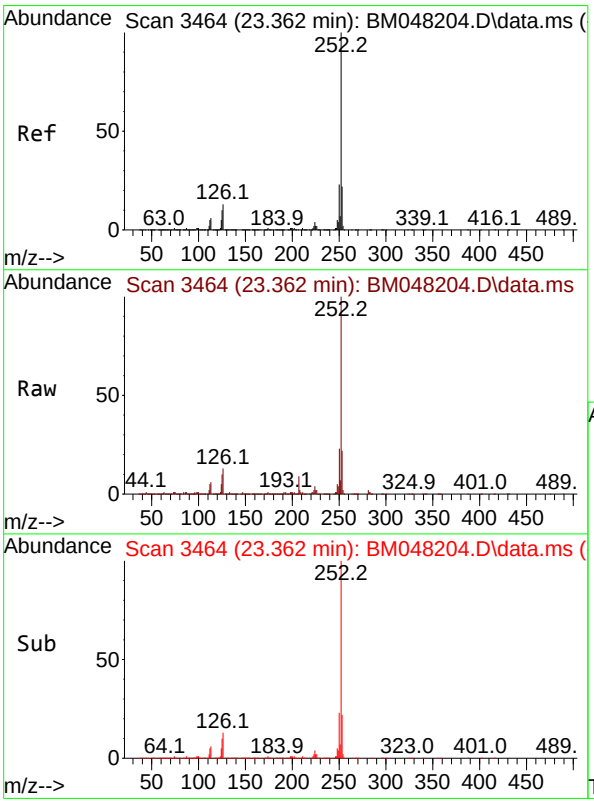
Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

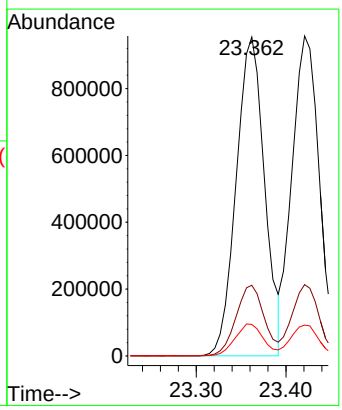
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

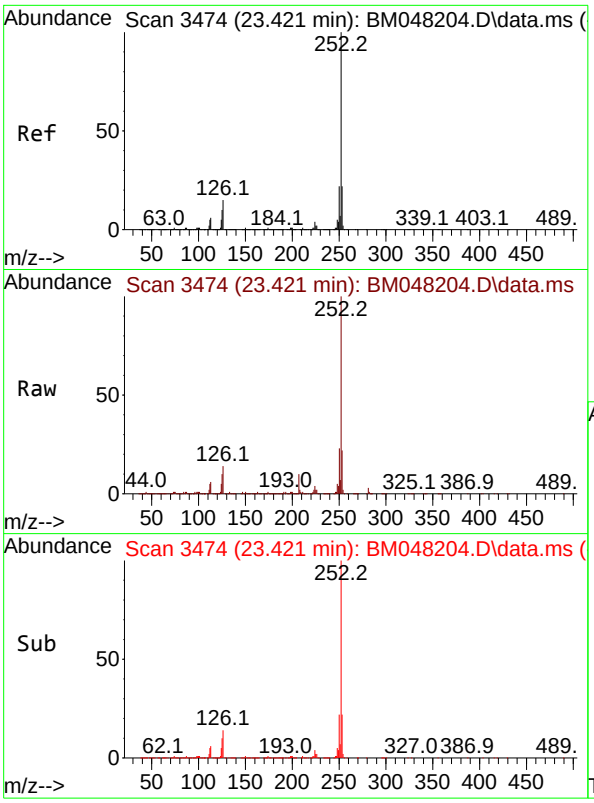


#88
Benzo(b)fluoranthene
Concen: 41.220 ng
RT: 23.362 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:252 Resp: 2094557

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.9	7.9	11.9

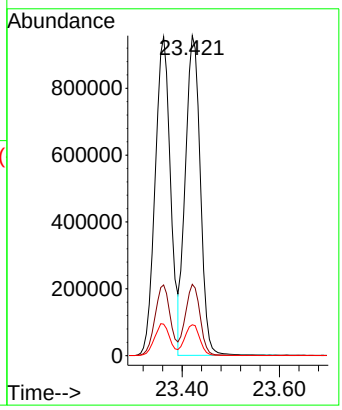




#89
Benzo(k)fluoranthene
Concen: 41.396 ng
RT: 23.421 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:252 Resp: 203378

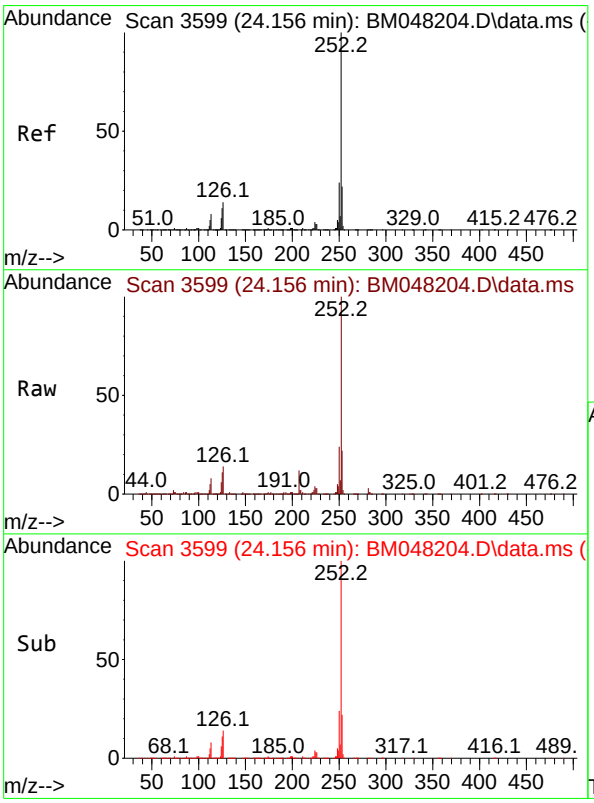
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.7	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

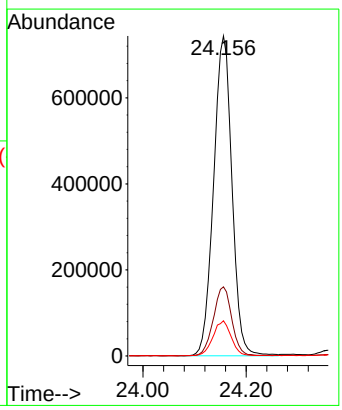
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

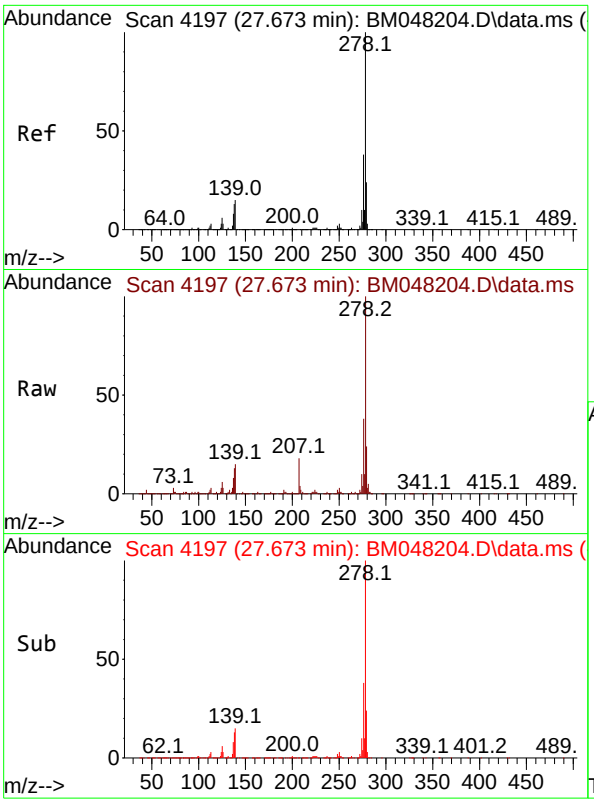


#90
Benzo(a)pyrene
Concen: 41.472 ng
RT: 24.156 min Scan# 3599
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:252 Resp: 1832122

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	11.0	8.8	13.2

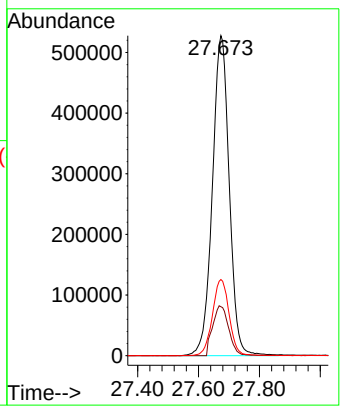




#91
Dibenzo(a,h)anthracene
Concen: 41.649 ng
RT: 27.673 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:278 Resp: 203260

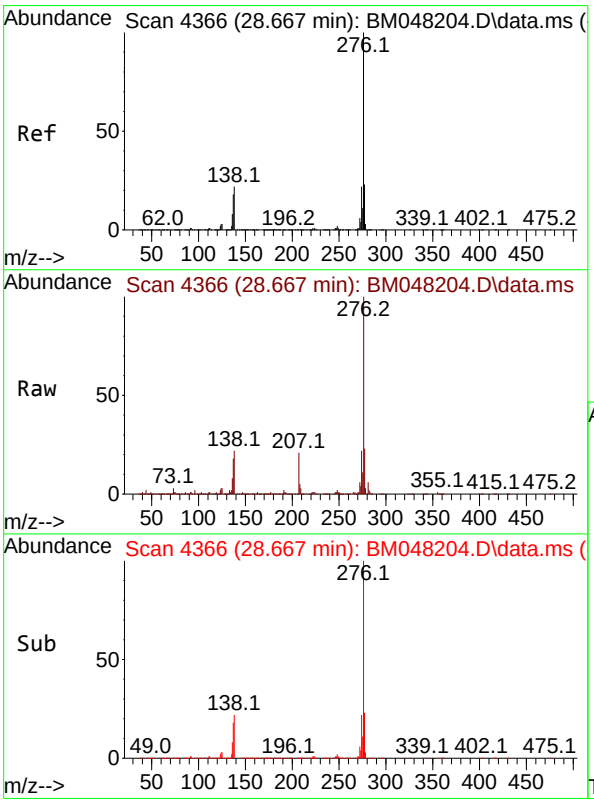
Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.2	18.4
279	23.8	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

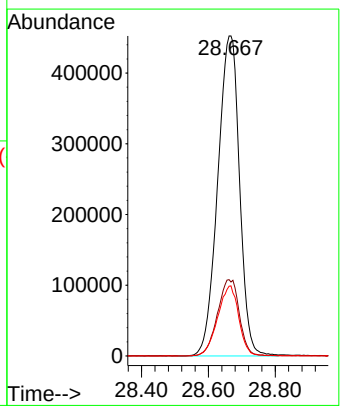
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 40.995 ng
RT: 28.667 min Scan# 4366
Delta R.T. 0.000 min
Lab File: BM048204.D
Acq: 23 Oct 2024 15:04

Tgt Ion:276 Resp: 2048720

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	21.9	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048205.D
Acq On : 23 Oct 2024 15:43
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:00:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	226780	20.000	ng		0.00
21) Naphthalene-d8	10.516	136	900145	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	555495	20.000	ng		0.00
64) Phenanthrene-d10	17.110	188	1094643	20.000	ng		0.00
76) Chrysene-d12	21.339	240	975928	20.000	ng		0.00
86) Perylene-d12	24.297	264	1164573	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.310	112	1317956	97.690	ng		0.00
7) Phenol-d6	6.910	99	1727219	98.305	ng		0.00
23) Nitrobenzene-d5	8.887	82	1590398	99.760	ng		0.00
42) 2,4,6-Tribromophenol	15.863	330	666150	97.973	ng		0.00
45) 2-Fluorobiphenyl	12.986	172	3494645	96.536	ng		0.00
79) Terphenyl-d14	19.739	244	4661915	97.484	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	255490	46.264	ng		99
3) Pyridine	3.611	79	707596m	48.314	ng		
4) n-Nitrosodimethylamine	3.516	42	303498	48.725	ng		98
6) Aniline	7.057	93	699922	47.991	ng		99
8) 2-Chlorophenol	7.293	128	716637	48.893	ng		99
9) Benzaldehyde	6.863	77	364400	42.145	ng		99
10) Phenol	6.934	94	874602	49.477	ng		100
11) bis(2-Chloroethyl)ether	7.151	93	692153	49.159	ng		100
12) 1,3-Dichlorobenzene	7.610	146	809606	47.910	ng		99
13) 1,4-Dichlorobenzene	7.757	146	824466	48.025	ng		99
14) 1,2-Dichlorobenzene	8.075	146	793744	47.840	ng		99
15) Benzyl Alcohol	7.969	79	572739	51.096	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	992544	48.195	ng		99
17) 2-Methylphenol	8.181	107	584117	49.728	ng		99
18) Hexachloroethane	8.798	117	301867	47.975	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	536046	48.225	ng		99
20) 3+4-Methylphenols	8.510	107	815862	50.139	ng		99
22) Acetophenone	8.551	105	1080318	49.176	ng	#	98
24) Nitrobenzene	8.928	77	821736	49.748	ng		98
25) Isophorone	9.457	82	1445026	49.450	ng		99
26) 2-Nitrophenol	9.634	139	400305	52.487	ng		98
27) 2,4-Dimethylphenol	9.704	122	465804	50.341	ng		99
28) bis(2-Chloroethoxy)met...	9.934	93	916465	49.561	ng		98
29) 2,4-Dichlorophenol	10.175	162	677221	50.877	ng		99
30) 1,2,4-Trichlorobenzene	10.381	180	746776	48.985	ng		99
31) Naphthalene	10.563	128	2277448	48.510	ng		100
32) Benzoic acid	9.881	122	549306	53.102	ng		99
33) 4-Chloroaniline	10.687	127	769293	50.524	ng		99
34) Hexachlorobutadiene	10.851	225	457271	48.397	ng		98
35) Caprolactam	11.486	113	217992	50.495	ng		96
36) 4-Chloro-3-methylphenol	11.816	107	694996	50.016	ng		98
37) 2-Methylnaphthalene	12.181	142	1525344	48.628	ng		100
38) 1-Methylnaphthalene	12.404	142	1506538	48.435	ng		99
40) 1,2,4,5-Tetrachloroben...	12.557	216	781439	49.218	ng		100
41) Hexachlorocyclopentadiene	12.533	237	278302	51.798	ng		98
43) 2,4,6-Trichlorophenol	12.798	196	528679	50.175	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048205.D
Acq On : 23 Oct 2024 15:43
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 18:00:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	587391	49.992	ng	99
46) 1,1'-Biphenyl	13.198	154	1938780	48.885	ng	99
47) 2-Chloronaphthalene	13.239	162	1539103	49.218	ng	99
48) 2-Nitroaniline	13.451	65	443237	52.259	ng	98
49) Acenaphthylene	14.092	152	2240499	49.109	ng	99
50) Dimethylphthalate	13.833	163	1814251	47.842	ng	99
51) 2,6-Dinitrotoluene	13.951	165	430391	50.865	ng	97
52) Acenaphthene	14.433	154	1414132	48.782	ng	98
53) 3-Nitroaniline	14.280	138	422887	52.996	ng	98
54) 2,4-Dinitrophenol	14.492	184	262940	53.178	ng	99
55) Dibenzofuran	14.769	168	2208333	47.949	ng	100
56) 4-Nitrophenol	14.604	139	369939	51.946	ng	98
57) 2,4-Dinitrotoluene	14.739	165	579606	51.872	ng	99
58) Fluorene	15.422	166	1732566	47.574	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	467858	48.039	ng	99
60) Diethylphthalate	15.198	149	1861550	48.484	ng	100
61) 4-Chlorophenyl-phenyle...	15.410	204	864842	47.494	ng	99
62) 4-Nitroaniline	15.445	138	444235	53.792	ng	98
63) Azobenzene	15.704	77	1699426	49.384	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	339859	53.510	ng	98
66) n-Nitrosodiphenylamine	15.627	169	1471711	48.975	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	544894	49.097	ng	99
68) Hexachlorobenzene	16.421	284	646893	48.531	ng	99
69) Atrazine	16.580	200	302427	35.969	ng	99
70) Pentachlorophenol	16.768	266	439138	50.179	ng	100
71) Phenanthrene	17.157	178	2607814	48.111	ng	99
72) Anthracene	17.245	178	2583977	49.246	ng	100
73) Carbazole	17.515	167	2537479	49.331	ng	100
74) Di-n-butylphthalate	18.080	149	3202126	50.012	ng	100
75) Fluoranthene	19.168	202	3111303	48.119	ng	100
77) Benzidine	19.357	184	378451	33.601	ng	99
78) Pyrene	19.533	202	3256497	49.853	ng	100
80) Butylbenzylphthalate	20.433	149	1422590	52.080	ng	99
81) Benzo(a)anthracene	21.321	228	3083790	49.448	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	1042618	48.808	ng	100
83) Chrysene	21.386	228	2936287	49.052	ng	99
84) Bis(2-ethylhexyl)phtha...	21.245	149	2045855	51.531	ng	100
85) Di-n-octyl phthalate	22.356	149	3623732	52.701	ng	100
87) Indeno(1,2,3-cd)pyrene	27.632	276	3799845	49.343	ng	100
88) Benzo(b)fluoranthene	23.362	252	3342204	50.054	ng	99
89) Benzo(k)fluoranthene	23.427	252	3068318	47.528	ng	100
90) Benzo(a)pyrene	24.162	252	2882375	49.653	ng	99
91) Dibenzo(a,h)anthracene	27.685	278	3162431	49.313	ng	99
92) Benzo(g,h,i)perylene	28.674	276	3235003	49.262	ng	98

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

ICAL Form

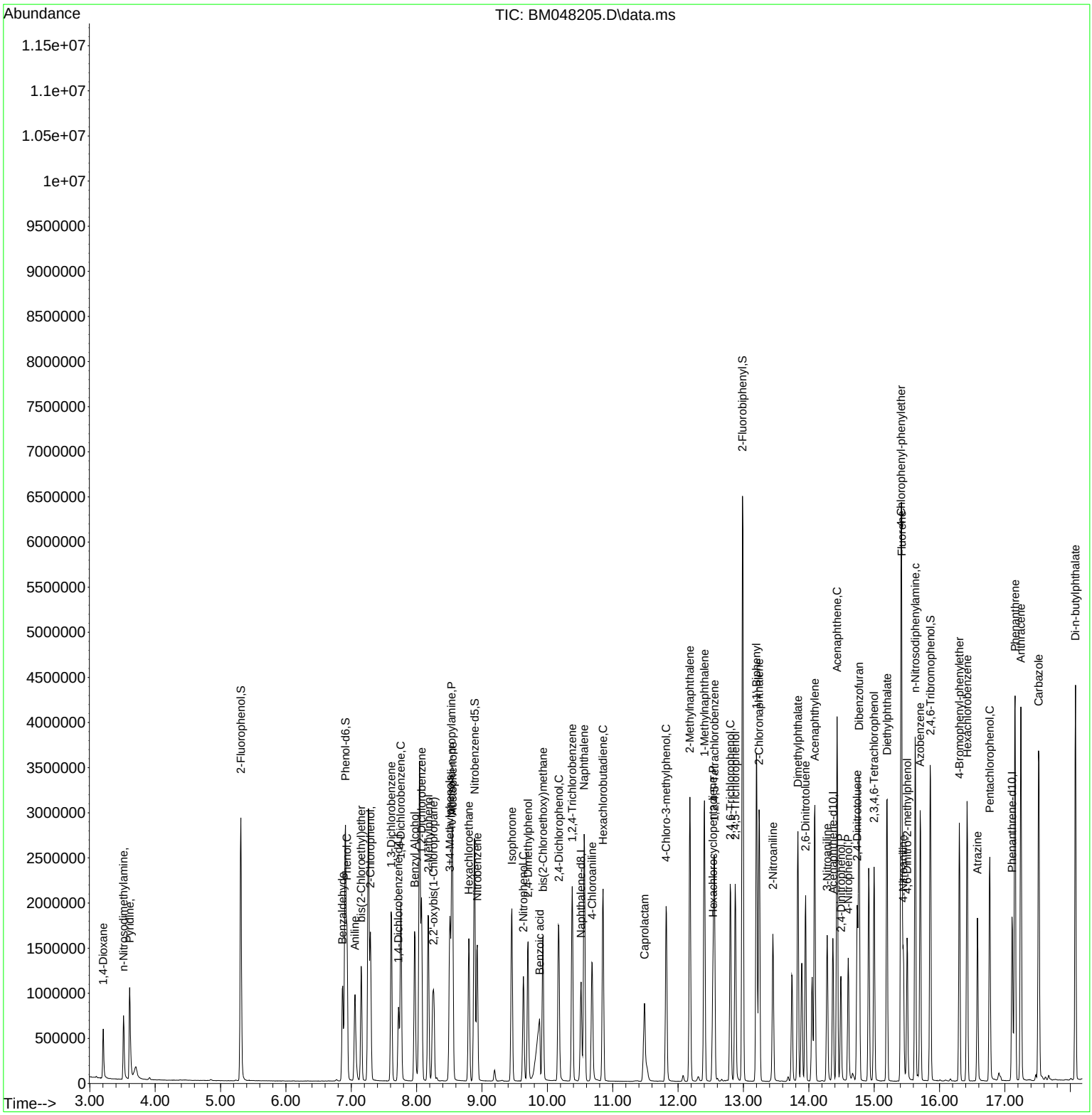
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Data File : BM048205.D
Acq On : 23 Oct 2024 15:43
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 18:00:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

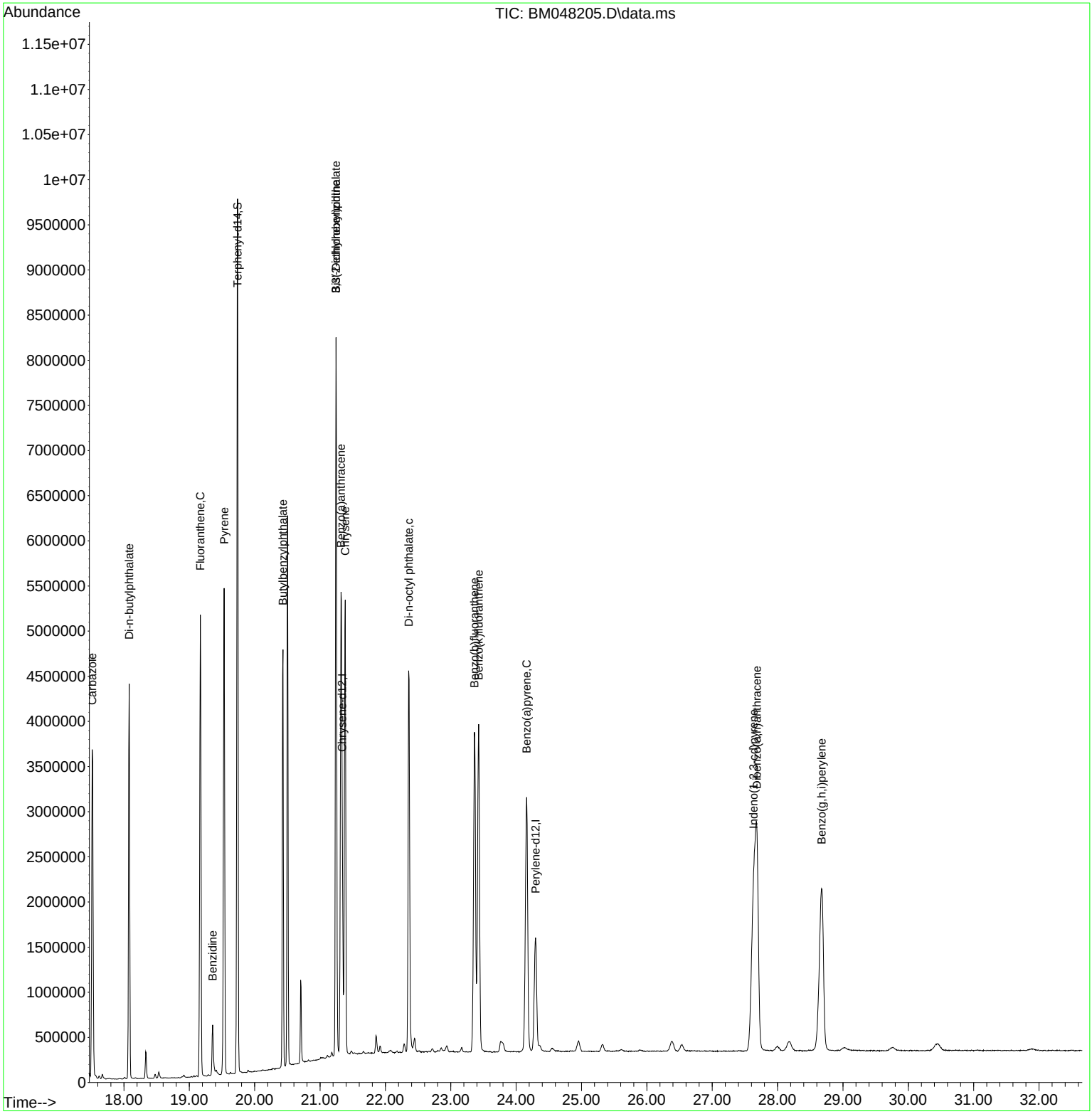
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Operator : RC/JU
Sample : SSTDICC050
Misc :
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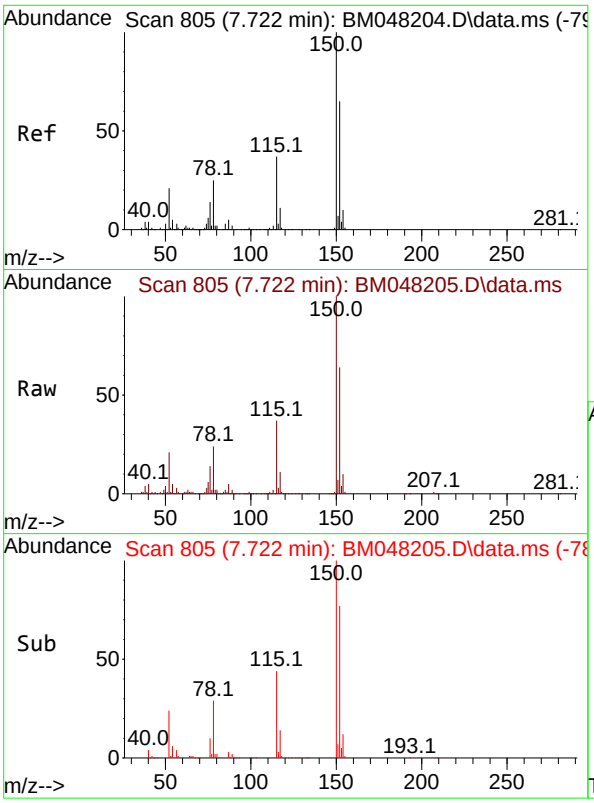
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BNA_M
ClientSampleId :
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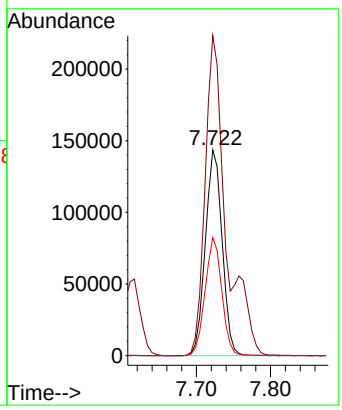




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:152 Resp: 22678(

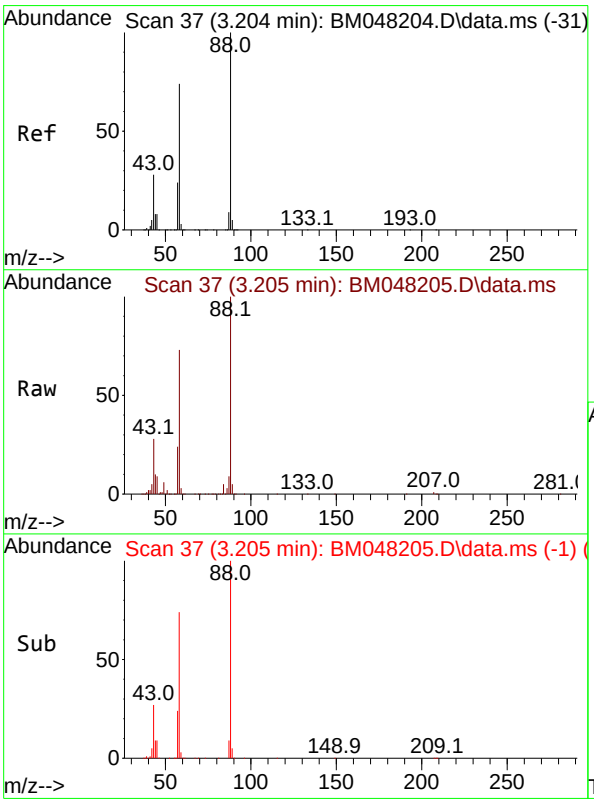
Ion	Ratio	Lower	Upper
152	100		
150	155.5	123.0	184.6
115	57.3	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

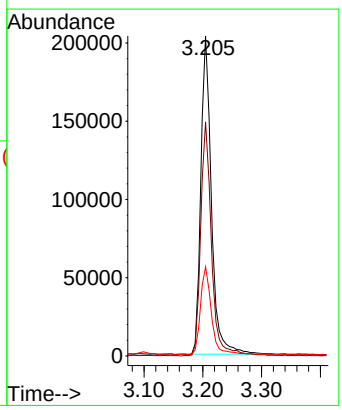
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

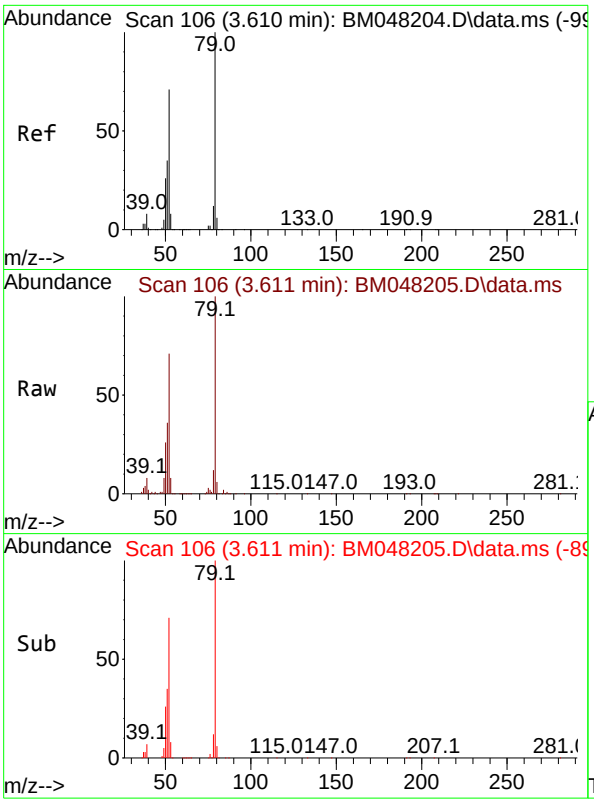


#2
1,4-Dioxane
Concen: 46.264 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 88 Resp: 255490

Ion	Ratio	Lower	Upper
88	100		
58	75.5	59.7	89.5
43	28.9	22.6	33.8





#3
Pyridine
Concen: 48.314 ng m
RT: 3.611 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

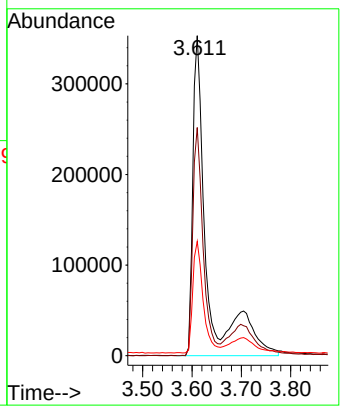
Tgt Ion: 79 Resp: 70759(

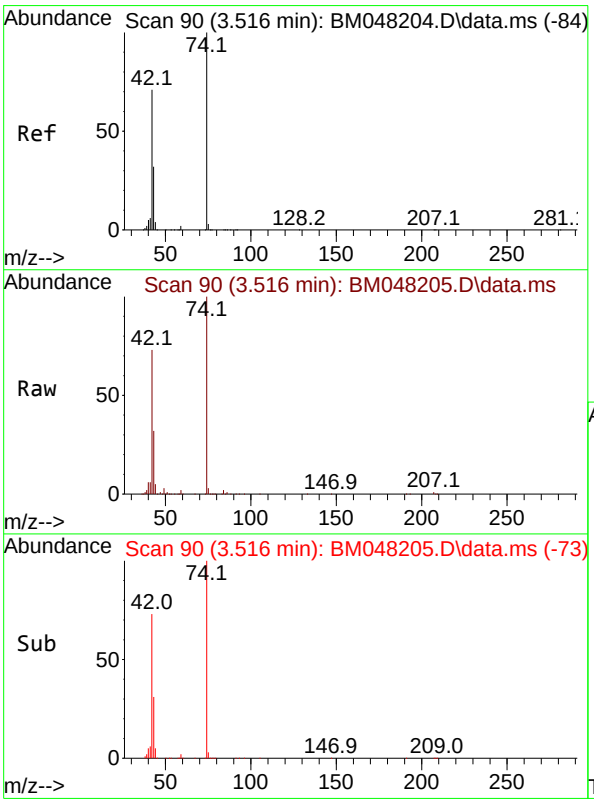
Ion	Ratio	Lower	Upper
79	100		
52	71.3	56.5	84.7
51	35.7	28.5	42.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

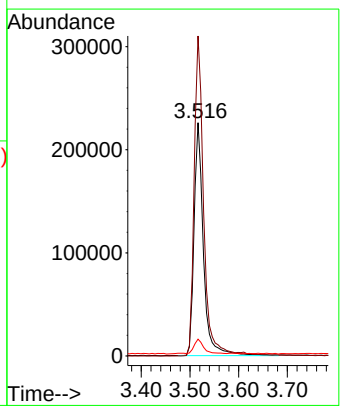


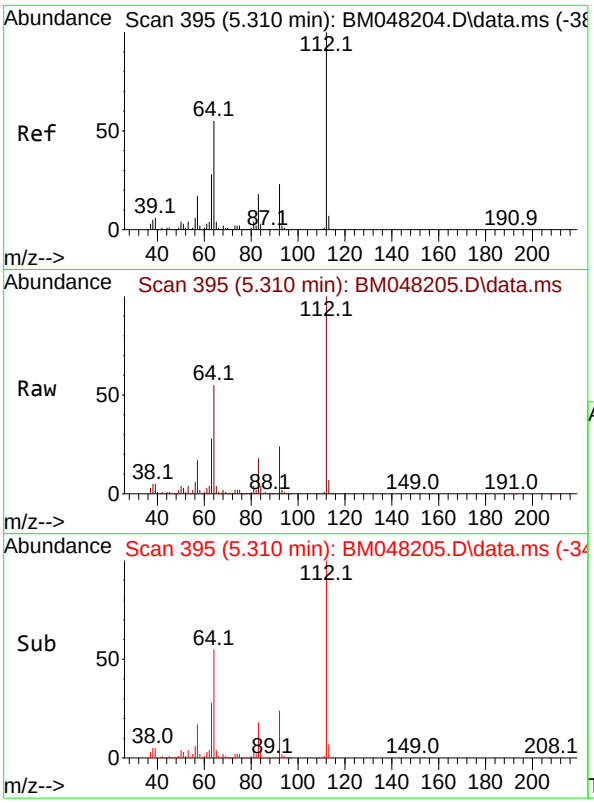


#4
n-Nitrosodimethylamine
Concen: 48.725 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 42 Resp: 303498

Ion	Ratio	Lower	Upper
42	100		
74	137.2	111.8	167.6
44	7.2	6.0	9.0

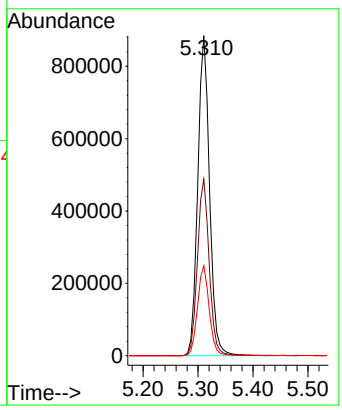




#5
2-Fluorophenol
Concen: 97.690 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:112 Resp: 131795

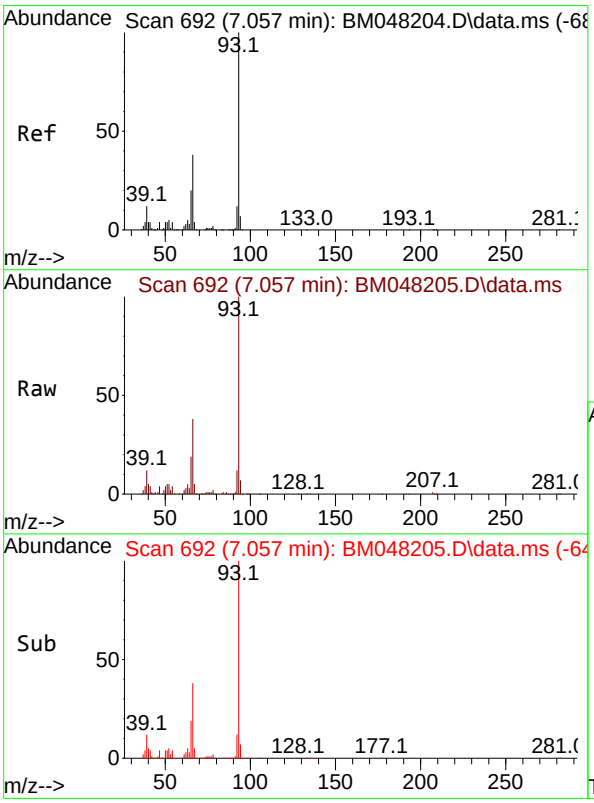
Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.2	66.2
63	28.1	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

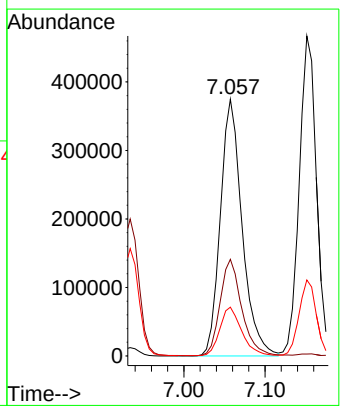
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

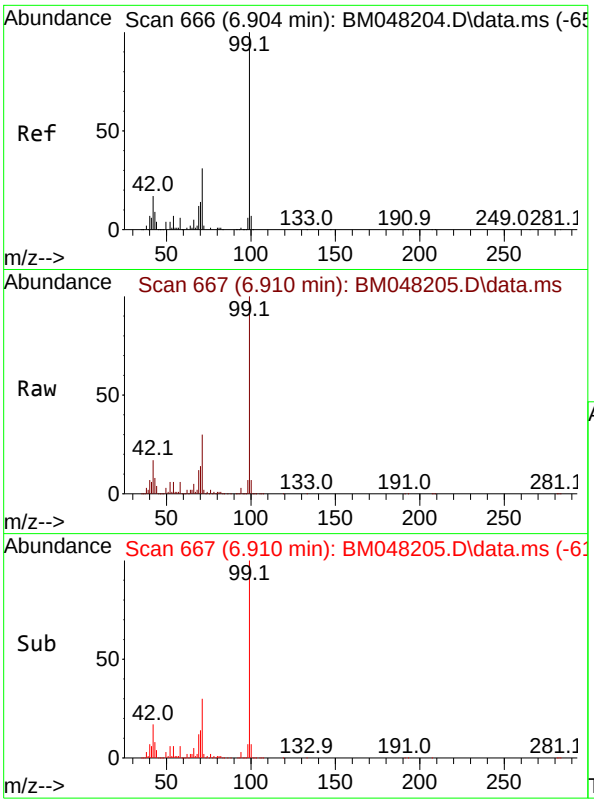


#6
Aniline
Concen: 47.991 ng
RT: 7.057 min Scan# 692
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 93 Resp: 699922

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.0	16.2	24.2

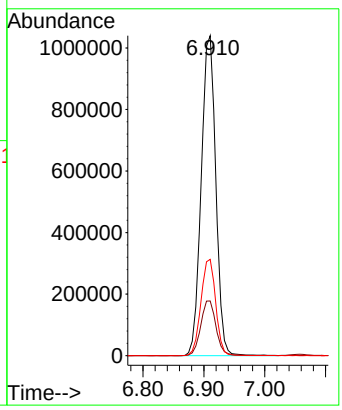




#7
Phenol-d6
Concen: 98.305 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 99 Resp: 172721

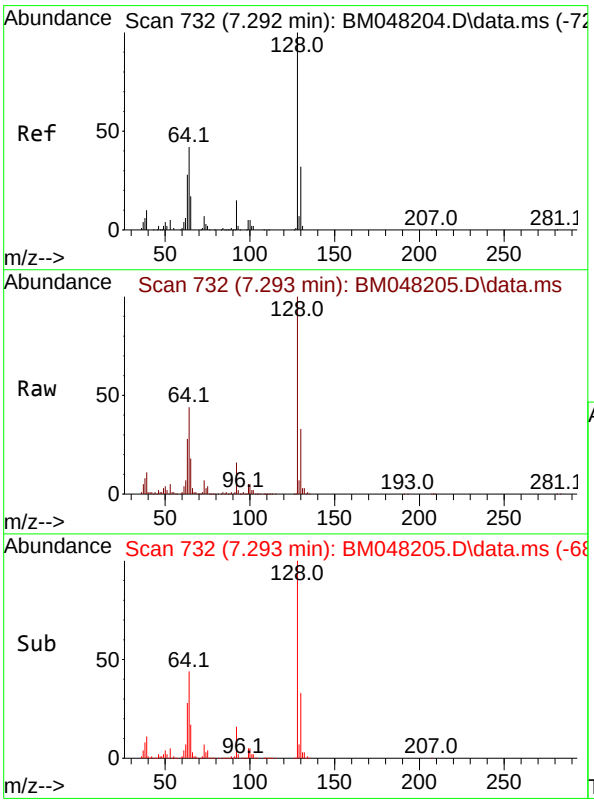
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	30.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

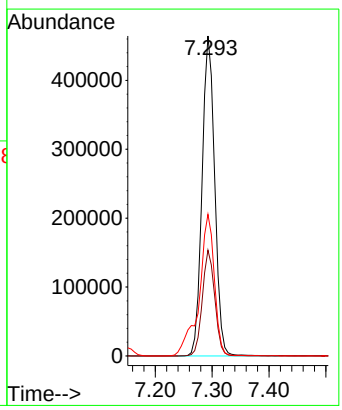
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

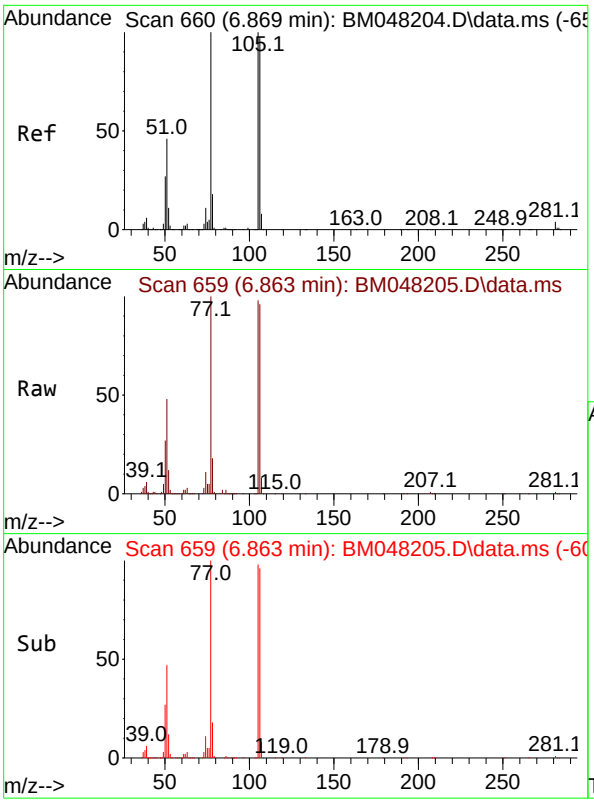


#8
2-Chlorophenol
Concen: 48.893 ng
RT: 7.293 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:128 Resp: 716637

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.1	52.1
64	44.2	23.8	63.8

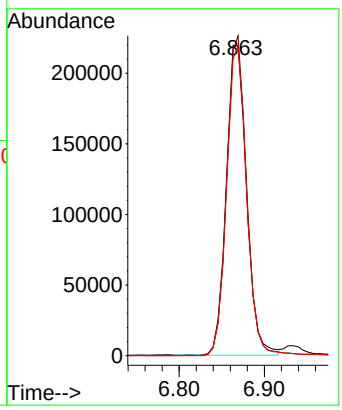




#9
Benzaldehyde
Concen: 42.145 ng
RT: 6.863 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 77 Resp: 36440

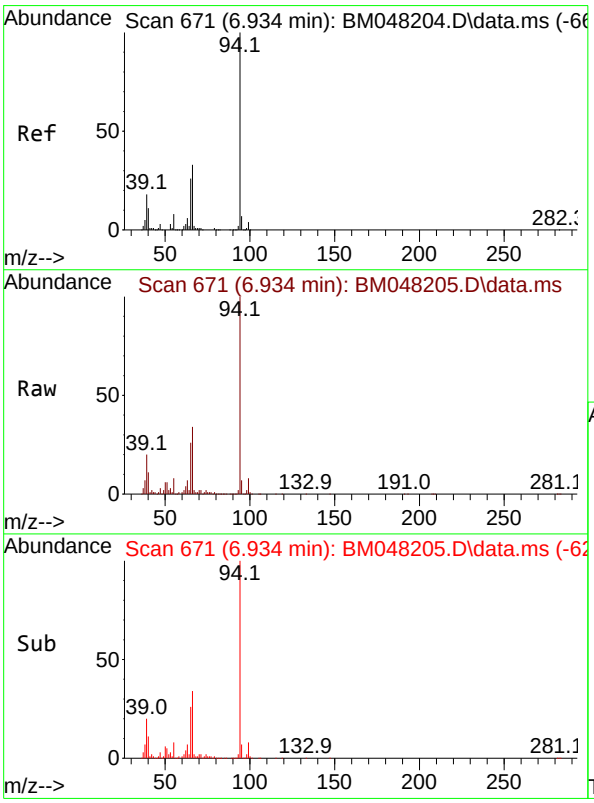
Ion	Ratio	Lower	Upper
77	100		
105	98.3	79.6	119.6
106	95.5	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

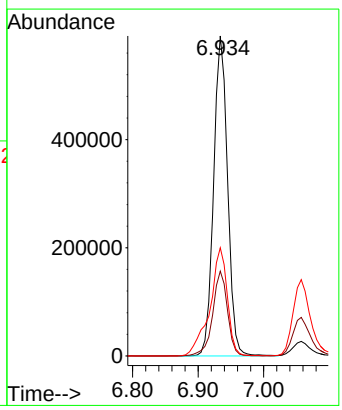
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

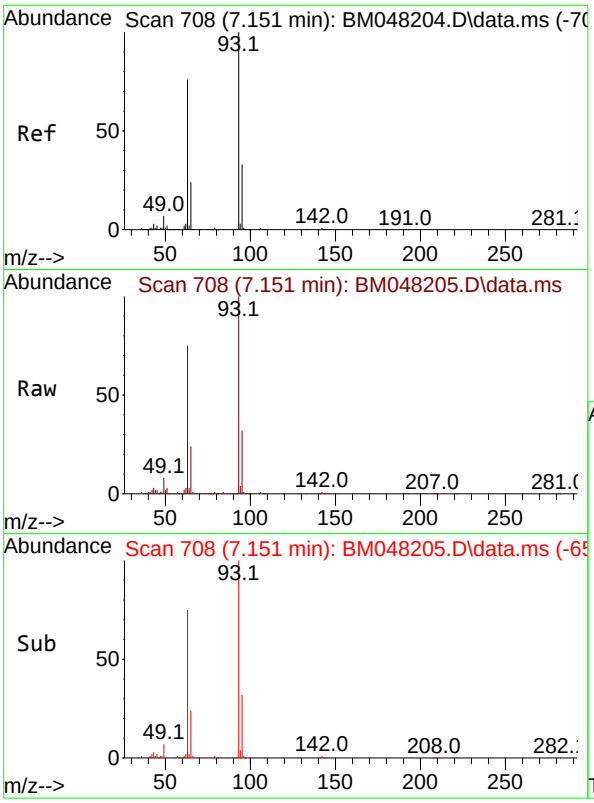


#10
Phenol
Concen: 49.477 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 94 Resp: 874602

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	33.8	13.6	53.6

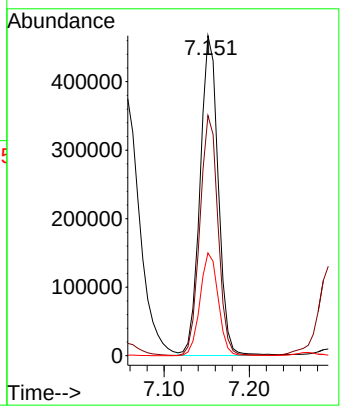




#11
bis(2-Chloroethyl)ether
Concen: 49.159 ng
RT: 7.151 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 93 Resp: 69215

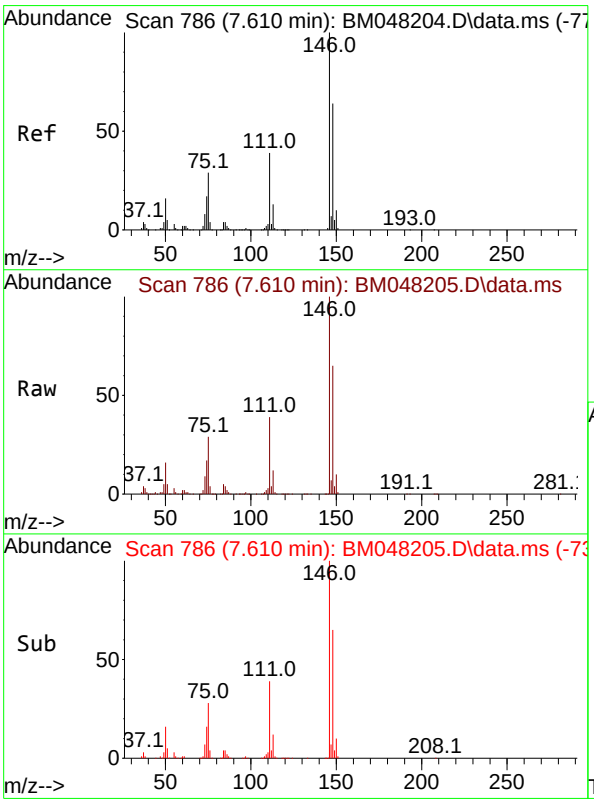
Ion	Ratio	Lower	Upper
93	100		
63	75.0	55.3	95.3
95	32.1	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

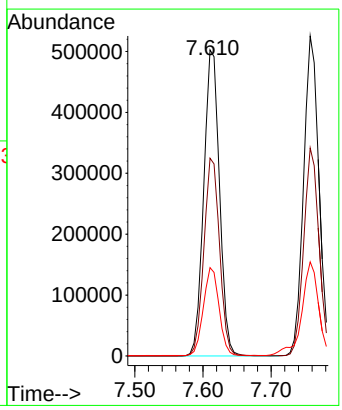
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

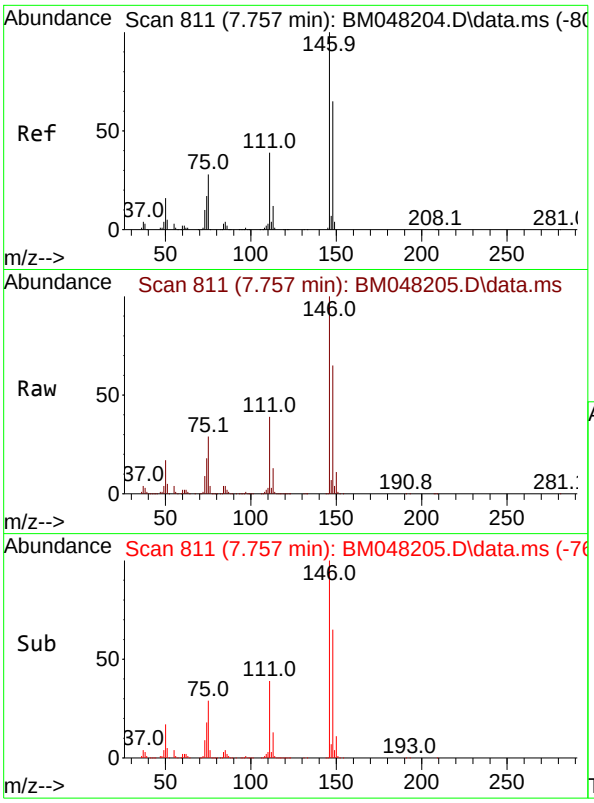


#12
1,3-Dichlorobenzene
Concen: 47.910 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:146 Resp: 809606

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.6
75	28.8	22.9	34.3

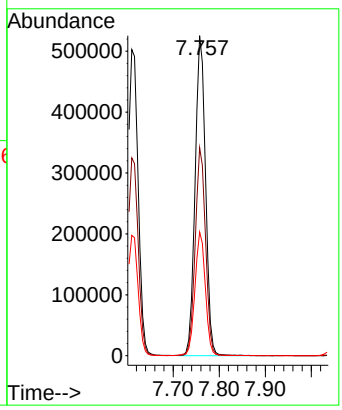




#13
1,4-Dichlorobenzene
Concen: 48.025 ng
RT: 7.757 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:146 Resp: 82446

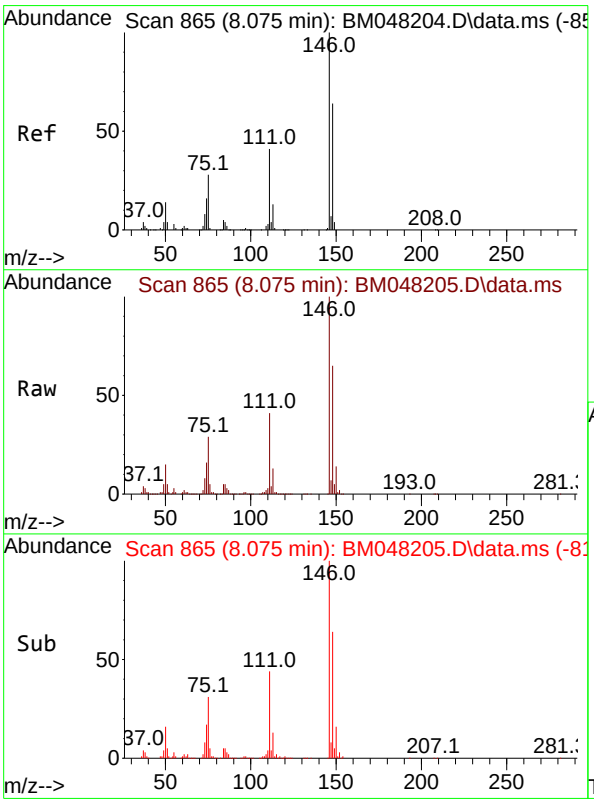
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.7	77.5
111	38.7	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

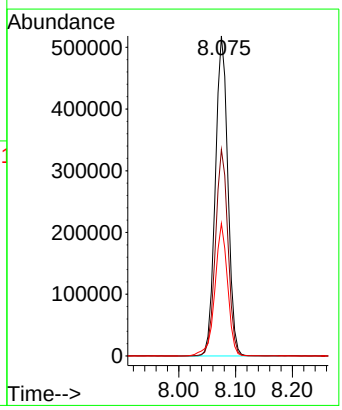
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

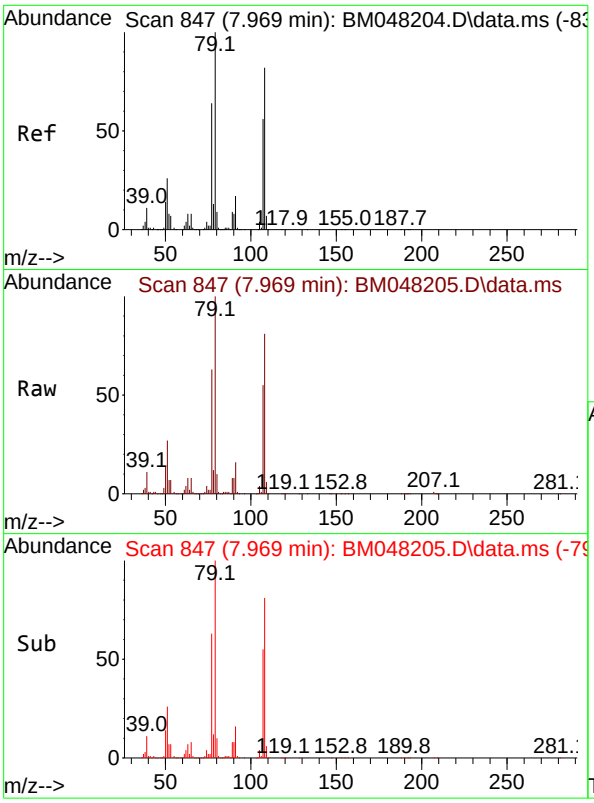


#14
1,2-Dichlorobenzene
Concen: 47.840 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:146 Resp: 793744

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
111	41.4	32.7	49.1





#15
Benzyl Alcohol
Concen: 51.096 ng
RT: 7.969 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

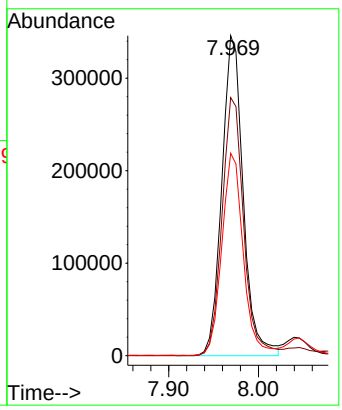
Tgt Ion: 79 Resp: 57273

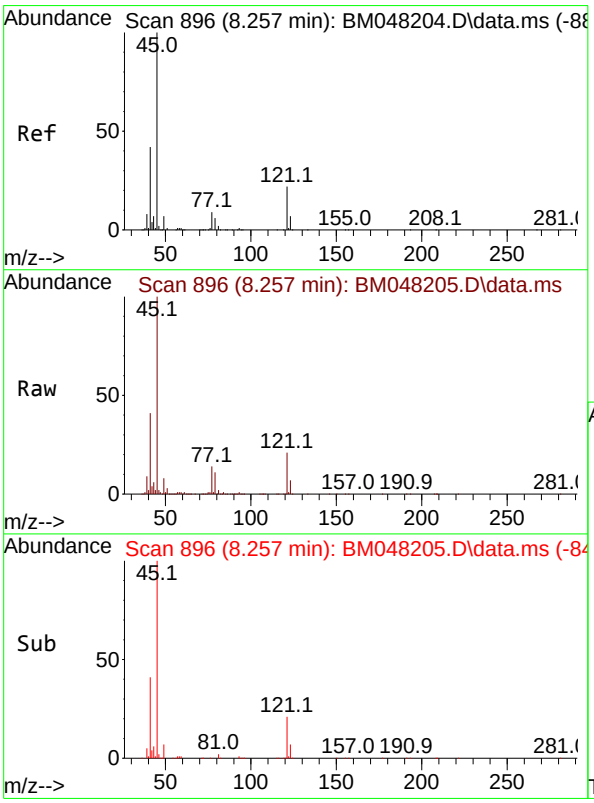
Ion	Ratio	Lower	Upper
79	100		
108	80.6	65.2	97.8
77	63.3	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

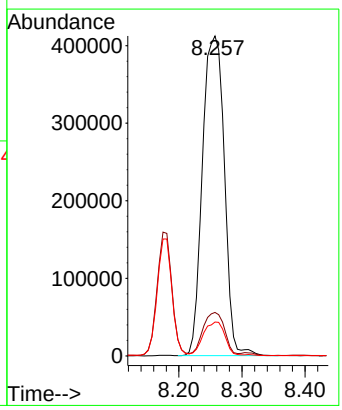


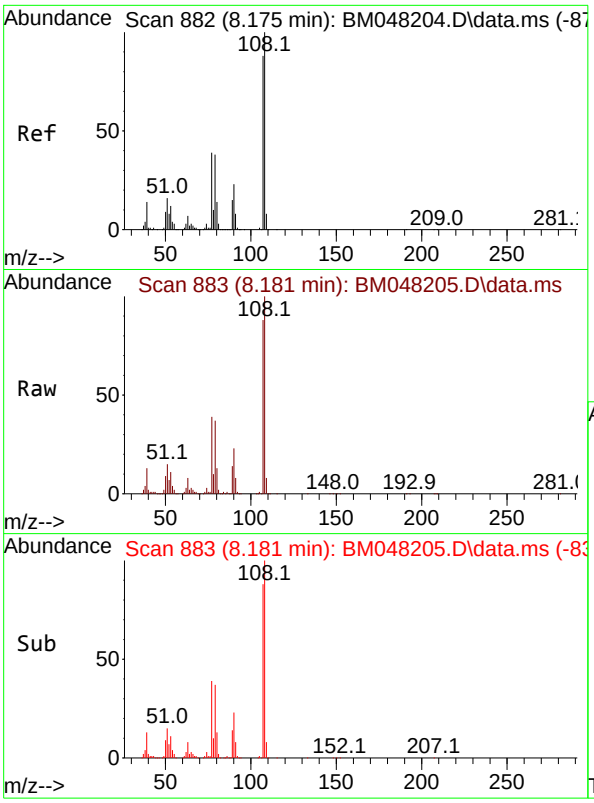


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.195 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 45 Resp: 992544

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.2
79	10.6	0.0	30.7

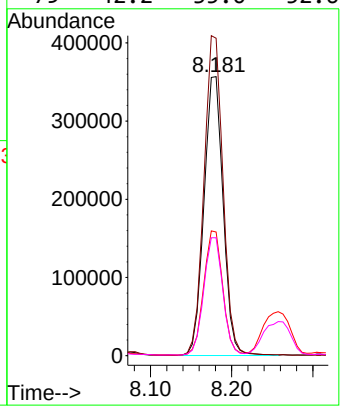




#17
2-Methylphenol
Concen: 49.728 ng
RT: 8.181 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:107 Resp: 58411

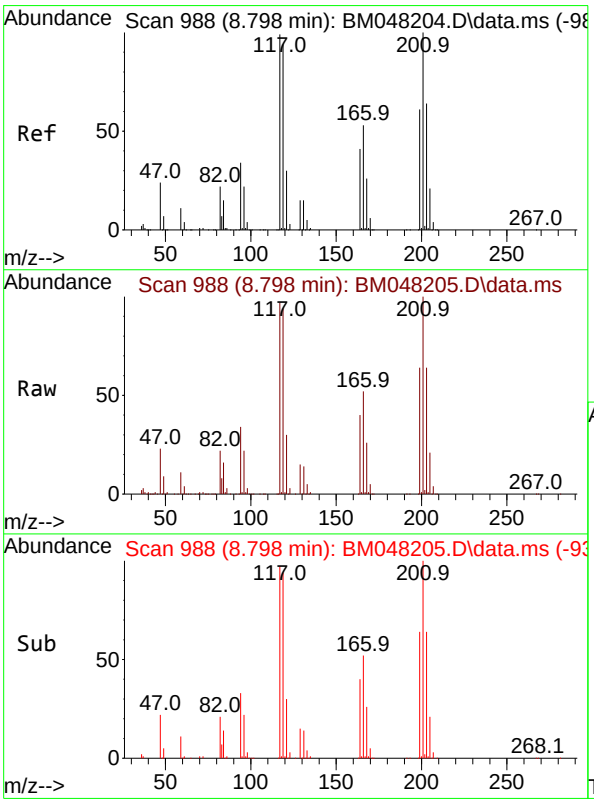
Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.3	136.9
77	44.3	36.2	54.2
79	42.2	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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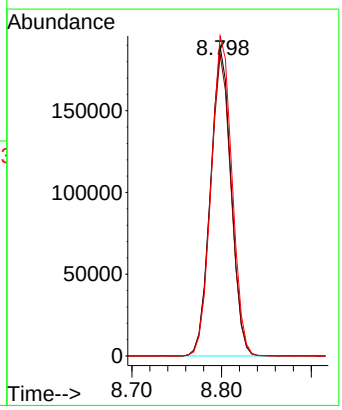
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

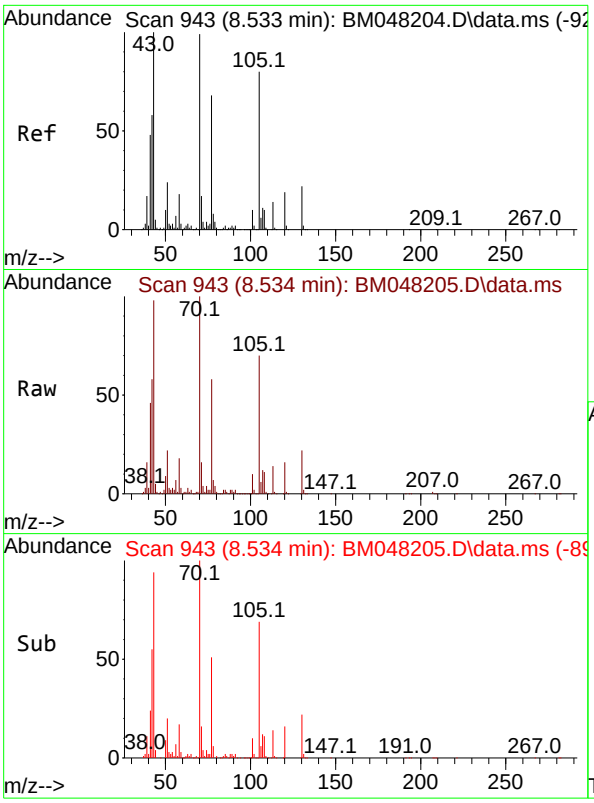


#18
Hexachloroethane
Concen: 47.975 ng
RT: 8.798 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:117 Resp: 301867

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.5	114.7
201	103.3	80.9	121.3

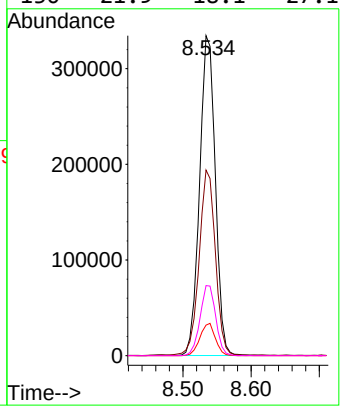




#19
n-Nitroso-di-n-propylamine
Concen: 48.225 ng
RT: 8.534 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 70 Resp: 53604

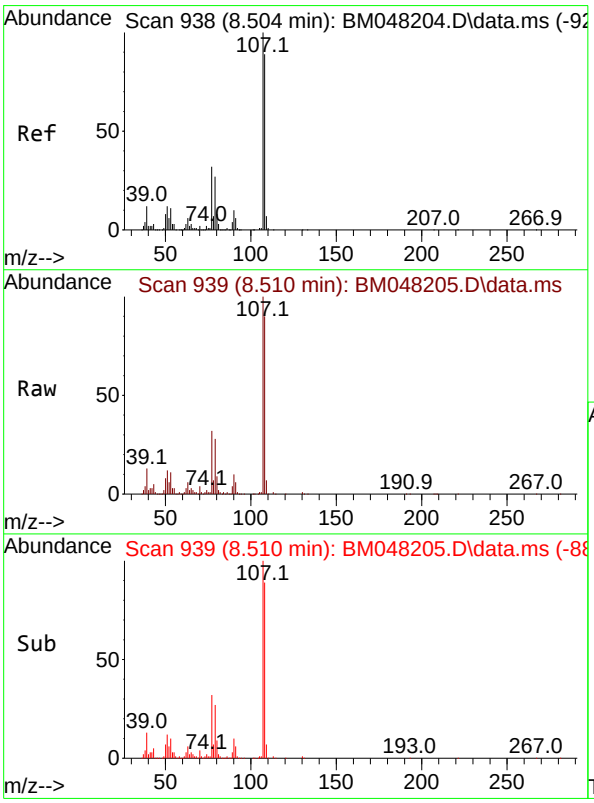
Ion	Ratio	Lower	Upper
70	100		
42	58.0	47.0	70.6
101	9.5	7.8	11.6
130	21.9	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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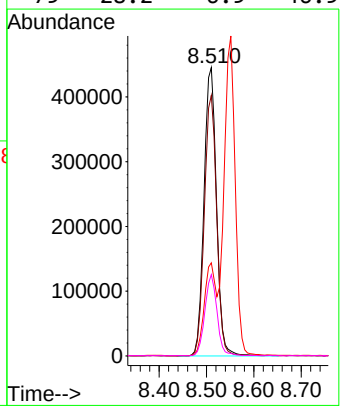
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

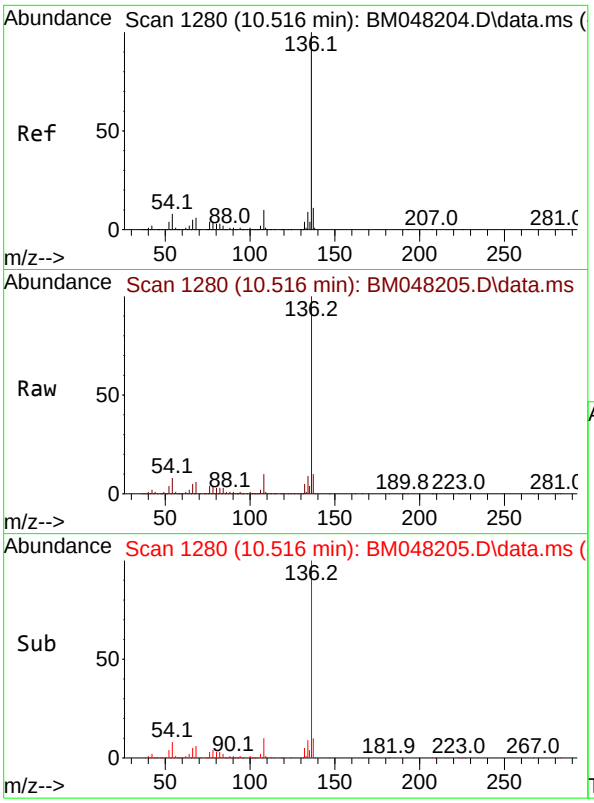


#20
3+4-Methylphenols
Concen: 50.139 ng
RT: 8.510 min Scan# 939
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:107 Resp: 815862

Ion	Ratio	Lower	Upper
107	100		
108	90.4	69.0	109.0
77	32.3	12.3	52.3
79	28.2	6.9	46.9

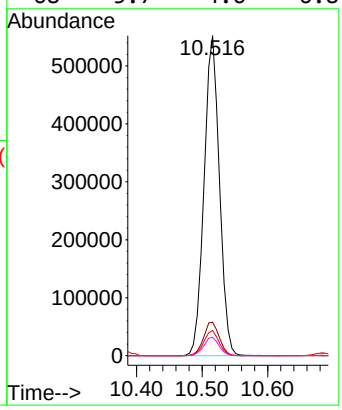




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:136 Resp: 90014

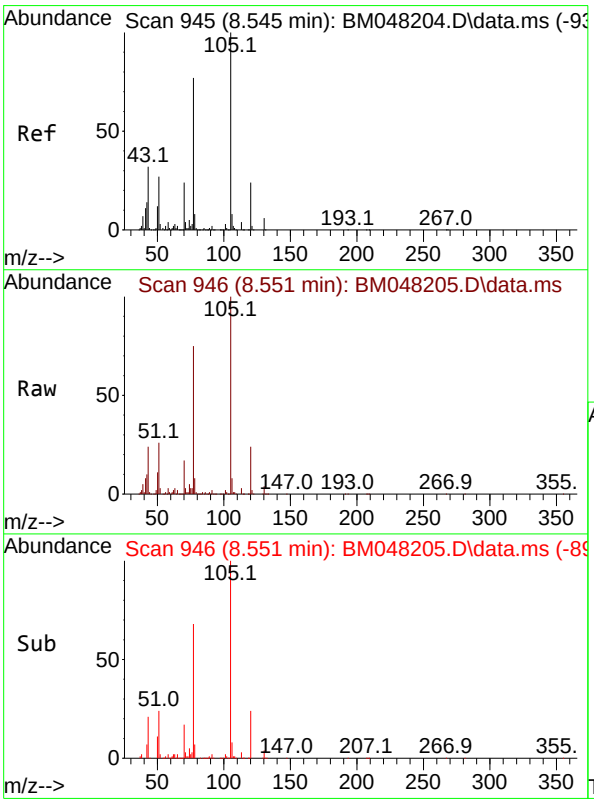
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.9	6.5	9.7
68	5.7	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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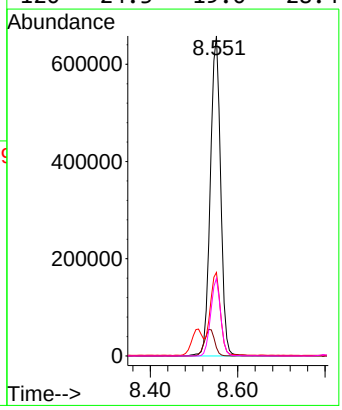
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

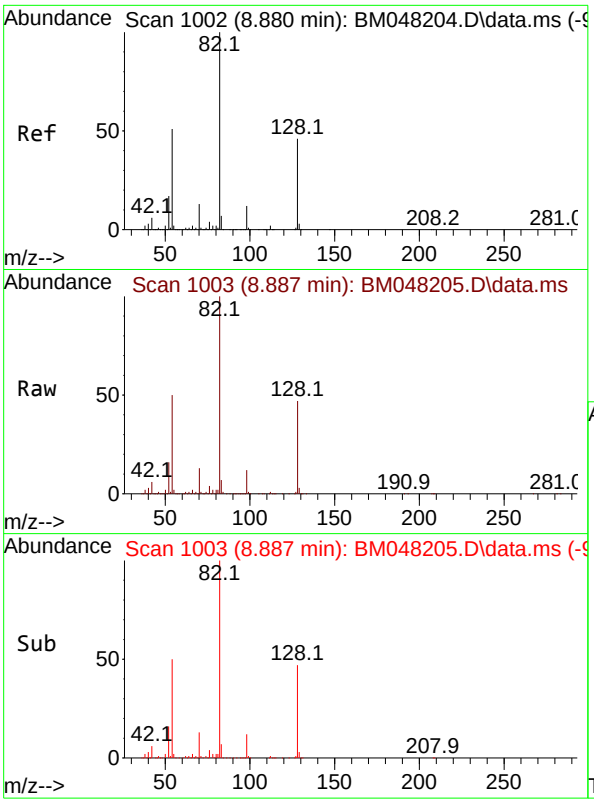


#22
Acetophenone
Concen: 49.176 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:105 Resp: 1080318

Ion	Ratio	Lower	Upper
105	100		
71	2.6	3.4	5.0#
51	26.1	21.7	32.5
120	24.3	19.0	28.4

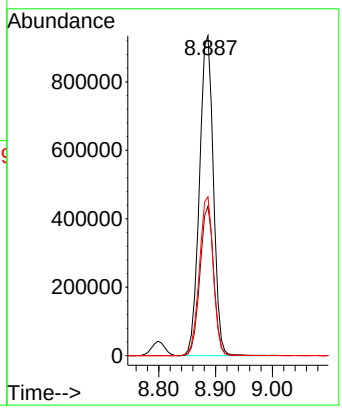




#23
Nitrobenzene-d5
Concen: 99.760 ng
RT: 8.887 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 82 Resp: 159039

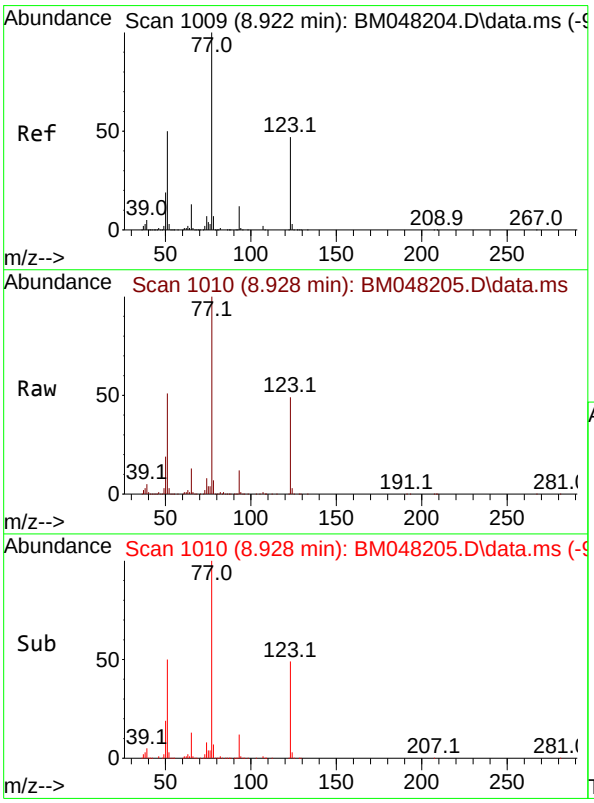
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.6	54.8
54	49.6	41.0	61.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

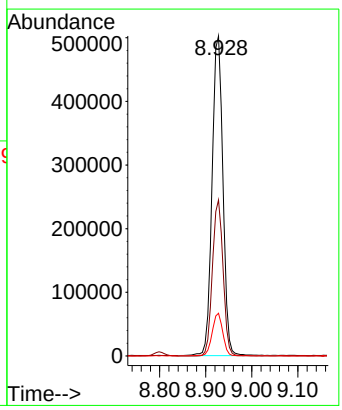
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

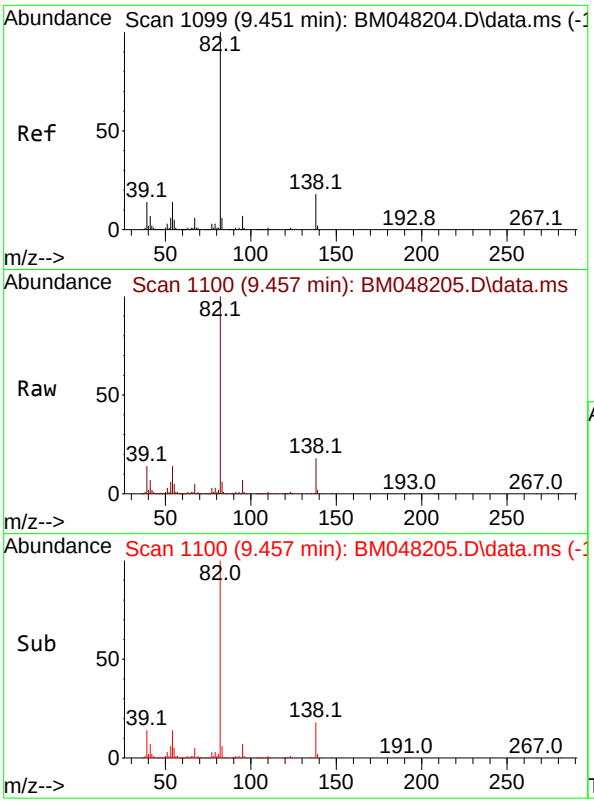


#24
Nitrobenzene
Concen: 49.748 ng
RT: 8.928 min Scan# 1010
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 77 Resp: 821736

Ion	Ratio	Lower	Upper
77	100		
123	48.7	37.8	56.6
65	13.3	10.4	15.6

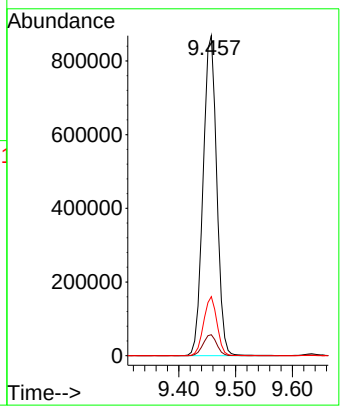




#25
Isophorone
Concen: 49.450 ng
RT: 9.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 82 Resp: 144502

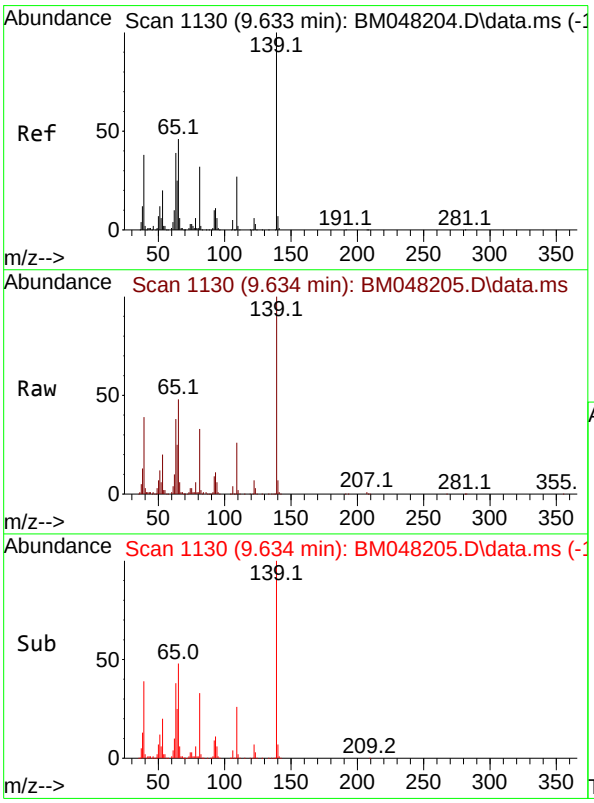
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.4	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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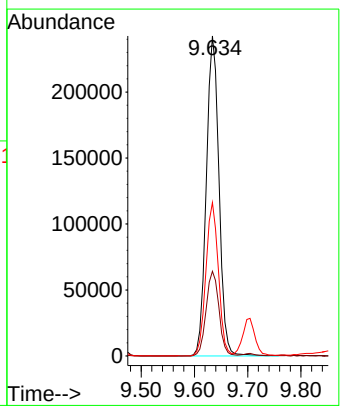
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

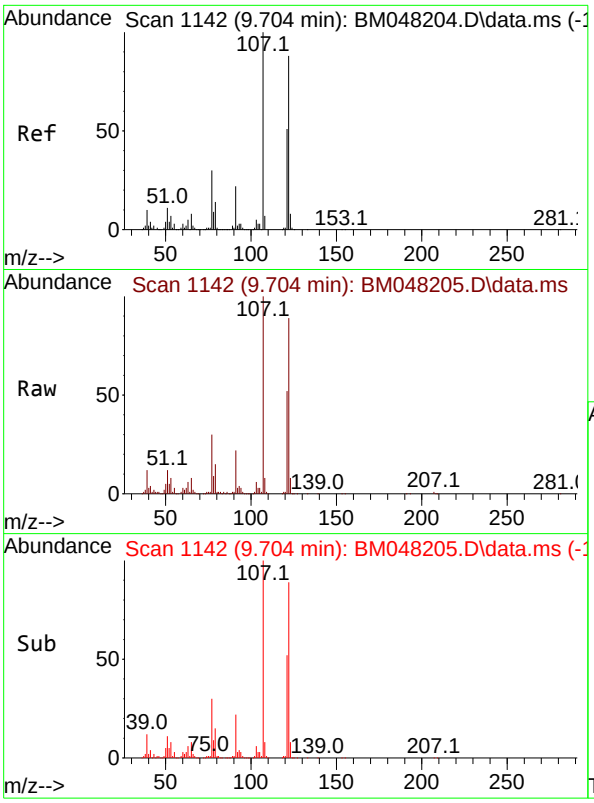


#26
2-Nitrophenol
Concen: 52.487 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:139 Resp: 400305

Ion	Ratio	Lower	Upper
139	100		
109	26.5	21.2	31.8
65	47.9	36.8	55.2





#27
2,4-Dimethylphenol
Concen: 50.341 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

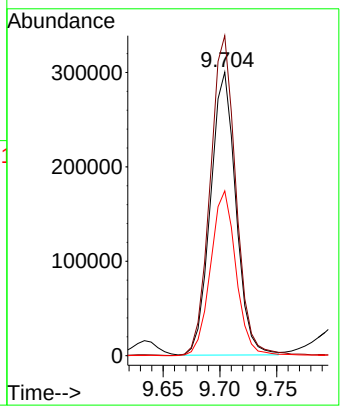
Tgt Ion:122 Resp: 46580

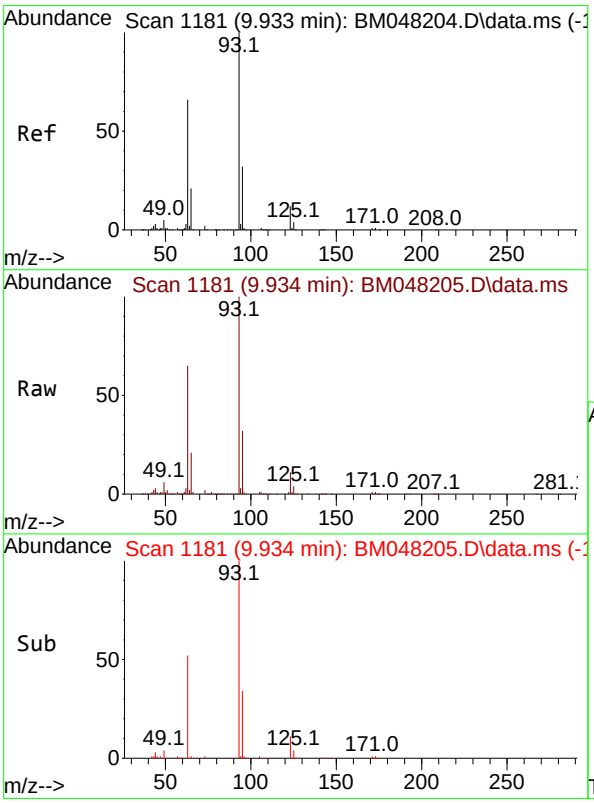
Ion	Ratio	Lower	Upper
122	100		
107	112.9	91.0	136.6
121	58.1	46.1	69.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

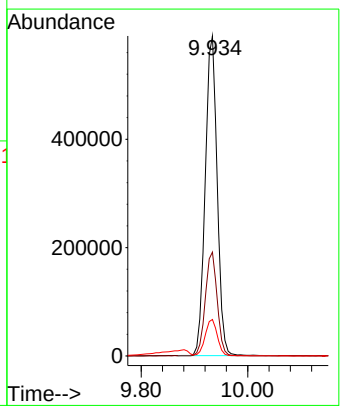


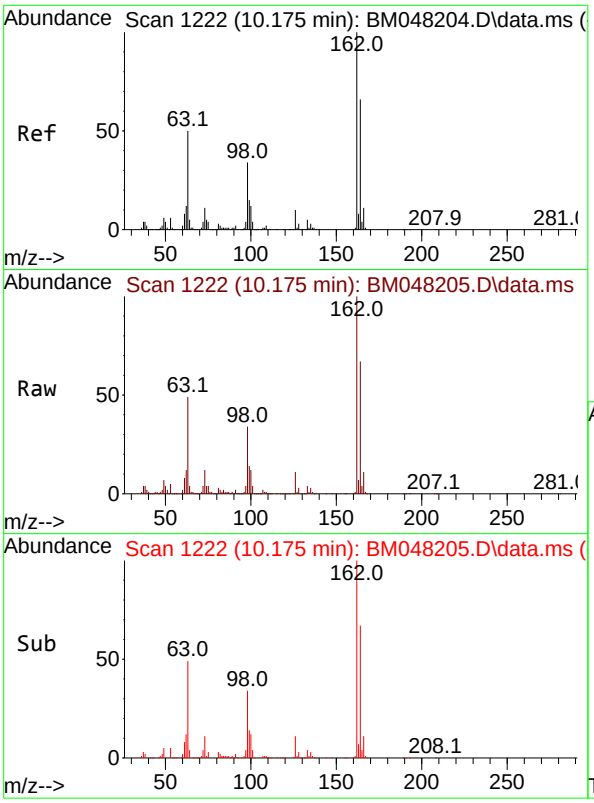


#28
bis(2-Chloroethoxy)methane
Concen: 49.561 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 93 Resp: 916465

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.3	37.9
123	11.4	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 50.877 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

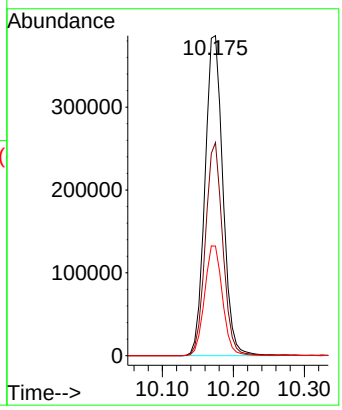
Tgt Ion:162 Resp: 67722

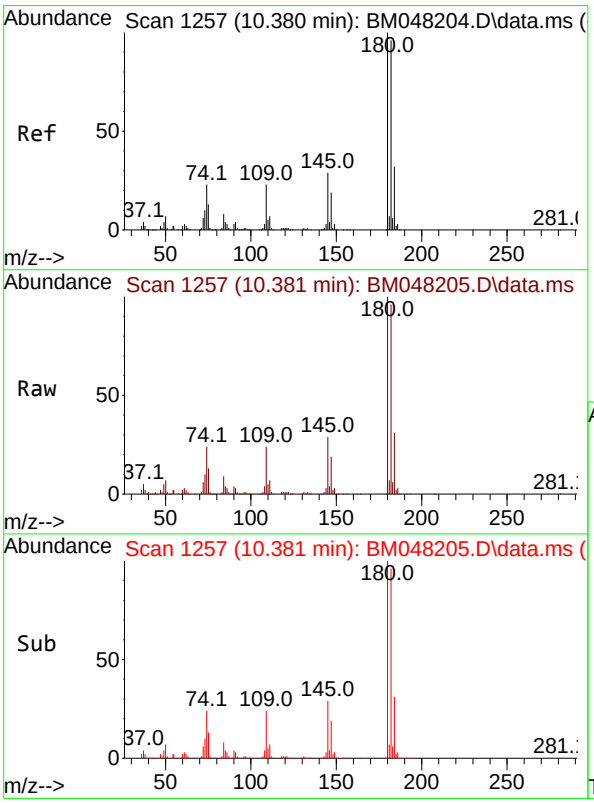
Ion	Ratio	Lower	Upper
162	100		
164	66.6	46.0	86.0
98	34.2	14.4	54.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

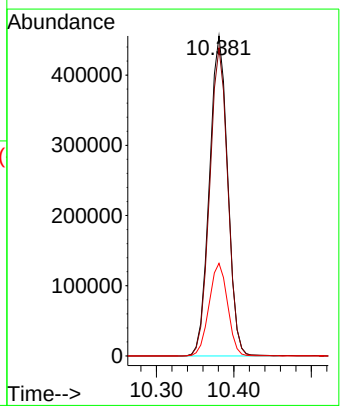


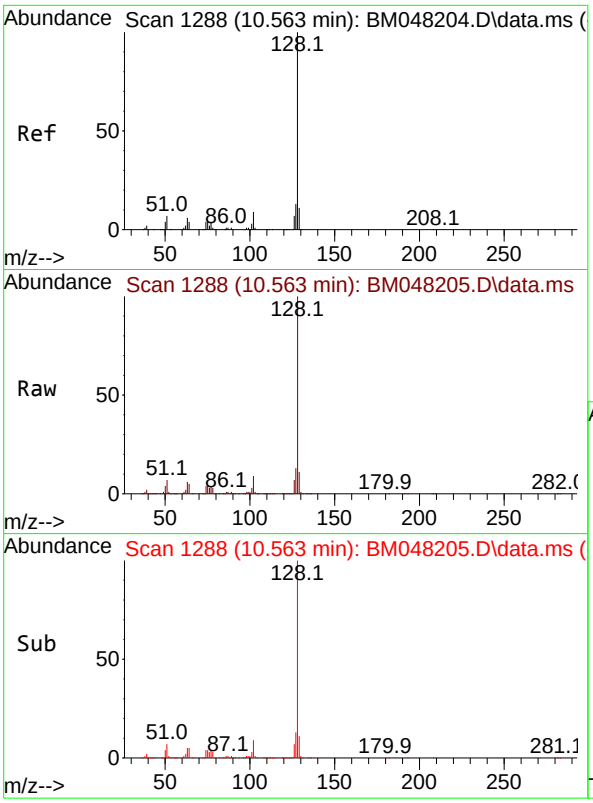


#30
1,2,4-Trichlorobenzene
Concen: 48.985 ng
RT: 10.381 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:180 Resp: 746776

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	115.0
145	28.9	23.4	35.2

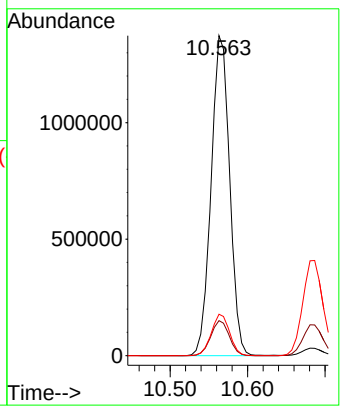




#31
Naphthalene
Concen: 48.510 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:128 Resp: 227744

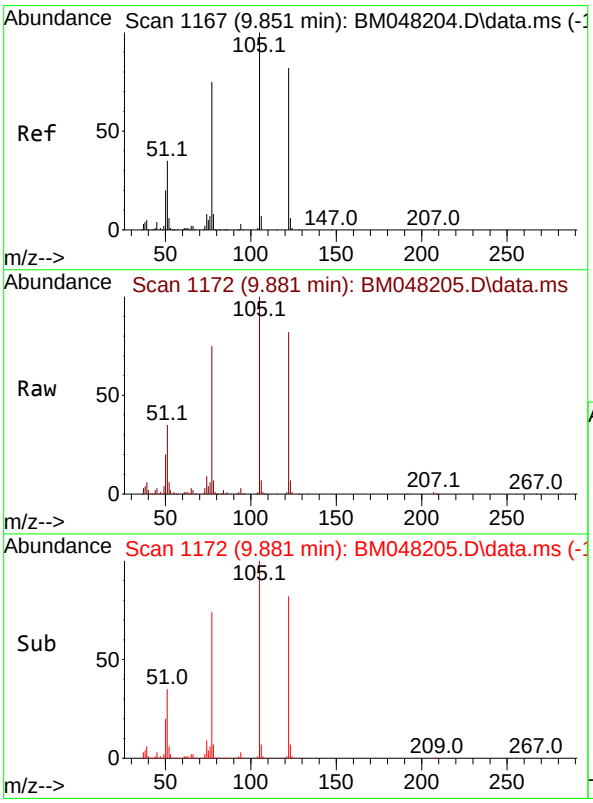
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

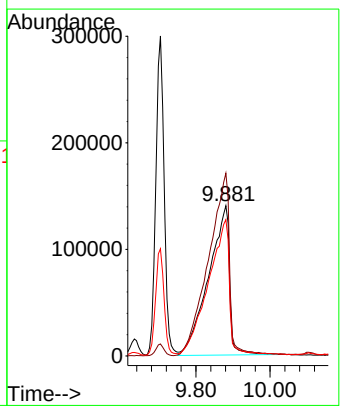
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

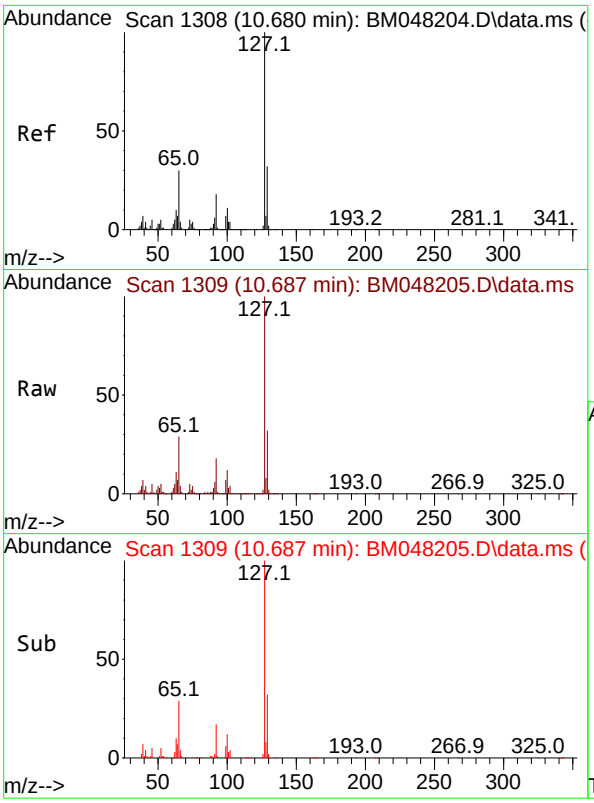


#32
Benzoic acid
Concen: 53.102 ng
RT: 9.881 min Scan# 1172
Delta R.T. 0.030 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:122 Resp: 549306

Ion	Ratio	Lower	Upper
122	100		
105	121.6	99.3	139.3
77	90.7	70.4	110.4

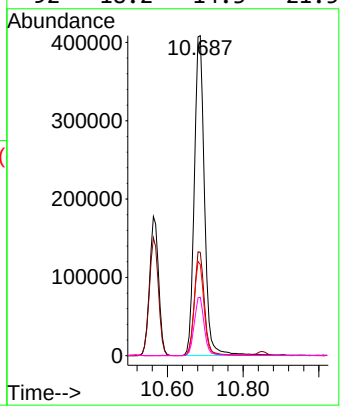




#33
4-Chloroaniline
Concen: 50.524 ng
RT: 10.687 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:127 Resp: 76929

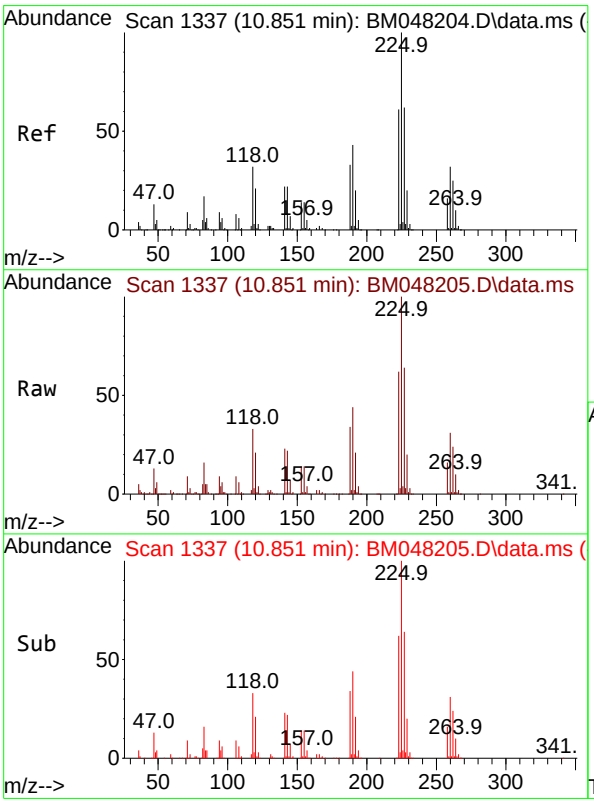
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	28.5	23.7	35.5
92	18.2	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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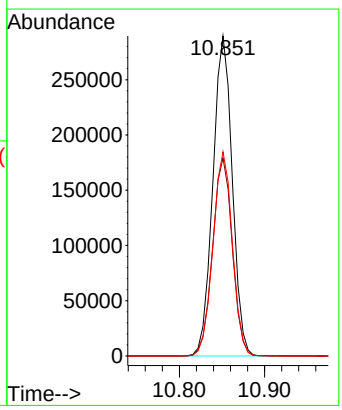
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

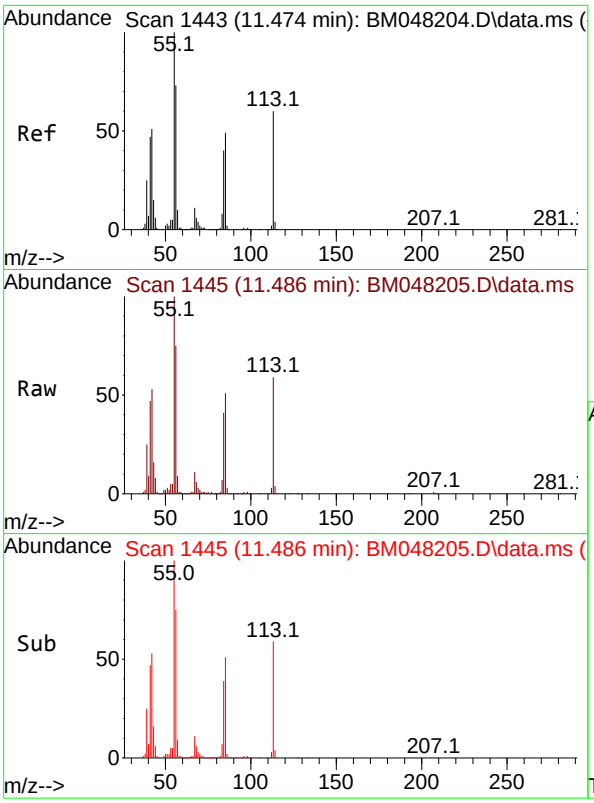


#34
Hexachlorobutadiene
Concen: 48.397 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:225 Resp: 457271

Ion	Ratio	Lower	Upper
225	100		
223	61.9	48.6	73.0
227	63.8	49.6	74.4





#35
Caprolactam
Concen: 50.495 ng
RT: 11.486 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

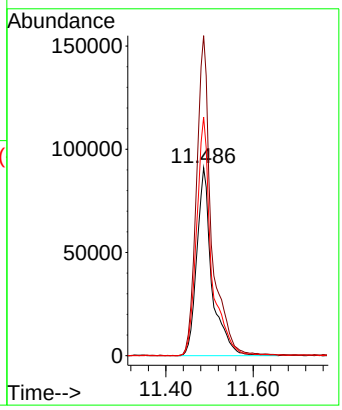
Tgt Ion:113 Resp: 21799

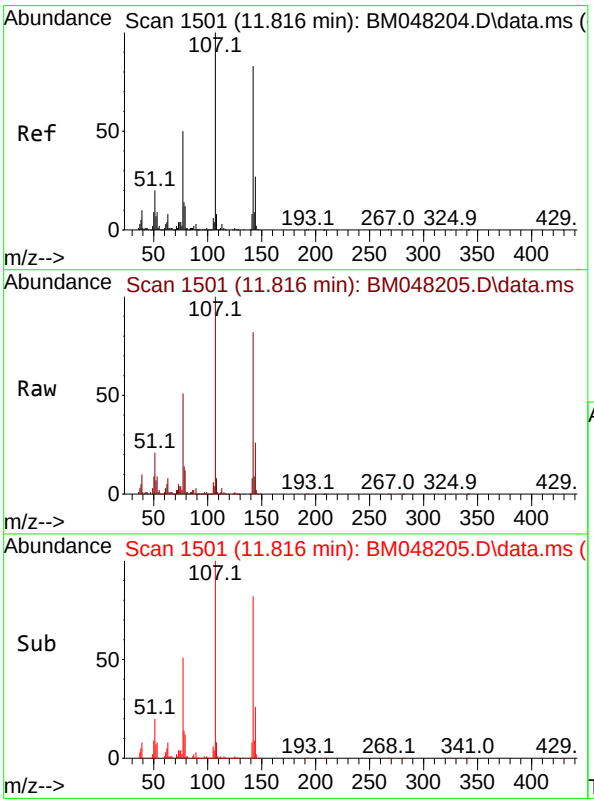
Ion	Ratio	Lower	Upper
113	100		
55	170.3	146.1	186.1
56	127.0	101.9	141.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

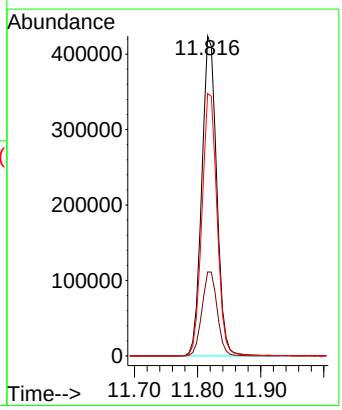


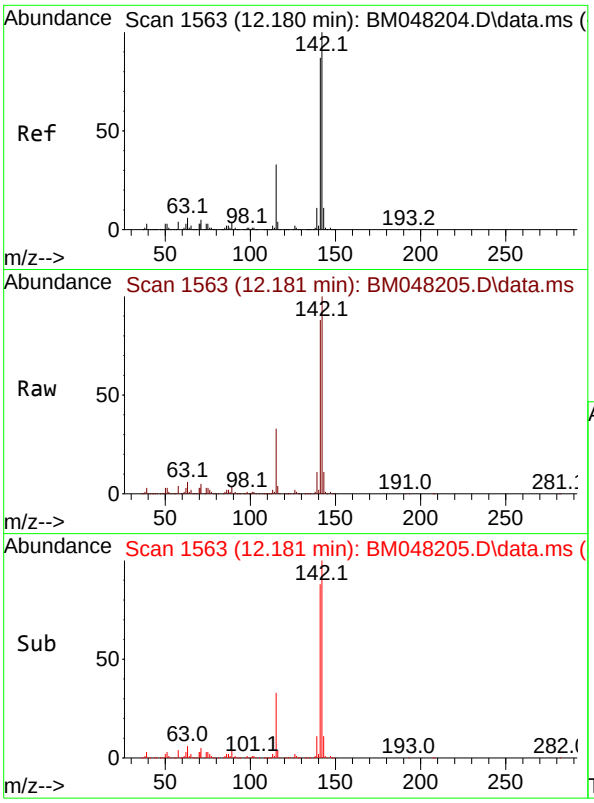


#36
4-Chloro-3-methylphenol
Concen: 50.016 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:107 Resp: 694996

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.5	32.3
142	82.0	66.8	100.2

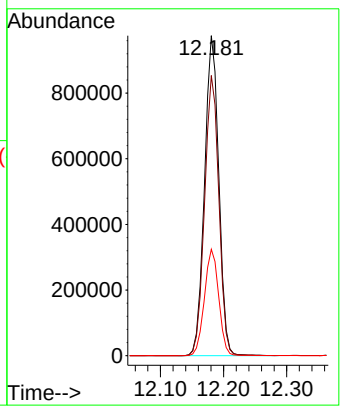




#37
2-Methylnaphthalene
Concen: 48.628 ng
RT: 12.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:142 Resp: 152534

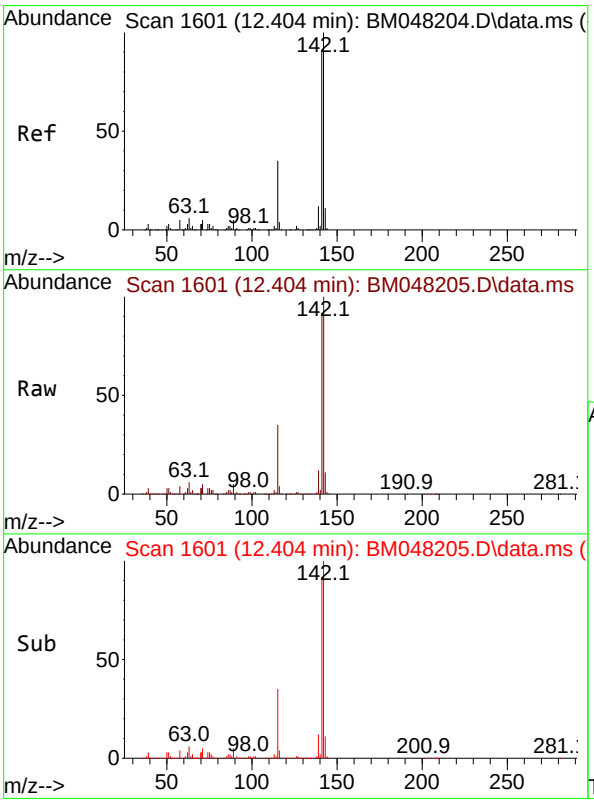
Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.8	104.6
115	33.3	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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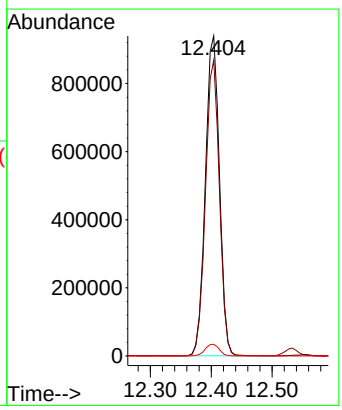
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

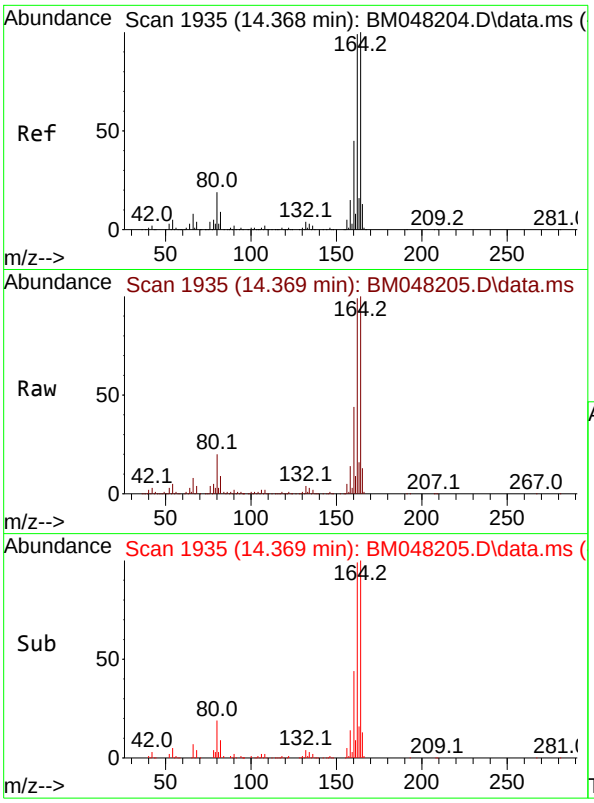


#38
1-Methylnaphthalene
Concen: 48.435 ng
RT: 12.404 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:142 Resp: 1506538

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.7	109.1
116	3.6	2.9	4.3

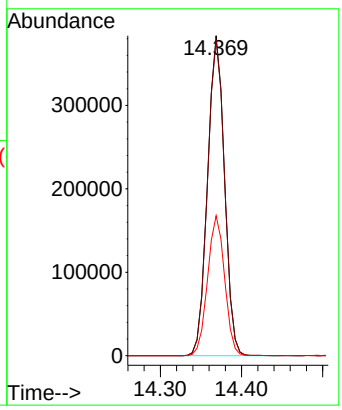




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:164 Resp: 55549

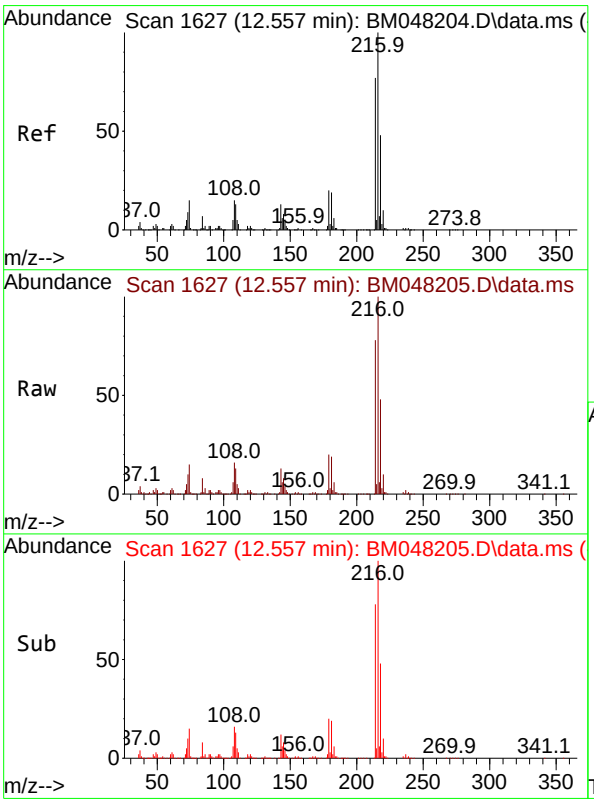
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.1	118.7
160	43.8	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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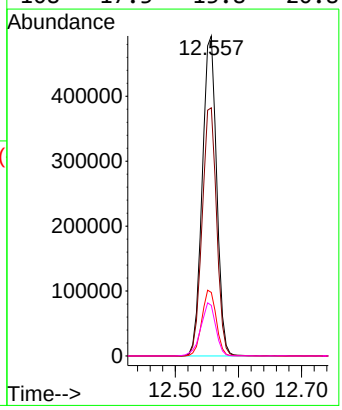
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

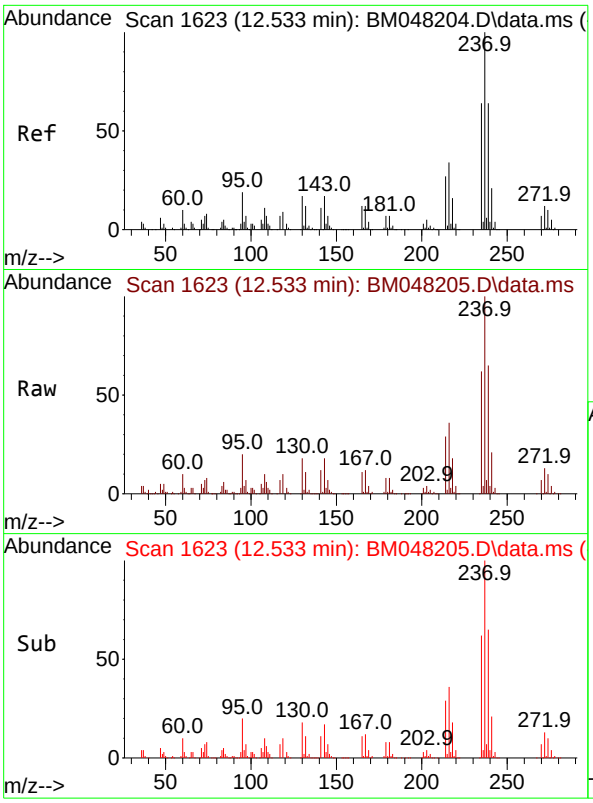


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.218 ng
RT: 12.557 min Scan# 1627
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:216 Resp: 781439

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.2	93.2
179	20.5	16.0	24.0
108	17.3	13.8	20.8





#41
Hexachlorocyclopentadiene
Concen: 51.798 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

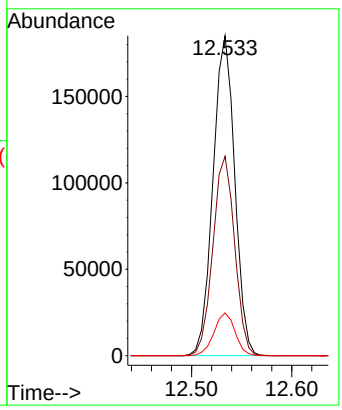
Tgt Ion:237 Resp: 27830

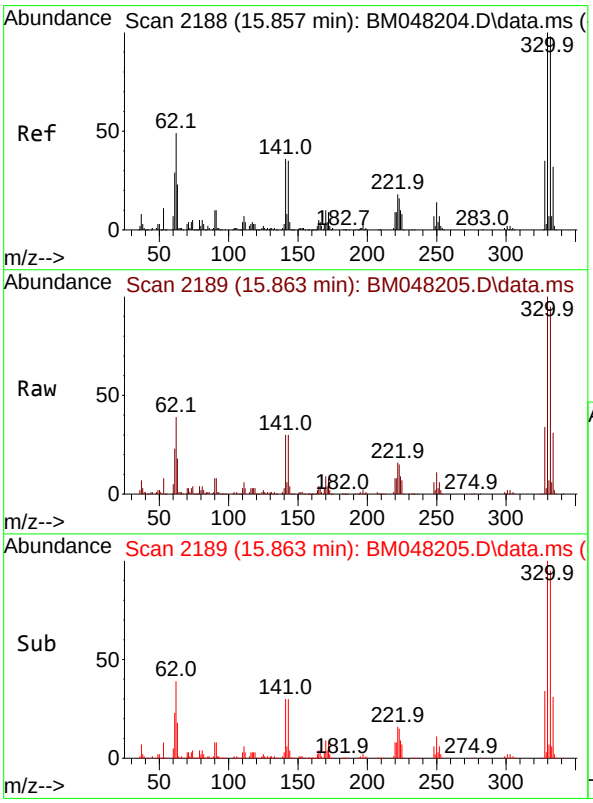
Ion	Ratio	Lower	Upper
237	100		
235	62.3	44.2	84.2
272	13.3	0.0	32.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

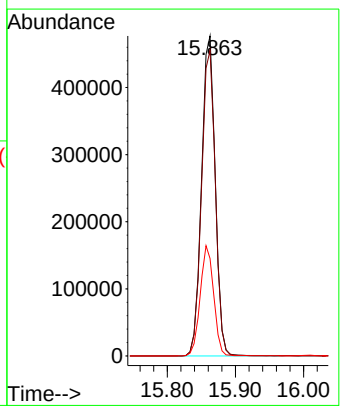


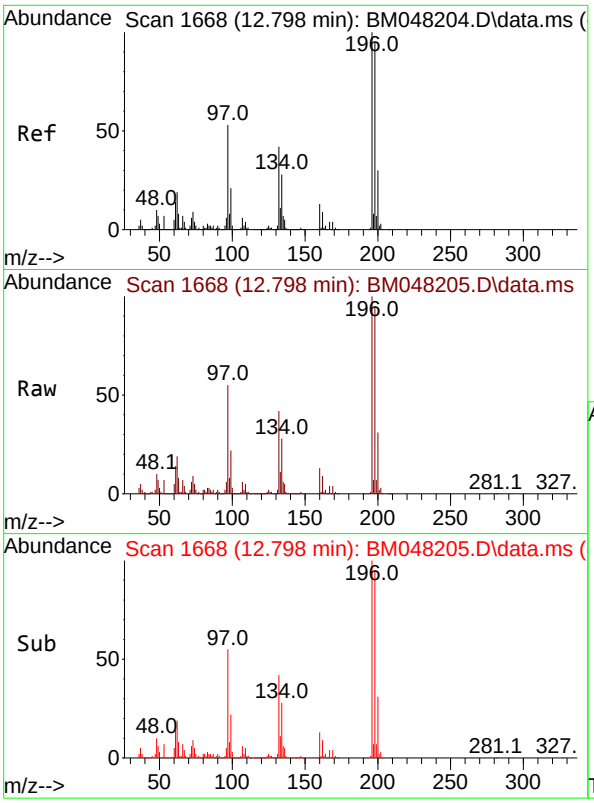


#42
2,4,6-Tribromophenol
Concen: 97.973 ng
RT: 15.863 min Scan# 2189
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:330 Resp: 666150

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.5	116.3
141	34.0	27.5	41.3

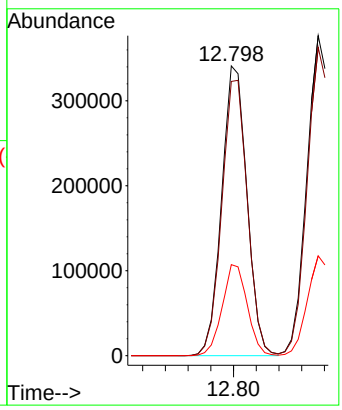




#43
2,4,6-Trichlorophenol
Concen: 50.175 ng
RT: 12.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:196 Resp: 52867

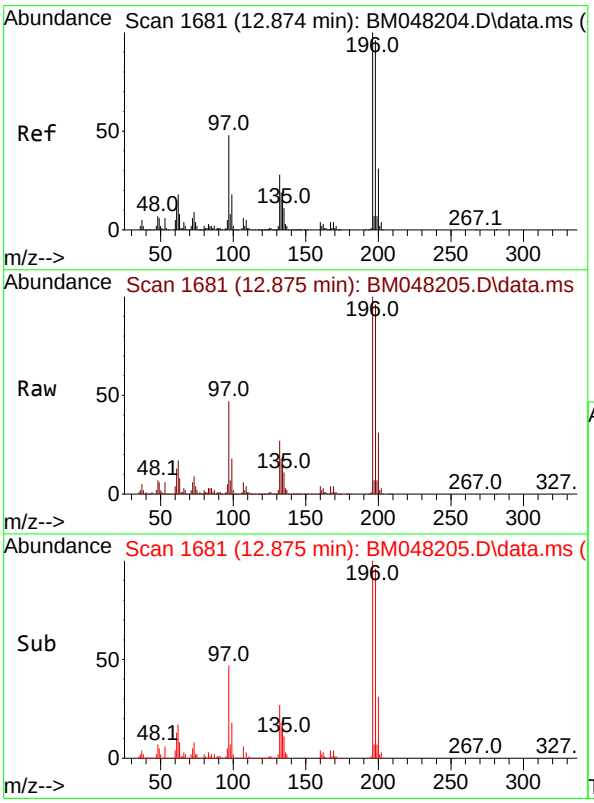
Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.2	114.2
200	31.4	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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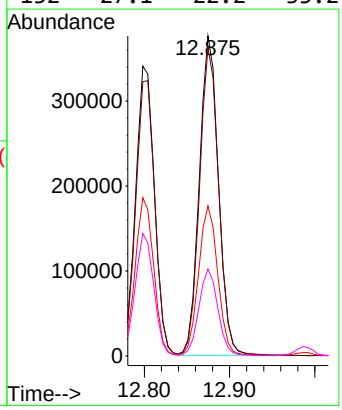
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

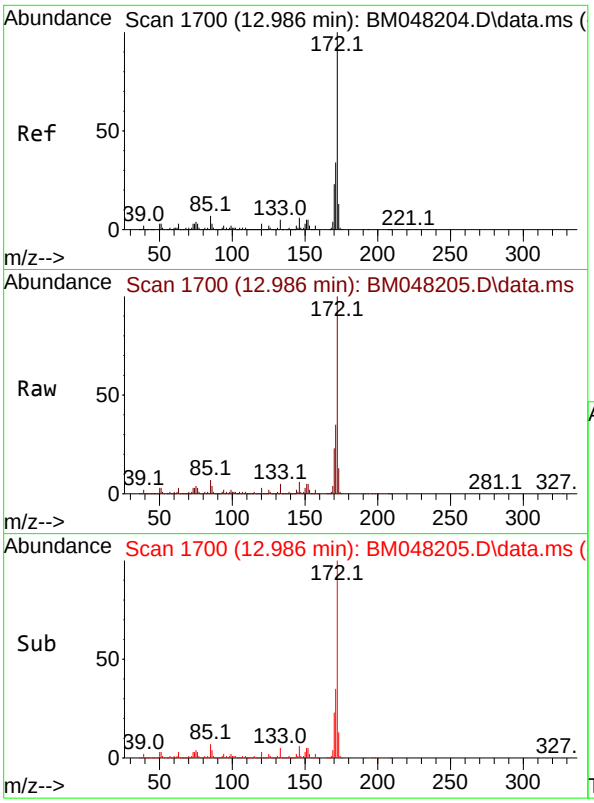


#44
2,4,5-Trichlorophenol
Concen: 49.992 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:196 Resp: 587391

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.7	115.1
97	46.9	38.5	57.7
132	27.1	22.2	33.2

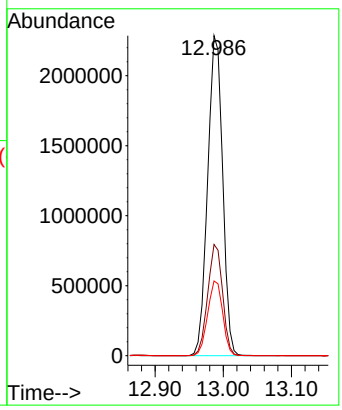




#45
2-Fluorobiphenyl
Concen: 96.536 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:172 Resp: 349464

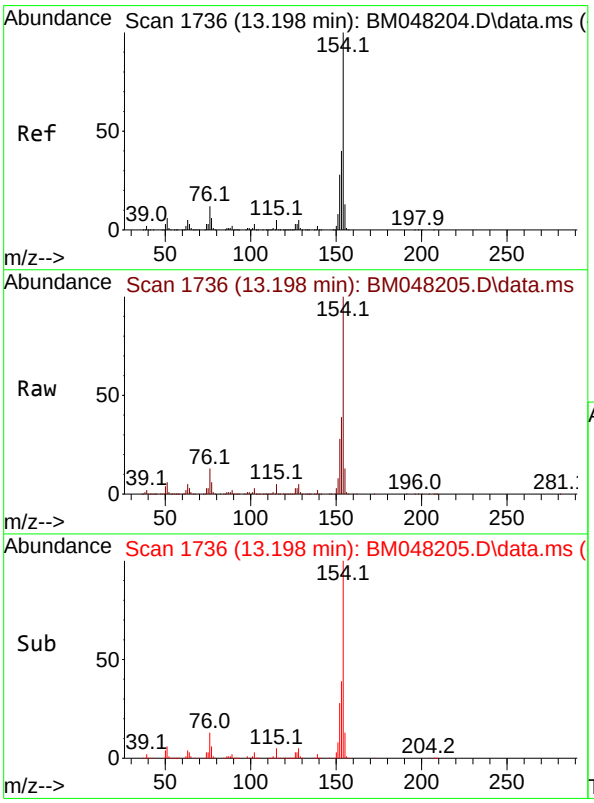
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.4	18.5	27.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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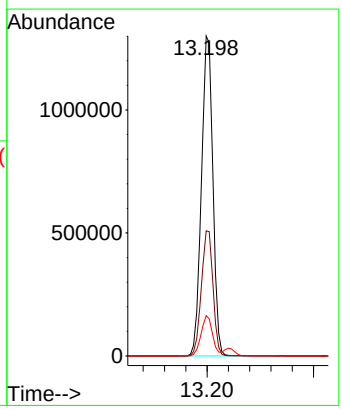
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

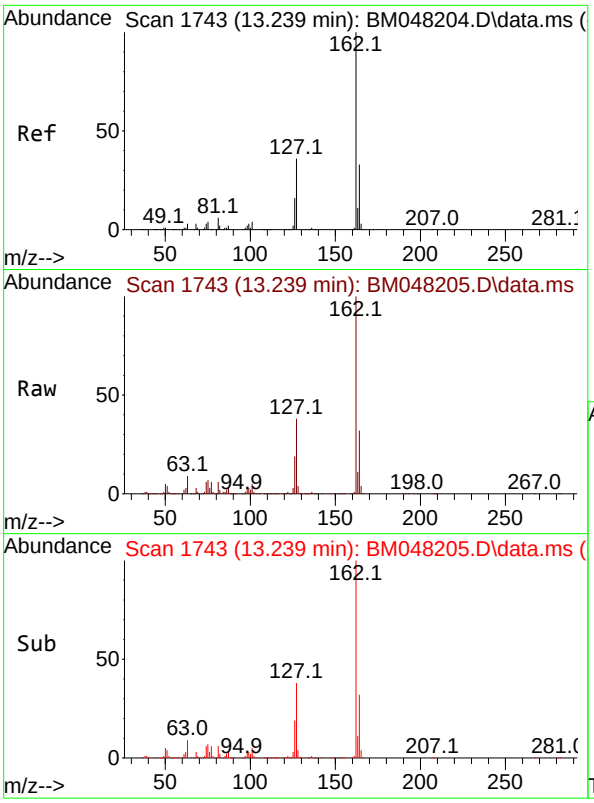


#46
1,1'-Biphenyl
Concen: 48.885 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:154 Resp: 1938780

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.9	59.9
76	12.6	0.0	32.4

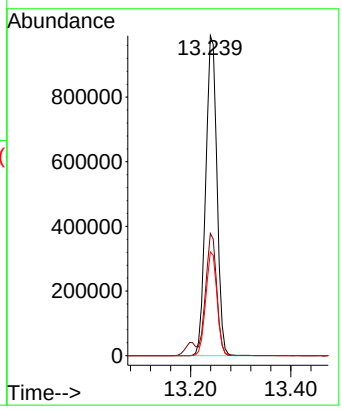




#47
2-Chloronaphthalene
Concen: 49.218 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:162 Resp: 153910

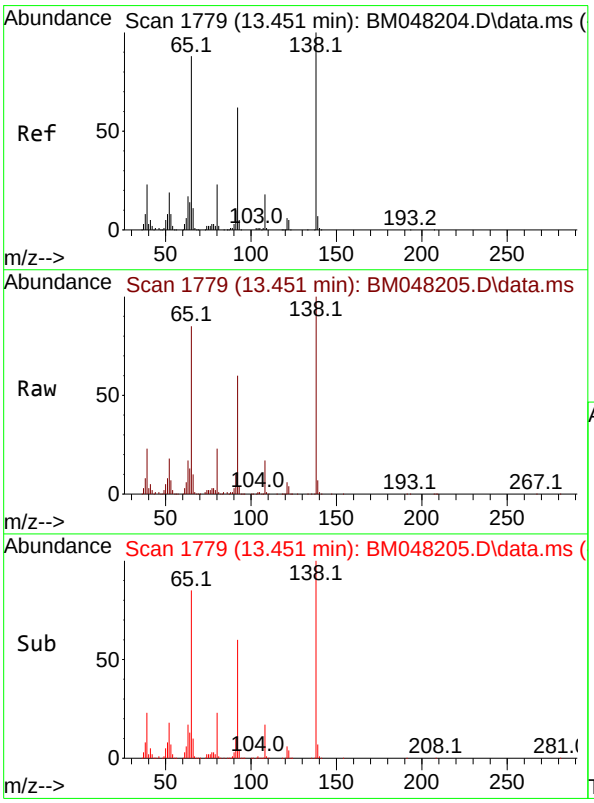
Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.0	46.6
164	32.4	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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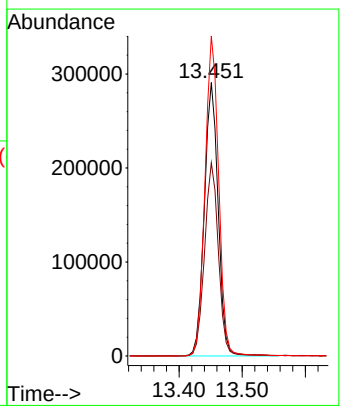
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

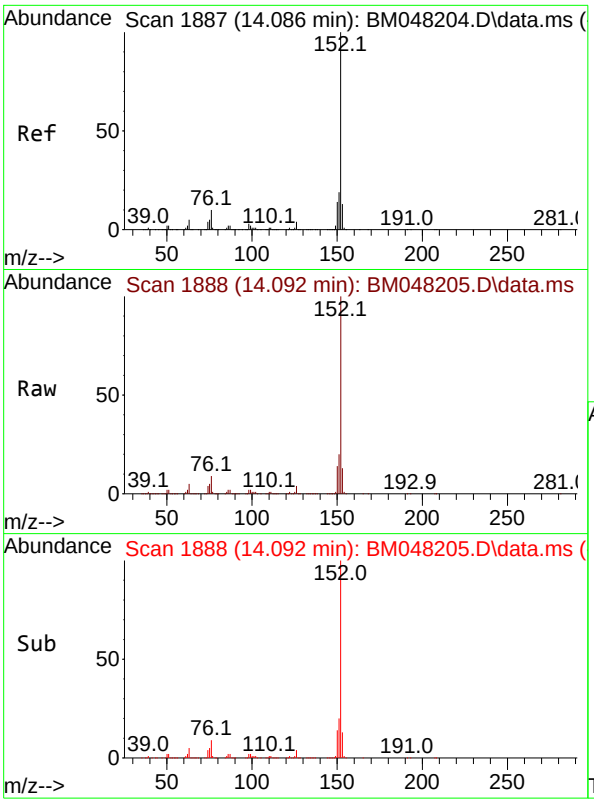


#48
2-Nitroaniline
Concen: 52.259 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 65 Resp: 443237

Ion	Ratio	Lower	Upper
65	100		
92	70.6	56.0	84.0
138	117.0	90.8	136.2

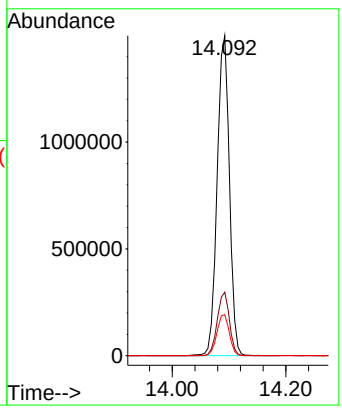




#49
Acenaphthylene
Concen: 49.109 ng
RT: 14.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:152 Resp: 224049

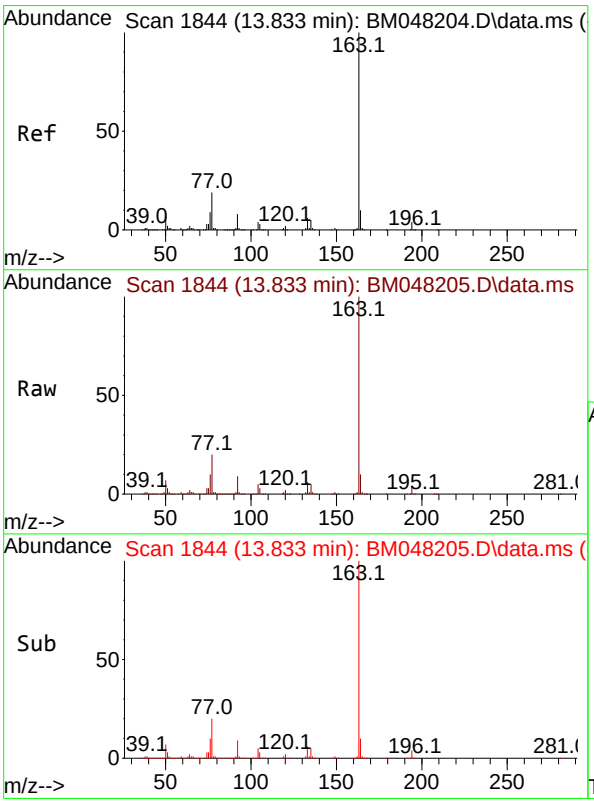
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2
153	12.8	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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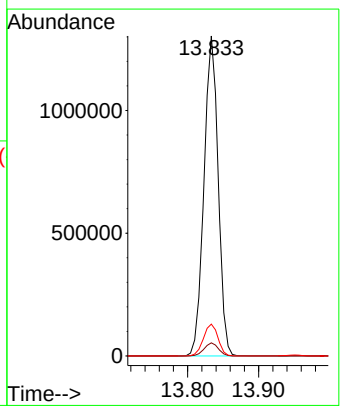
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

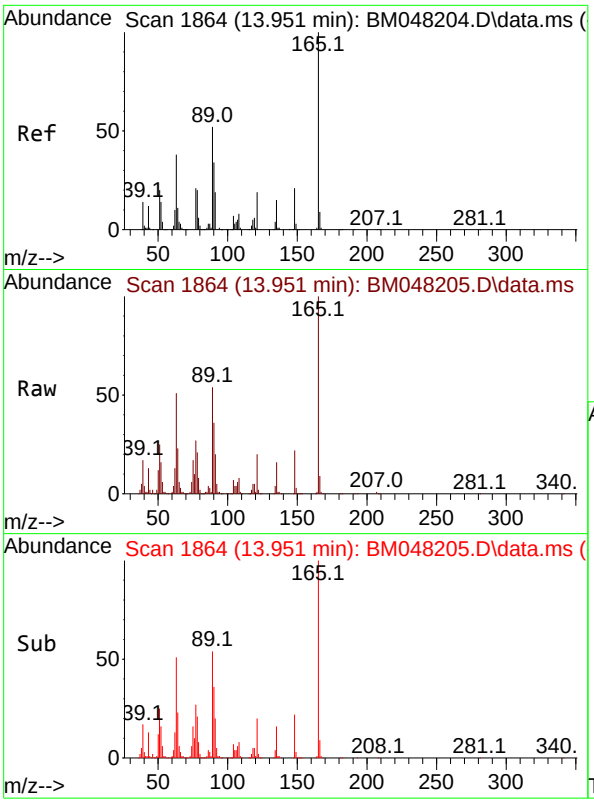


#50
Dimethylphthalate
Concen: 47.842 ng
RT: 13.833 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:163 Resp: 1814251

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.9	7.8	11.6





#51
2,6-Dinitrotoluene
Concen: 50.865 ng
RT: 13.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

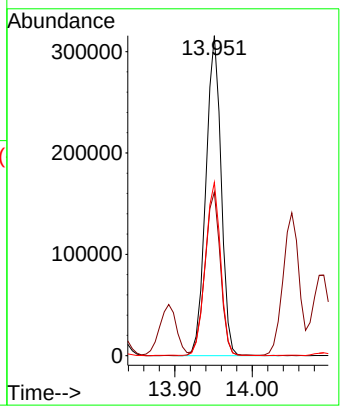
Tgt Ion:165 Resp: 43039

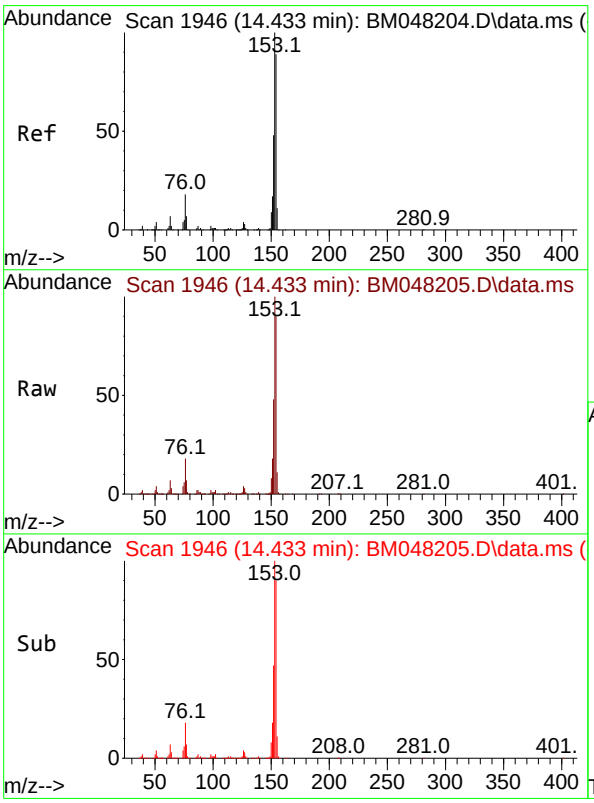
Ion	Ratio	Lower	Upper
165	100		
63	51.1	39.5	59.3
89	54.2	41.8	62.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

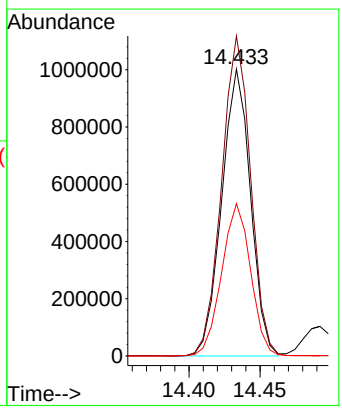


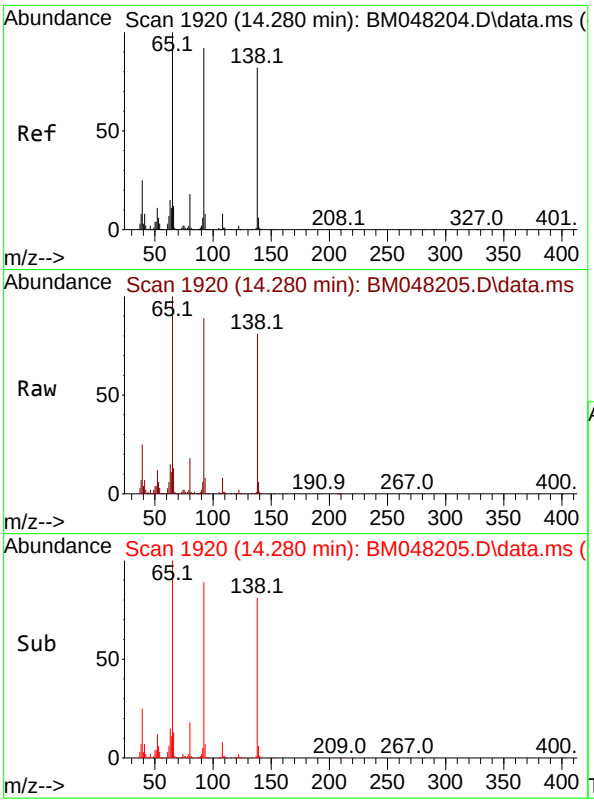


#52
Acenaphthene
Concen: 48.782 ng
RT: 14.433 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:154 Resp: 1414132

Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.4	135.6
152	53.1	43.6	65.4





#53
3-Nitroaniline
Concen: 52.996 ng
RT: 14.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

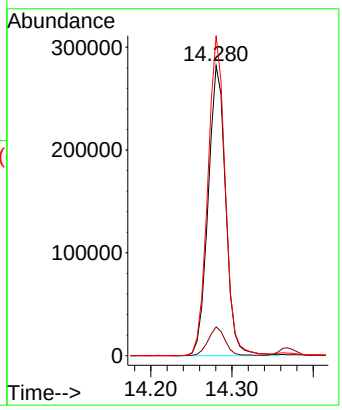
Tgt Ion:138 Resp: 42288

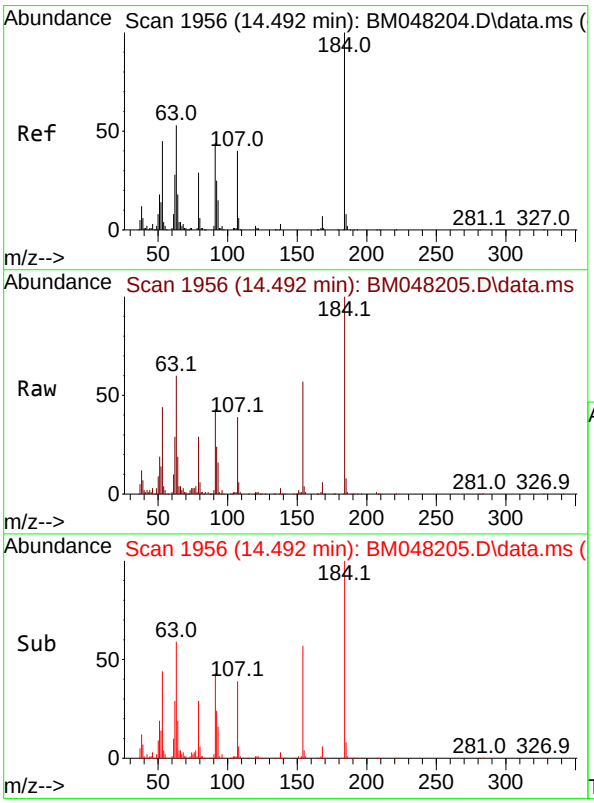
Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.5	11.3
92	110.3	89.7	134.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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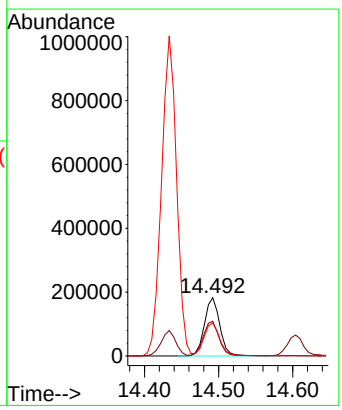


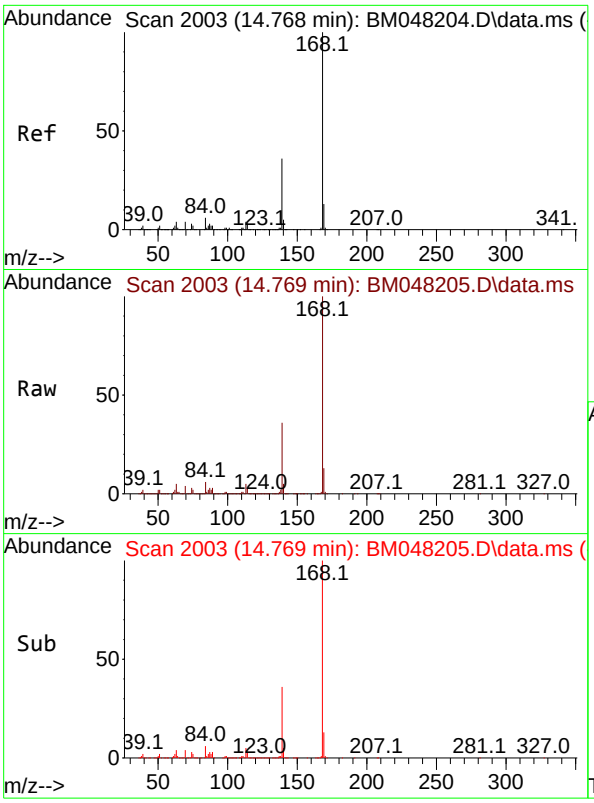


#54
2,4-Dinitrophenol
Concen: 53.178 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:184 Resp: 262940

Ion	Ratio	Lower	Upper
184	100		
63	59.6	47.2	70.8
154	56.6	46.0	69.0

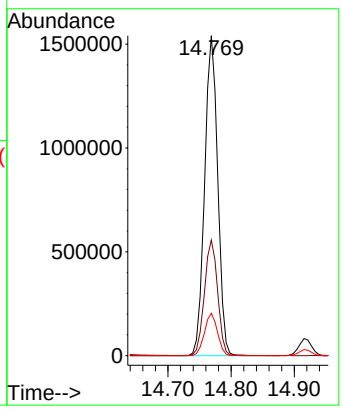




#55
Dibenzofuran
Concen: 47.949 ng
RT: 14.769 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:168 Resp: 220833

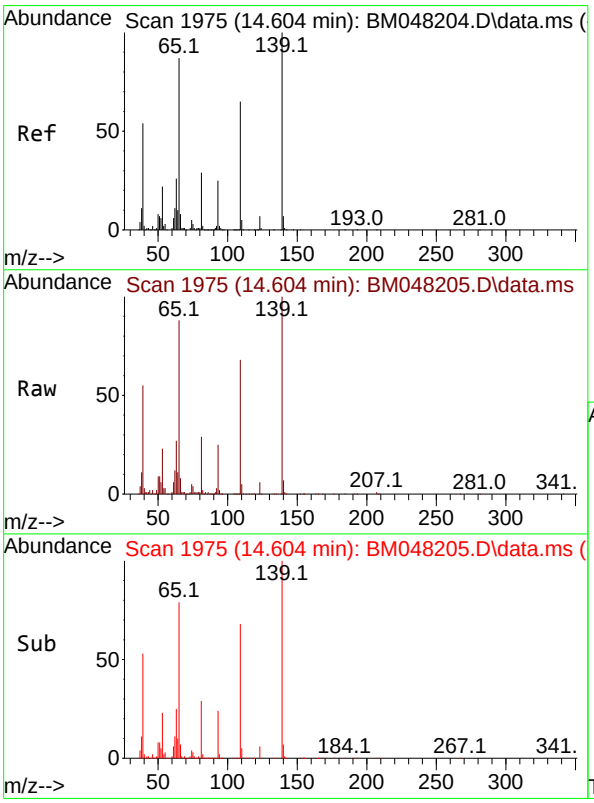
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.0	43.6
169	13.3	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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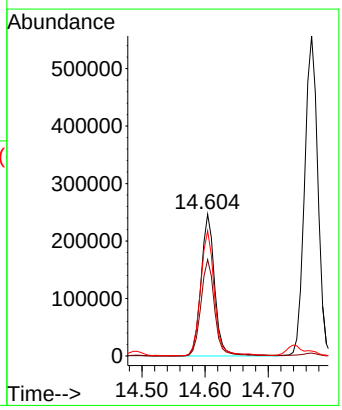
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

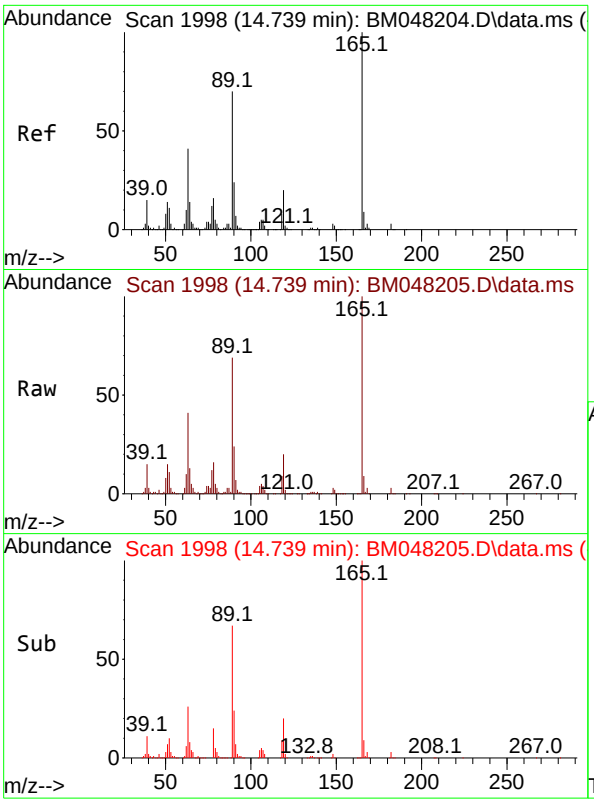


#56
4-Nitrophenol
Concen: 51.946 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:139 Resp: 369939

Ion	Ratio	Lower	Upper
139	100		
109	67.9	45.4	85.4
65	88.3	67.3	107.3

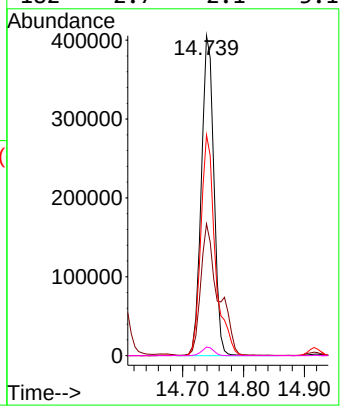




#57
2,4-Dinitrotoluene
Concen: 51.872 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:165 Resp: 57960

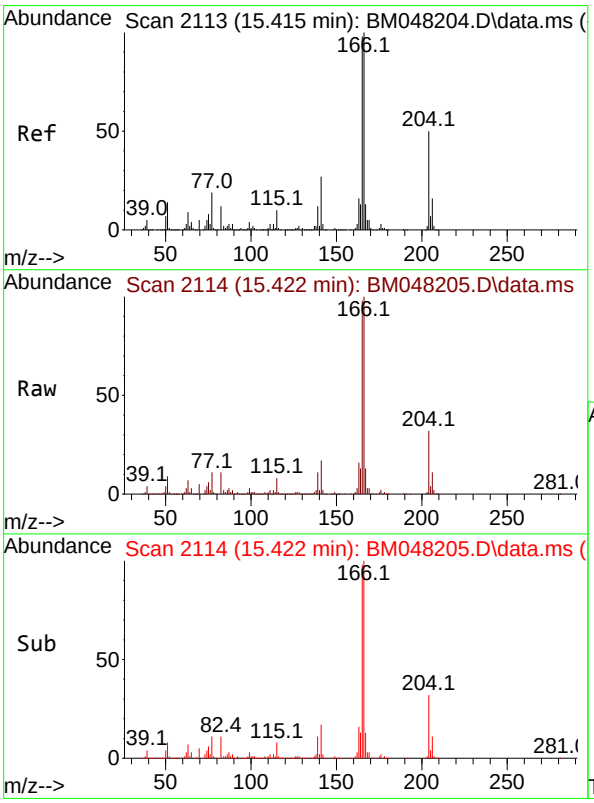
Ion	Ratio	Lower	Upper
165	100		
63	41.2	33.0	49.4
89	69.0	55.8	83.6
182	2.7	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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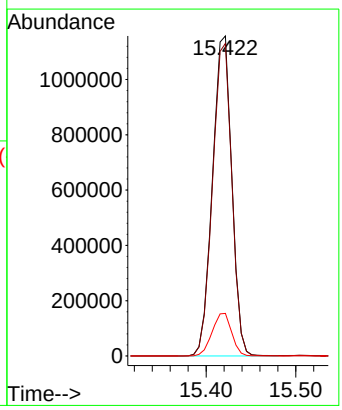
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

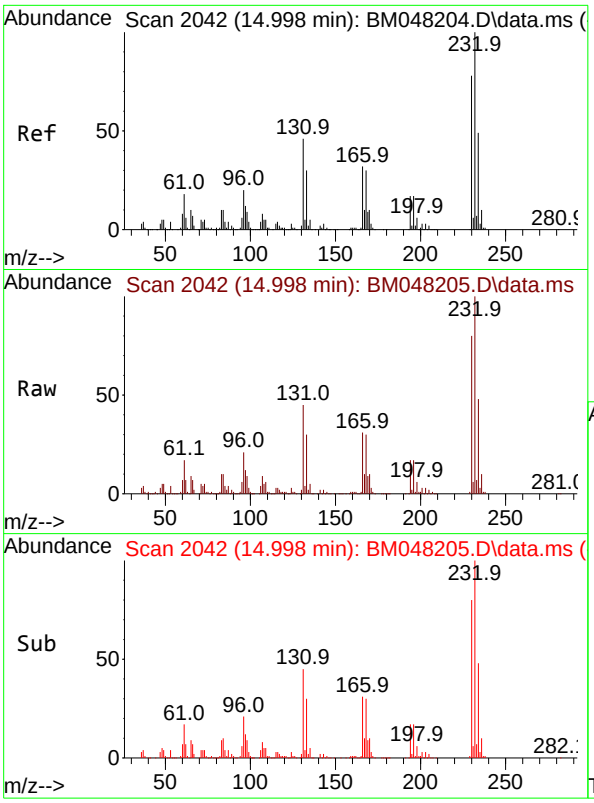


#58
Fluorene
Concen: 47.574 ng
RT: 15.422 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:166 Resp: 1732566

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.3	10.8	16.2

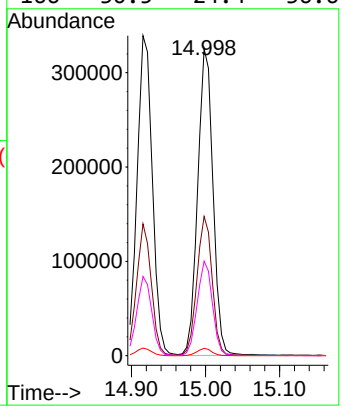




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.039 ng
RT: 14.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:232 Resp: 46785

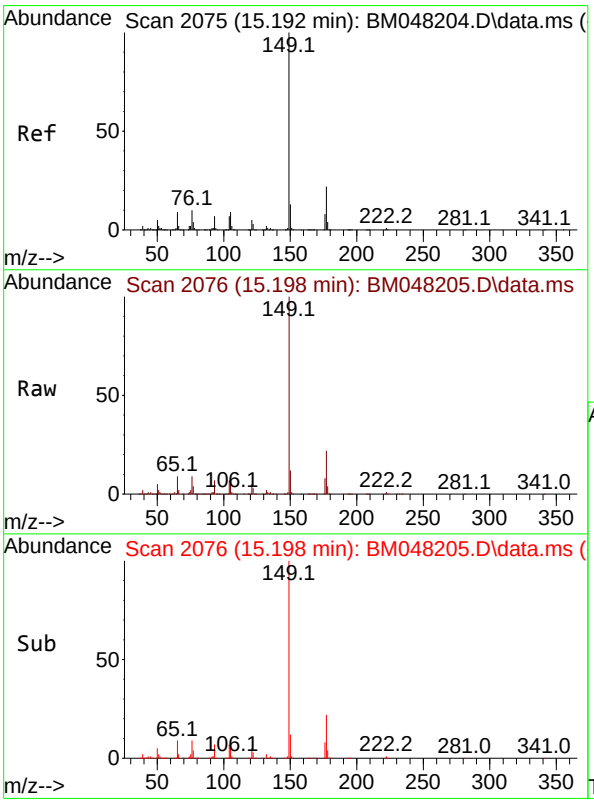
Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.5	53.3
130	2.3	1.8	2.6
166	30.5	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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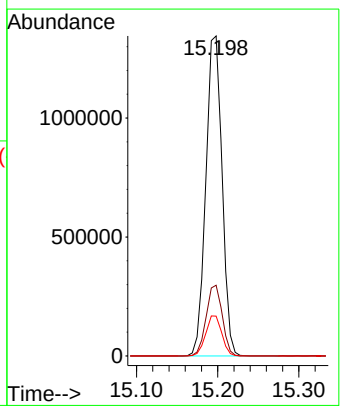
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

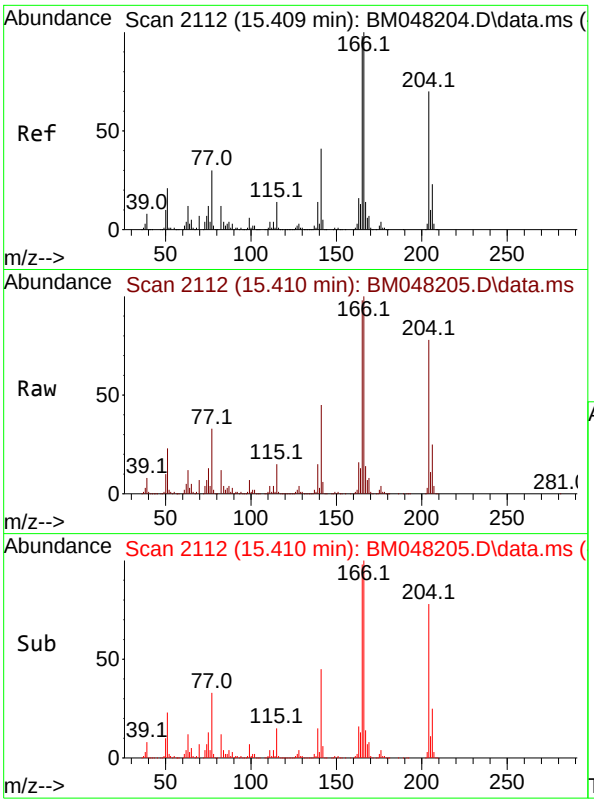


#60
Diethylphthalate
Concen: 48.484 ng
RT: 15.198 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:149 Resp: 1861550

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 47.494 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

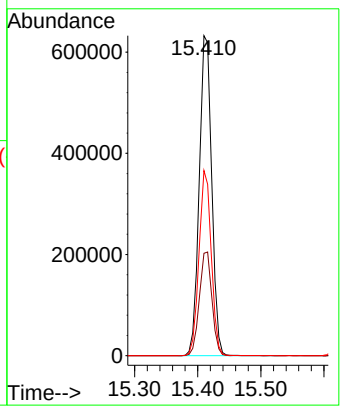
Tgt Ion:204 Resp: 86484

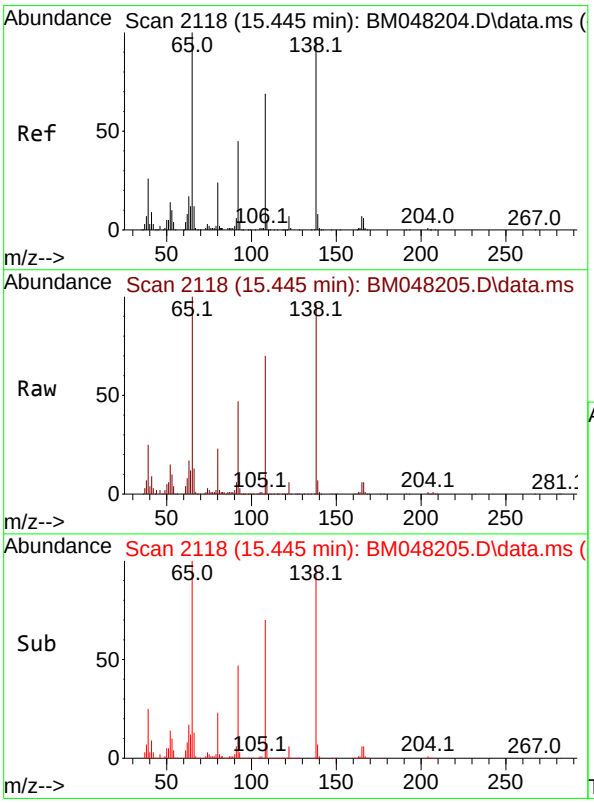
Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.2	39.4
141	57.8	47.0	70.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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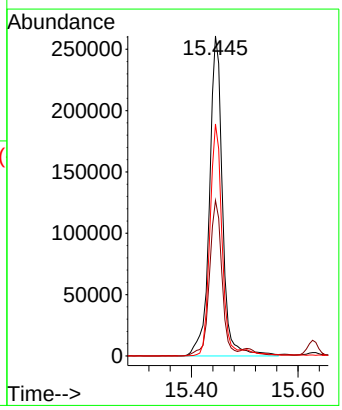


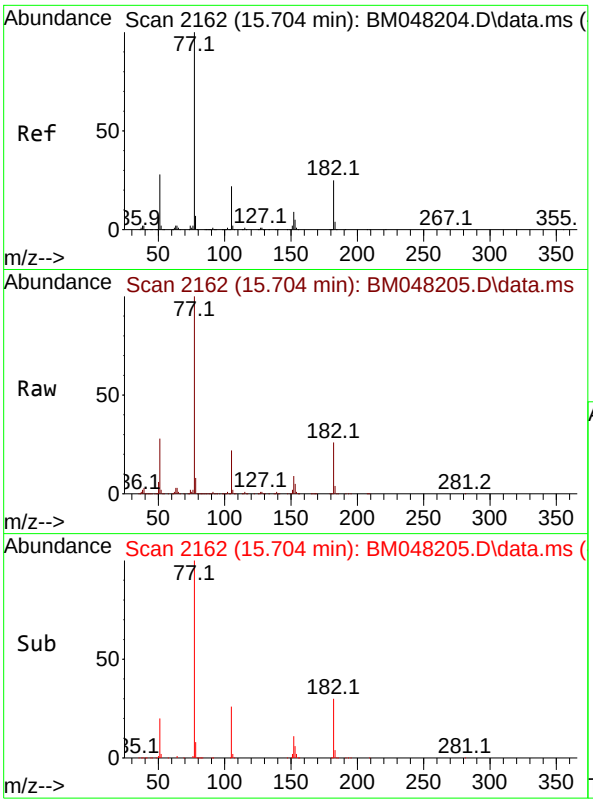


#62
4-Nitroaniline
Concen: 53.792 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:138 Resp: 444235

Ion	Ratio	Lower	Upper
138	100		
92	48.6	26.9	66.9
108	72.5	51.3	91.3

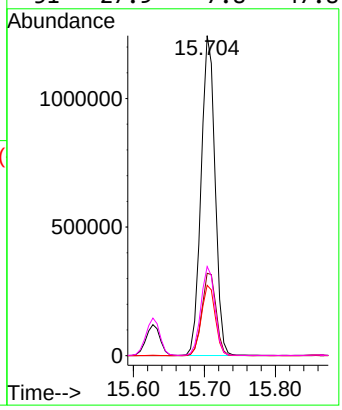




#63
Azobenzene
Concen: 49.384 ng
RT: 15.704 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion: 77 Resp: 169942

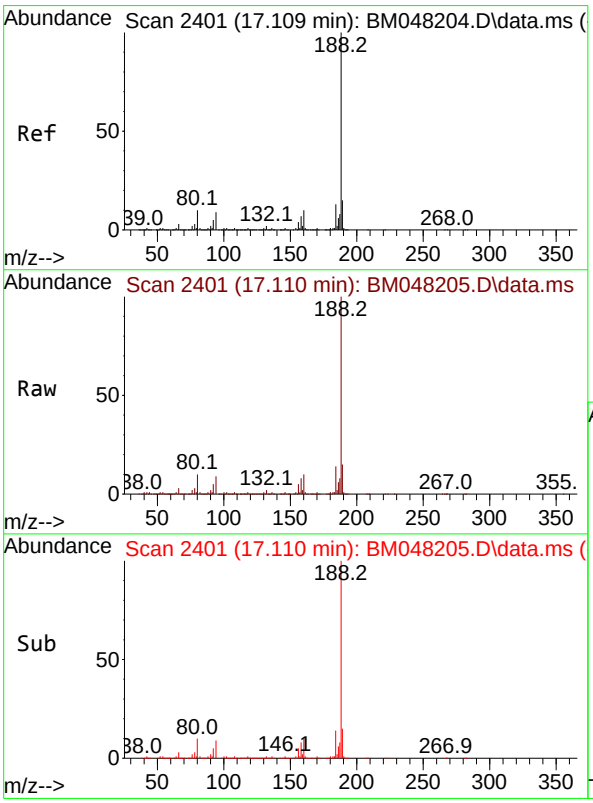
Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.3	45.3
105	22.0	1.6	41.6
51	27.9	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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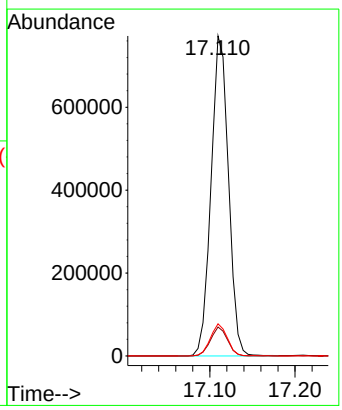
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

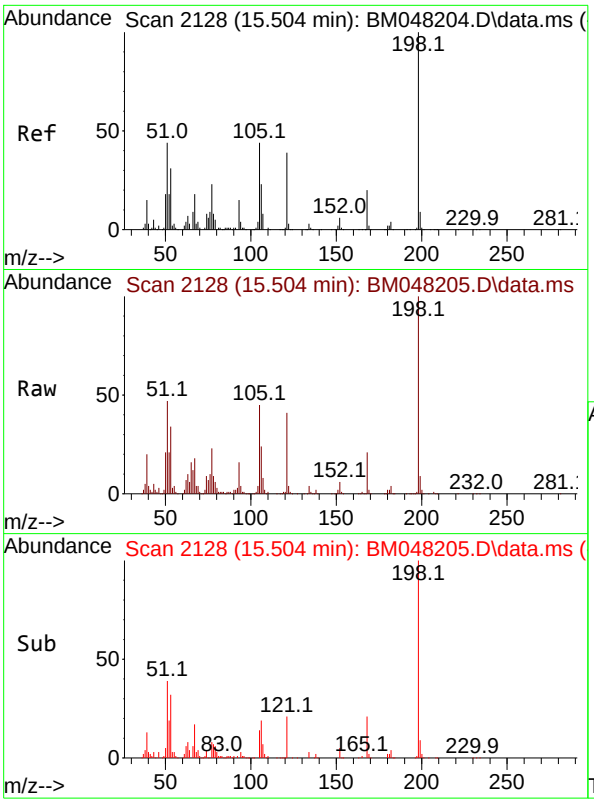


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:188 Resp: 1094643

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.1	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 53.510 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

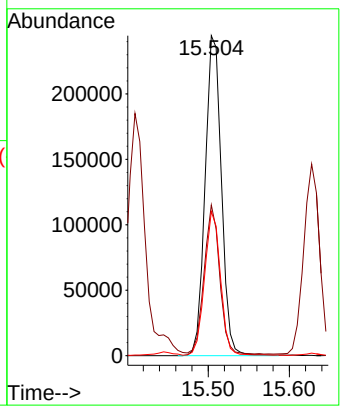
Tgt Ion:198 Resp: 33985

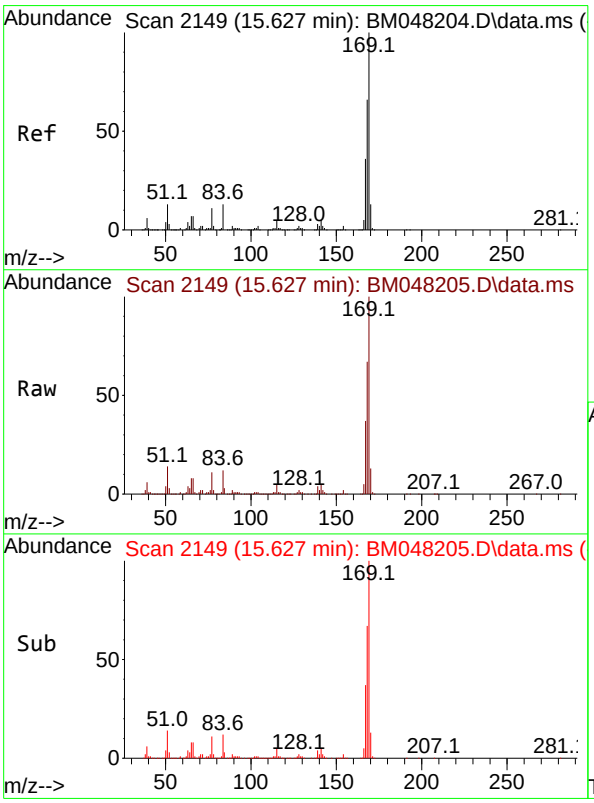
Ion	Ratio	Lower	Upper
198	100		
51	47.1	25.4	65.4
105	45.0	23.9	63.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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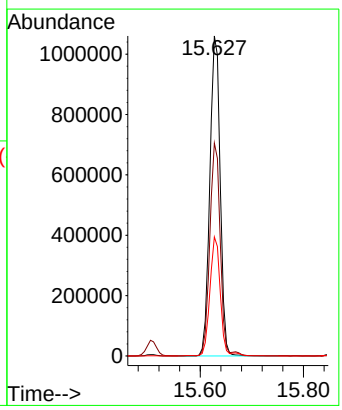


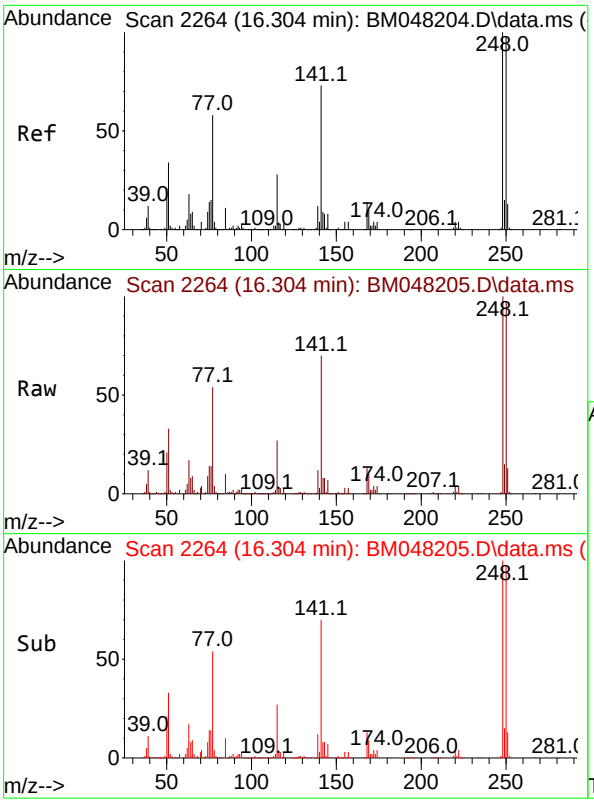


#66
n-Nitrosodiphenylamine
Concen: 48.975 ng
RT: 15.627 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:169 Resp: 1471711

Ion	Ratio	Lower	Upper
169	100		
168	66.5	52.9	79.3
167	37.2	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 49.097 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

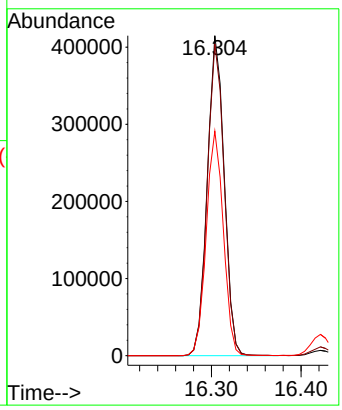
Tgt Ion:248 Resp: 54489

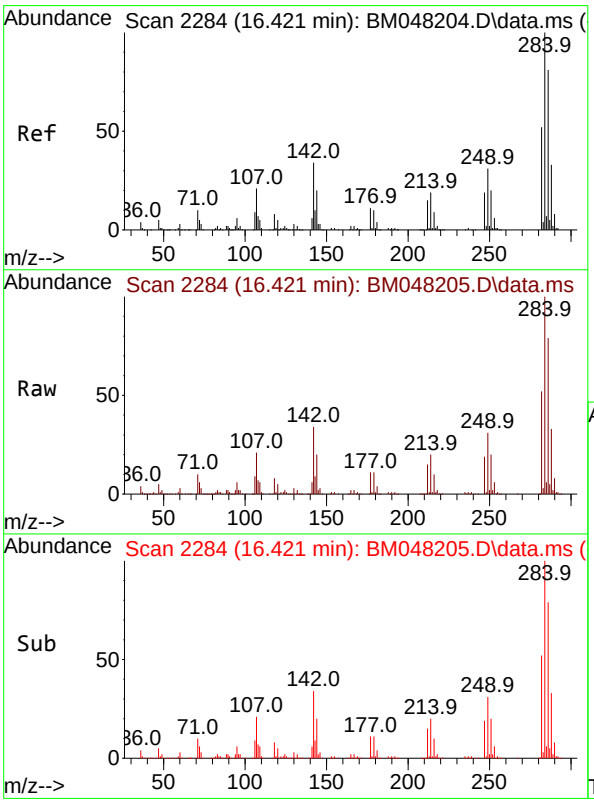
Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.3	117.5
141	70.2	58.0	87.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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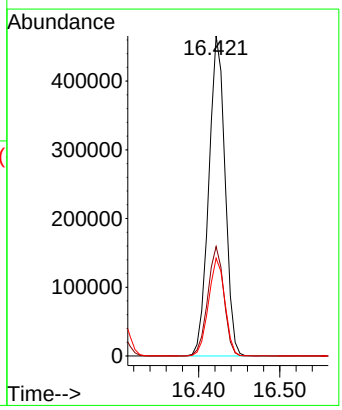


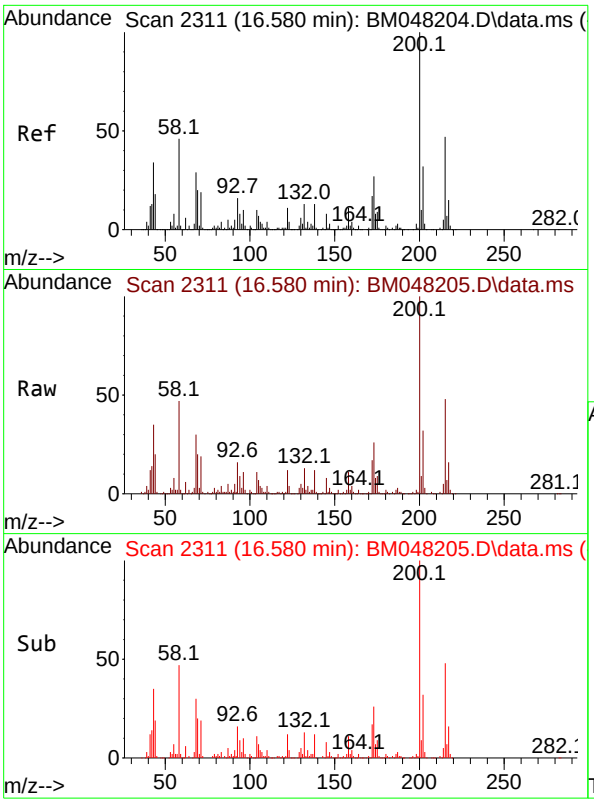


#68
Hexachlorobenzene
Concen: 48.531 ng
RT: 16.421 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:284 Resp: 646893

Ion	Ratio	Lower	Upper
284	100		
142	34.2	27.0	40.4
249	30.6	24.6	36.8





#69
Atrazine
Concen: 35.969 ng
RT: 16.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

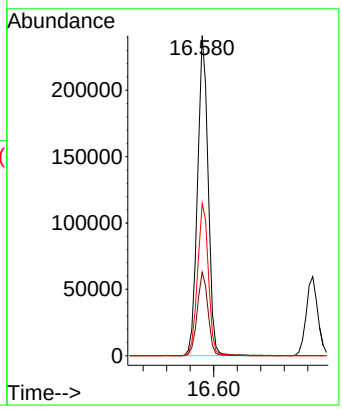
Tgt Ion:200 Resp: 30242

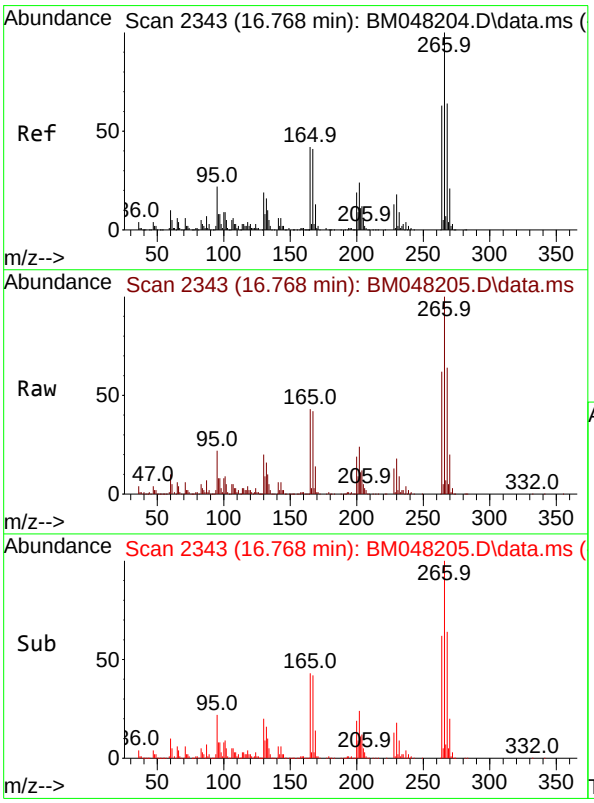
Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.5	46.5
215	47.6	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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Supervised By :mohammad ahmed 10/24/2024

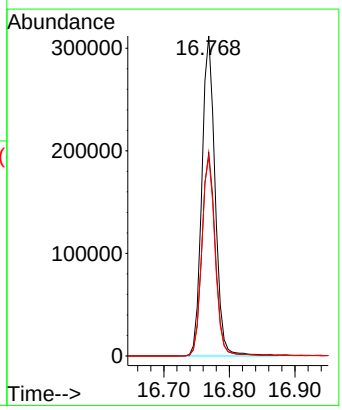


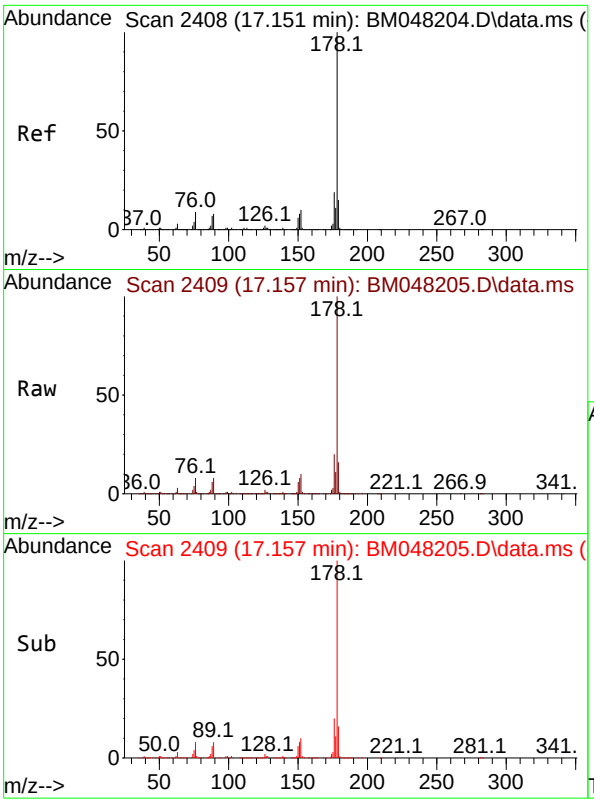


#70
Pentachlorophenol
Concen: 50.179 ng
RT: 16.768 min Scan# 2343
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:266 Resp: 439138

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.8	76.2
264	62.2	50.2	75.2

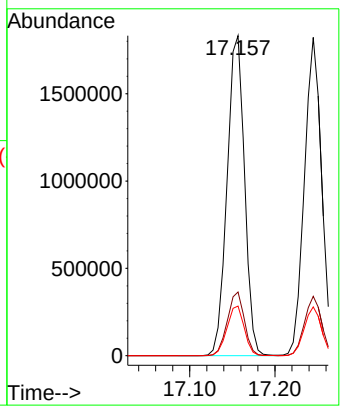




#71
Phenanthrene
Concen: 48.111 ng
RT: 17.157 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:178 Resp: 260781

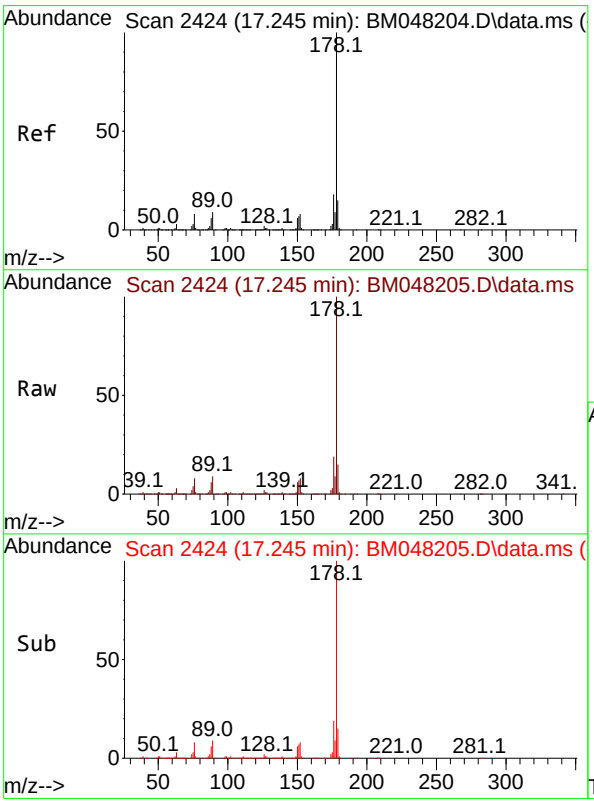
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.0
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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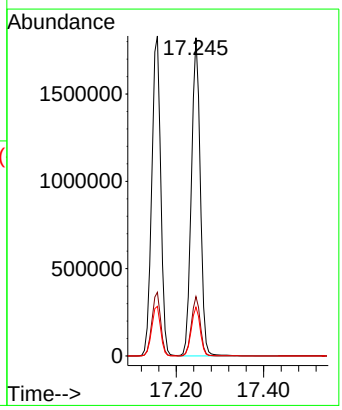
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

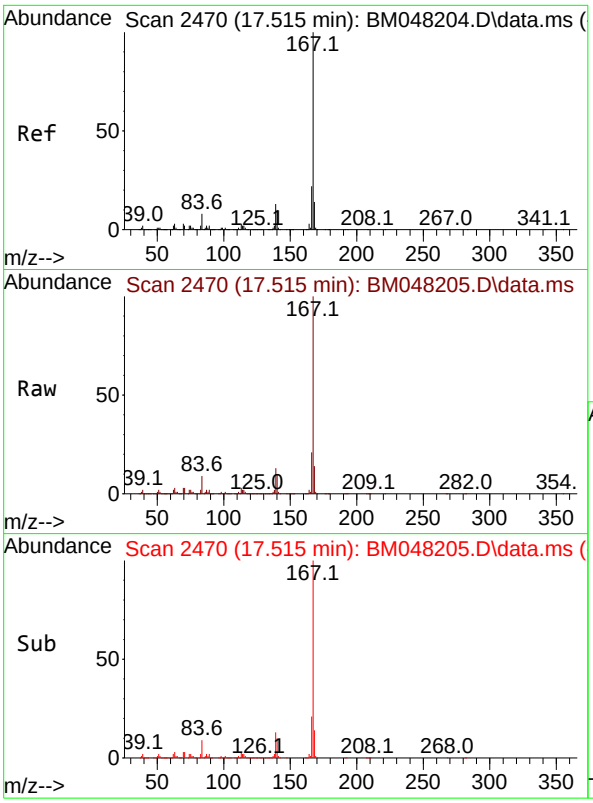


#72
Anthracene
Concen: 49.246 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:178 Resp: 2583977

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.4	12.2	18.2

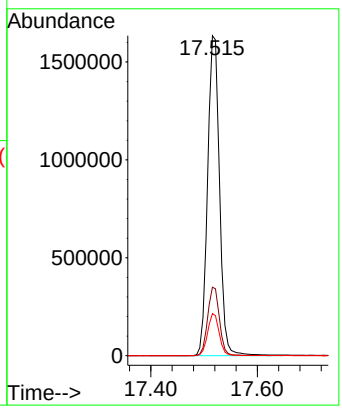




#73
Carbazole
Concen: 49.331 ng
RT: 17.515 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:167 Resp: 253747

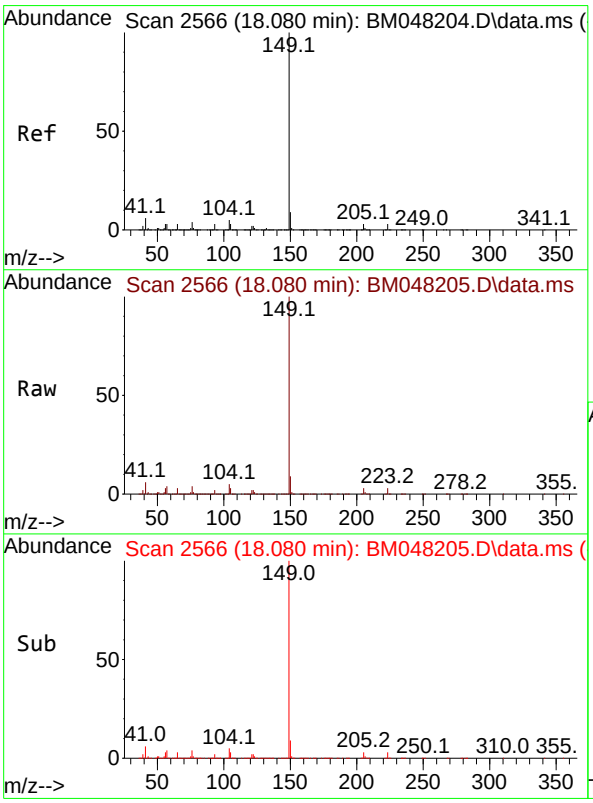
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

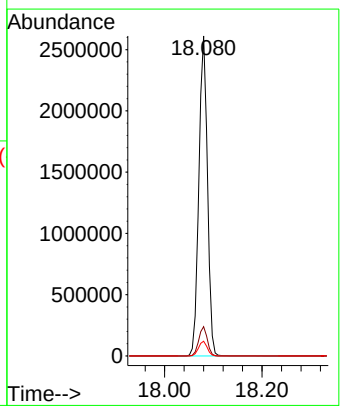
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

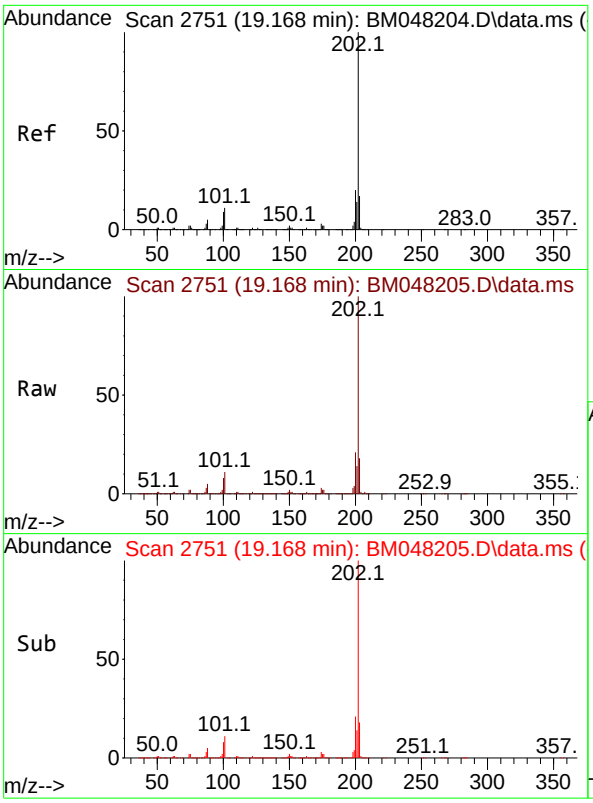


#74
Di-n-butylphthalate
Concen: 50.012 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:149 Resp: 3202126

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	4.6	3.8	5.6





#75
Fluoranthene
Concen: 48.119 ng
RT: 19.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

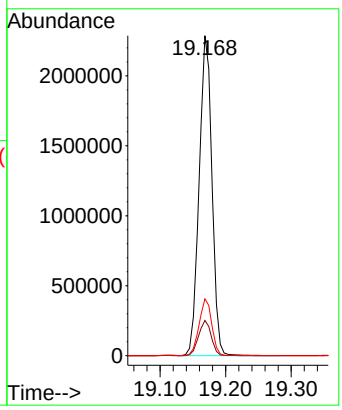
Tgt Ion:202 Resp: 311130

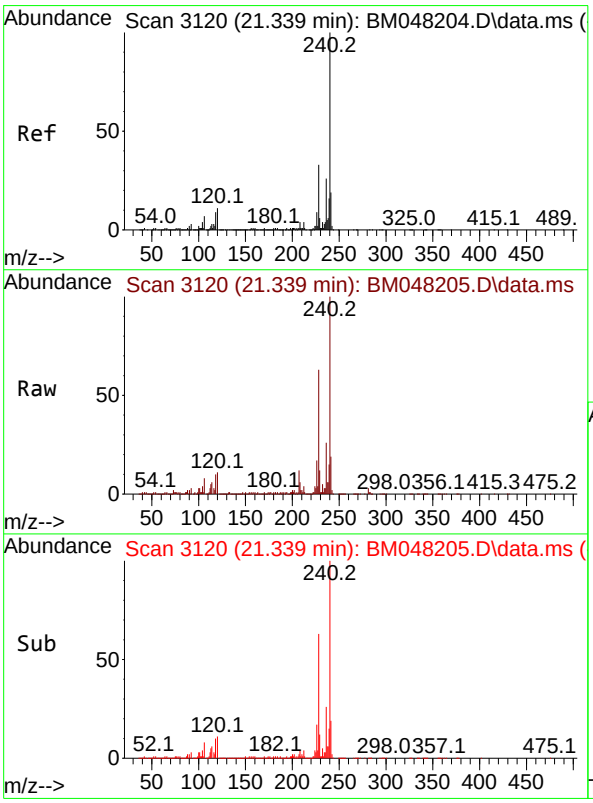
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	17.7	0.0	37.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

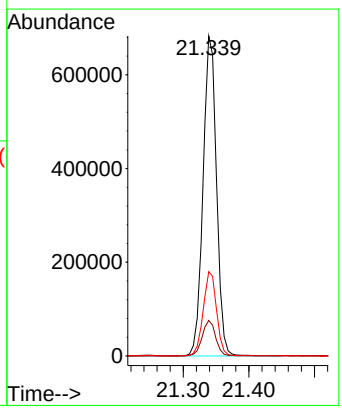


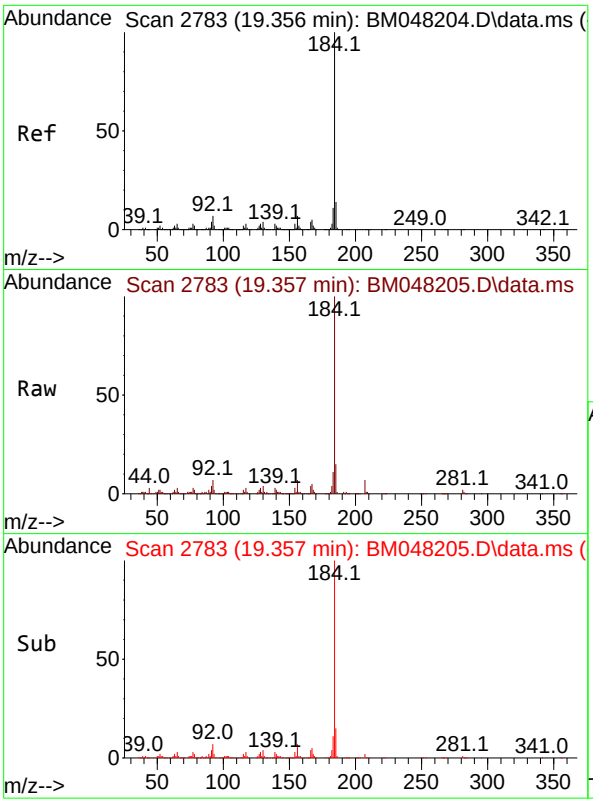


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:240 Resp: 975928

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	26.4	20.7	31.1





#77
Benzidine
Concen: 33.601 ng
RT: 19.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

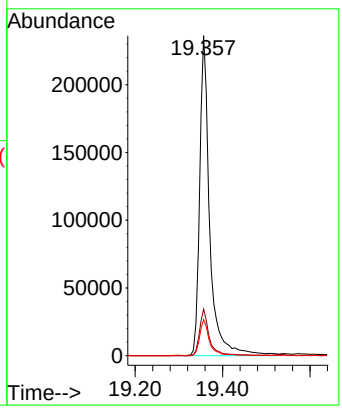
Tgt Ion:184 Resp: 37845

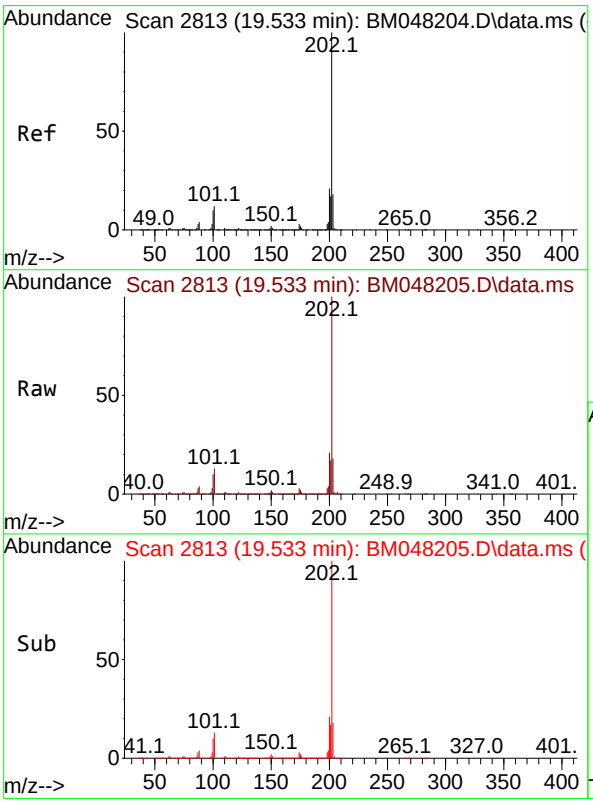
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.0
183	11.2	9.0	13.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

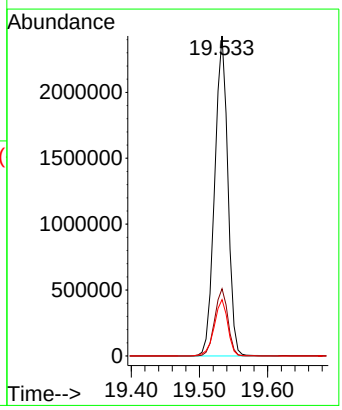


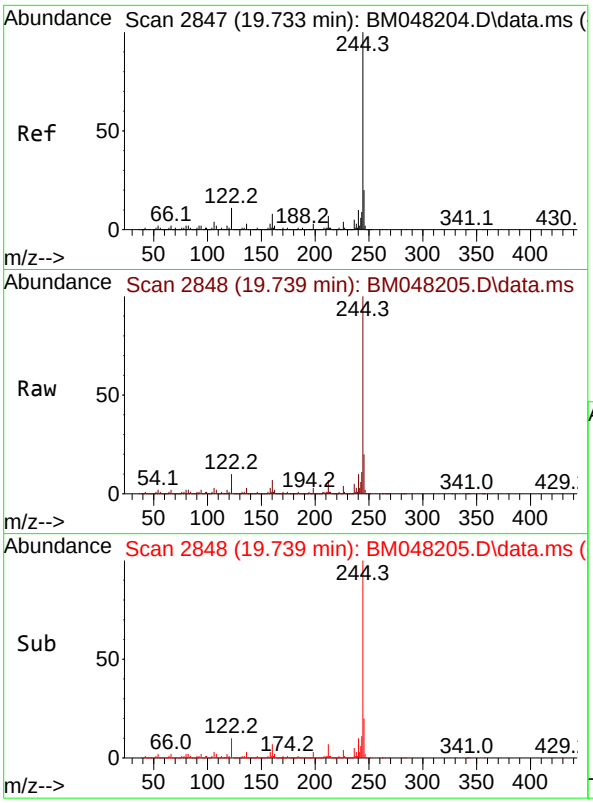


#78
Pyrene
Concen: 49.853 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:202 Resp: 3256497

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.6	14.1	21.1

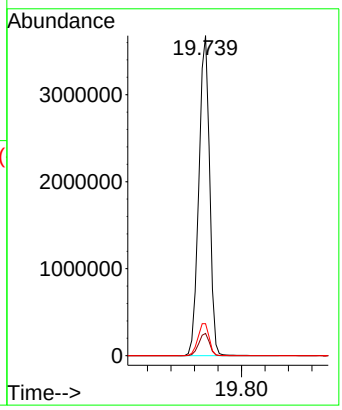




#79
Terphenyl-d14
Concen: 97.484 ng
RT: 19.739 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:244 Resp: 466191

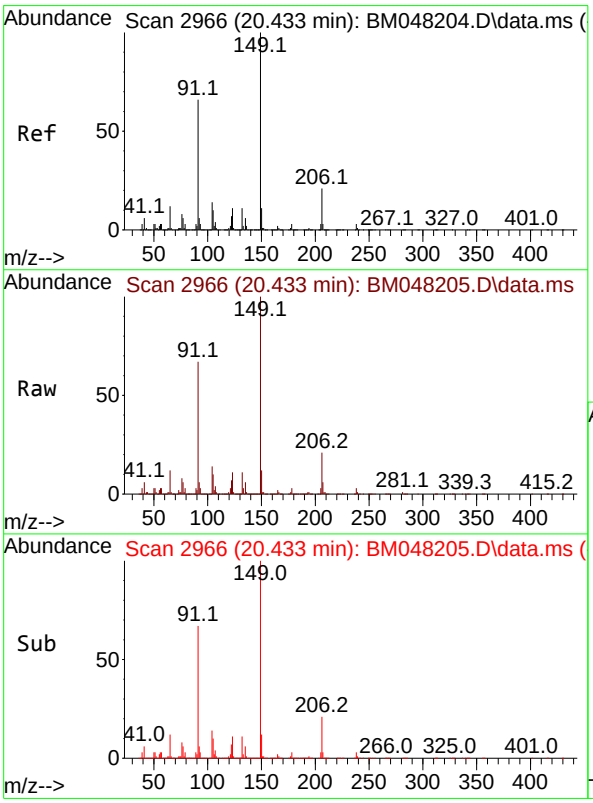
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.0	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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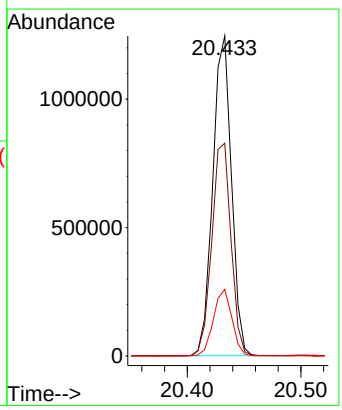
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

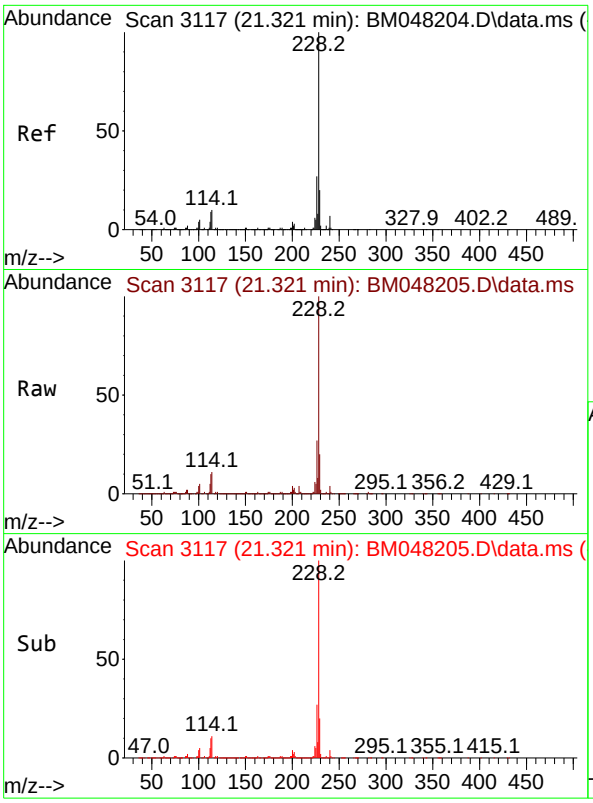


#80
Butylbenzylphthalate
Concen: 52.080 ng
RT: 20.433 min Scan# 2966
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:149 Resp: 1422590

Ion	Ratio	Lower	Upper
149	100		
91	66.5	52.5	78.7
206	20.8	17.0	25.6

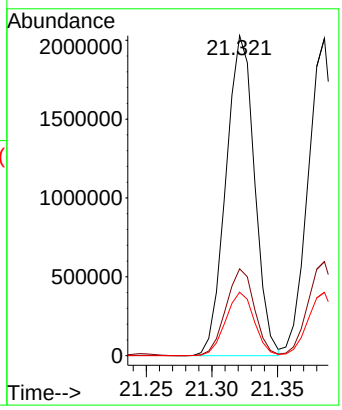




#81
Benzo(a)anthracene
Concen: 49.448 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:228 Resp: 308379

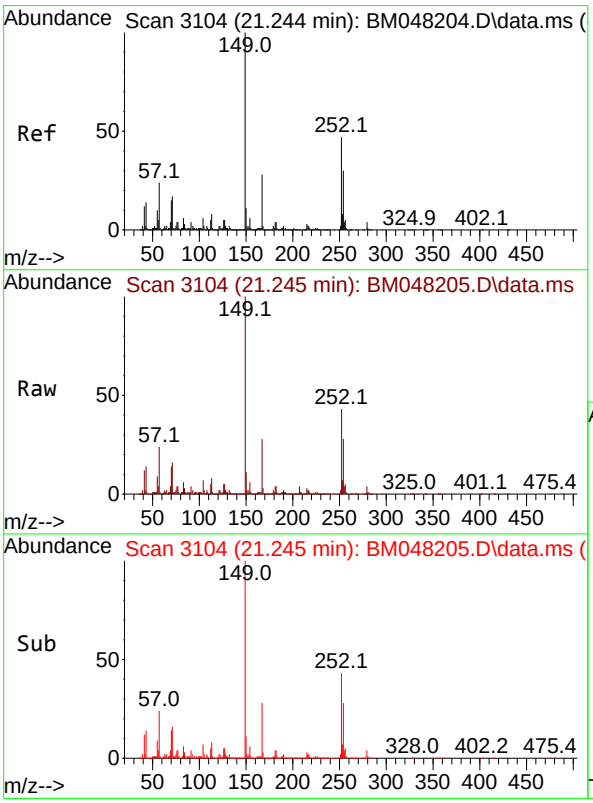
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.5	32.3
229	19.9	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

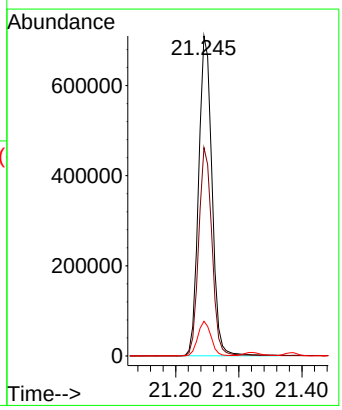
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

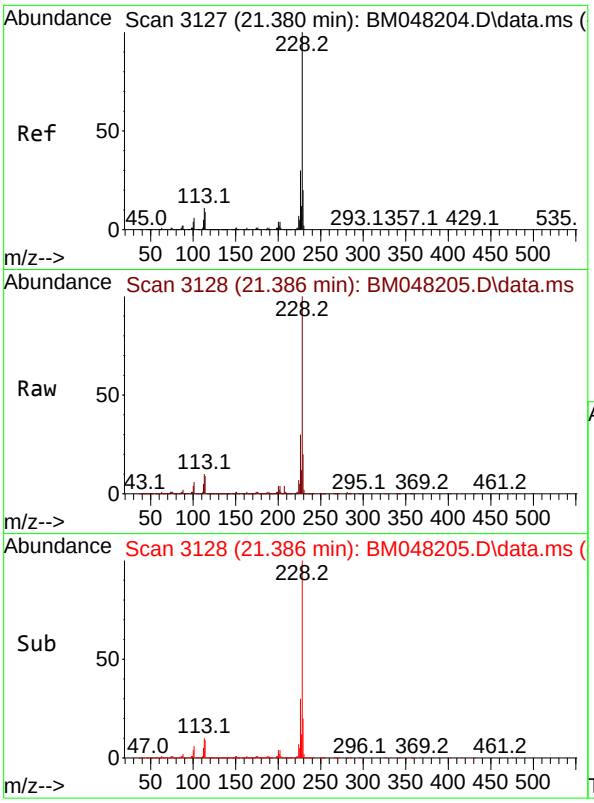


#82
3,3'-Dichlorobenzidine
Concen: 48.808 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:252 Resp: 1042618

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.8	77.8
126	10.9	8.8	13.2

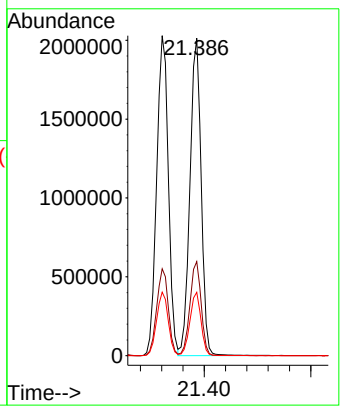




#83
Chrysene
Concen: 49.052 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:228 Resp: 293628

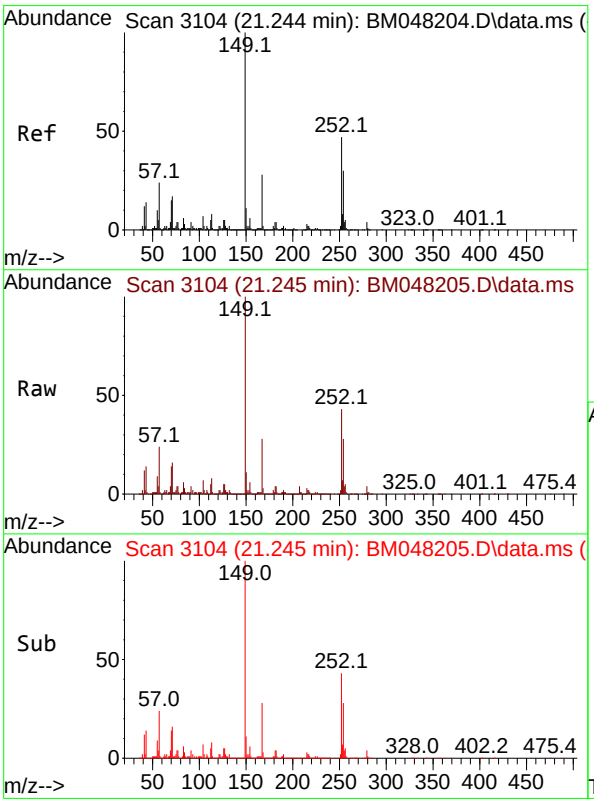
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	20.0	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

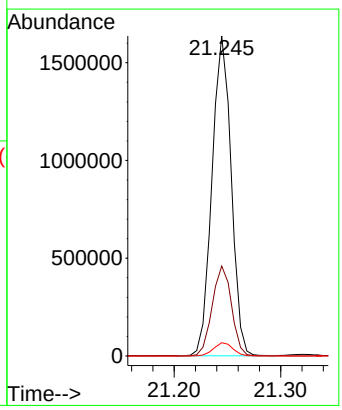
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

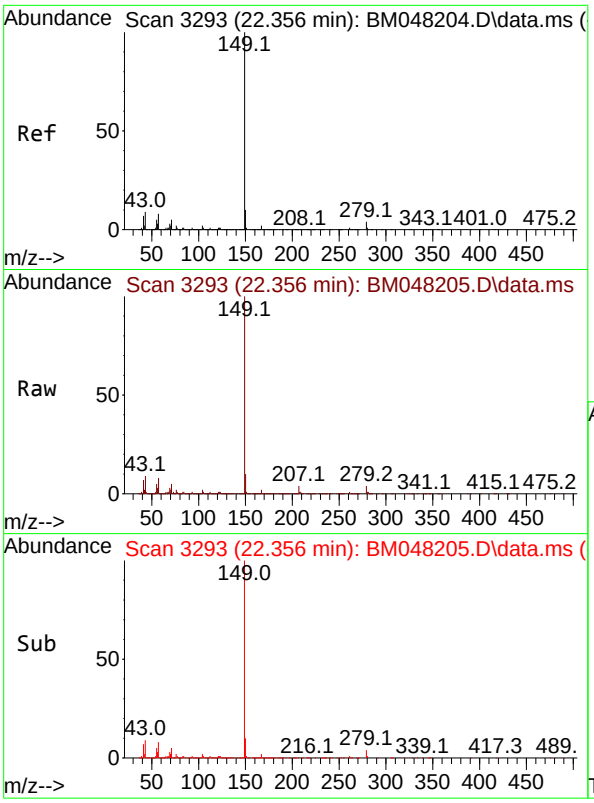


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.531 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:149 Resp: 2045855

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	4.1	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 52.701 ng
RT: 22.356 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

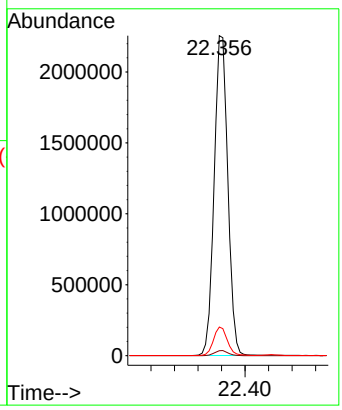
Tgt Ion:149 Resp: 362373

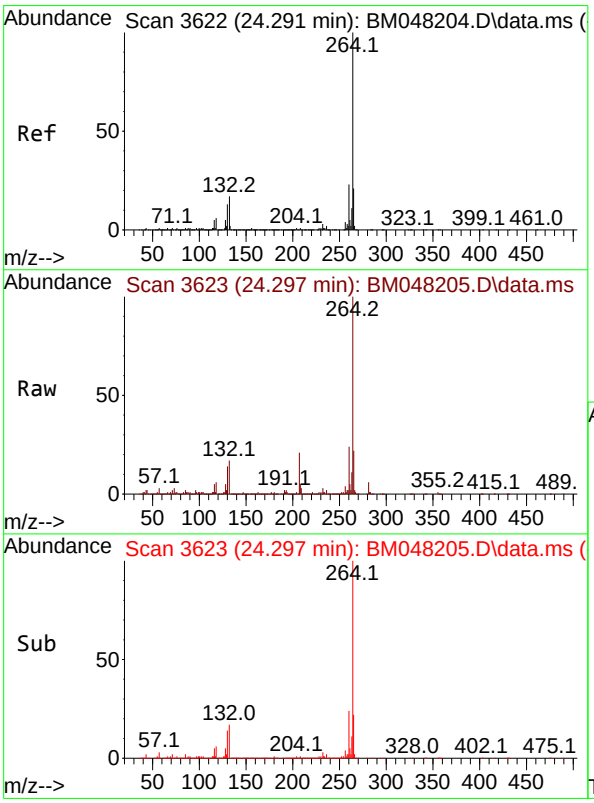
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.1	7.3	10.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

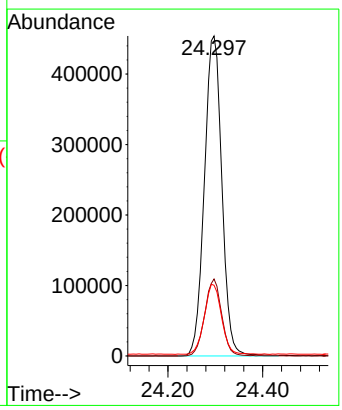


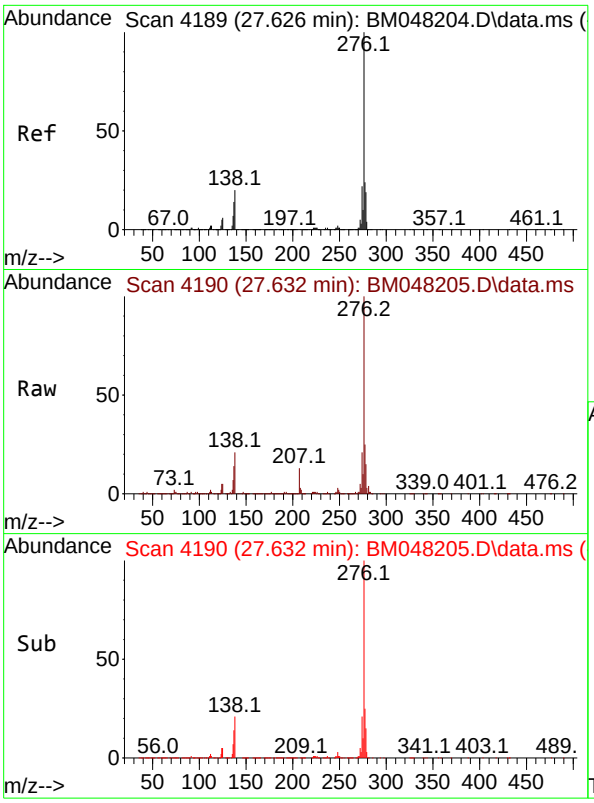


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.297 min Scan# 3623
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:264 Resp: 1164573

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.1	17.4	26.2

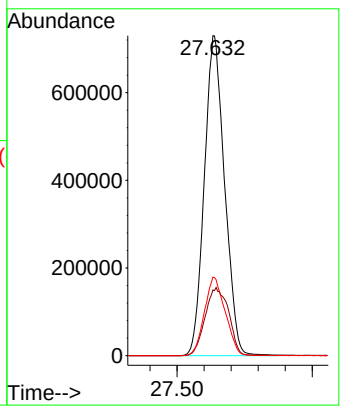




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.343 ng
RT: 27.632 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:276 Resp: 379984

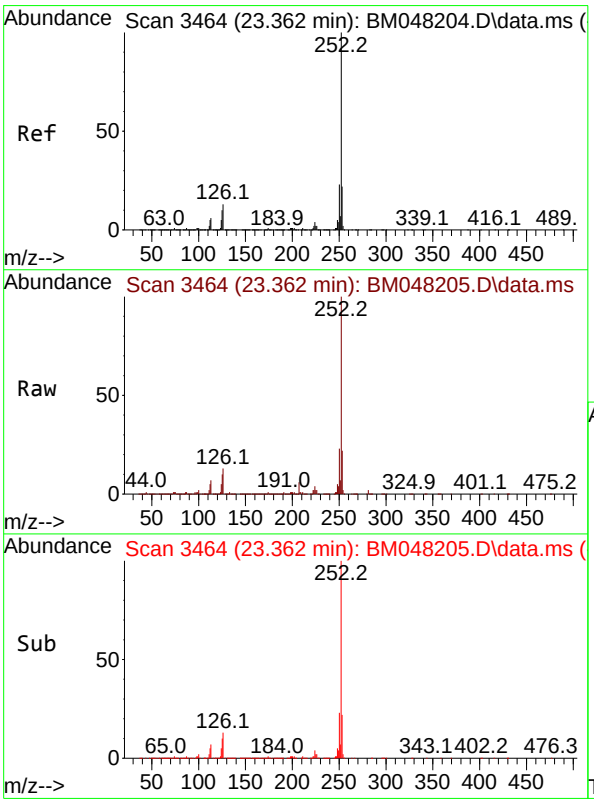
Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.1	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

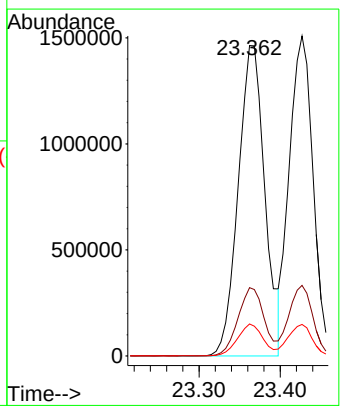
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

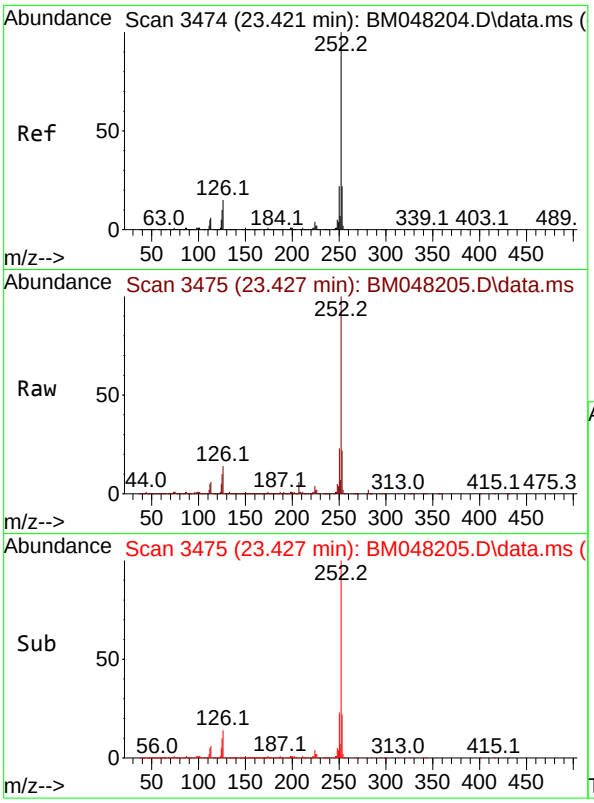


#88
Benzo(b)fluoranthene
Concen: 50.054 ng
RT: 23.362 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:252 Resp: 3342204

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.3	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 47.528 ng
RT: 23.427 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

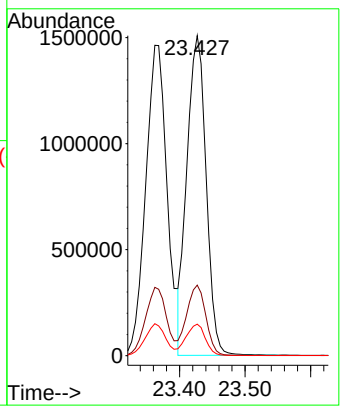
Tgt Ion:252 Resp: 306831

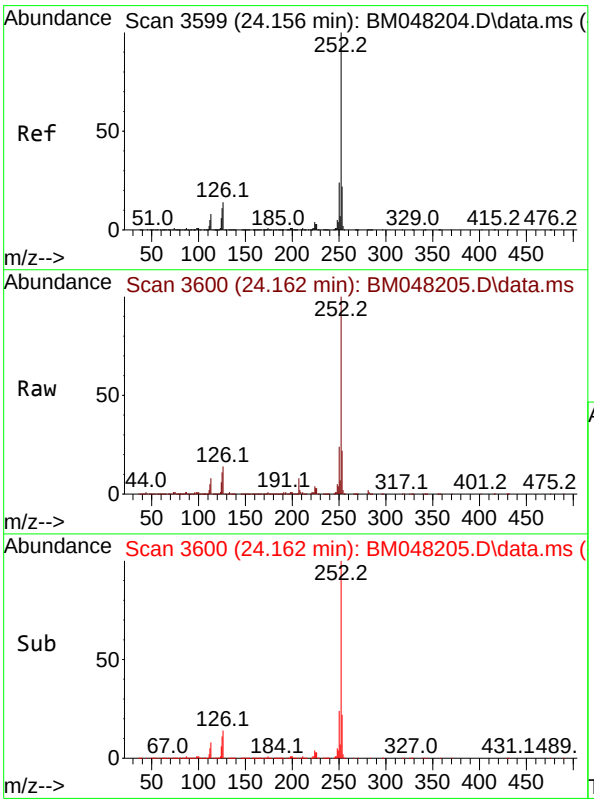
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.9	7.8	11.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

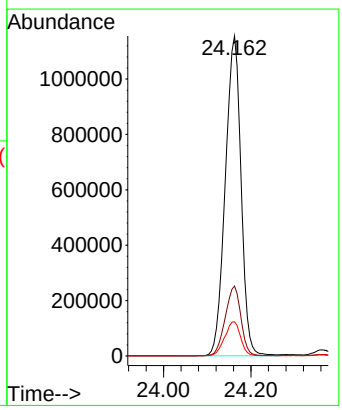


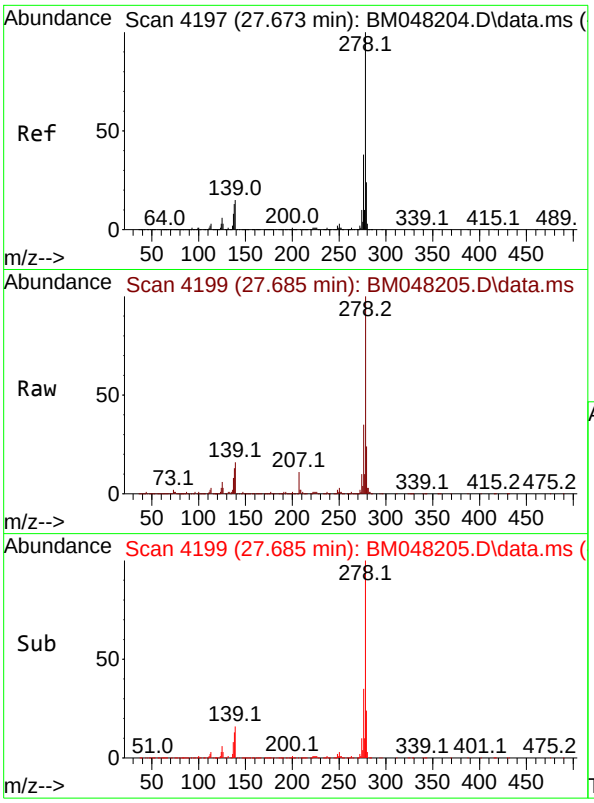


#90
Benzo(a)pyrene
Concen: 49.653 ng
RT: 24.162 min Scan# 3600
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:252 Resp: 2882375

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.7	8.8	13.2

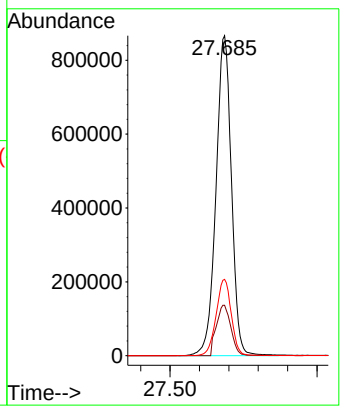




#91
Dibenzo(a,h)anthracene
Concen: 49.313 ng
RT: 27.685 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:278 Resp: 316243

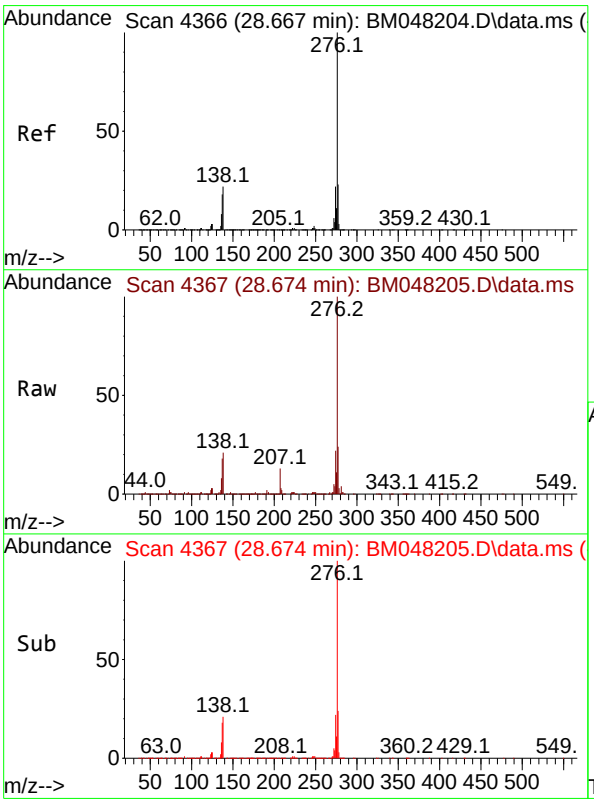
Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.2	18.4
279	23.9	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

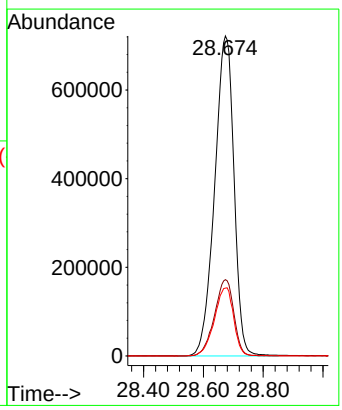
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 49.262 ng
RT: 28.674 min Scan# 4367
Delta R.T. 0.006 min
Lab File: BM048205.D
Acq: 23 Oct 2024 15:43

Tgt Ion:276 Resp: 3235003

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	21.2	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048206.D
Acq On : 23 Oct 2024 16:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:01:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	213308	20.000	ng		0.00
21) Naphthalene-d8	10.516	136	845508	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	524692	20.000	ng		0.00
64) Phenanthrene-d10	17.110	188	1031606	20.000	ng		0.00
76) Chrysene-d12	21.339	240	920634	20.000	ng		0.00
86) Perylene-d12	24.298	264	1096672	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.311	112	1516267	119.487	ng		0.00
7) Phenol-d6	6.911	99	1998893	120.953	ng		0.00
23) Nitrobenzene-d5	8.887	82	1814541	121.175	ng		0.00
42) 2,4,6-Tribromophenol	15.863	330	765993	119.271	ng		0.00
45) 2-Fluorobiphenyl	12.987	172	3968632	116.065	ng		0.00
79) Terphenyl-d14	19.739	244	5351052	118.615	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	287440	55.336	ng		100
3) Pyridine	3.605	79	816129m	59.244	ng		
4) n-Nitrosodimethylamine	3.517	42	343910	58.701	ng		97
6) Aniline	7.058	93	765197	55.780	ng		98
8) 2-Chlorophenol	7.293	128	828472	60.093	ng		99
9) Benzaldehyde	6.864	77	385048	47.346	ng		98
10) Phenol	6.934	94	1014075	60.990	ng		100
11) bis(2-Chloroethyl)ether	7.152	93	792300	59.826	ng		99
12) 1,3-Dichlorobenzene	7.611	146	929137	58.457	ng		99
13) 1,4-Dichlorobenzene	7.758	146	939860	58.205	ng		99
14) 1,2-Dichlorobenzene	8.075	146	902557	57.835	ng		99
15) Benzyl Alcohol	7.969	79	655353	62.159	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	1117708	57.701	ng		99
17) 2-Methylphenol	8.175	107	673247	60.936	ng		99
18) Hexachloroethane	8.799	117	346539	58.553	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	603817	57.752	ng		98
20) 3+4-Methylphenols	8.511	107	934744	61.073	ng		97
22) Acetophenone	8.552	105	1236220	59.909	ng	#	98
24) Nitrobenzene	8.928	77	931676	60.049	ng		98
25) Isophorone	9.458	82	1658506	60.423	ng		100
26) 2-Nitrophenol	9.634	139	464687	64.866	ng		99
27) 2,4-Dimethylphenol	9.705	122	540714	62.212	ng		99
28) bis(2-Chloroethoxy)met...	9.934	93	1052986	60.624	ng		99
29) 2,4-Dichlorophenol	10.169	162	784513	62.746	ng		98
30) 1,2,4-Trichlorobenzene	10.381	180	856452	59.810	ng		100
31) Naphthalene	10.563	128	2615200	59.304	ng		100
32) Benzoic acid	9.887	122	656855	67.603	ng		99
33) 4-Chloroaniline	10.687	127	851696	59.550	ng		99
34) Hexachlorobutadiene	10.852	225	524436	59.092	ng		98
35) Caprolactam	11.493	113	255784	63.078	ng		97
36) 4-Chloro-3-methylphenol	11.822	107	802032	61.449	ng		99
37) 2-Methylnaphthalene	12.181	142	1745511	59.243	ng		98
38) 1-Methylnaphthalene	12.404	142	1739869	59.551	ng		99
40) 1,2,4,5-Tetrachloroben...	12.557	216	898122	59.887	ng		99
41) Hexachlorocyclopentadiene	12.534	237	315653	62.199	ng		98
43) 2,4,6-Trichlorophenol	12.799	196	615400	61.835	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048206.D
Acq On : 23 Oct 2024 16:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:01:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	687320	61.930	ng	99
46) 1,1'-Biphenyl	13.199	154	2214876	59.125	ng	99
47) 2-Chloronaphthalene	13.240	162	1768723	59.881	ng	100
48) 2-Nitroaniline	13.451	65	515407	64.336	ng	97
49) Acenaphthylene	14.093	152	2585737	60.003	ng	99
50) Dimethylphthalate	13.834	163	2117080	59.105	ng	98
51) 2,6-Dinitrotoluene	13.951	165	498754	62.405	ng	99
52) Acenaphthene	14.434	154	1610256	58.809	ng	99
53) 3-Nitroaniline	14.281	138	478201	63.446	ng	97
54) 2,4-Dinitrophenol	14.493	184	308301	66.013	ng	99
55) Dibenzofuran	14.769	168	2531774	58.199	ng	99
56) 4-Nitrophenol	14.604	139	433042	64.376	ng	97
57) 2,4-Dinitrotoluene	14.746	165	675754	64.027	ng	97
58) Fluorene	15.416	166	1971801	57.321	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	545026	59.248	ng	99
60) Diethylphthalate	15.198	149	2157049	59.478	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	992124	57.683	ng	99
62) 4-Nitroaniline	15.445	138	525989	67.431	ng	99
63) Azobenzene	15.704	77	1945470	59.852	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	400388	66.892	ng	94
66) n-Nitrosodiphenylamine	15.628	169	1689317	59.652	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	627693	60.014	ng	98
68) Hexachlorobenzene	16.422	284	743574	59.192	ng	99
69) Atrazine	16.581	200	395758	49.945	ng	98
70) Pentachlorophenol	16.769	266	514399	62.371	ng	100
71) Phenanthrene	17.157	178	2997776	58.685	ng	99
72) Anthracene	17.245	178	2955818	59.774	ng	99
73) Carbazole	17.516	167	2949194	60.838	ng	100
74) Di-n-butylphthalate	18.081	149	3737076	61.934	ng	100
75) Fluoranthene	19.169	202	3595241	59.002	ng	100
77) Benzidine	19.357	184	280279	26.379	ng	99
78) Pyrene	19.533	202	3782501	61.383	ng	100
80) Butylbenzylphthalate	20.427	149	1690485	65.604	ng	96
81) Benzo(a)anthracene	21.322	228	3575078	60.769	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	1197448	59.423	ng	99
83) Chrysene	21.380	228	3380456	59.863	ng	99
84) Bis(2-ethylhexyl)phtha...	21.245	149	2392105	63.872	ng	100
85) Di-n-octyl phthalate	22.357	149	4298676	66.272	ng	100
87) Indeno(1,2,3-cd)pyrene	27.633	276	4458137	61.475	ng	100
88) Benzo(b)fluoranthene	23.368	252	3758579	59.775	ng	99
89) Benzo(k)fluoranthene	23.427	252	3695770	60.791	ng	99
90) Benzo(a)pyrene	24.163	252	3349705	61.276	ng	100
91) Dibenzo(a,h)anthracene	27.686	278	3679845	60.934	ng	100
92) Benzo(g,h,i)perylene	28.680	276	3803274	61.502	ng	99

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

ICAL Form

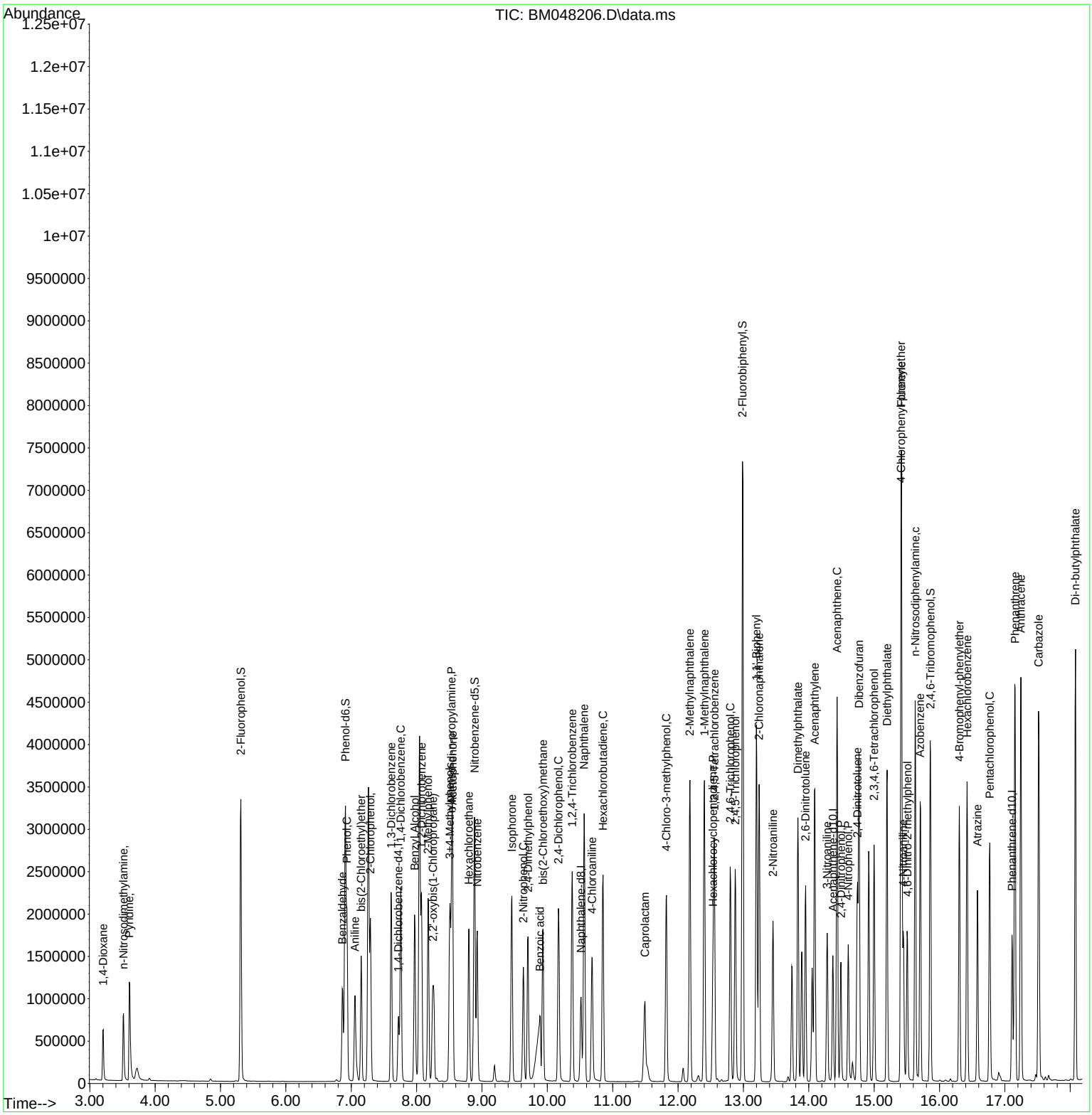
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Data File : BM048206.D
Acq On : 23 Oct 2024 16:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 23 18:01:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

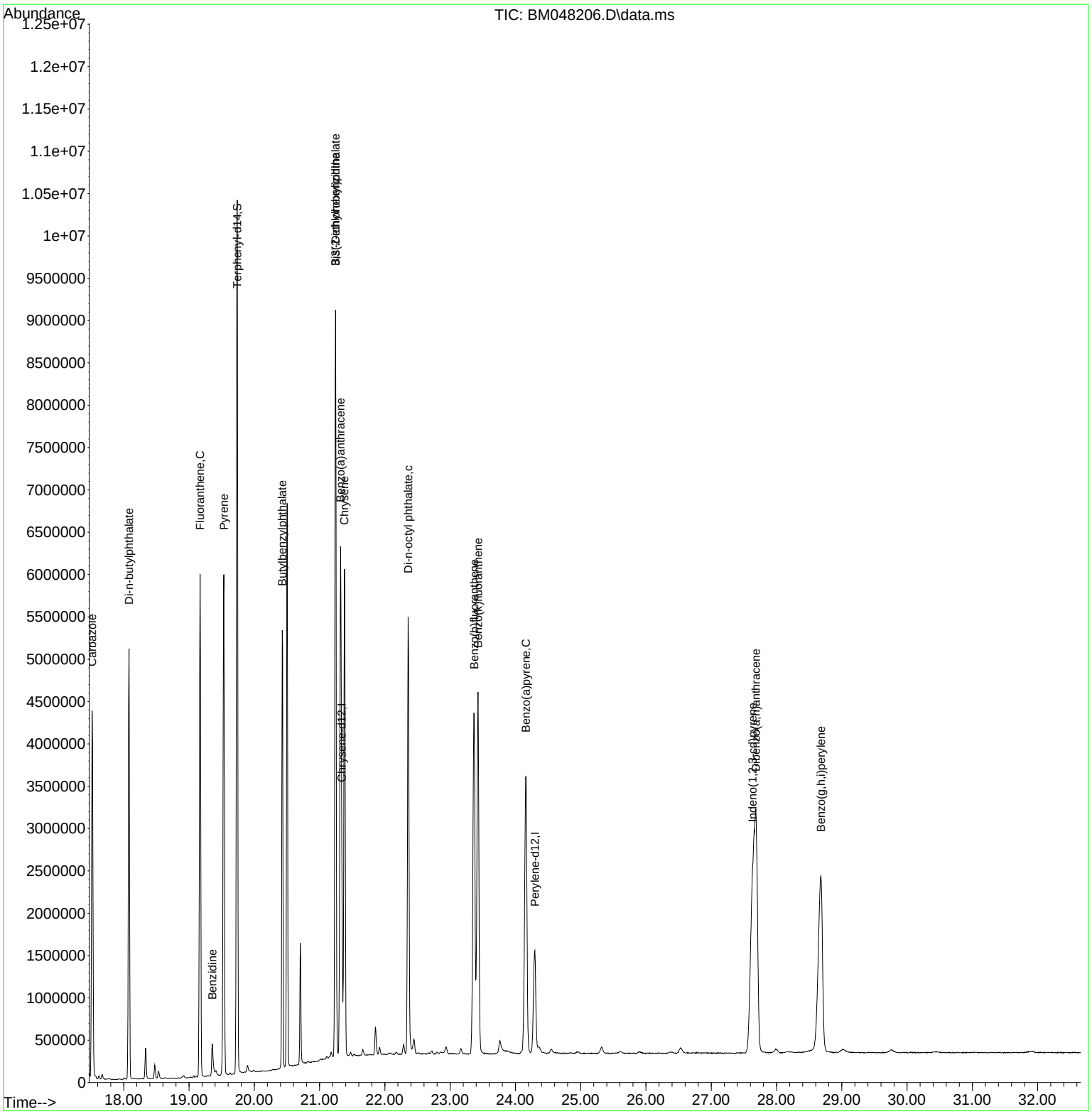
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Data File : BM048206.D
Acq On : 23 Oct 2024 16:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

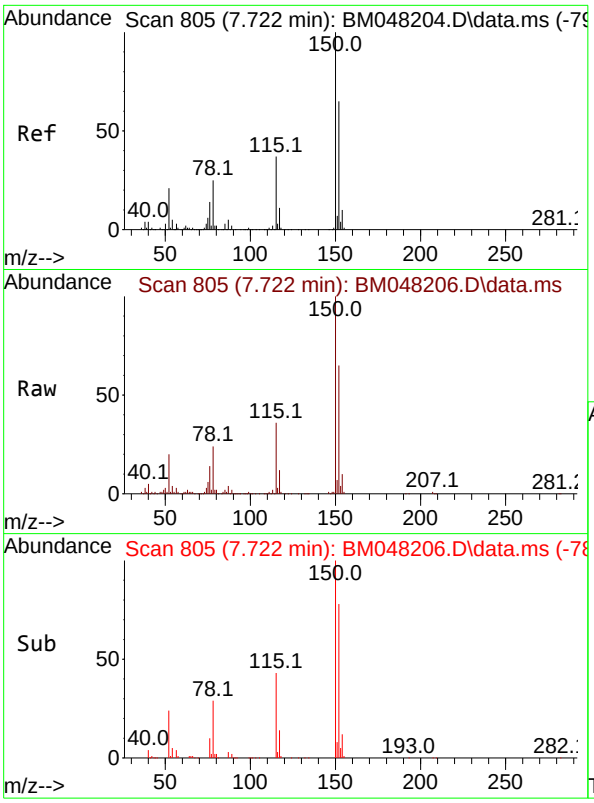
Quant Time: Oct 23 18:01:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

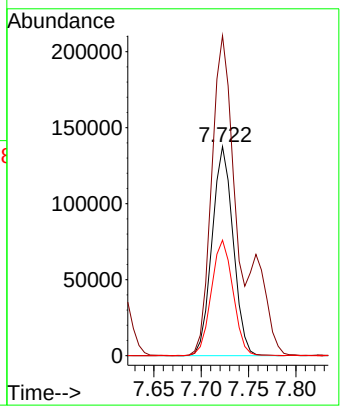




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:152 Resp: 21330

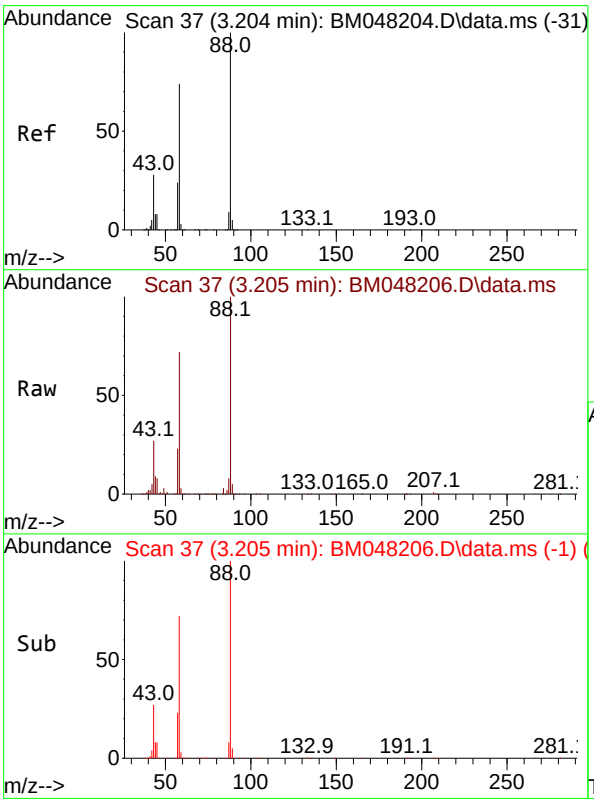
Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.0	184.6
115	55.2	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

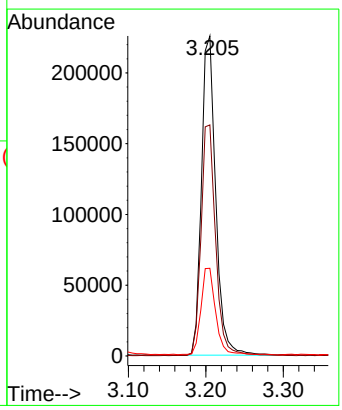
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

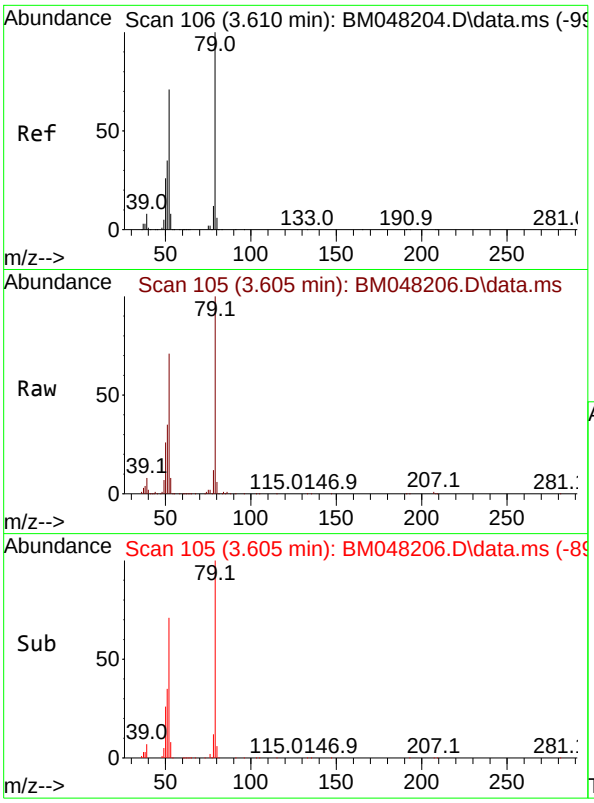


#2
1,4-Dioxane
Concen: 55.336 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 88 Resp: 287440

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.7	89.5
43	28.2	22.6	33.8

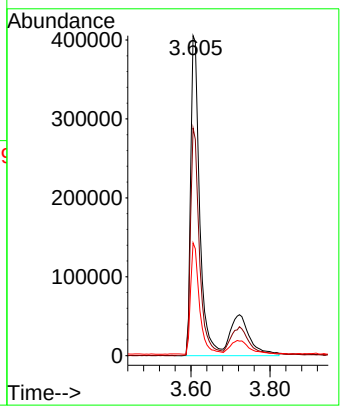




#3
Pyridine
Concen: 59.244 ng m
RT: 3.605 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 79 Resp: 81612(

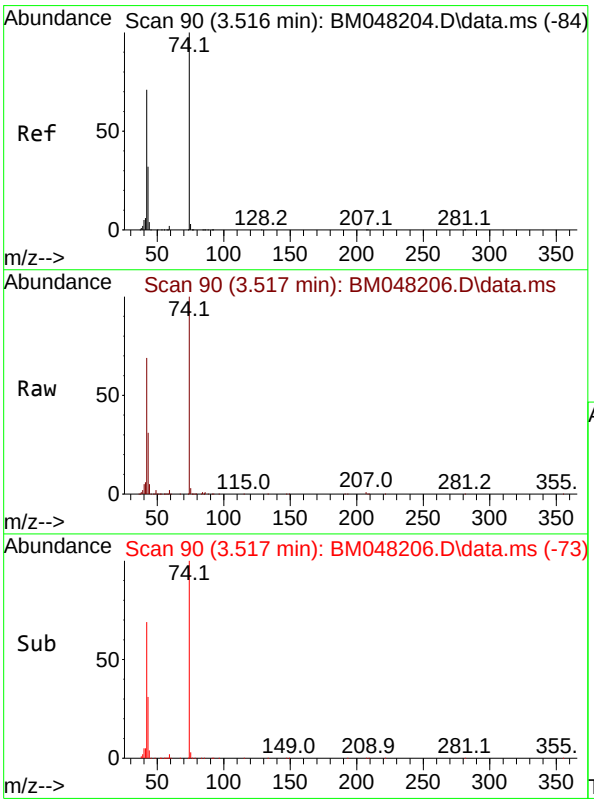
Ion	Ratio	Lower	Upper
79	100		
52	71.2	56.5	84.7
51	35.3	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

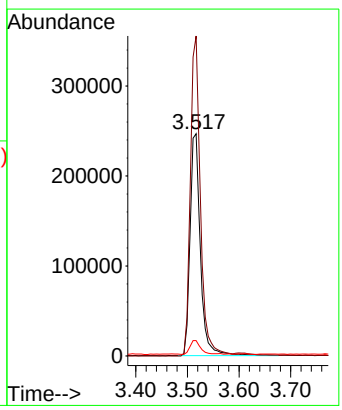
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

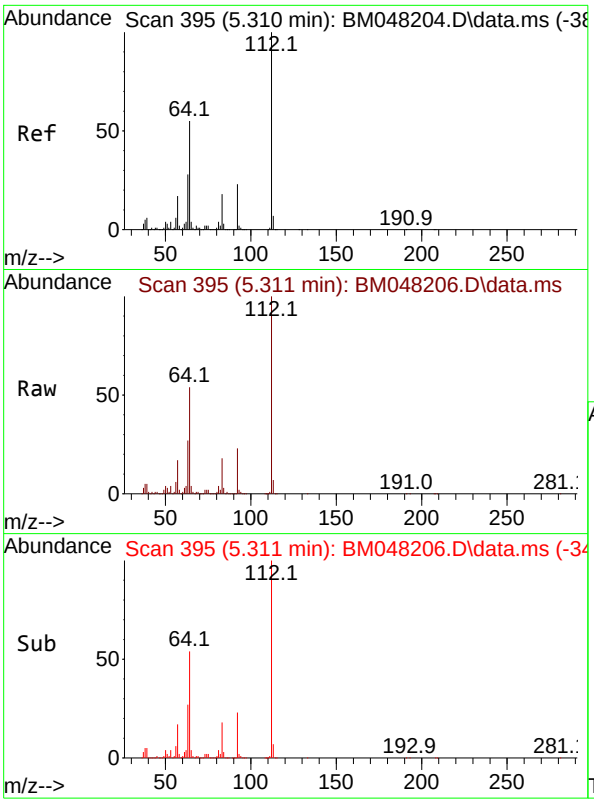


#4
n-Nitrosodimethylamine
Concen: 58.701 ng
RT: 3.517 min Scan# 90
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 42 Resp: 343910

Ion	Ratio	Lower	Upper
42	100		
74	144.0	111.8	167.6
44	6.9	6.0	9.0





#5
2-Fluorophenol
Concen: 119.487 ng
RT: 5.311 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

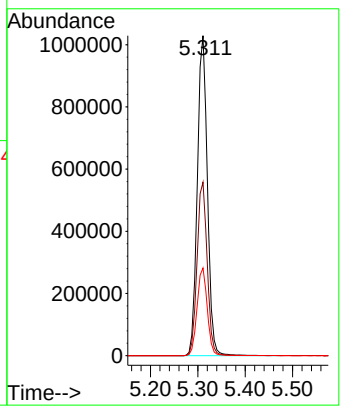
Tgt Ion:112 Resp: 151626

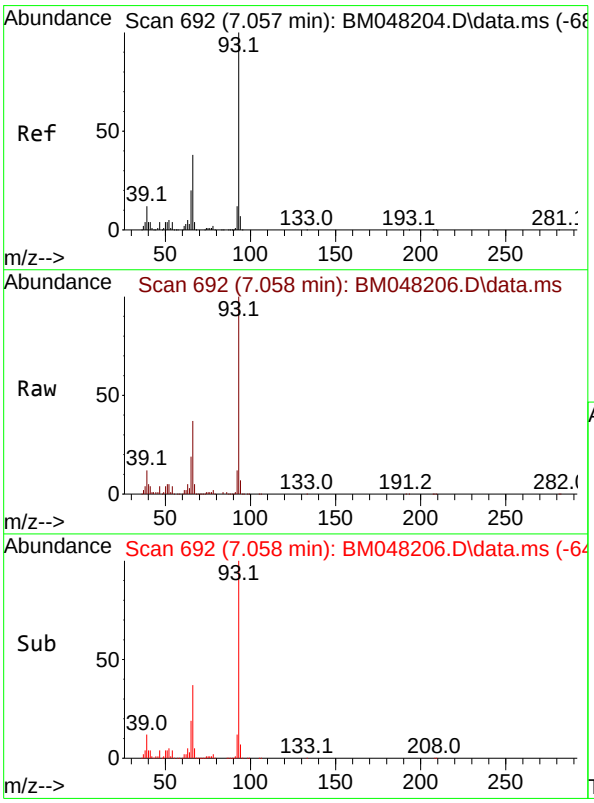
Ion	Ratio	Lower	Upper
112	100		
64	54.2	44.2	66.2
63	27.4	22.7	34.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

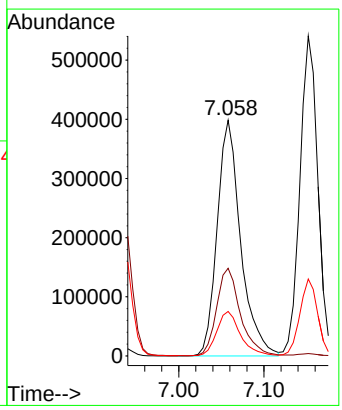


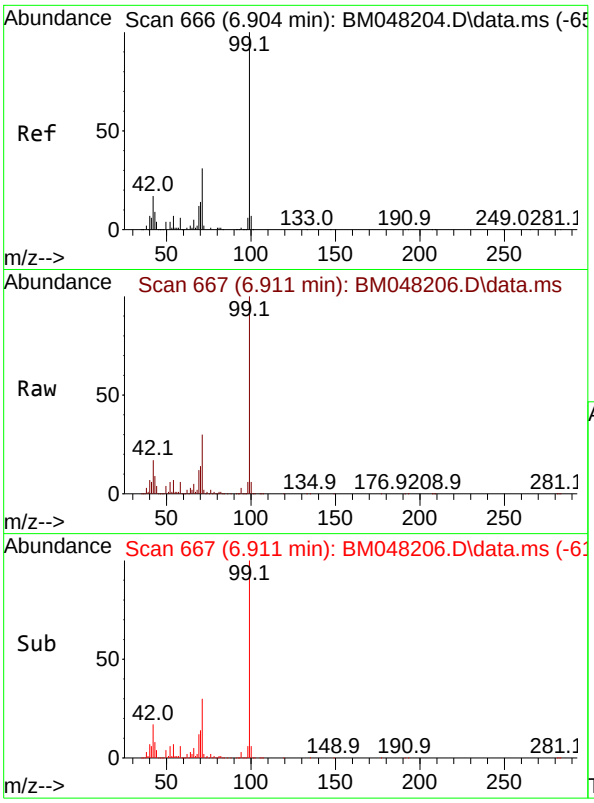


#6
Aniline
Concen: 55.780 ng
RT: 7.058 min Scan# 692
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 93 Resp: 765197

Ion	Ratio	Lower	Upper
93	100		
66	37.2	30.2	45.2
65	18.9	16.2	24.2





#7
Phenol-d6
Concen: 120.953 ng
RT: 6.911 min Scan# 6
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

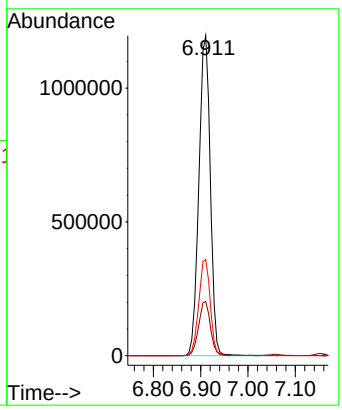
Tgt Ion: 99 Resp: 199889

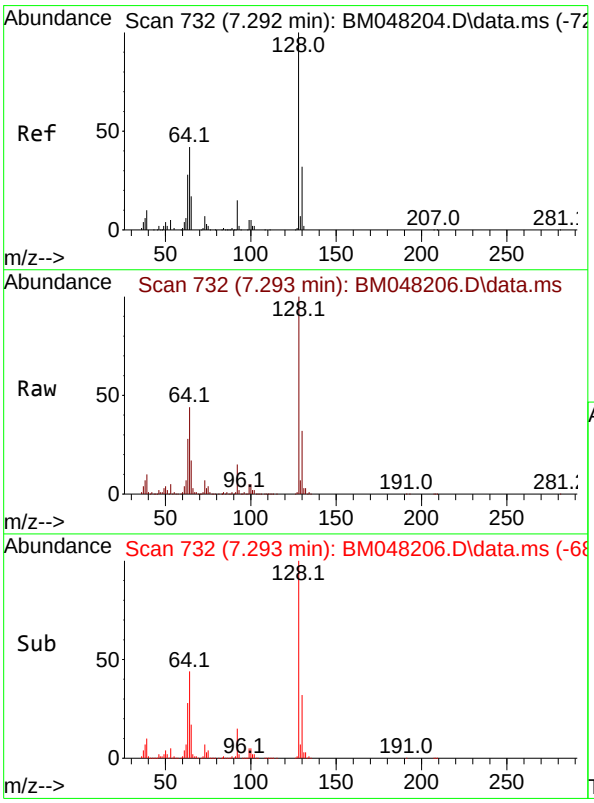
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.8
71	30.0	24.9	37.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 10/24/2024
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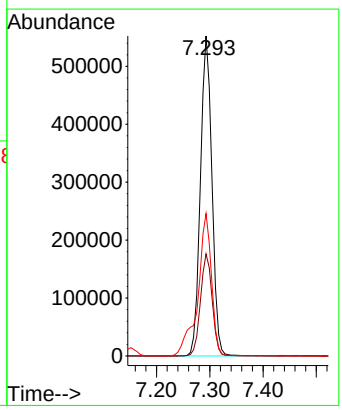


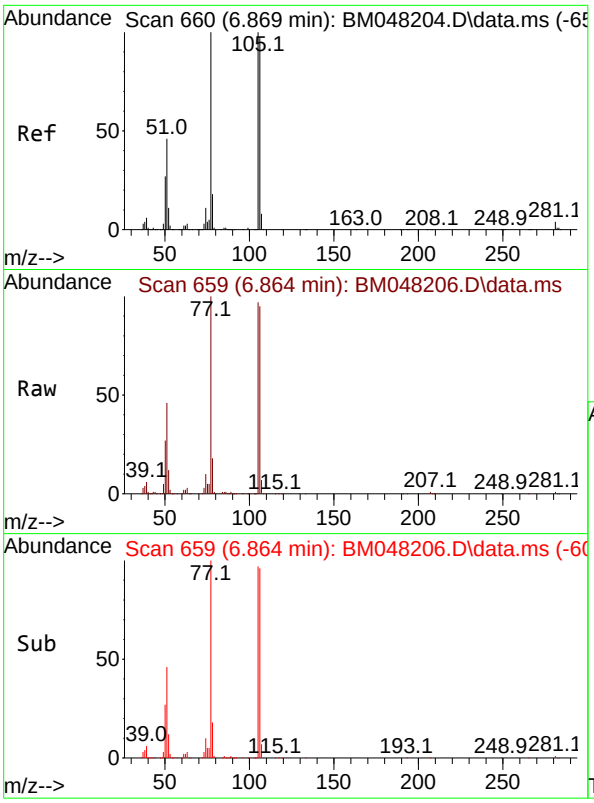


#8
2-Chlorophenol
Concen: 60.093 ng
RT: 7.293 min Scan# 732
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:128 Resp: 828472

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.1	52.1
64	44.5	23.8	63.8

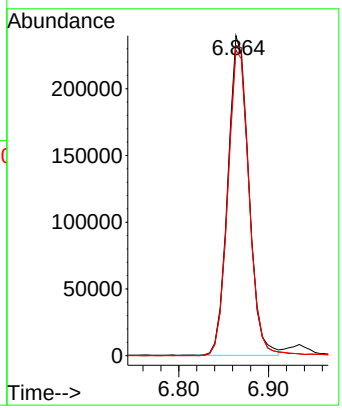




#9
Benzaldehyde
Concen: 47.346 ng
RT: 6.864 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 77 Resp: 38504

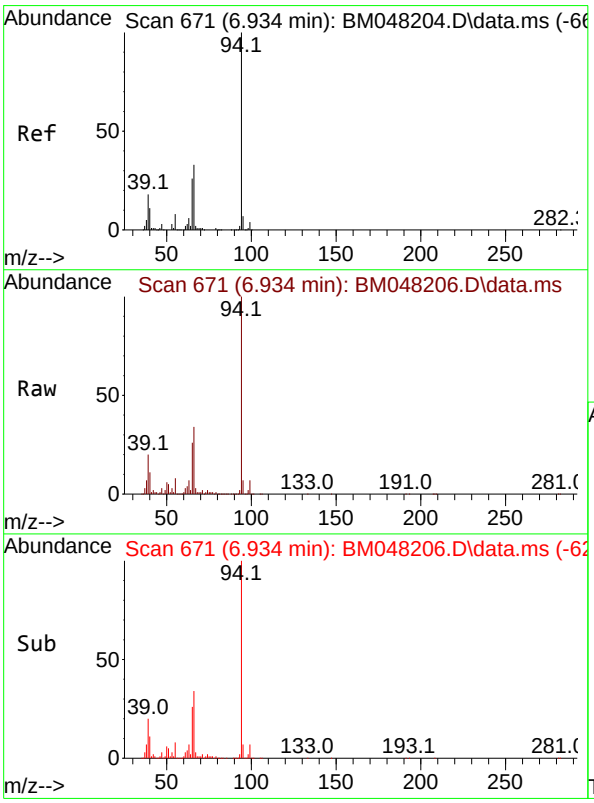
Ion	Ratio	Lower	Upper
77	100		
105	96.9	79.6	119.6
106	95.4	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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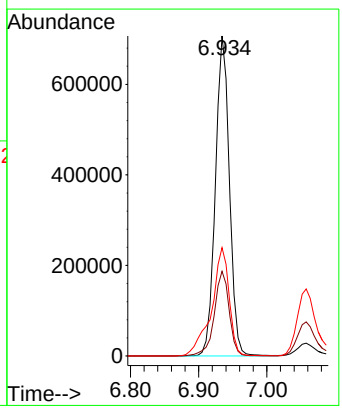
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

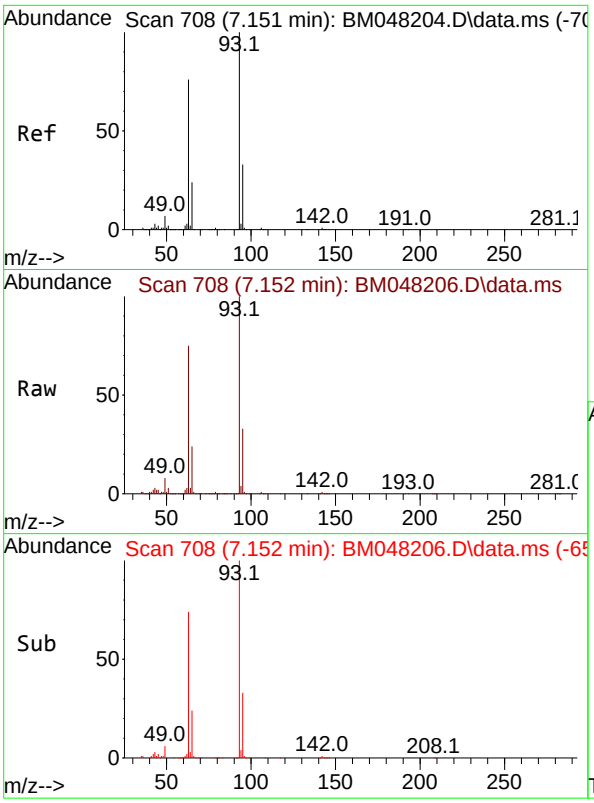


#10
Phenol
Concen: 60.990 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 94 Resp: 1014075

Ion	Ratio	Lower	Upper
94	100		
65	26.4	6.5	46.5
66	33.9	13.6	53.6

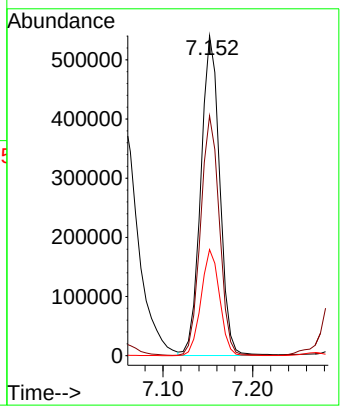




#11
bis(2-Chloroethyl)ether
Concen: 59.826 ng
RT: 7.152 min Scan# 7(
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 93 Resp: 79230(

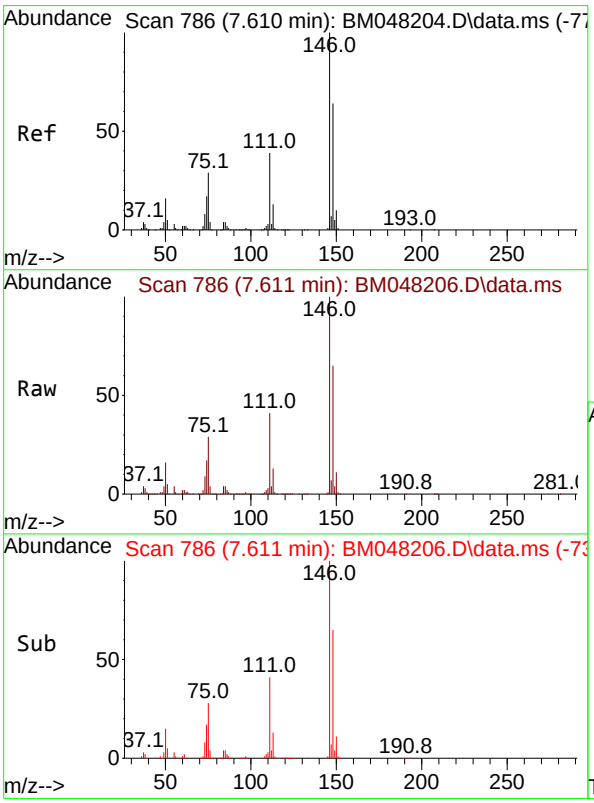
Ion	Ratio	Lower	Upper
93	100		
63	75.0	55.3	95.3
95	33.2	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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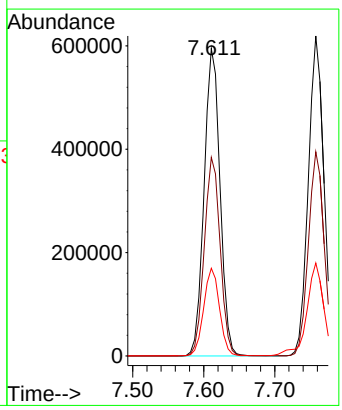
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

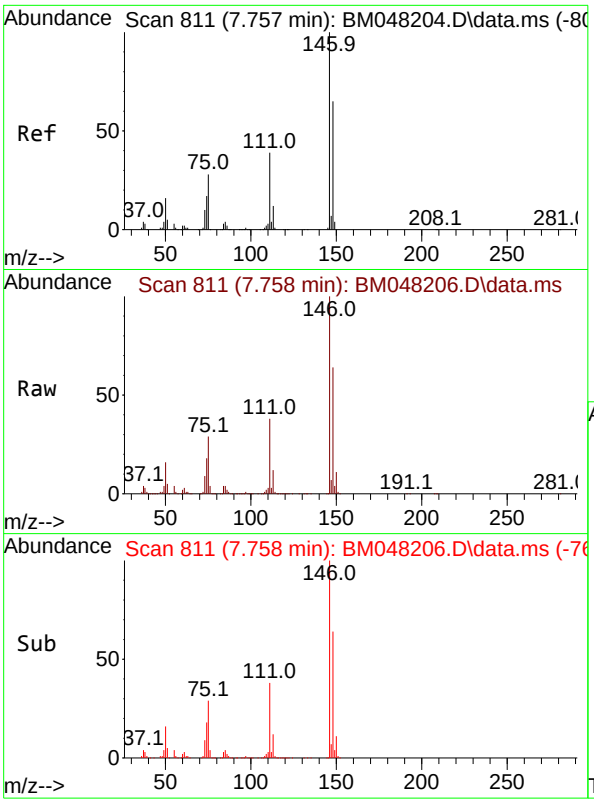


#12
1,3-Dichlorobenzene
Concen: 58.457 ng
RT: 7.611 min Scan# 786
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:146 Resp: 929137

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.6
75	28.5	22.9	34.3

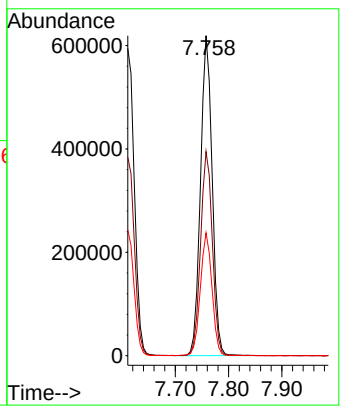




#13
1,4-Dichlorobenzene
Concen: 58.205 ng
RT: 7.758 min Scan# 81
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:146 Resp: 93986

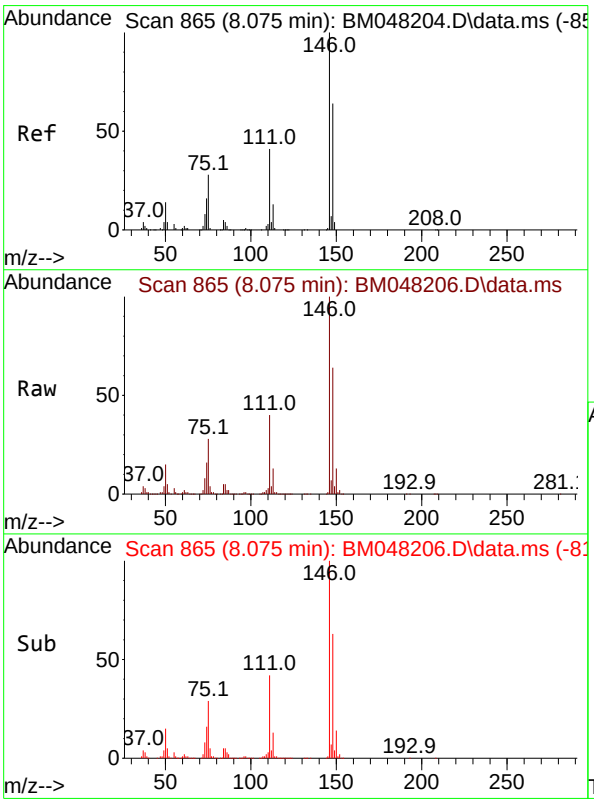
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.7	77.5
111	38.4	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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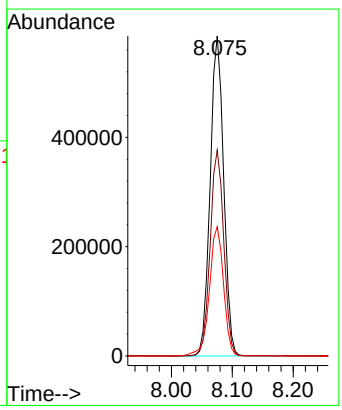
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

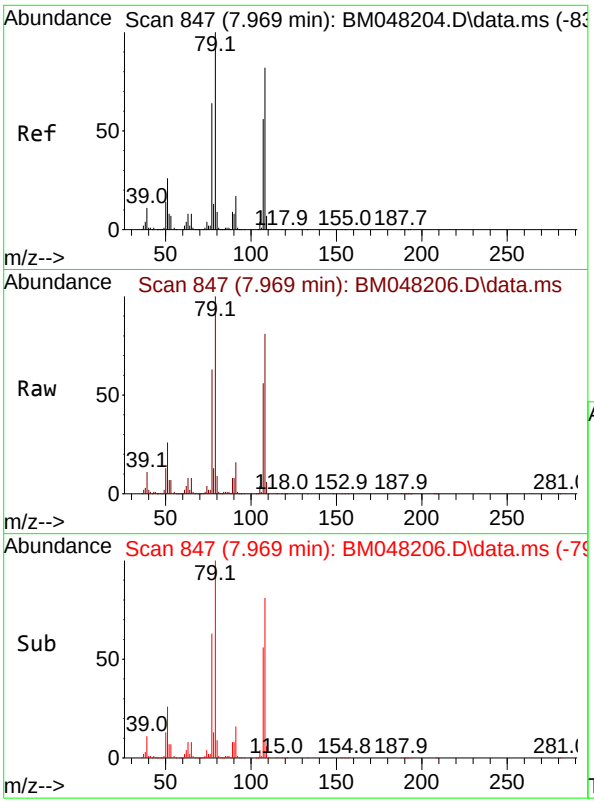


#14
1,2-Dichlorobenzene
Concen: 57.835 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:146 Resp: 902557

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.3	76.9
111	40.4	32.7	49.1

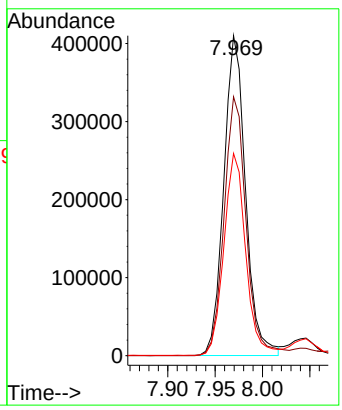




#15
Benzyl Alcohol
Concen: 62.159 ng
RT: 7.969 min Scan# 84
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 79 Resp: 65535

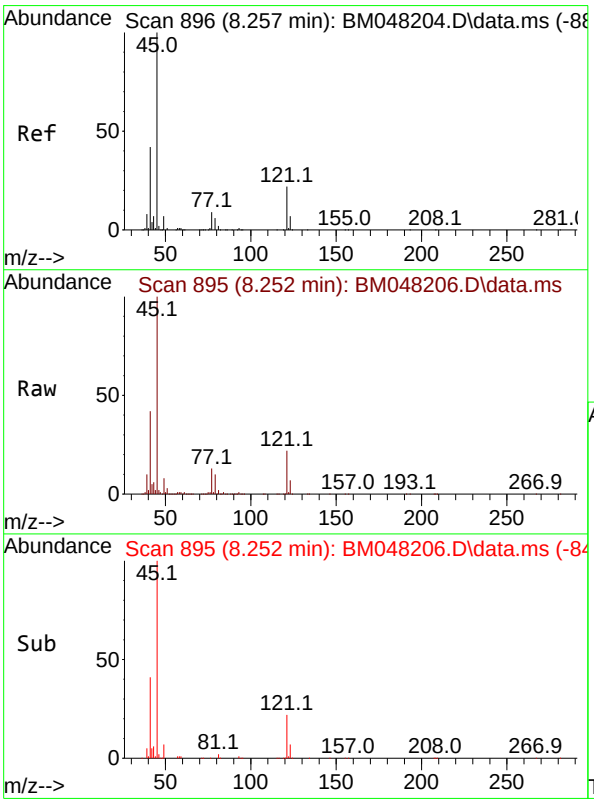
Ion	Ratio	Lower	Upper
79	100		
108	80.9	65.2	97.8
77	63.2	51.4	77.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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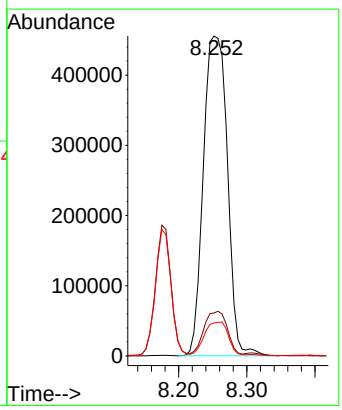
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

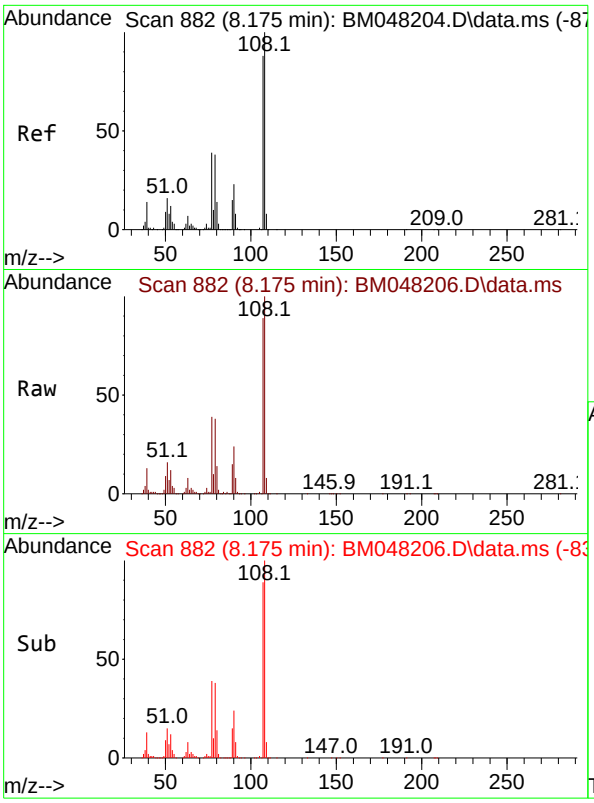


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.701 ng
RT: 8.252 min Scan# 895
Delta R.T. -0.005 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 45 Resp: 1117708

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	34.2
79	10.3	0.0	30.7

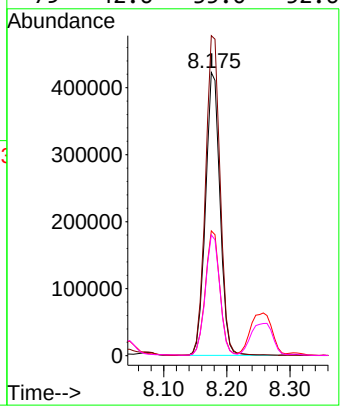




#17
2-Methylphenol
Concen: 60.936 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:107 Resp: 67324

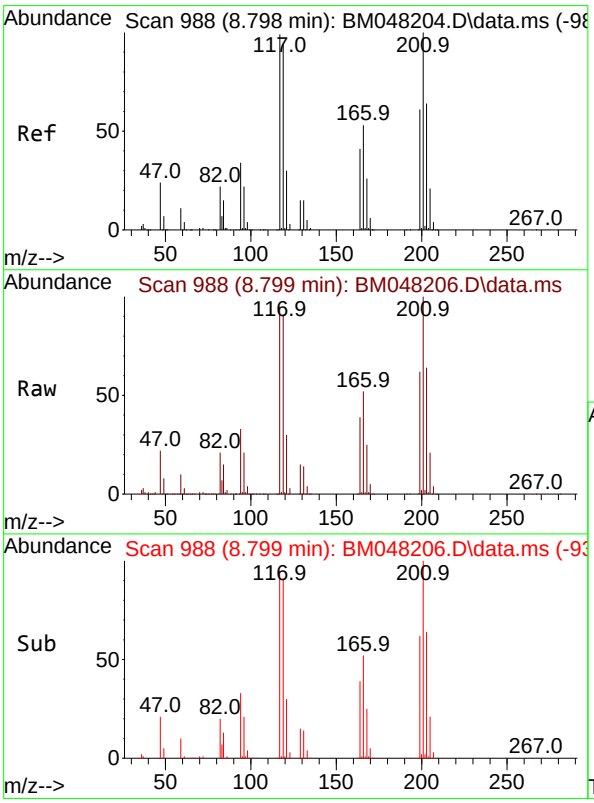
Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.3	136.9
77	44.0	36.2	54.2
79	42.6	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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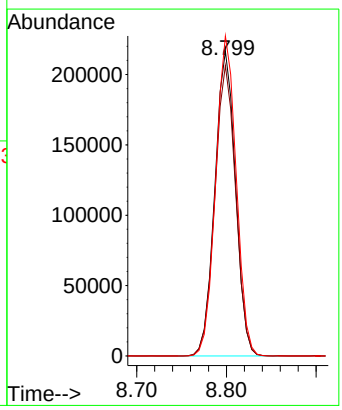
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

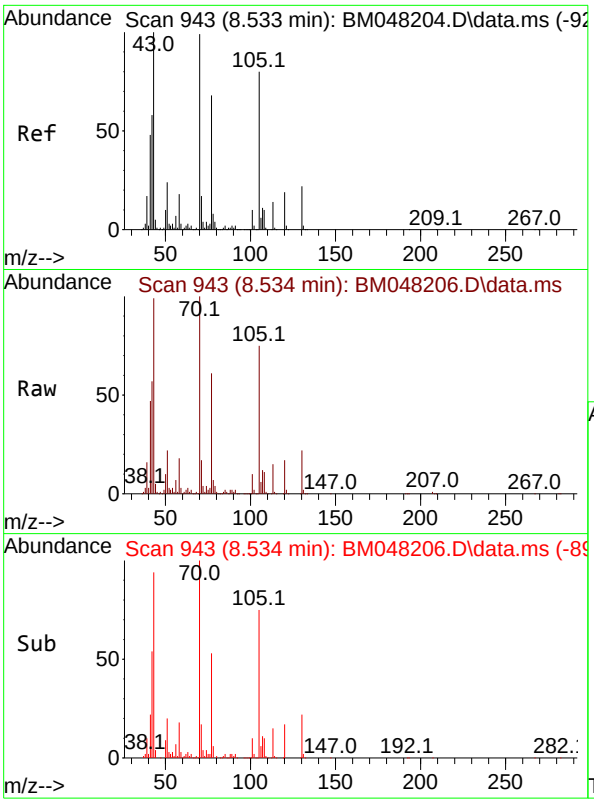


#18
Hexachloroethane
Concen: 58.553 ng
RT: 8.799 min Scan# 988
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:117 Resp: 346539

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.5	114.7
201	105.1	80.9	121.3

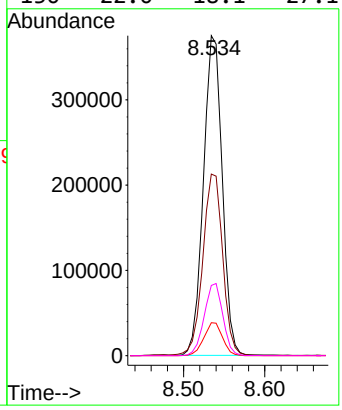




#19
n-Nitroso-di-n-propylamine
Concen: 57.752 ng
RT: 8.534 min Scan# 94
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 70 Resp: 60381

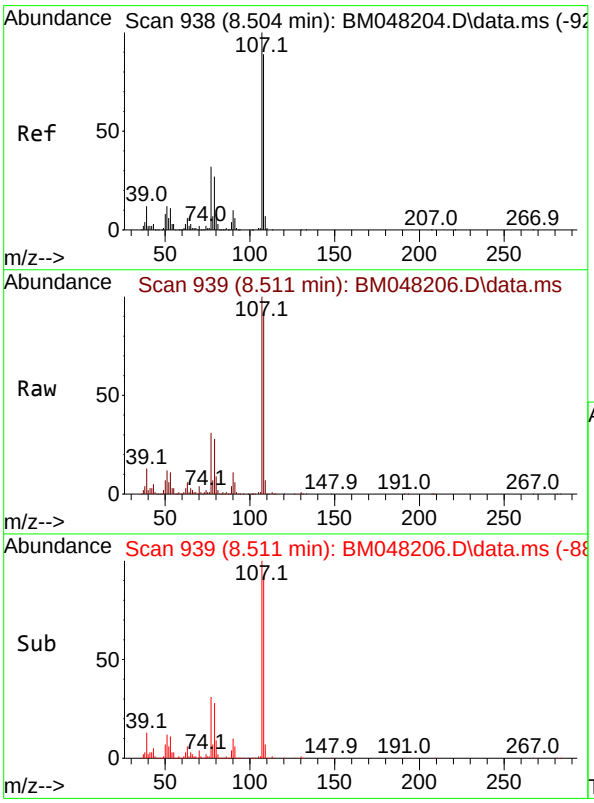
Ion	Ratio	Lower	Upper
70	100		
42	56.8	47.0	70.6
101	10.3	7.8	11.6
130	22.0	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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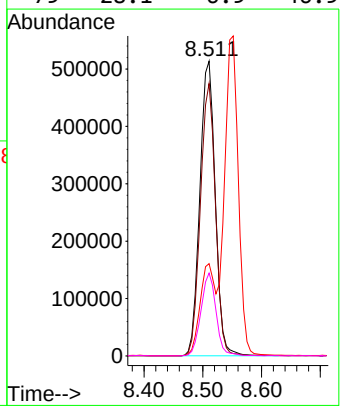
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

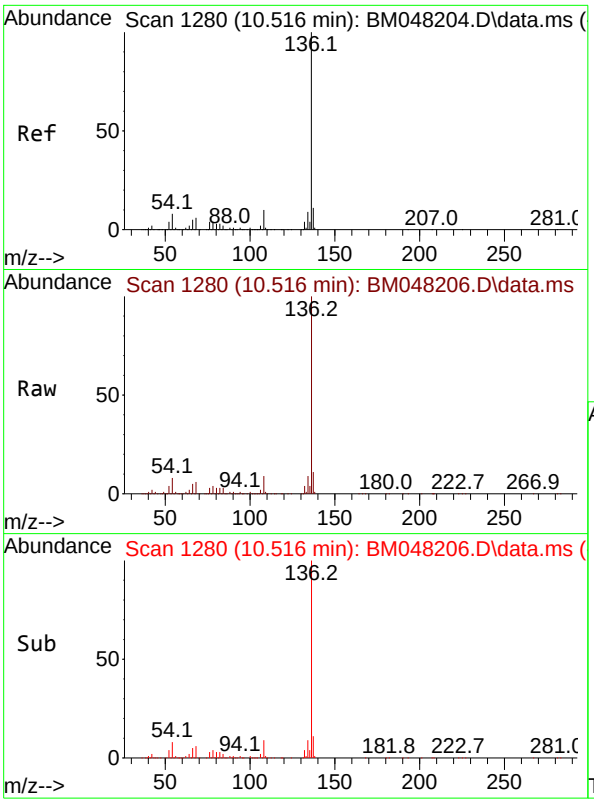


#20
3+4-Methylphenols
Concen: 61.073 ng
RT: 8.511 min Scan# 939
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:107 Resp: 934744

Ion	Ratio	Lower	Upper
107	100		
108	92.4	69.0	109.0
77	31.3	12.3	52.3
79	28.1	6.9	46.9

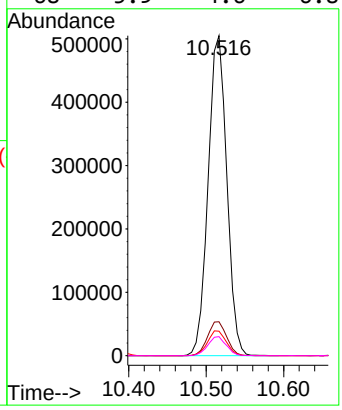




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:136 Resp: 84550

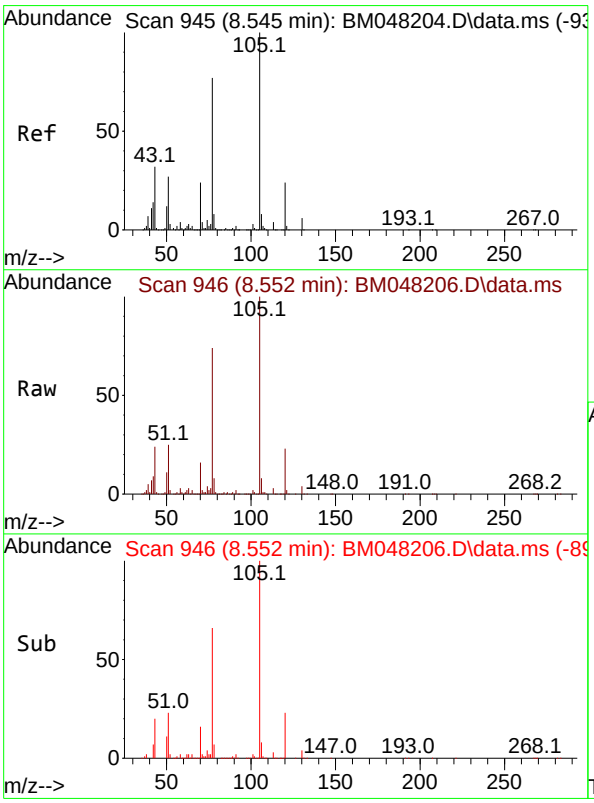
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.7	6.5	9.7
68	5.9	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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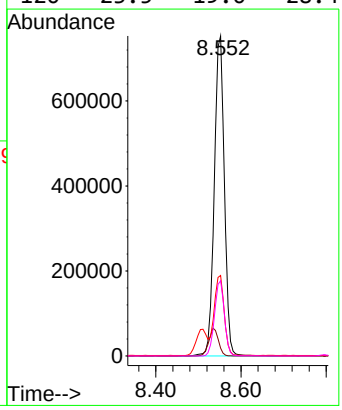
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

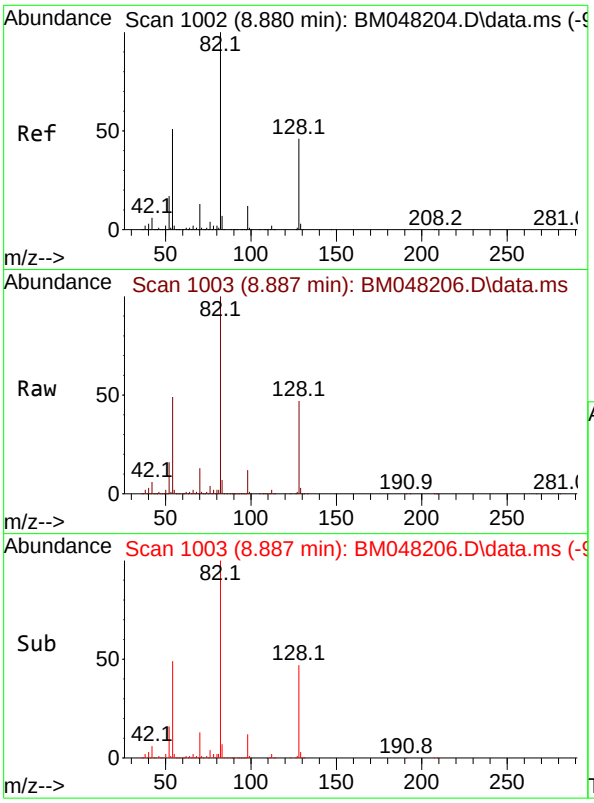


#22
Acetophenone
Concen: 59.909 ng
RT: 8.552 min Scan# 946
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:105 Resp: 1236220

Ion	Ratio	Lower	Upper
105	100		
71	2.5	3.4	5.0#
51	25.1	21.7	32.5
120	23.5	19.0	28.4

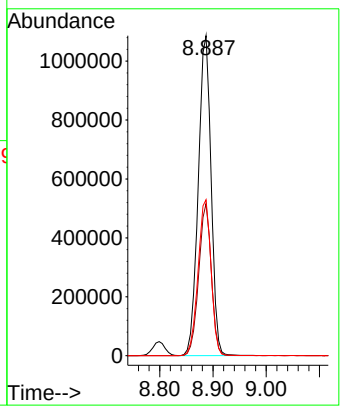




#23
Nitrobenzene-d5
Concen: 121.175 ng
RT: 8.887 min Scan# 1(
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 82 Resp: 181454

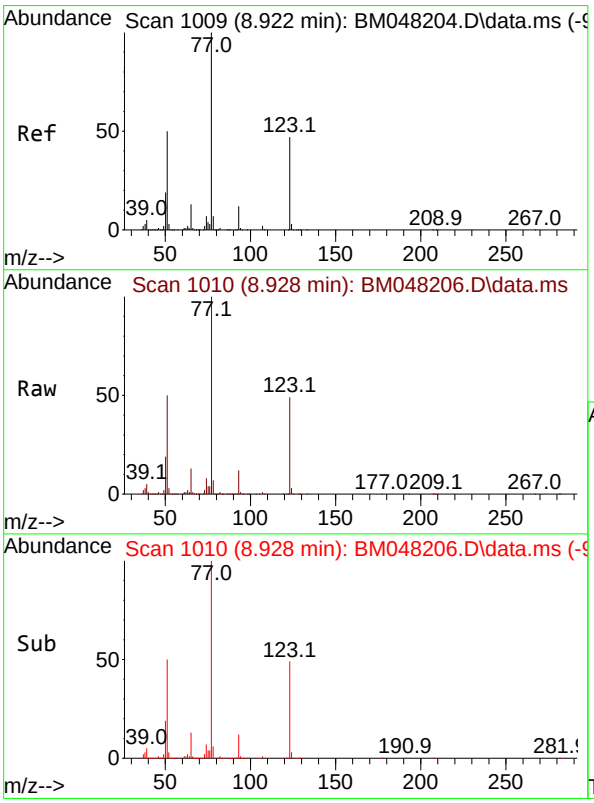
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.6	54.8
54	48.7	41.0	61.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

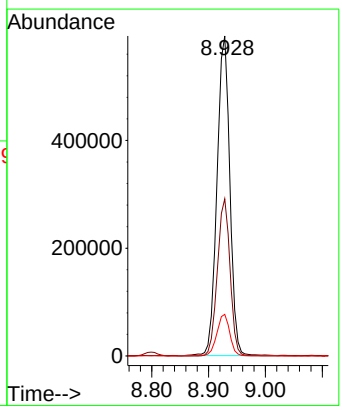
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

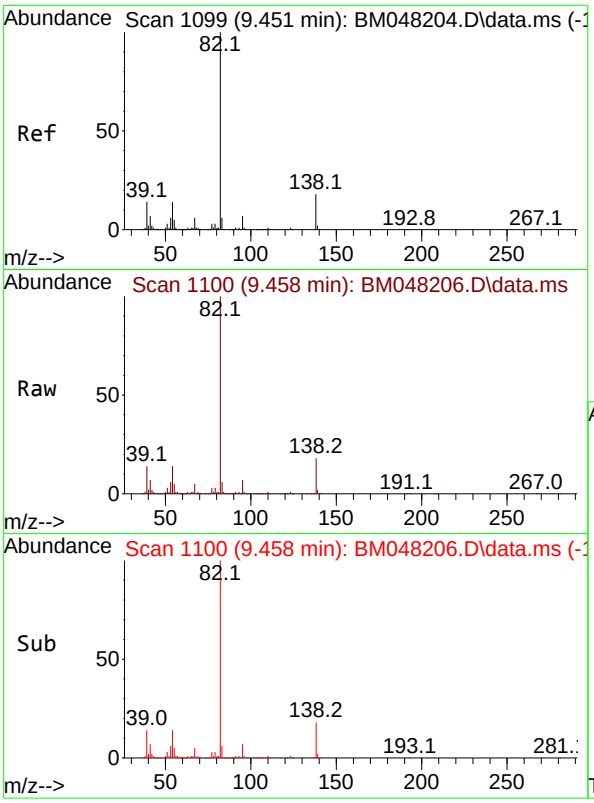


#24
Nitrobenzene
Concen: 60.049 ng
RT: 8.928 min Scan# 1010
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 77 Resp: 931676

Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.8	56.6
65	13.0	10.4	15.6

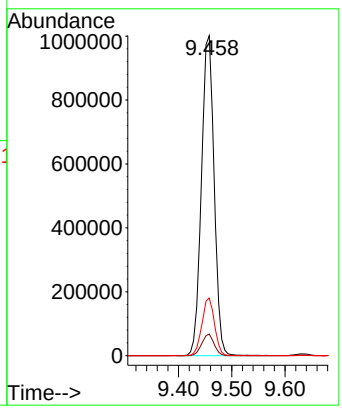




#25
Isophorone
Concen: 60.423 ng
RT: 9.458 min Scan# 1
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 82 Resp: 165850

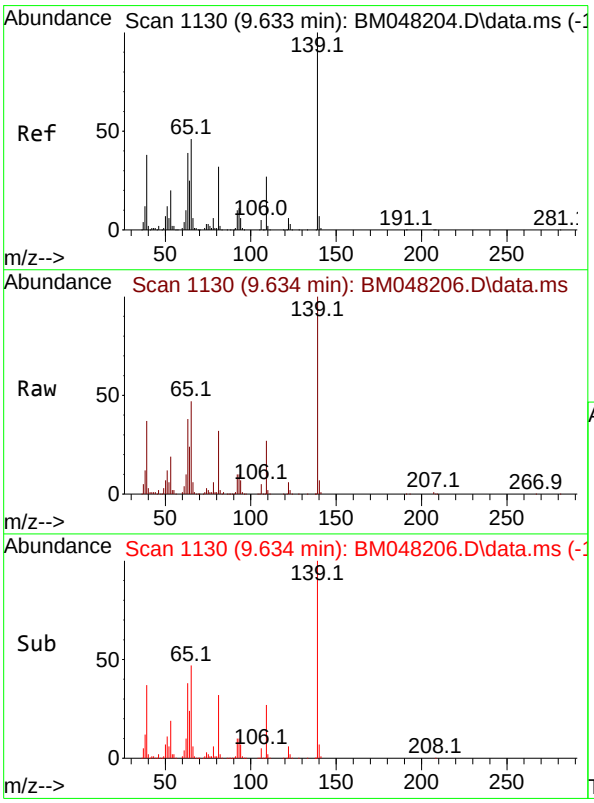
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.0	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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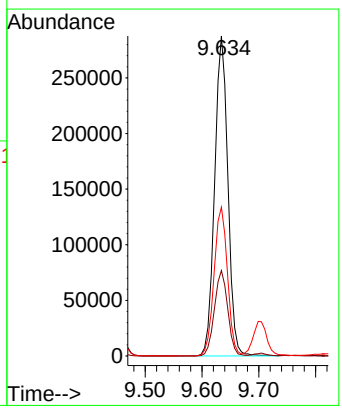
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

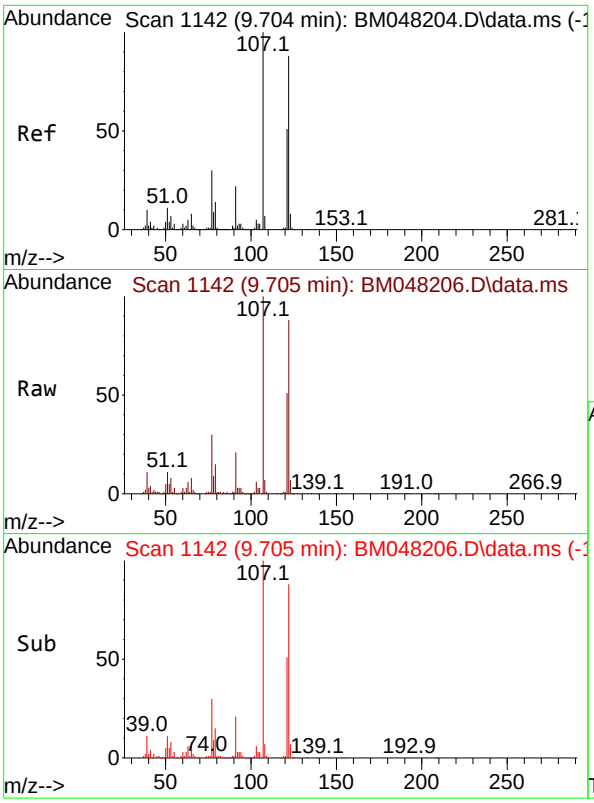


#26
2-Nitrophenol
Concen: 64.866 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:139 Resp: 464687

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.2	31.8
65	46.5	36.8	55.2

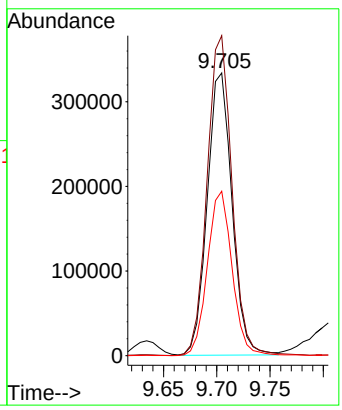




#27
2,4-Dimethylphenol
Concen: 62.212 ng
RT: 9.705 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:122 Resp: 54071

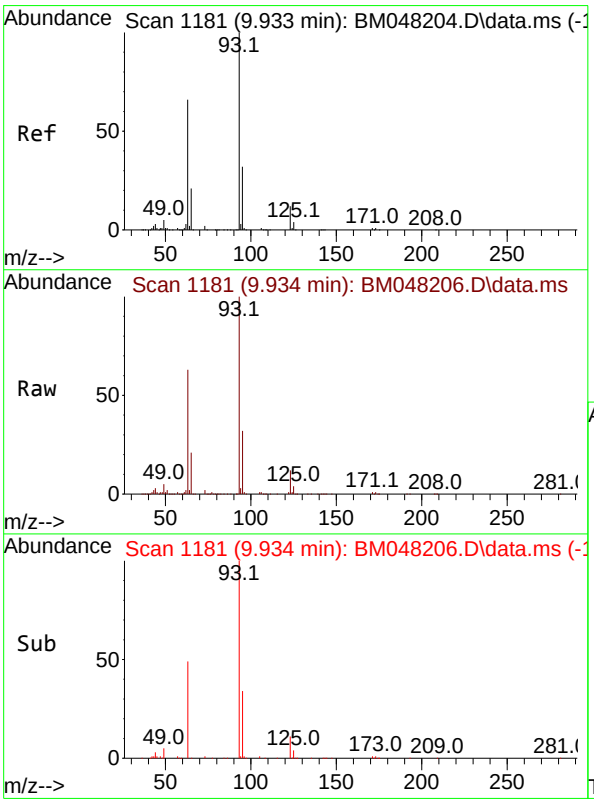
Ion	Ratio	Lower	Upper
122	100		
107	113.2	91.0	136.6
121	58.2	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

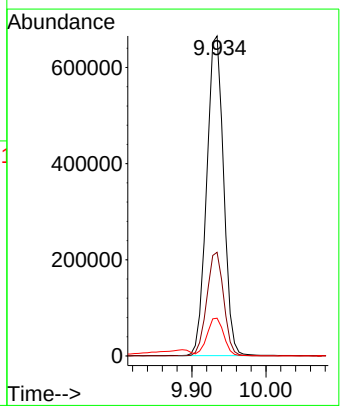
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

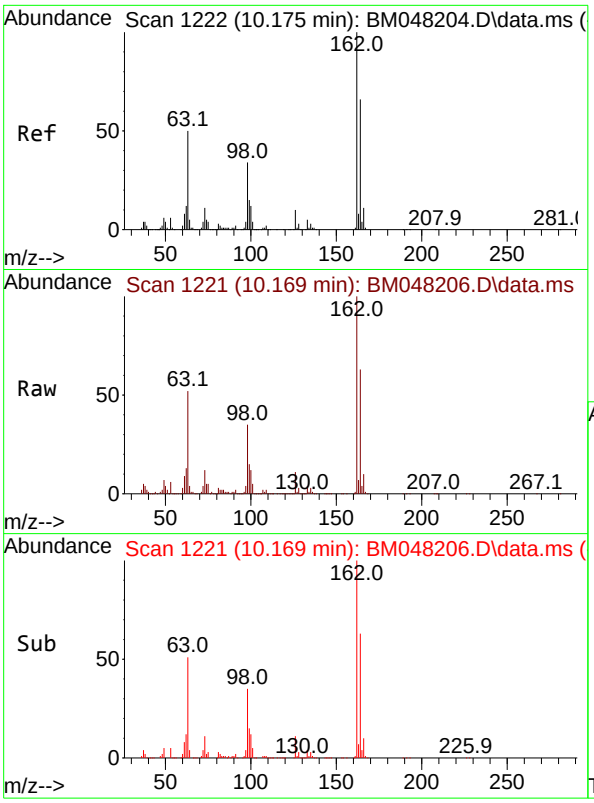


#28
bis(2-Chloroethoxy)methane
Concen: 60.624 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 93 Resp: 1052986

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.3	37.9
123	11.8	9.8	14.6

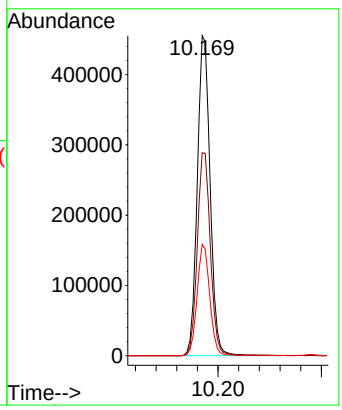




#29
2,4-Dichlorophenol
Concen: 62.746 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:162 Resp: 78451

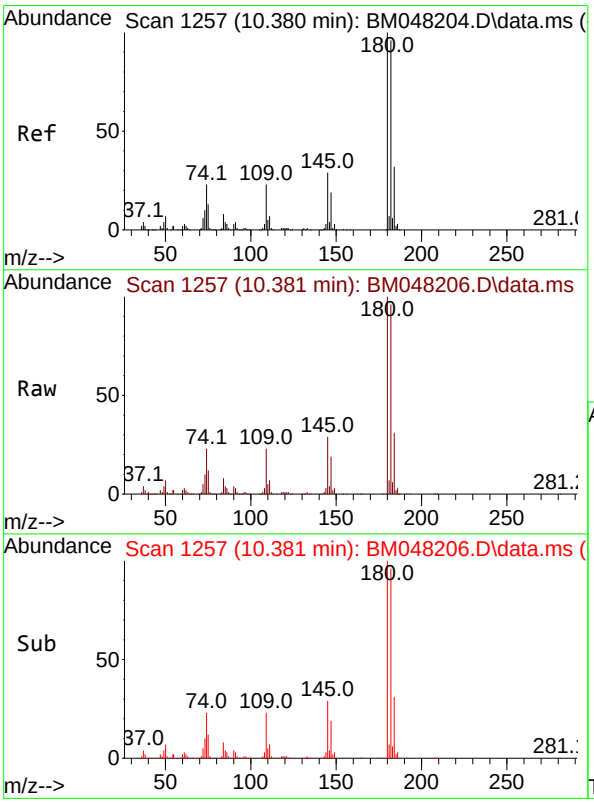
Ion	Ratio	Lower	Upper
162	100		
164	63.4	46.0	86.0
98	34.8	14.4	54.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

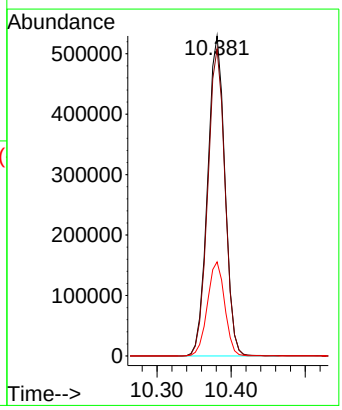
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

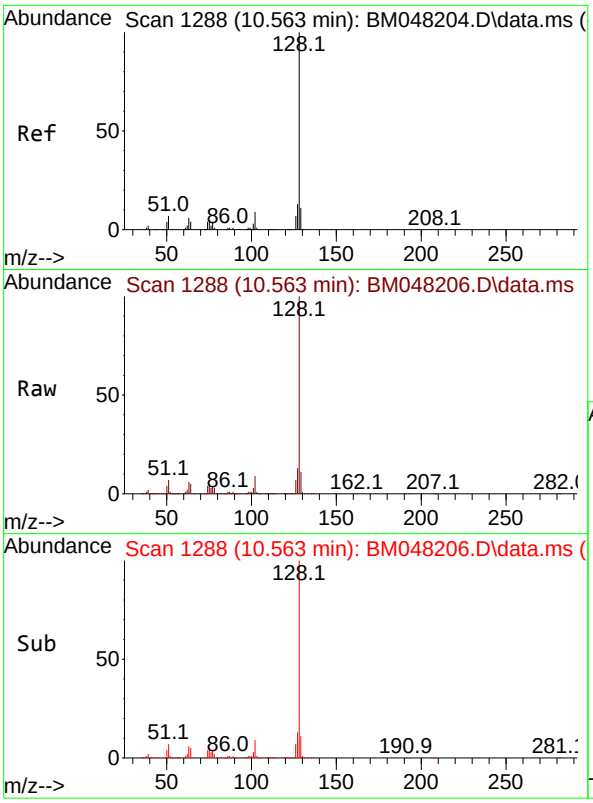


#30
1,2,4-Trichlorobenzene
Concen: 59.810 ng
RT: 10.381 min Scan# 1257
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:180 Resp: 856452

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	29.4	23.4	35.2

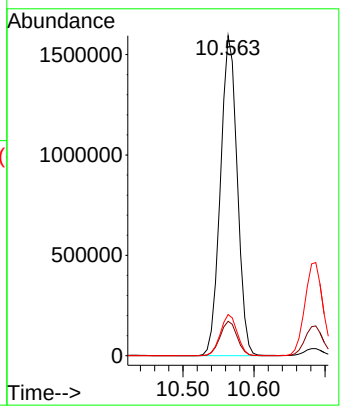




#31
Naphthalene
Concen: 59.304 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:128 Resp: 261520

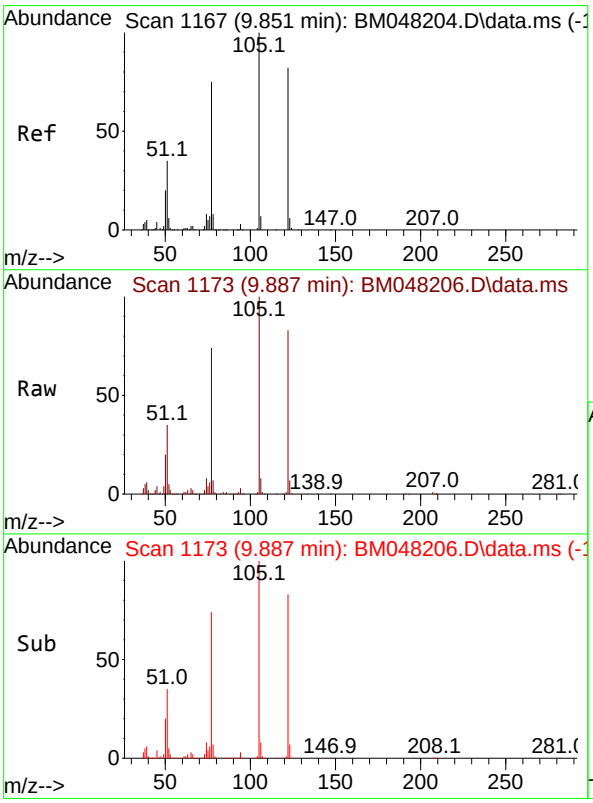
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.8	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

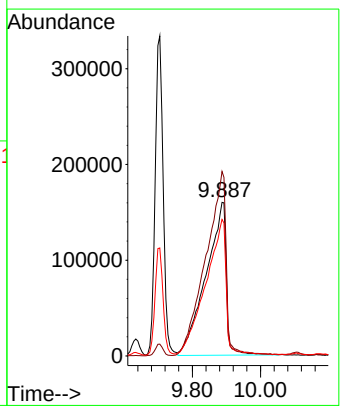
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

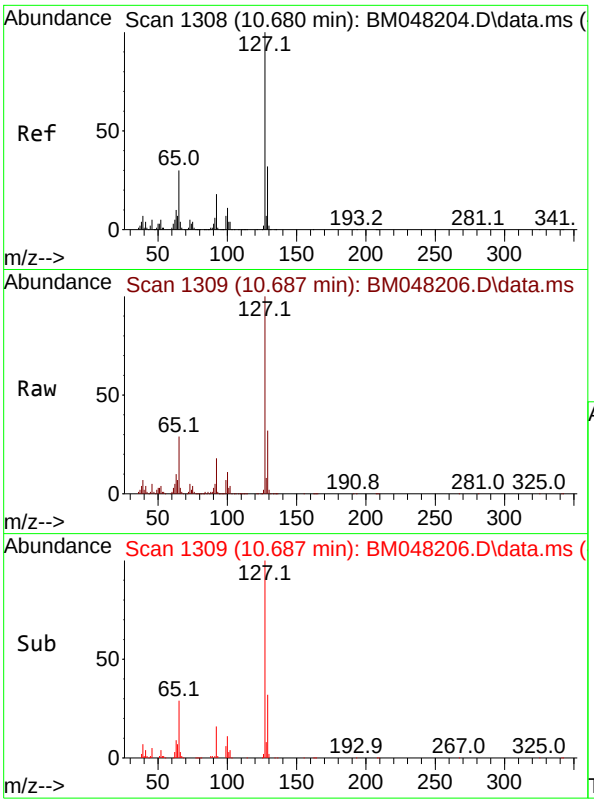


#32
Benzoic acid
Concen: 67.603 ng
RT: 9.887 min Scan# 1173
Delta R.T. 0.036 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:122 Resp: 656855

Ion	Ratio	Lower	Upper
122	100		
105	120.1	99.3	139.3
77	88.8	70.4	110.4

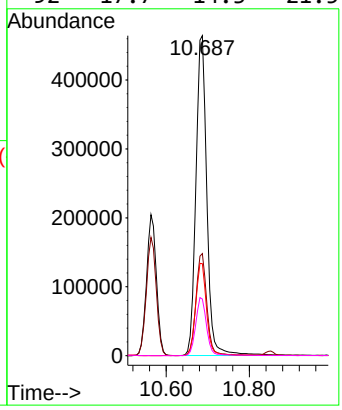




#33
4-Chloroaniline
Concen: 59.550 ng
RT: 10.687 min Scan# 1
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:127 Resp: 85169

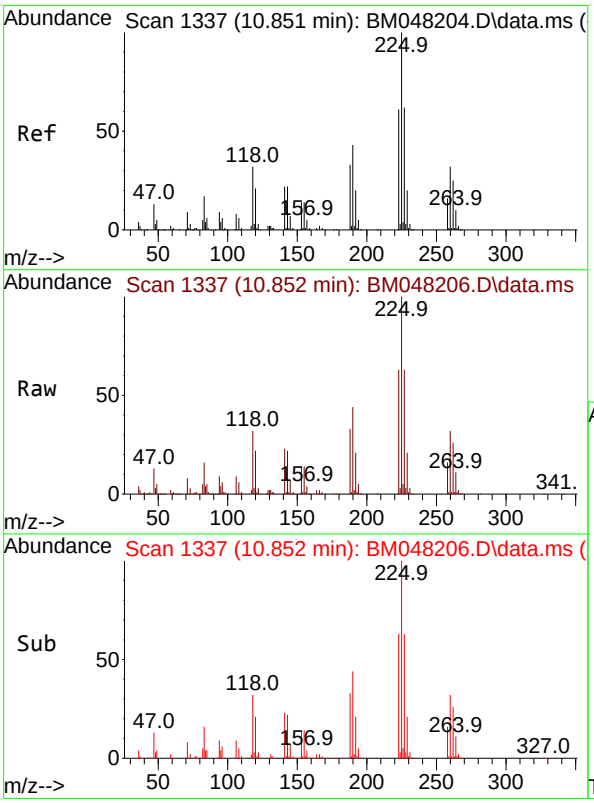
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	28.7	23.7	35.5
92	17.7	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

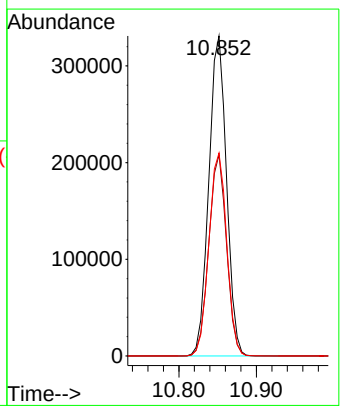
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

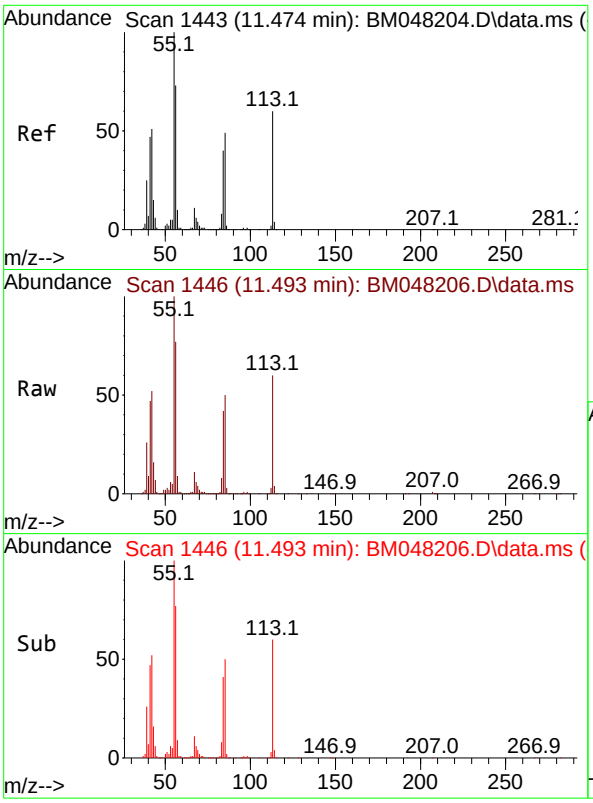


#34
Hexachlorobutadiene
Concen: 59.092 ng
RT: 10.852 min Scan# 1337
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:225 Resp: 524436

Ion	Ratio	Lower	Upper
225	100		
223	62.9	48.6	73.0
227	63.4	49.6	74.4





#35
Caprolactam
Concen: 63.078 ng
RT: 11.493 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

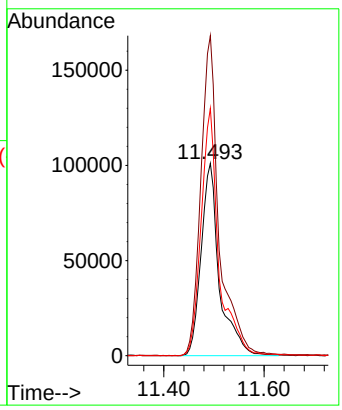
Tgt Ion:113 Resp: 25578

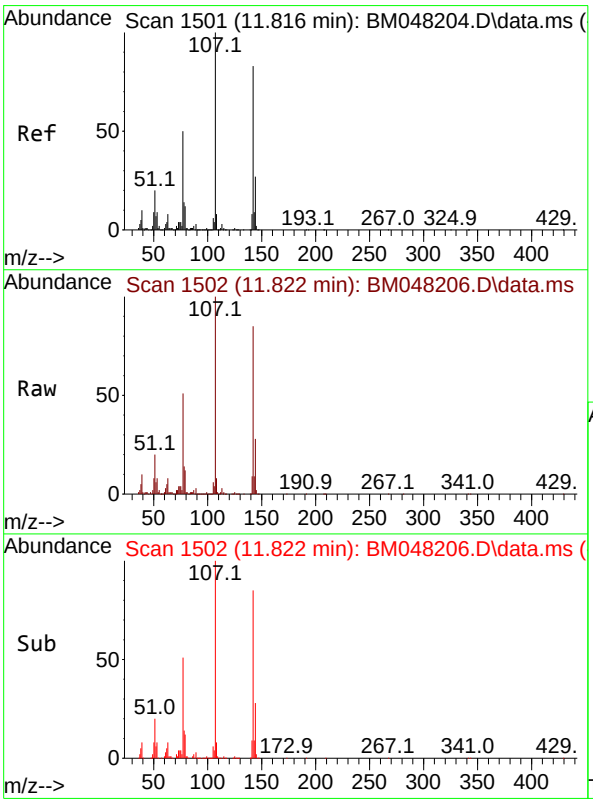
Ion	Ratio	Lower	Upper
113	100		
55	166.4	146.1	186.1
56	128.6	101.9	141.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

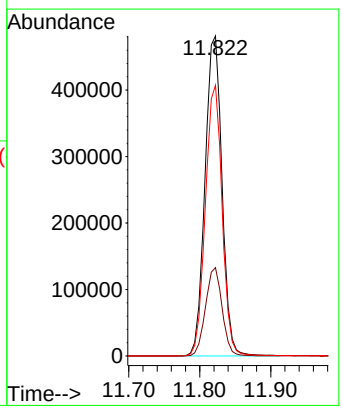


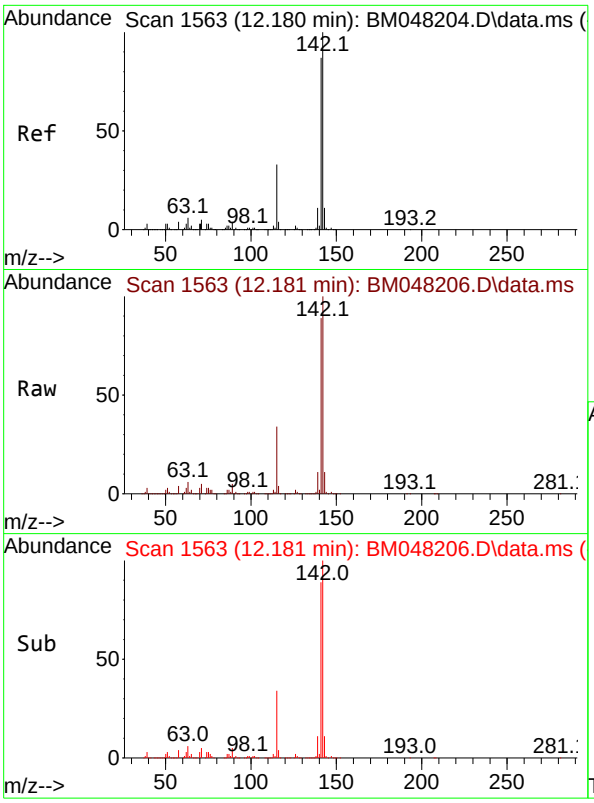


#36
4-Chloro-3-methylphenol
Concen: 61.449 ng
RT: 11.822 min Scan# 1502
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:107 Resp: 802032

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.5	32.3
142	84.6	66.8	100.2

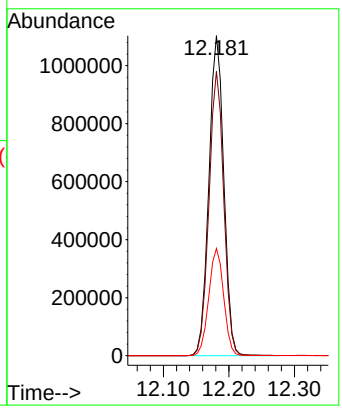




#37
2-Methylnaphthalene
Concen: 59.243 ng
RT: 12.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:142 Resp: 174551

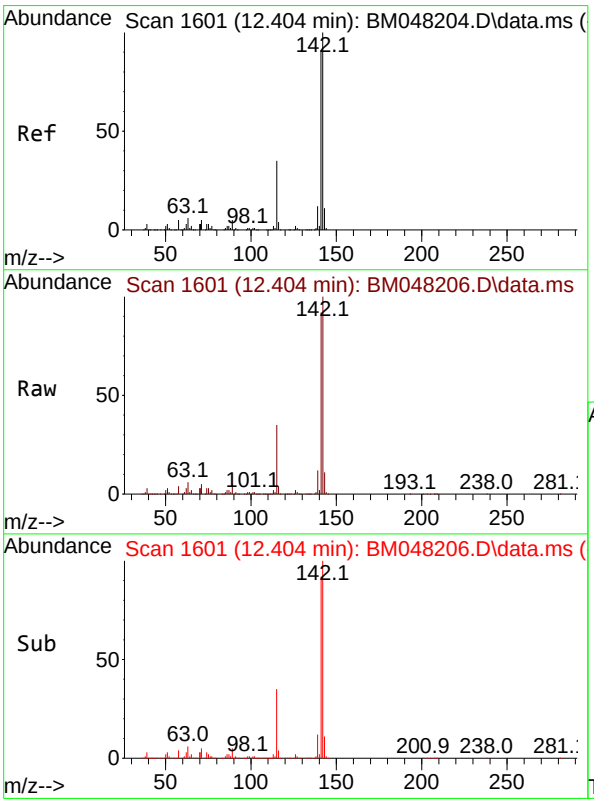
Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.8	104.6
115	33.5	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

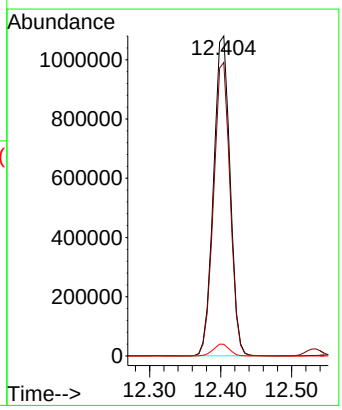
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

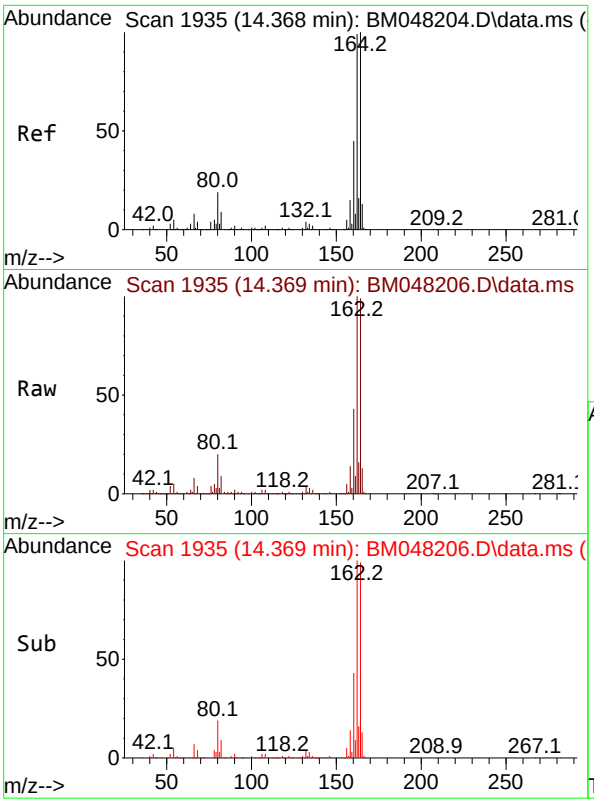


#38
1-Methylnaphthalene
Concen: 59.551 ng
RT: 12.404 min Scan# 1601
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:142 Resp: 1739869

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.7	109.1
116	3.6	2.9	4.3

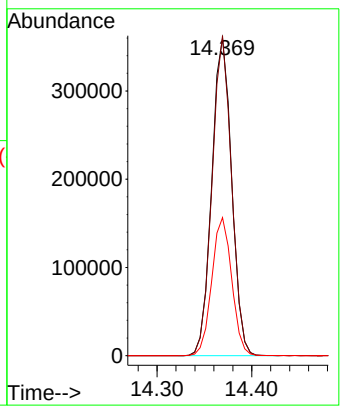




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:164 Resp: 52469

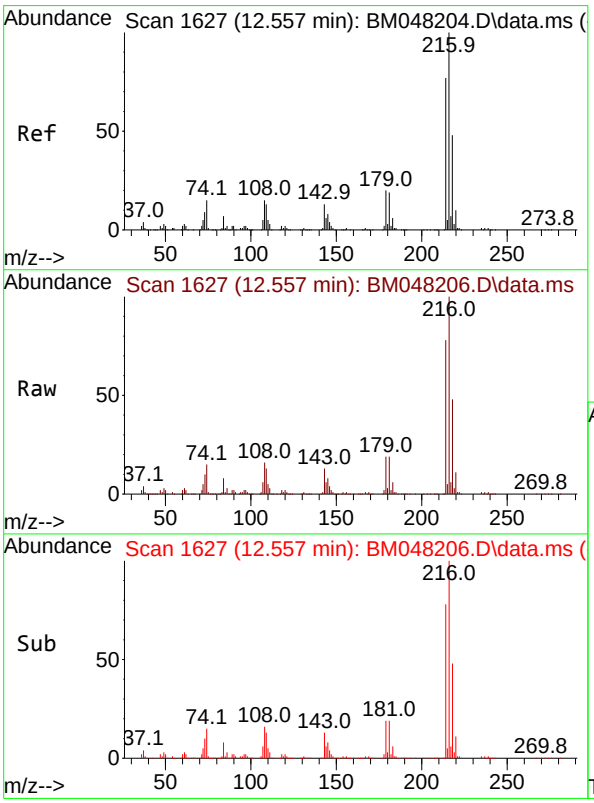
Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.1	118.7
160	43.5	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

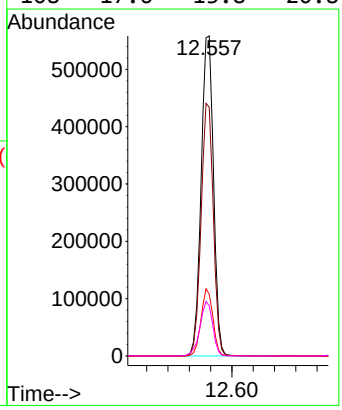
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

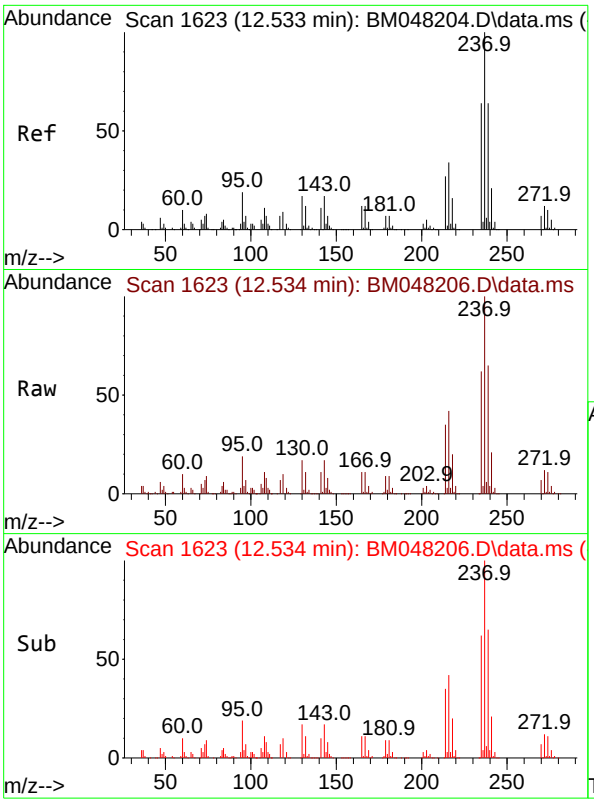


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.887 ng
RT: 12.557 min Scan# 1627
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:216 Resp: 898122

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.2	93.2
179	20.2	16.0	24.0
108	17.6	13.8	20.8

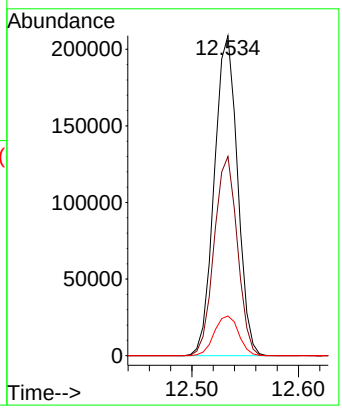




#41
Hexachlorocyclopentadiene
Concen: 62.199 ng
RT: 12.534 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:237 Resp: 31565

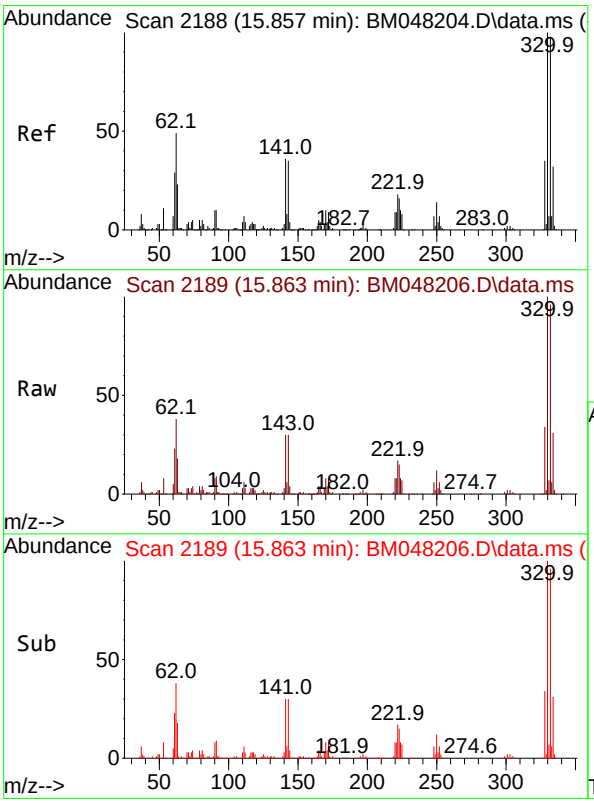
Ion	Ratio	Lower	Upper
237	100		
235	62.2	44.2	84.2
272	12.4	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

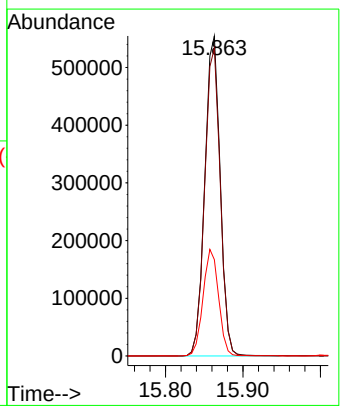
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

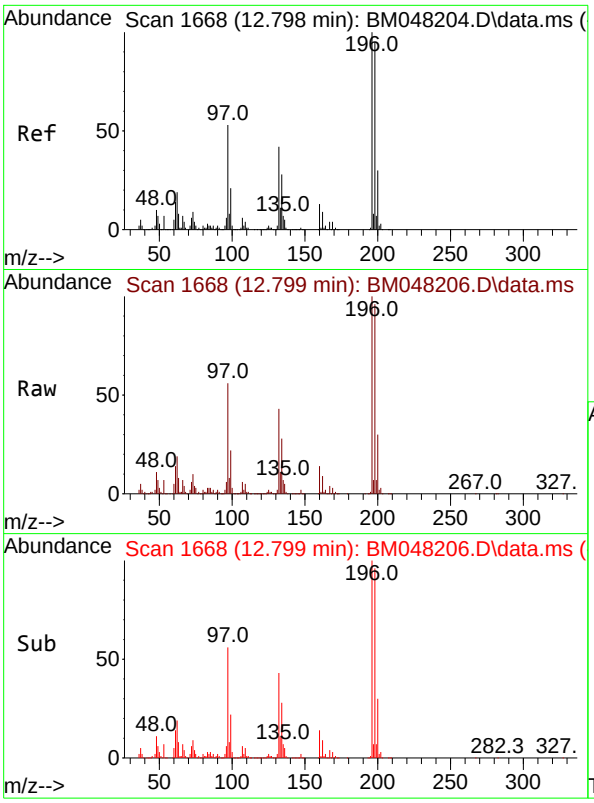


#42
2,4,6-Tribromophenol
Concen: 119.271 ng
RT: 15.863 min Scan# 2189
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:330 Resp: 765993

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.5	116.3
141	33.6	27.5	41.3

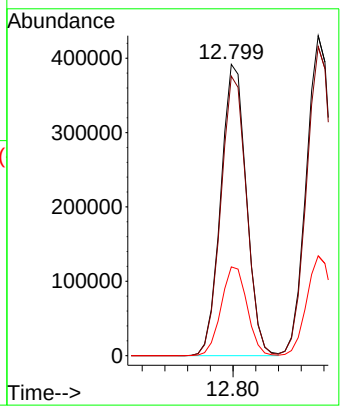




#43
2,4,6-Trichlorophenol
Concen: 61.835 ng
RT: 12.799 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:196 Resp: 61540

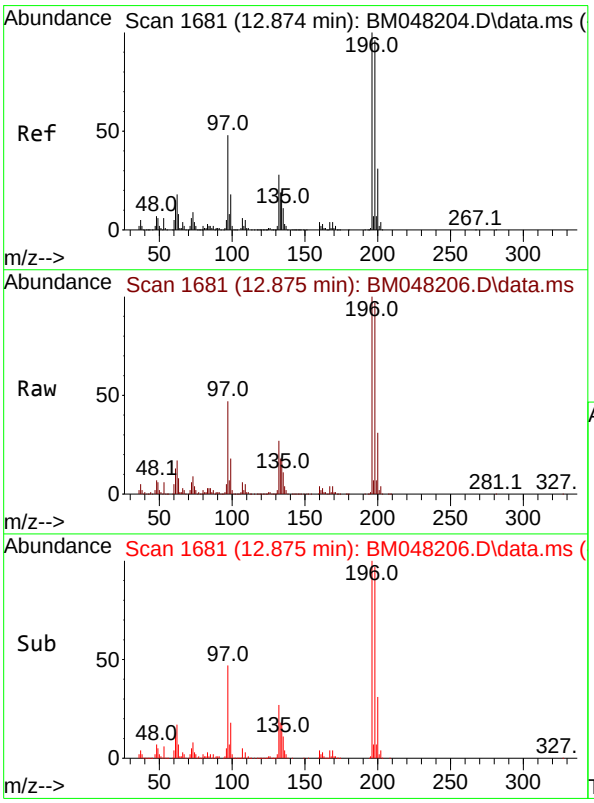
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.2	114.2
200	30.5	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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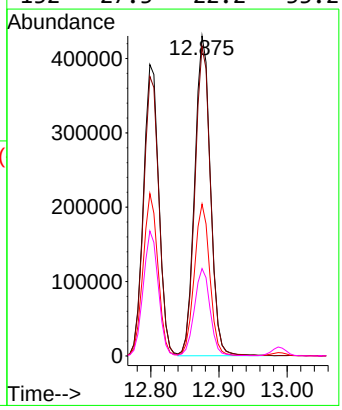
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

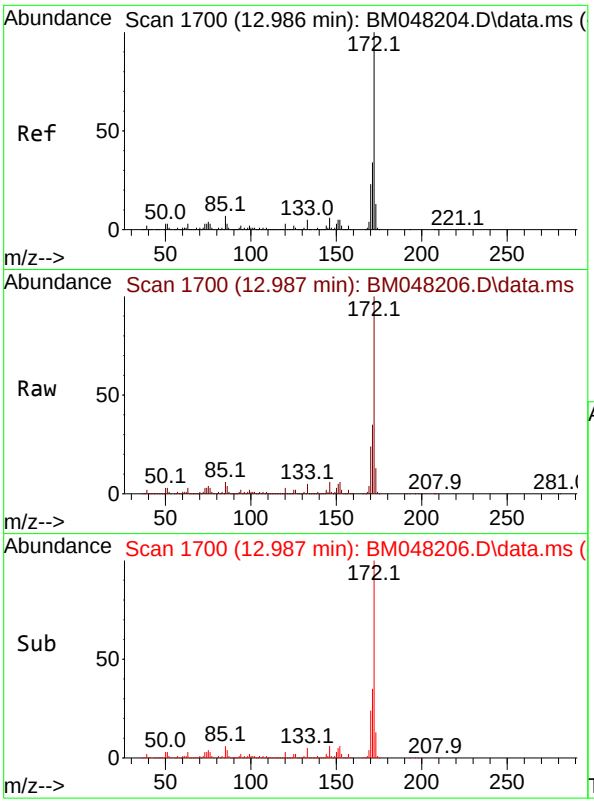


#44
2,4,5-Trichlorophenol
Concen: 61.930 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:196 Resp: 687320

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.7	115.1
97	47.4	38.5	57.7
132	27.3	22.2	33.2

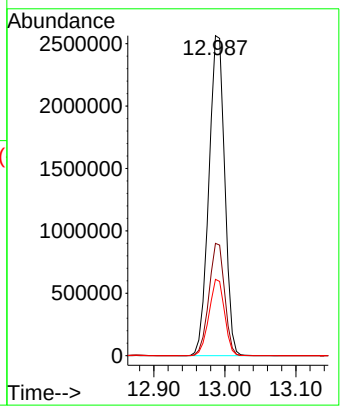




#45
2-Fluorobiphenyl
Concen: 116.065 ng
RT: 12.987 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:172 Resp: 396863

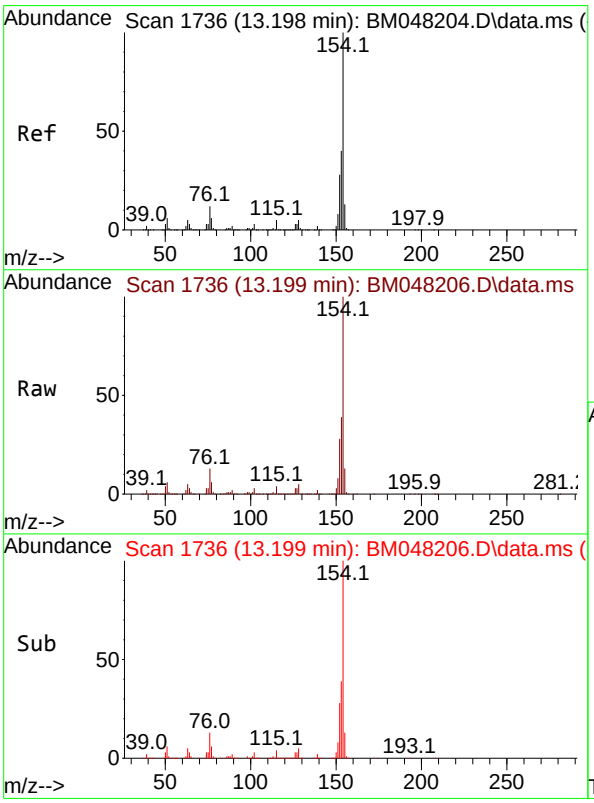
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.0
170	23.8	18.5	27.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

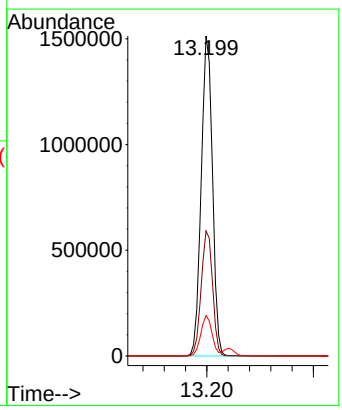
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

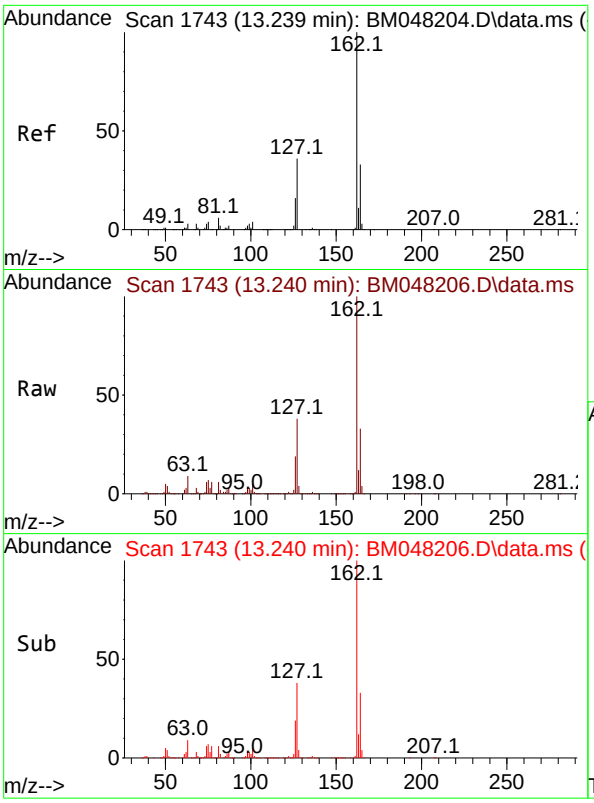


#46
1,1'-Biphenyl
Concen: 59.125 ng
RT: 13.199 min Scan# 1736
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:154 Resp: 2214876

Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.9	59.9
76	12.6	0.0	32.4

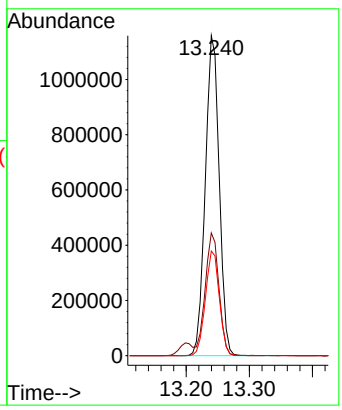




#47
2-Chloronaphthalene
Concen: 59.881 ng
RT: 13.240 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:162 Resp: 176872

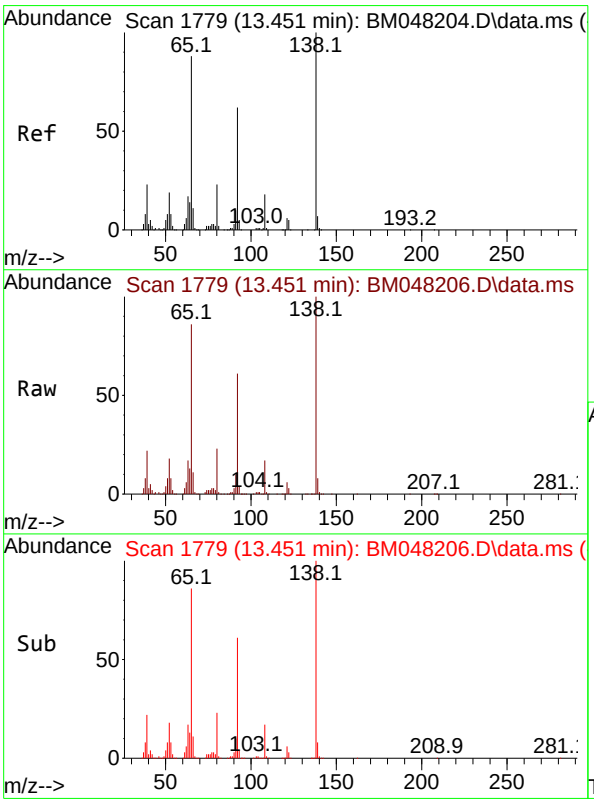
Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.0	46.6
164	32.7	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

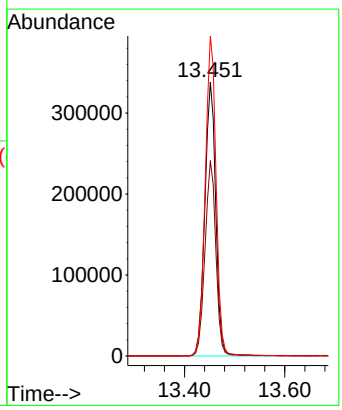
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

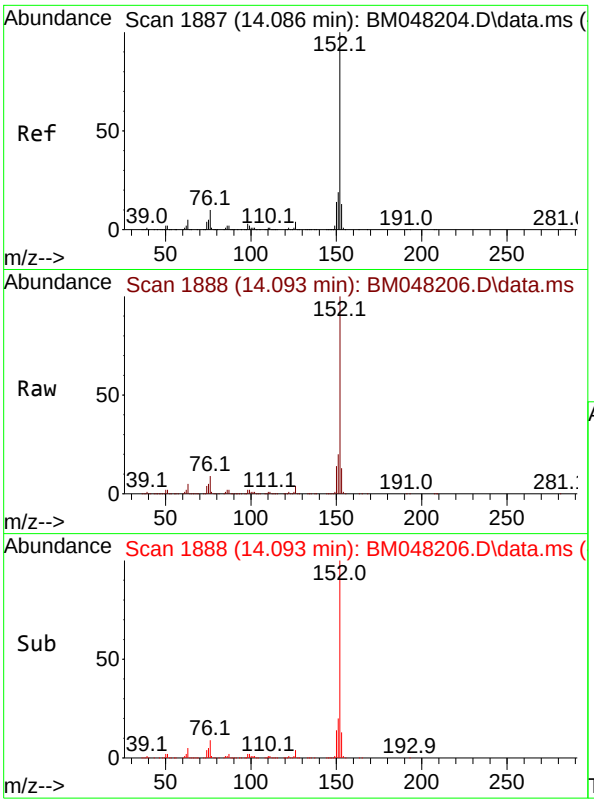


#48
2-Nitroaniline
Concen: 64.336 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 65 Resp: 515407

Ion	Ratio	Lower	Upper
65	100		
92	71.3	56.0	84.0
138	116.8	90.8	136.2





#49
Acenaphthylene
Concen: 60.003 ng
RT: 14.093 min Scan# 1
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

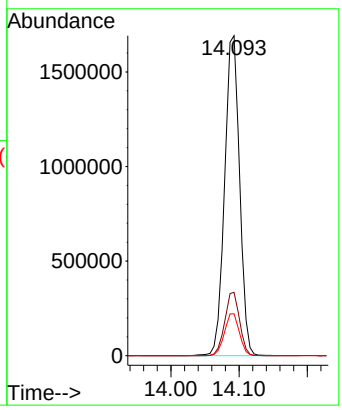
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

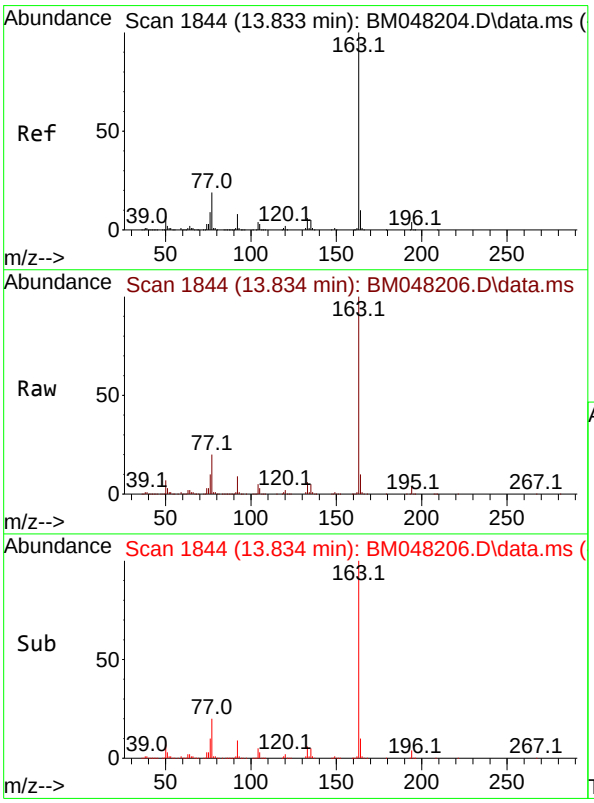
Tgt Ion:152 Resp: 258573

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.1	10.5	15.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

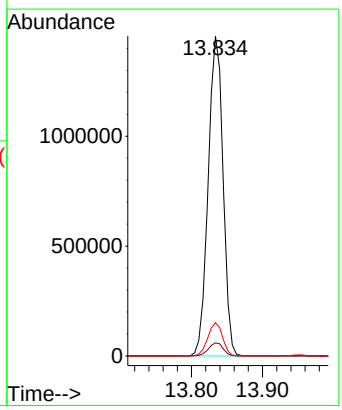


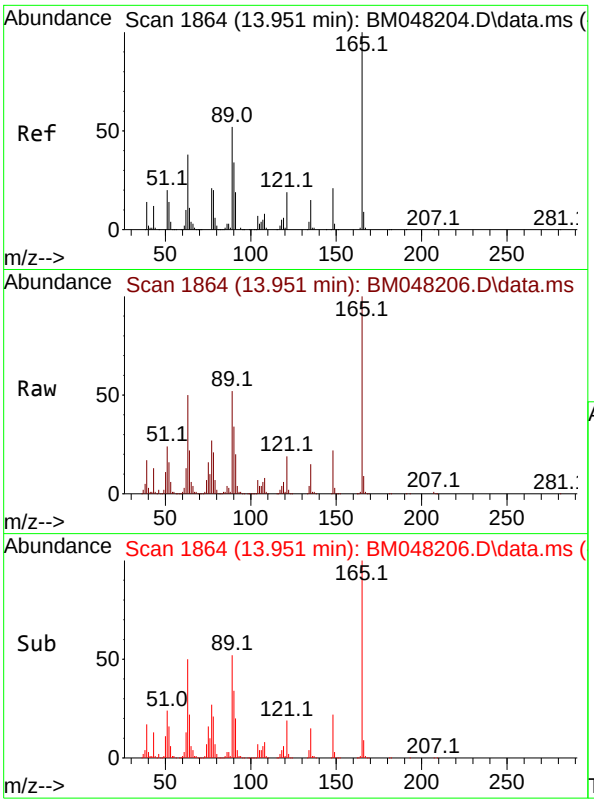


#50
Dimethylphthalate
Concen: 59.105 ng
RT: 13.834 min Scan# 1844
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:163 Resp: 2117080

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	7.8	11.6





#51
2,6-Dinitrotoluene
Concen: 62.405 ng
RT: 13.951 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

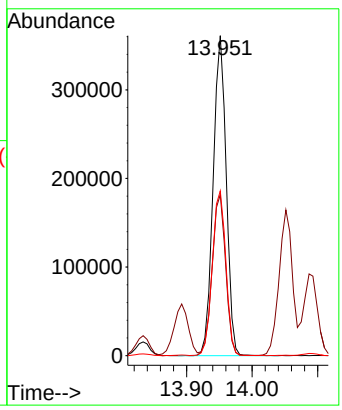
Tgt Ion:165 Resp: 49875

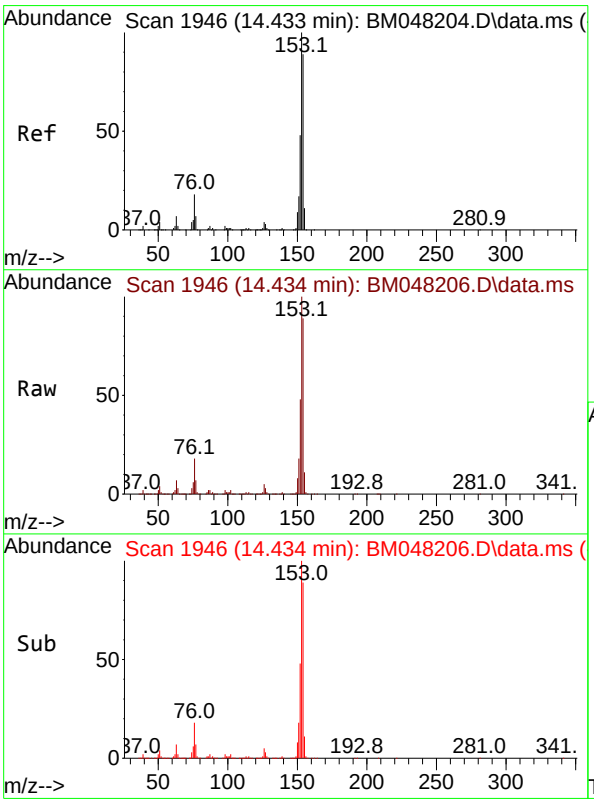
Ion	Ratio	Lower	Upper
165	100		
63	50.3	39.5	59.3
89	51.5	41.8	62.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

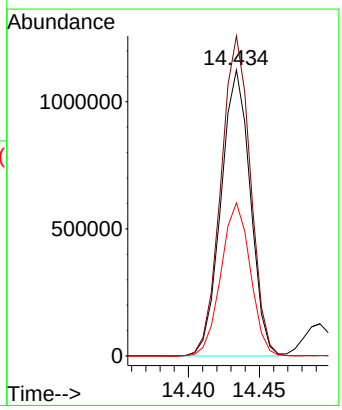


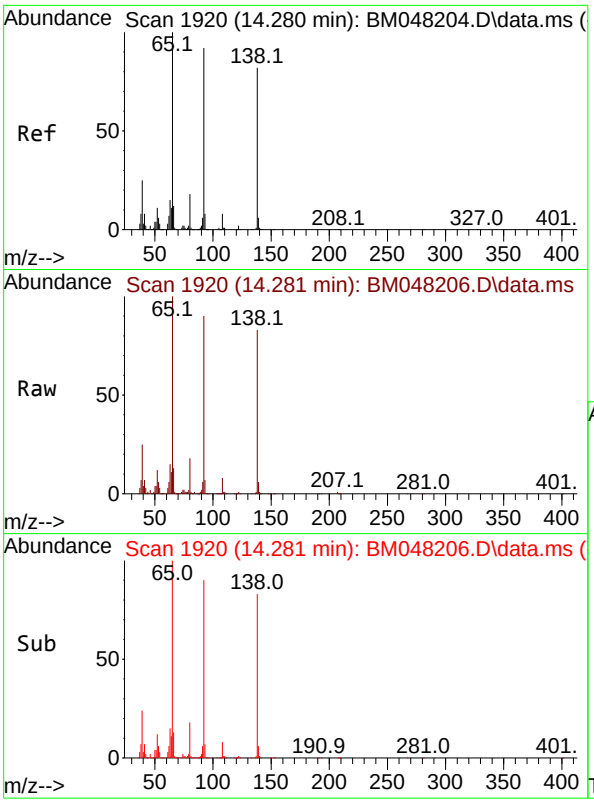


#52
Acenaphthene
Concen: 58.809 ng
RT: 14.434 min Scan# 1946
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:154 Resp: 1610256

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.4	135.6
152	53.5	43.6	65.4

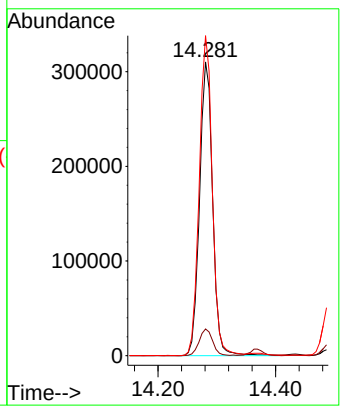




#53
3-Nitroaniline
Concen: 63.446 ng
RT: 14.281 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:138 Resp: 47820

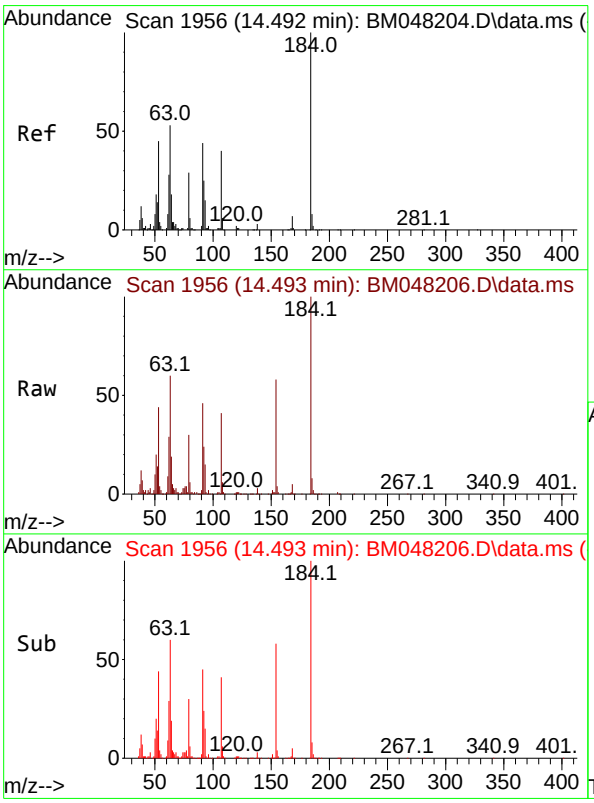
Ion	Ratio	Lower	Upper
138	100		
108	9.1	7.5	11.3
92	108.9	89.7	134.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

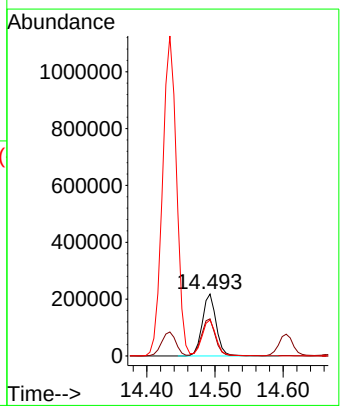
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

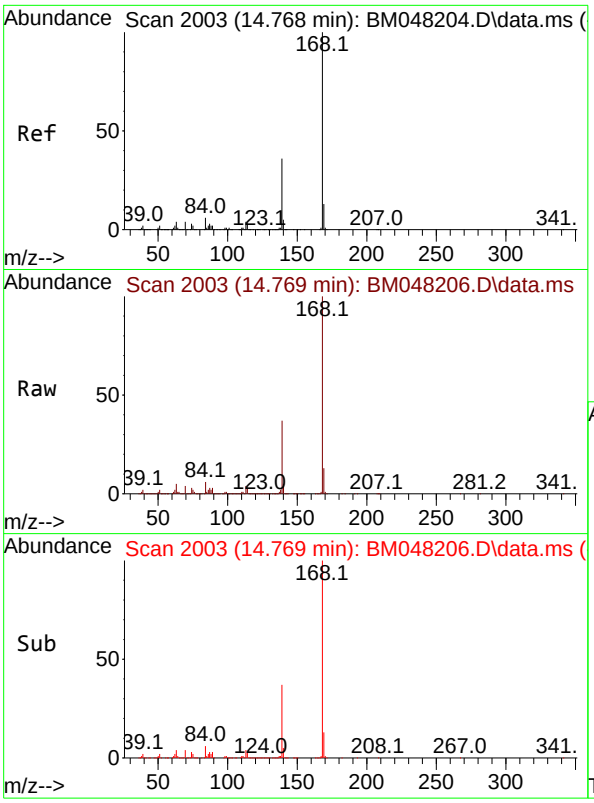


#54
2,4-Dinitrophenol
Concen: 66.013 ng
RT: 14.493 min Scan# 1956
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:184 Resp: 308301

Ion	Ratio	Lower	Upper
184	100		
63	59.9	47.2	70.8
154	58.2	46.0	69.0

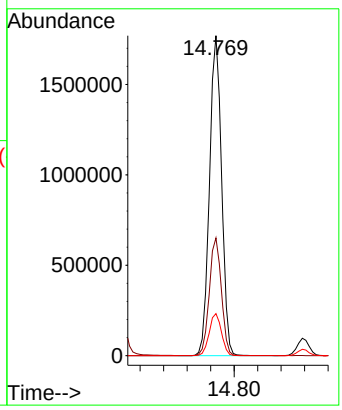




#55
Dibenzofuran
Concen: 58.199 ng
RT: 14.769 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:168 Resp: 253177

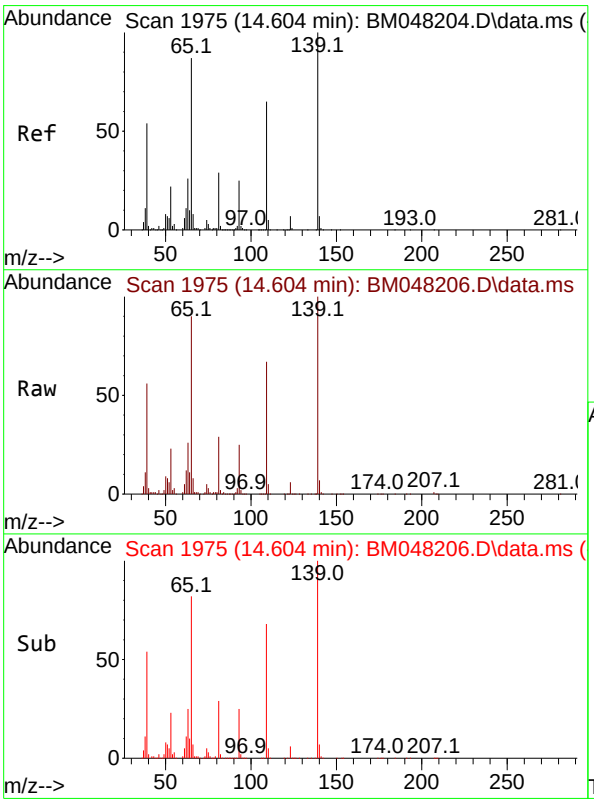
Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.0	43.6
169	13.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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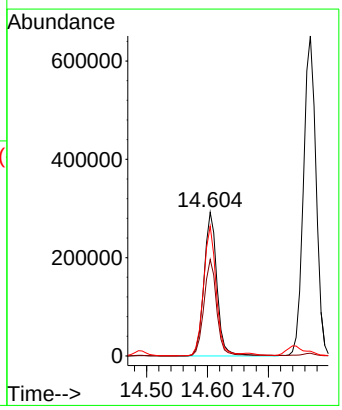
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

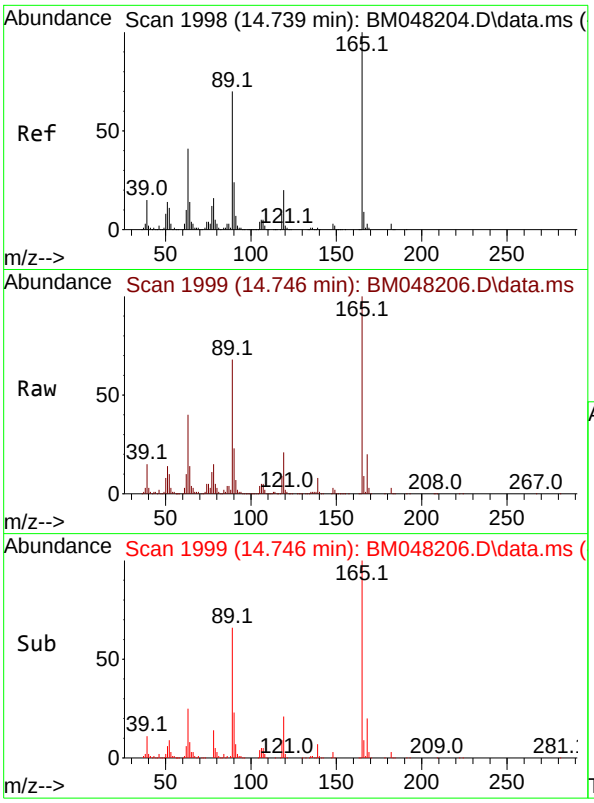


#56
4-Nitrophenol
Concen: 64.376 ng
RT: 14.604 min Scan# 1975
Delta R.T. 0.000 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:139 Resp: 433042

Ion	Ratio	Lower	Upper
139	100		
109	67.2	45.4	85.4
65	90.3	67.3	107.3

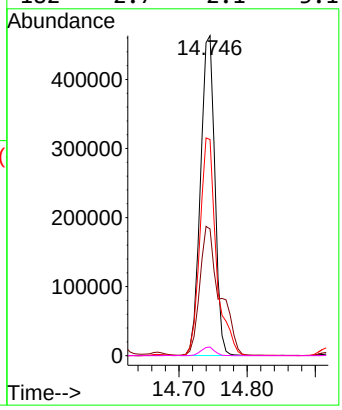




#57
2,4-Dinitrotoluene
Concen: 64.027 ng
RT: 14.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:165 Resp: 675754

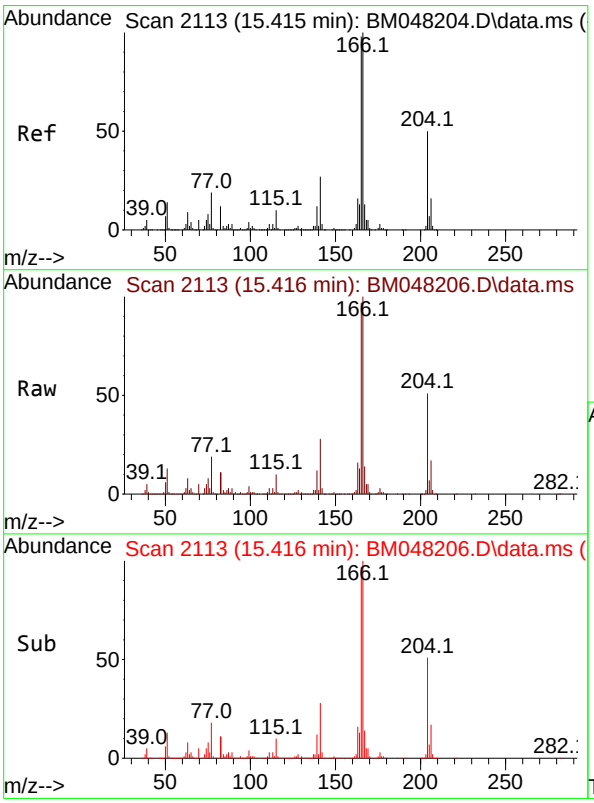
Ion	Ratio	Lower	Upper
165	100		
63	39.6	33.0	49.4
89	67.6	55.8	83.6
182	2.7	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

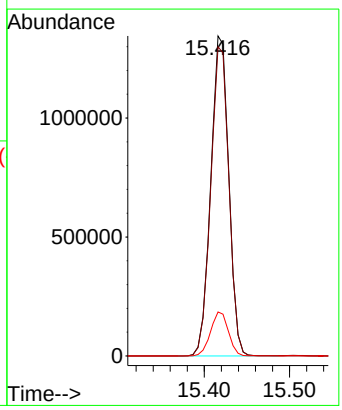
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

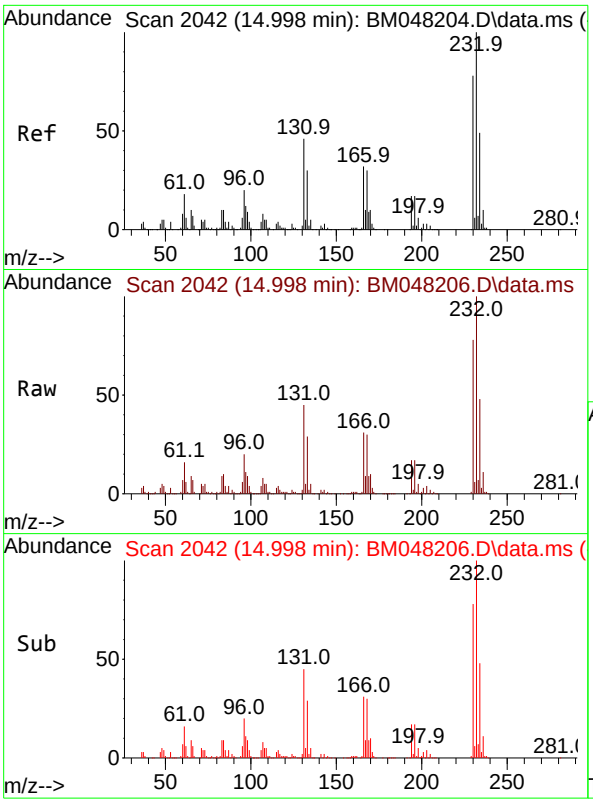


#58
Fluorene
Concen: 57.321 ng
RT: 15.416 min Scan# 2113
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:166 Resp: 1971801

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.4	117.6
167	13.7	10.8	16.2

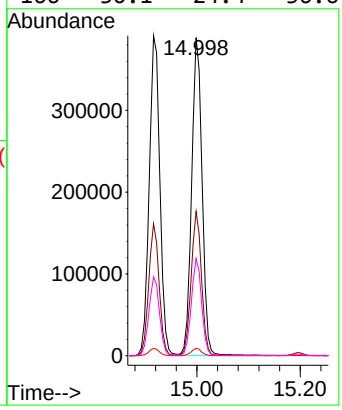




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.248 ng
RT: 14.998 min Scan# 2(
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:232 Resp: 54502(

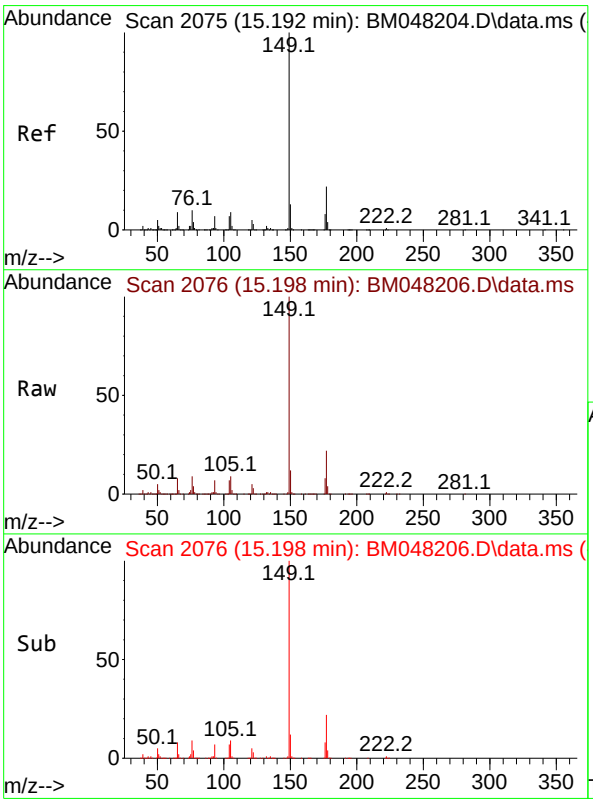
Ion	Ratio	Lower	Upper
232	100		
131	44.7	35.5	53.3
130	2.3	1.8	2.6
166	30.1	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

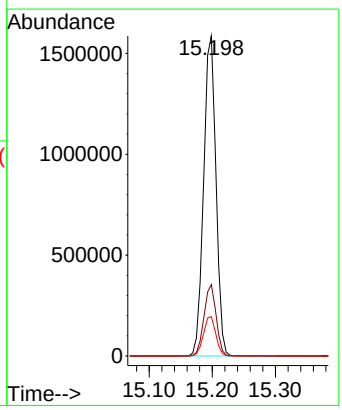
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

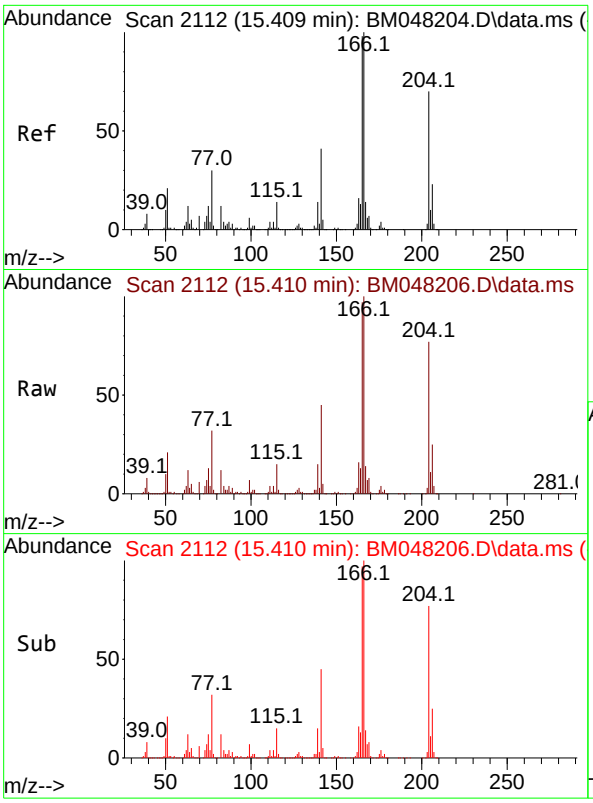


#60
Diethylphthalate
Concen: 59.478 ng
RT: 15.198 min Scan# 2076
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:149 Resp: 2157049

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.5	26.3
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 57.683 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

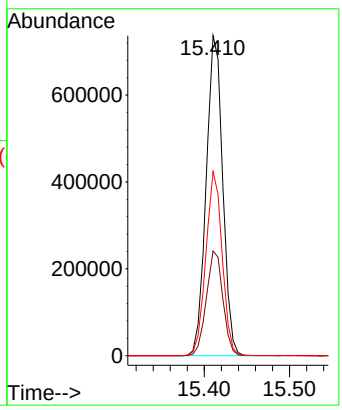
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

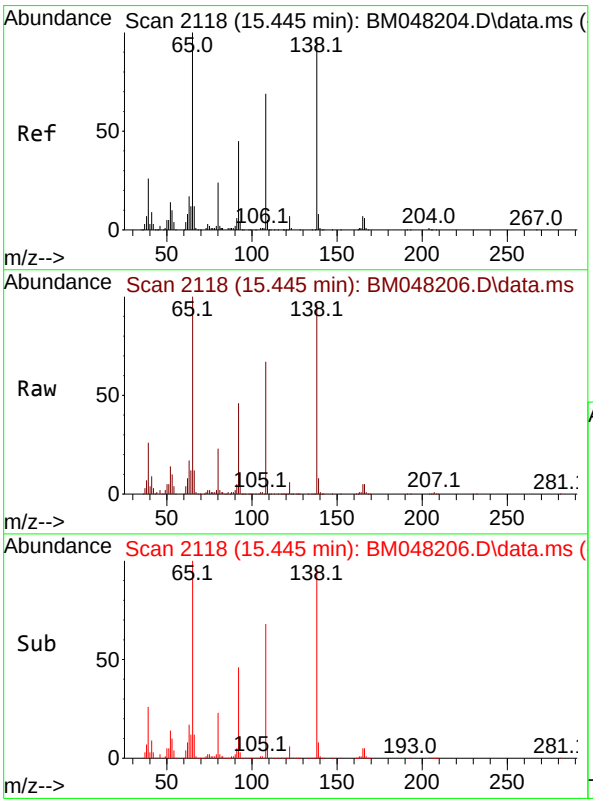
Tgt Ion:204 Resp: 99212

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	57.5	47.0	70.6

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

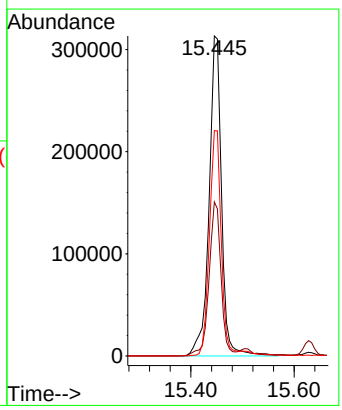


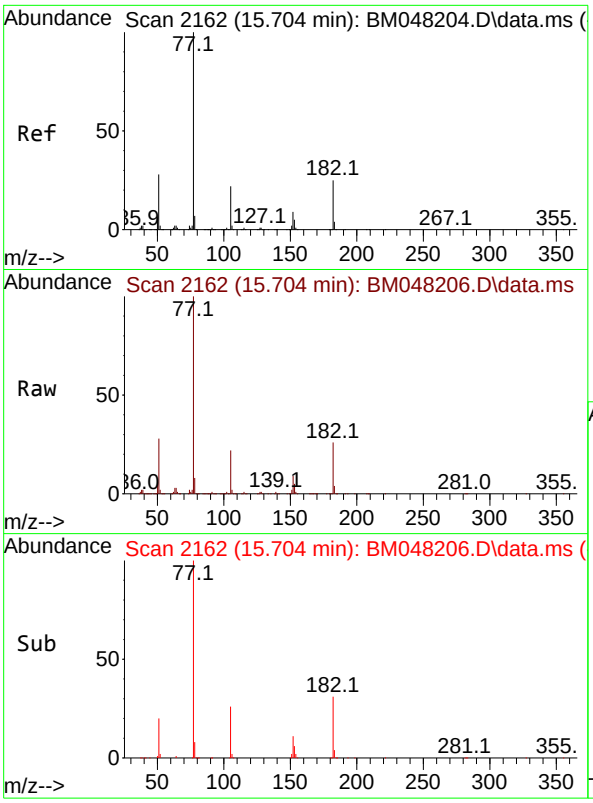


#62
4-Nitroaniline
Concen: 67.431 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:138 Resp: 525989

Ion	Ratio	Lower	Upper
138	100		
92	48.1	26.9	66.9
108	70.4	51.3	91.3

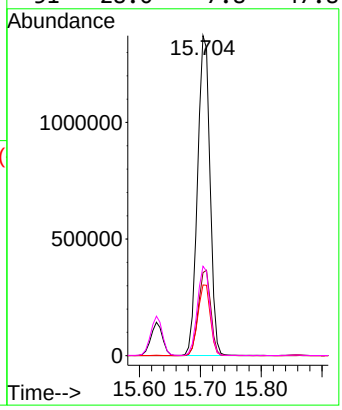




#63
Azobenzene
Concen: 59.852 ng
RT: 15.704 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion: 77 Resp: 194547

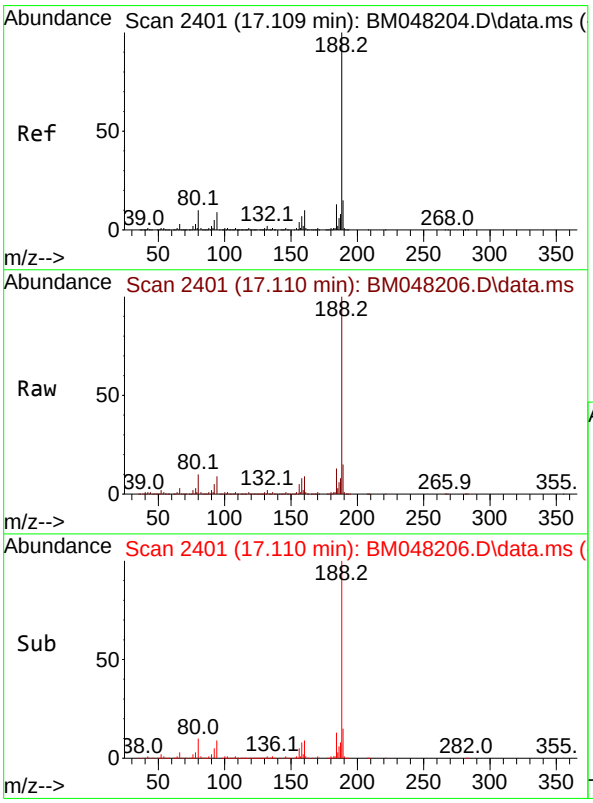
Ion	Ratio	Lower	Upper
77	100		
182	26.0	5.3	45.3
105	22.1	1.6	41.6
51	28.0	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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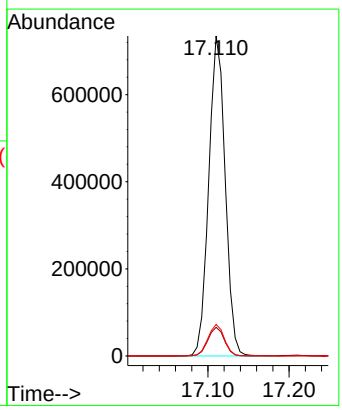
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

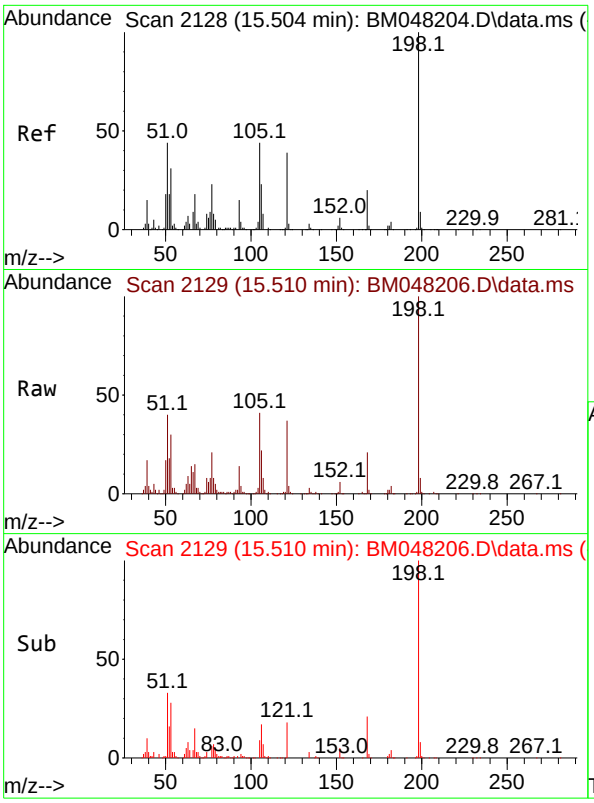


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 2401
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:188 Resp: 1031606

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.3	10.9
80	9.8	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 66.892 ng
RT: 15.510 min Scan# 2
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

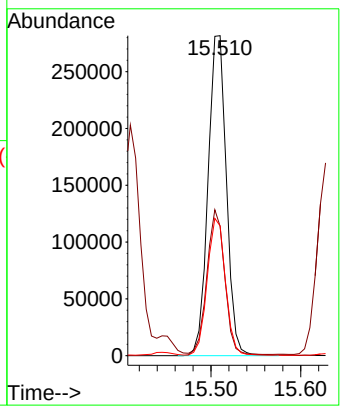
Tgt Ion:198 Resp: 40038

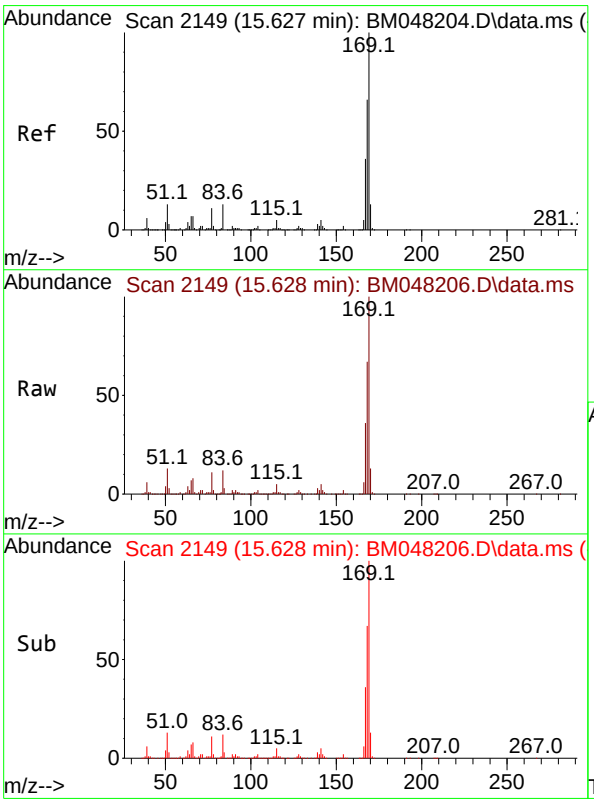
Ion	Ratio	Lower	Upper
198	100		
51	40.4	25.4	65.4
105	40.6	23.9	63.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

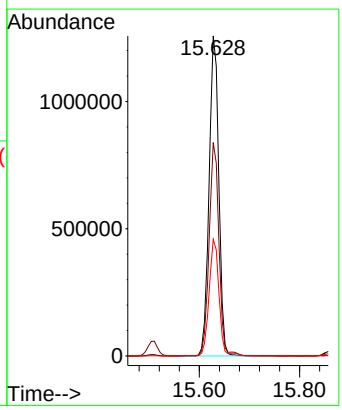


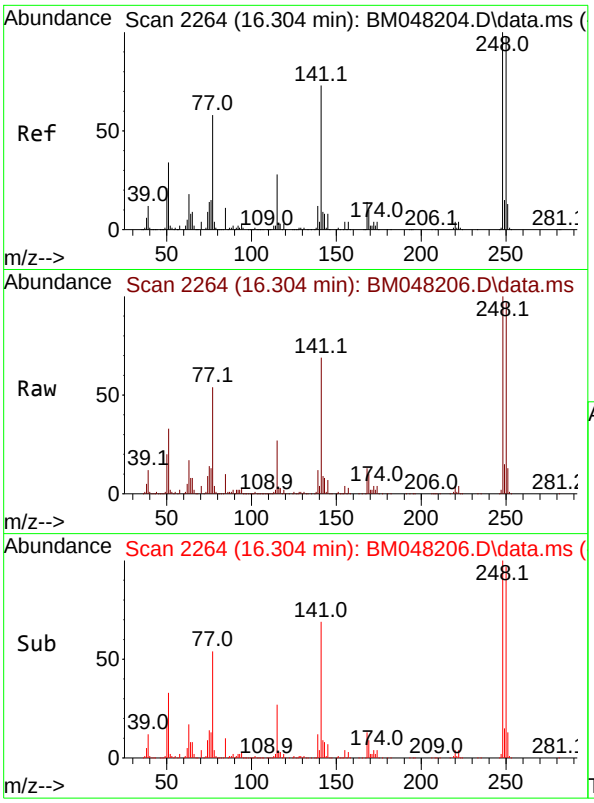


#66
n-Nitrosodiphenylamine
Concen: 59.652 ng
RT: 15.628 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:169 Resp: 1689317

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	36.5	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 60.014 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

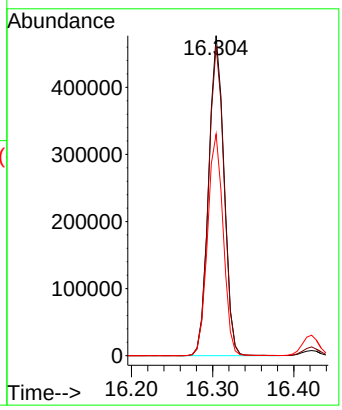
Tgt Ion:248 Resp: 62769

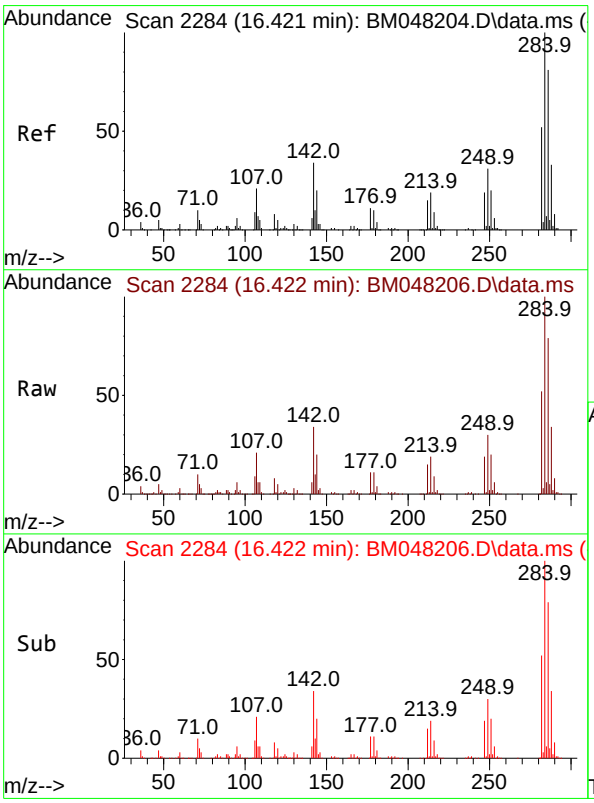
Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.3	117.5
141	69.3	58.0	87.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

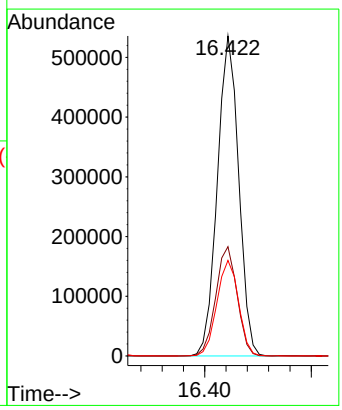


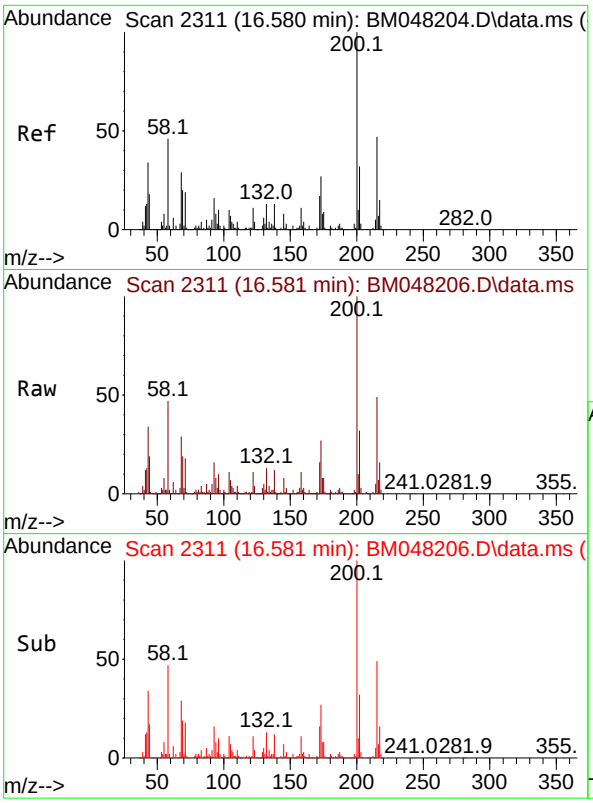


#68
Hexachlorobenzene
Concen: 59.192 ng
RT: 16.422 min Scan# 2284
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:284 Resp: 743574

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.0	40.4
249	29.8	24.6	36.8

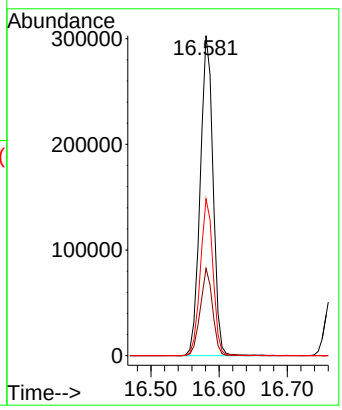




#69
Atrazine
Concen: 49.945 ng
RT: 16.581 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:200 Resp: 39575

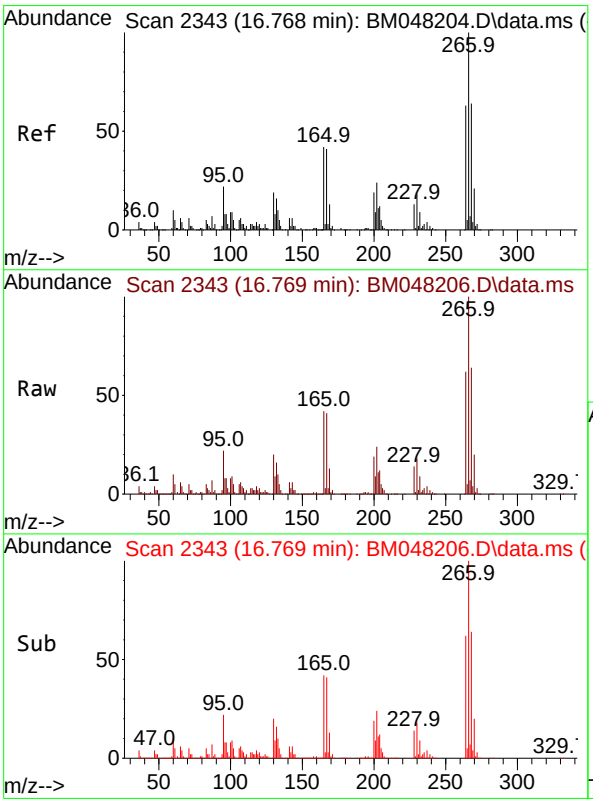
Ion	Ratio	Lower	Upper
200	100		
173	27.2	6.5	46.5
215	48.9	27.2	67.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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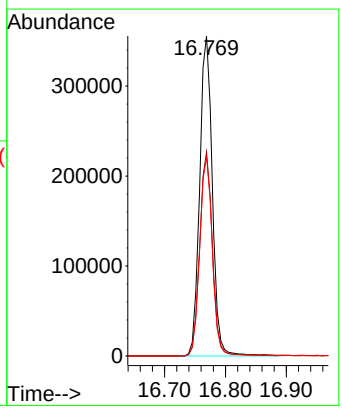
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

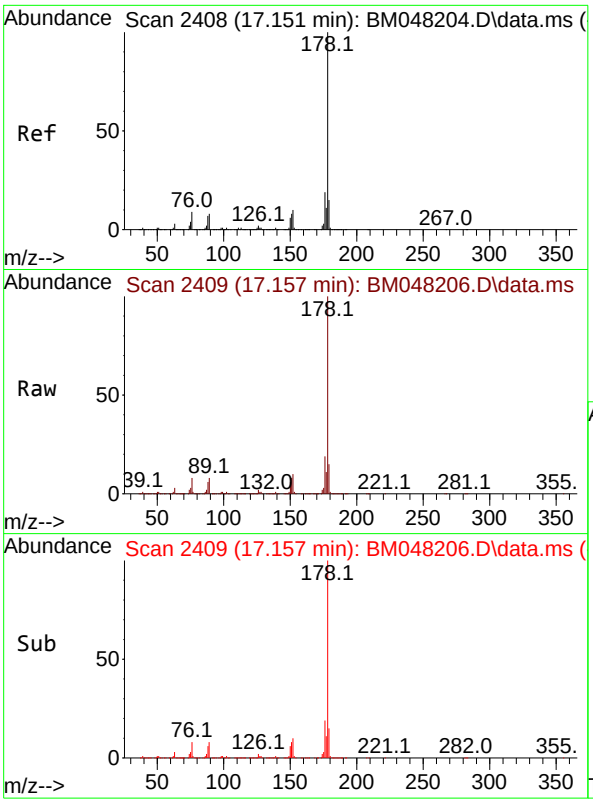


#70
Pentachlorophenol
Concen: 62.371 ng
RT: 16.769 min Scan# 2343
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:266 Resp: 514399

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.8	76.2
264	62.4	50.2	75.2

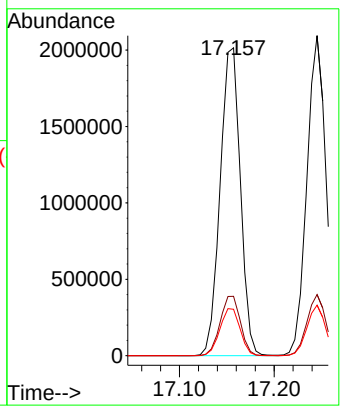




#71
Phenanthrene
Concen: 58.685 ng
RT: 17.157 min Scan# 24
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:178 Resp: 299777

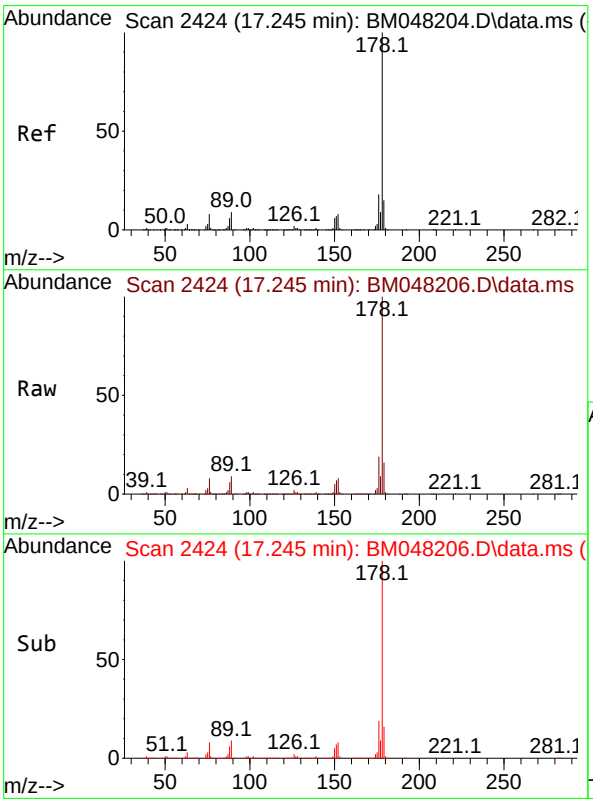
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.1	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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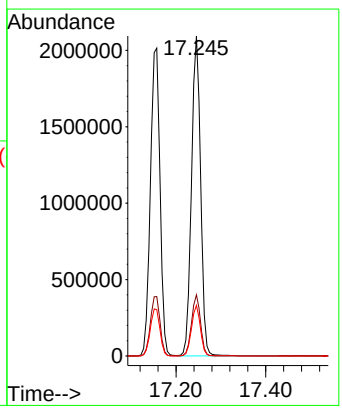
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

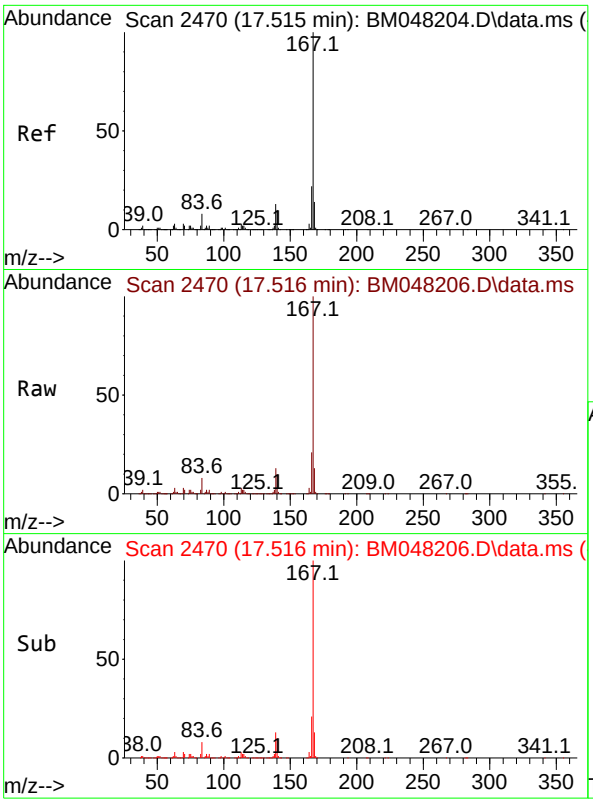


#72
Anthracene
Concen: 59.774 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:178 Resp: 2955818

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	15.8	12.2	18.2

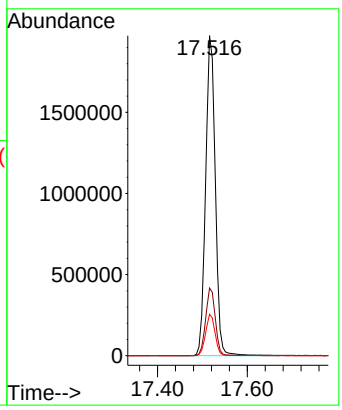




#73
Carbazole
Concen: 60.838 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:167 Resp: 294919

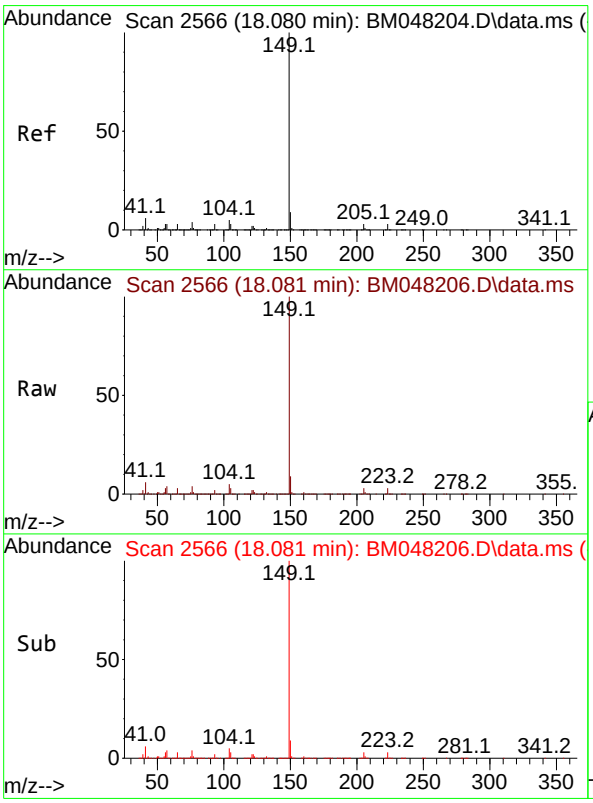
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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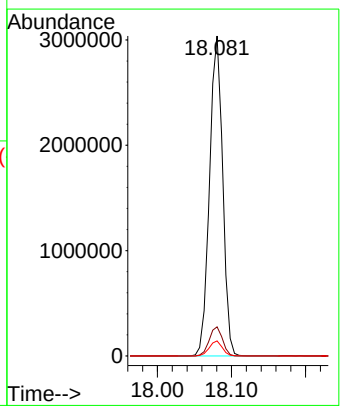
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

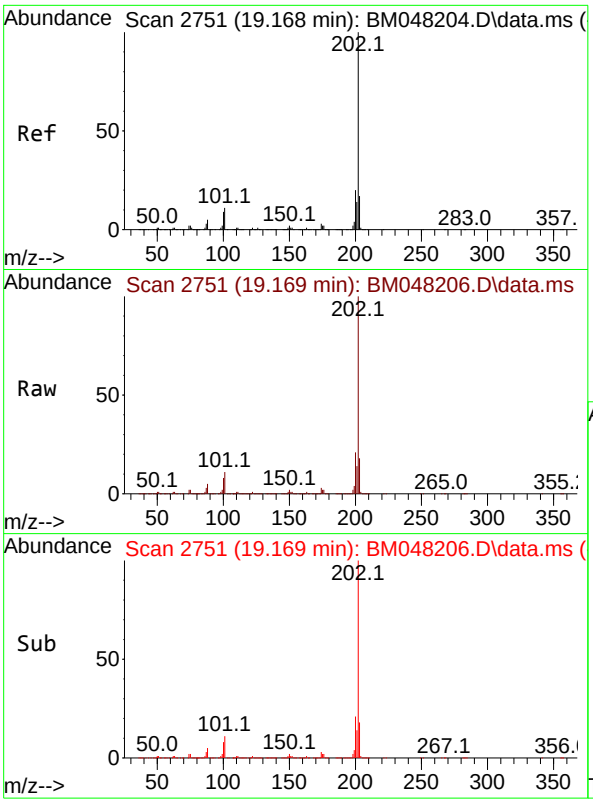


#74
Di-n-butylphthalate
Concen: 61.934 ng
RT: 18.081 min Scan# 2566
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:149 Resp: 3737076

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	4.7	3.8	5.6

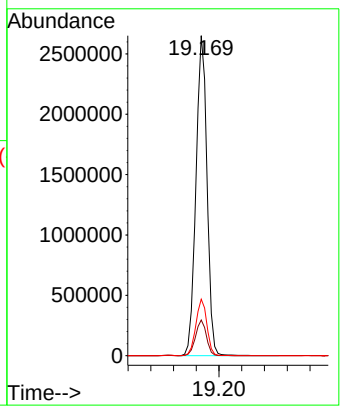




#75
Fluoranthene
Concen: 59.002 ng
RT: 19.169 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:202 Resp: 359524

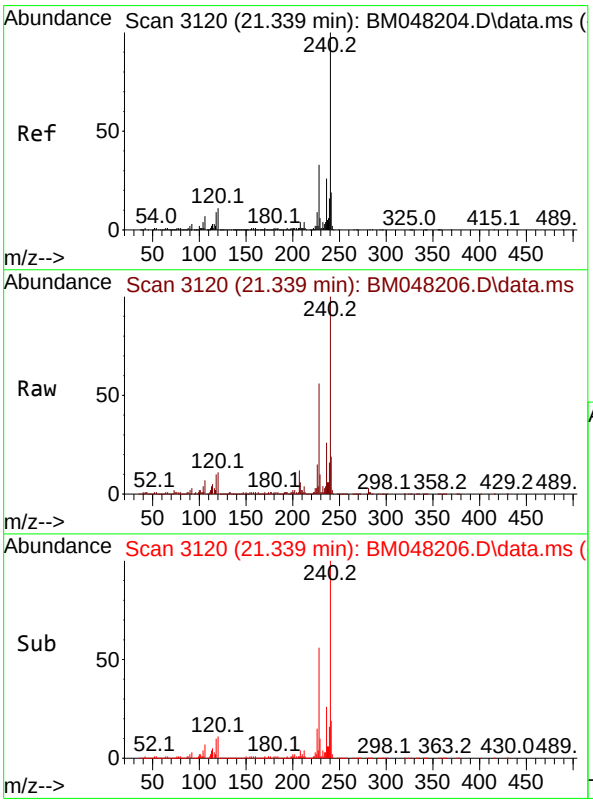
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	17.7	0.0	37.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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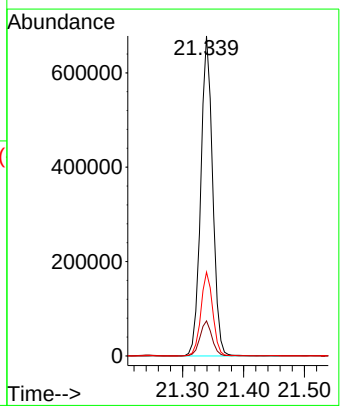
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

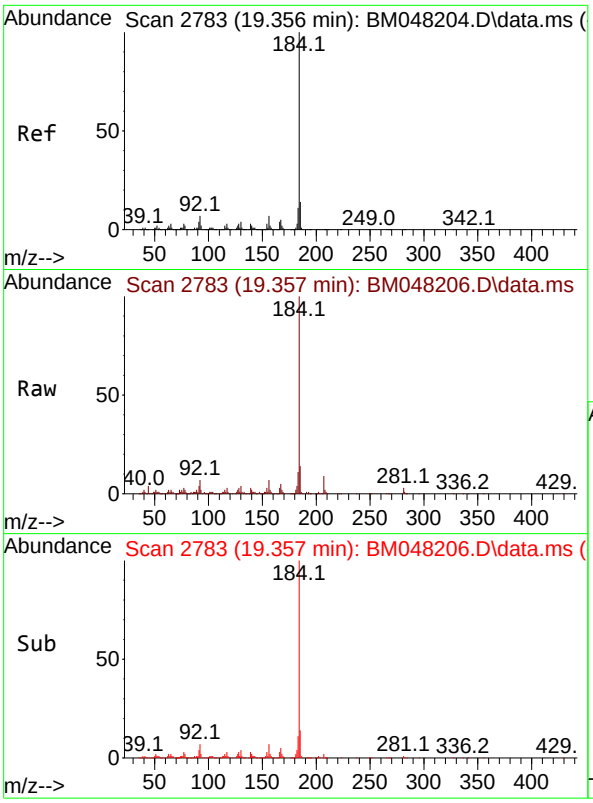


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:240 Resp: 920634

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	13.0
236	26.2	20.7	31.1

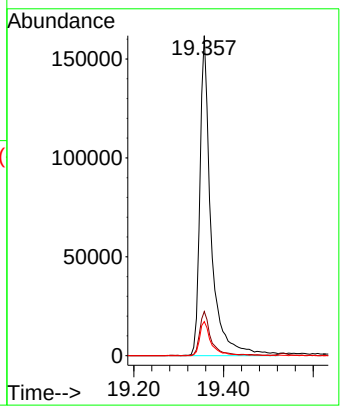




#77
Benzidine
Concen: 26.379 ng
RT: 19.357 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:184 Resp: 28027

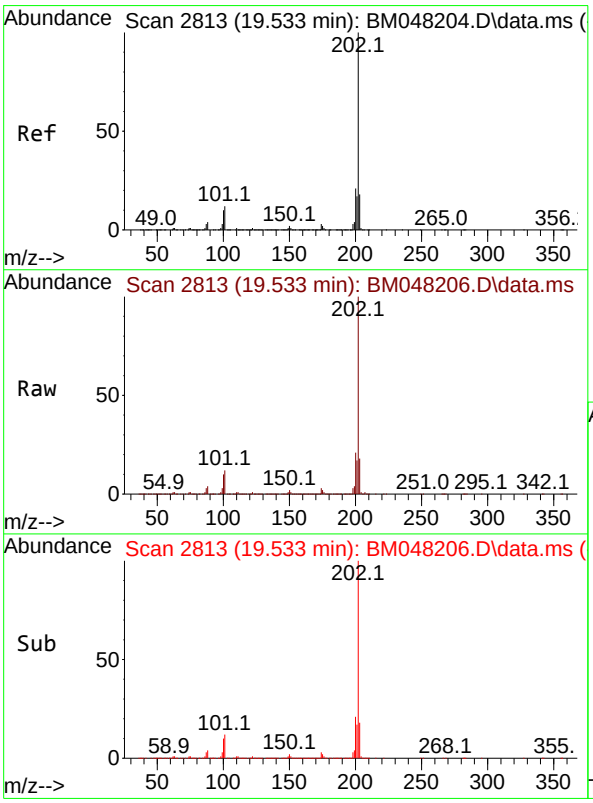
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.0
183	10.6	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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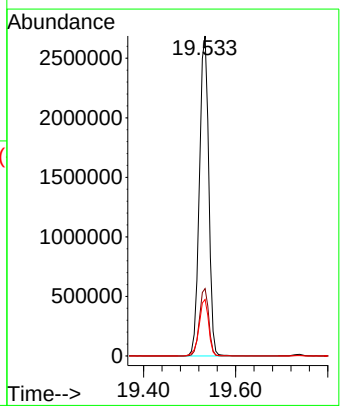
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

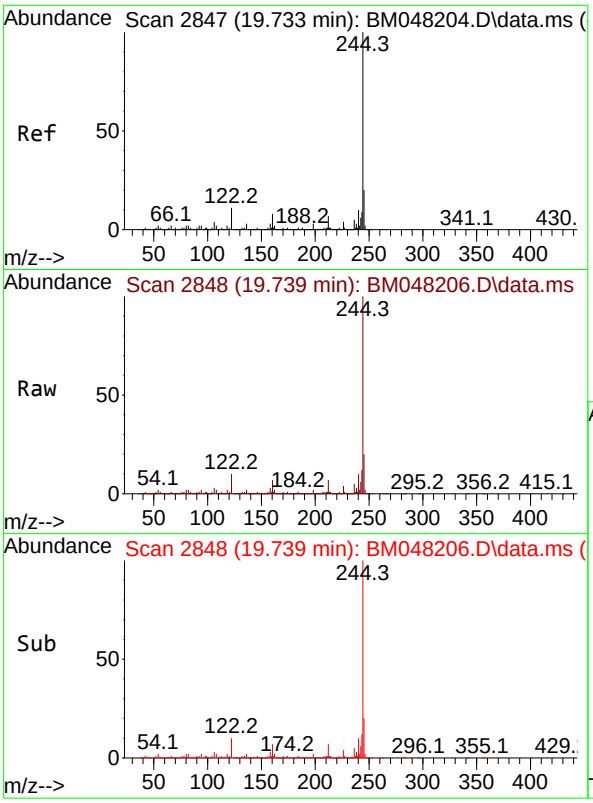


#78
Pyrene
Concen: 61.383 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:202 Resp: 3782501

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.1	21.1

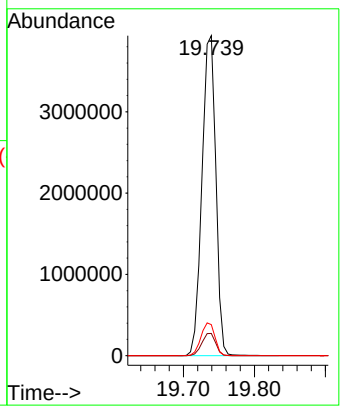




#79
Terphenyl-d14
Concen: 118.615 ng
RT: 19.739 min Scan# 2
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:244 Resp: 535105

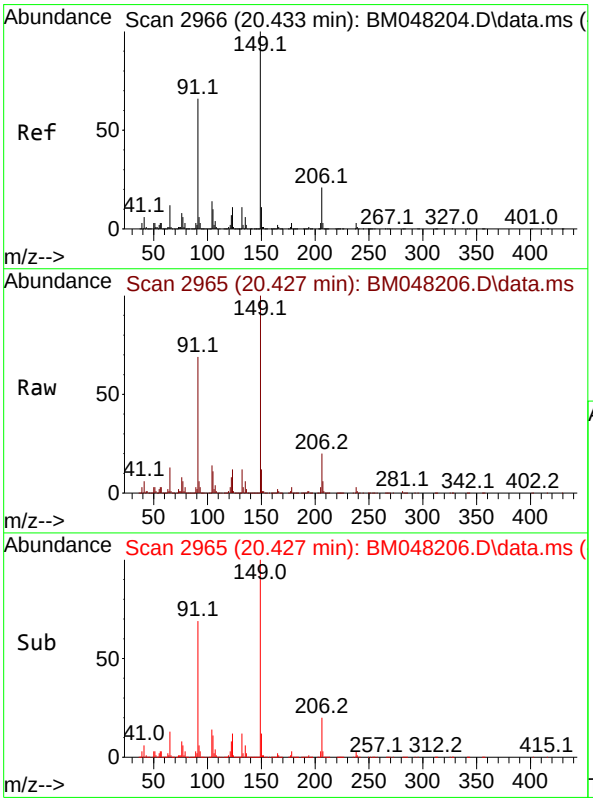
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.7	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

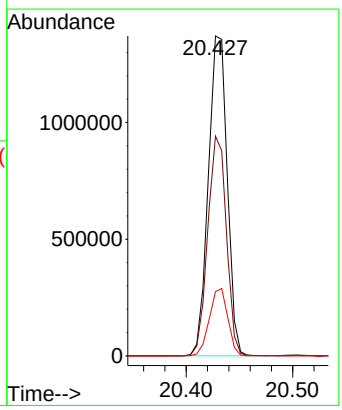
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

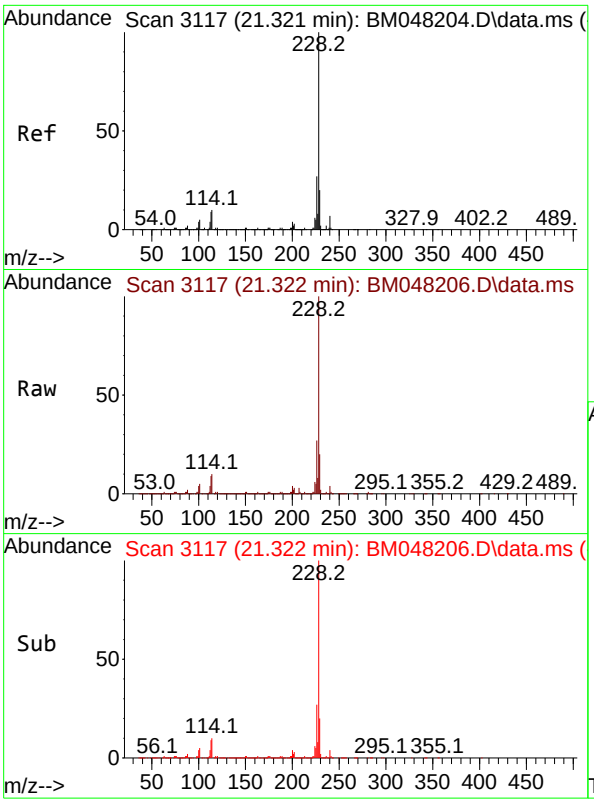


#80
Butylbenzylphthalate
Concen: 65.604 ng
RT: 20.427 min Scan# 2965
Delta R.T. -0.005 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:149 Resp: 1690485

Ion	Ratio	Lower	Upper
149	100		
91	68.7	52.5	78.7
206	20.1	17.0	25.6

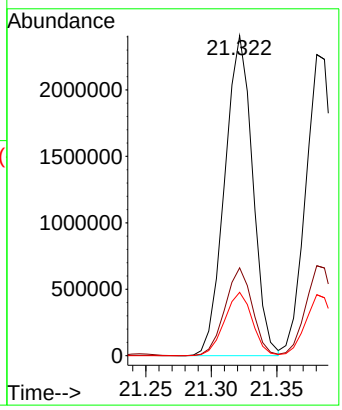




#81
Benzo(a)anthracene
Concen: 60.769 ng
RT: 21.322 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:228 Resp: 357507

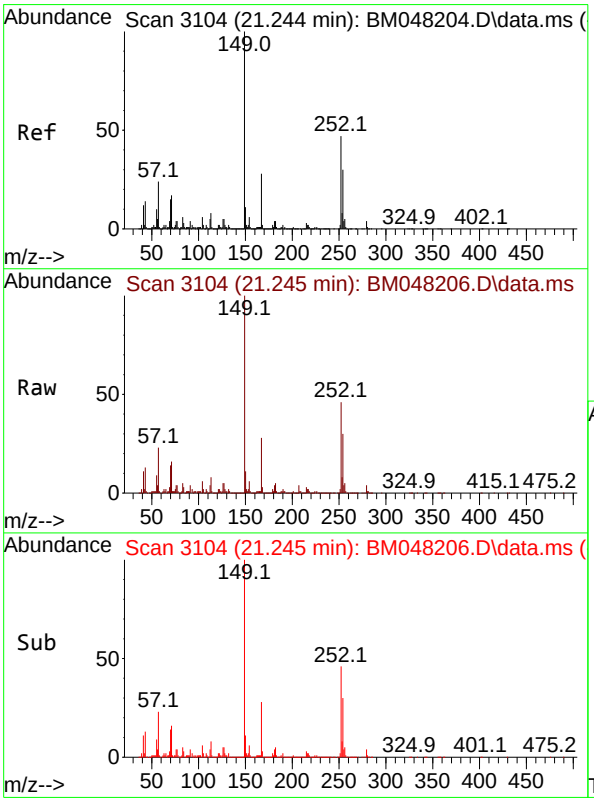
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	19.8	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

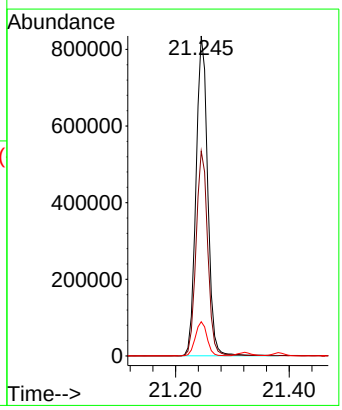
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

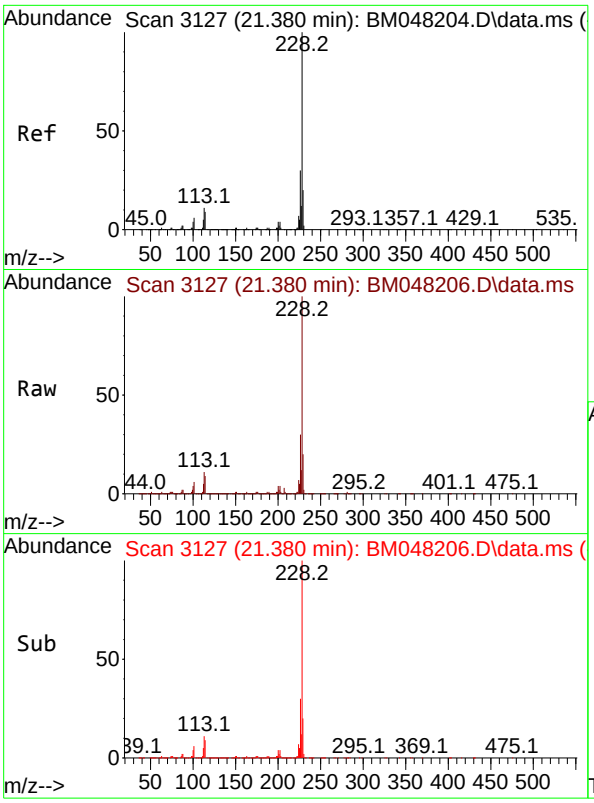


#82
3,3'-Dichlorobenzidine
Concen: 59.423 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:252 Resp: 1197448

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.8
126	10.7	8.8	13.2

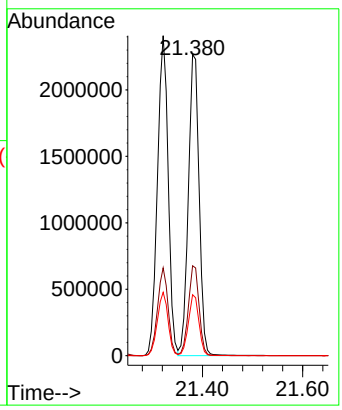




#83
Chrysene
Concen: 59.863 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:228 Resp: 338045

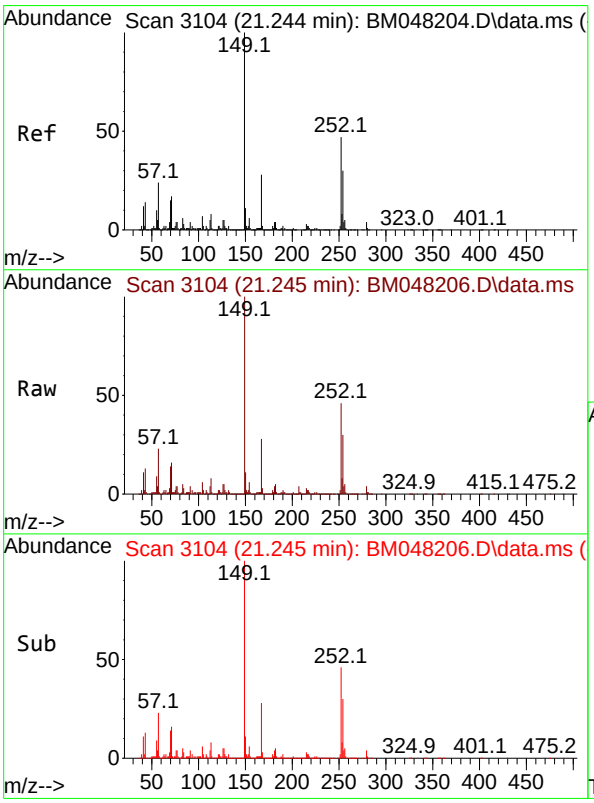
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	20.2	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

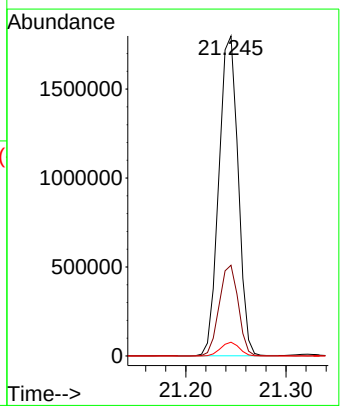
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

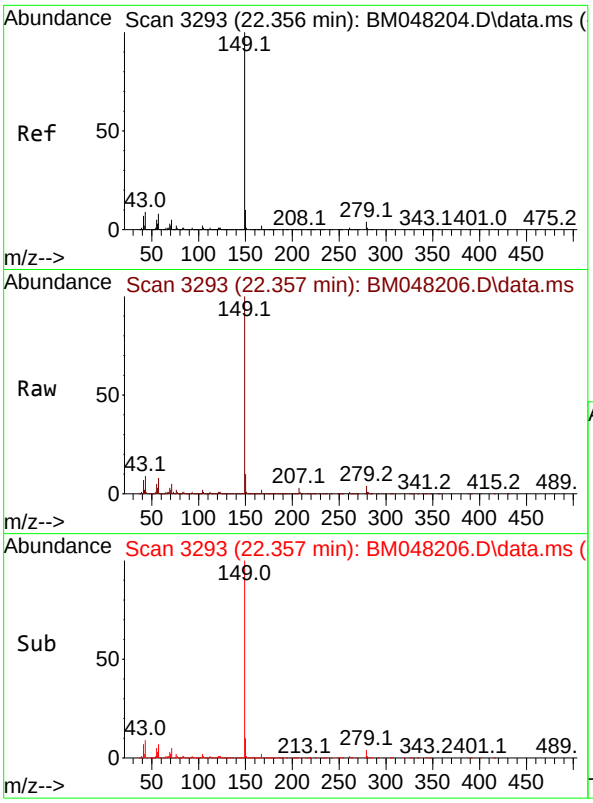


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.872 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:149 Resp: 2392105

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	4.3	3.3	4.9

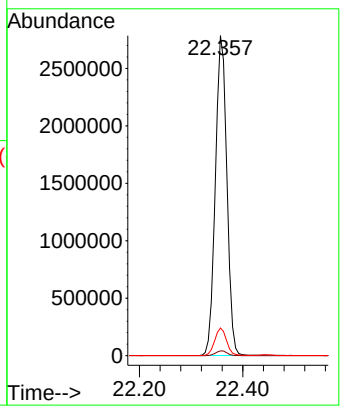




#85
Di-n-octyl phthalate
Concen: 66.272 ng
RT: 22.357 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:149 Resp: 429867

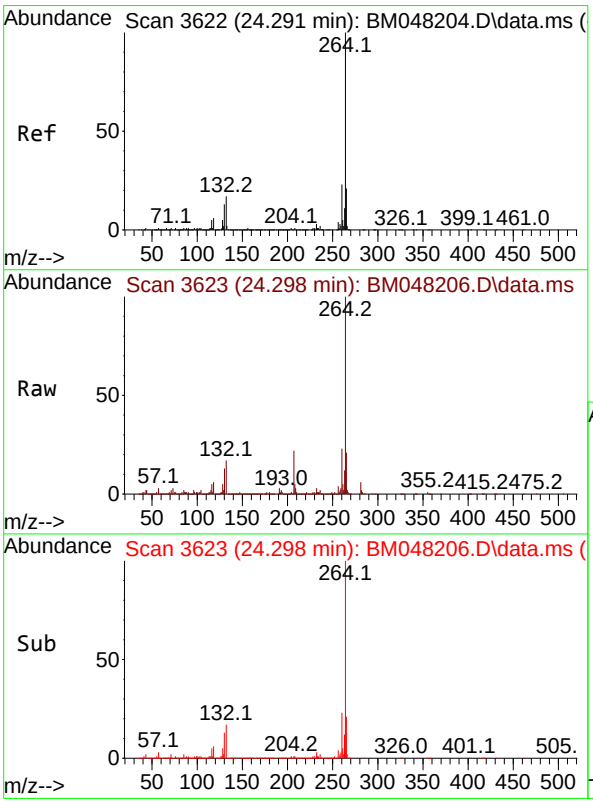
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.9	7.3	10.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

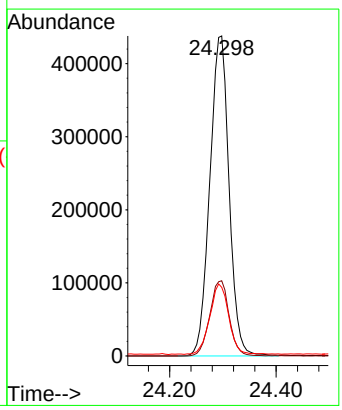
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

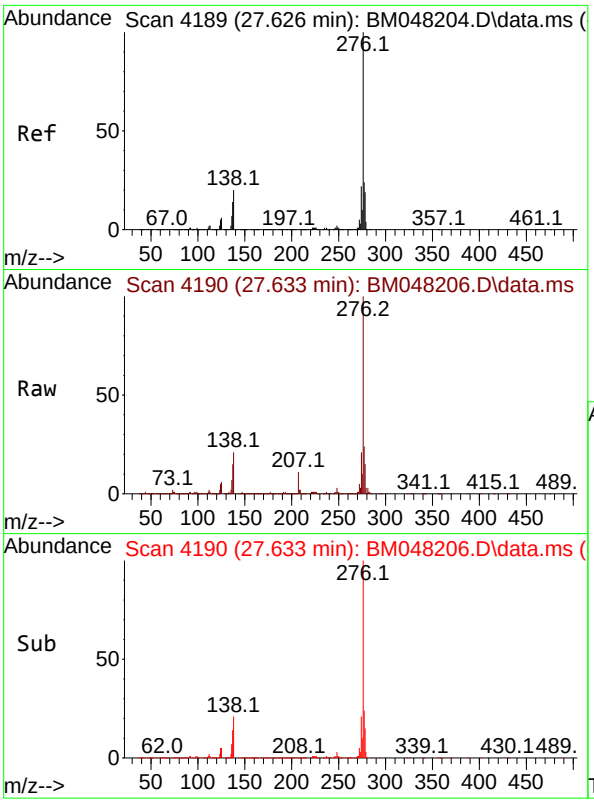


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.298 min Scan# 3623
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:264 Resp: 1096672

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.4	17.4	26.2

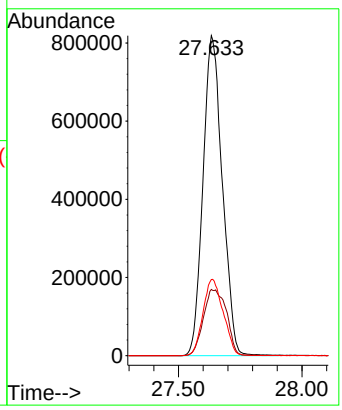




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.475 ng
RT: 27.633 min Scan# 4
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:276 Resp: 445813

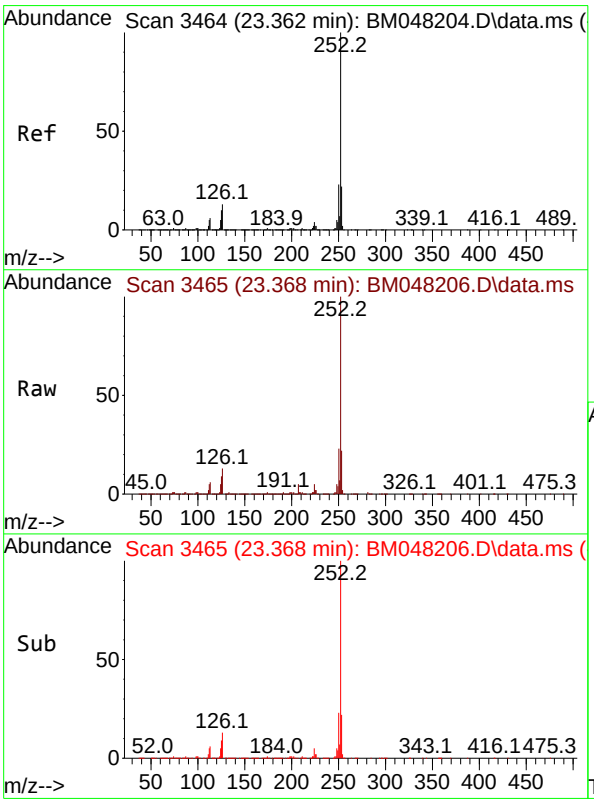
Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

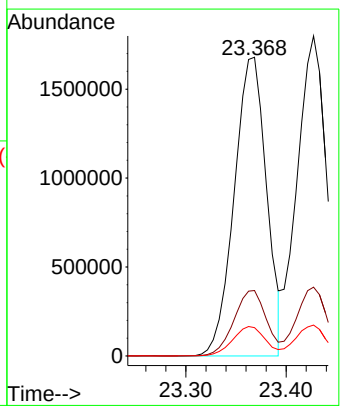
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

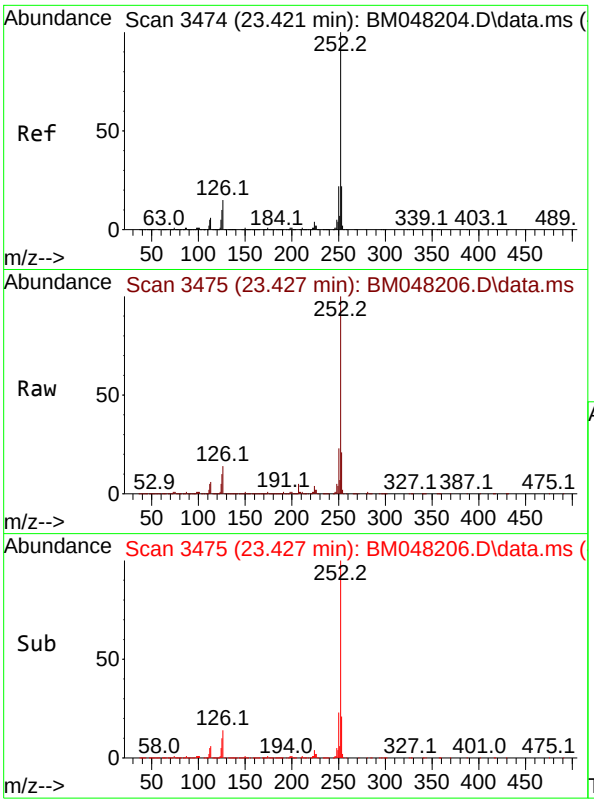


#88
Benzo(b)fluoranthene
Concen: 59.775 ng
RT: 23.368 min Scan# 3465
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:252 Resp: 3758579

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.5	7.9	11.9

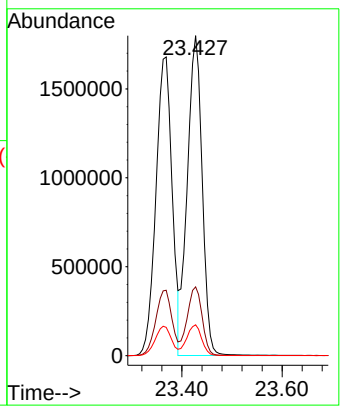




#89
Benzo(k)fluoranthene
Concen: 60.791 ng
RT: 23.427 min Scan# 34
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:252 Resp: 369577

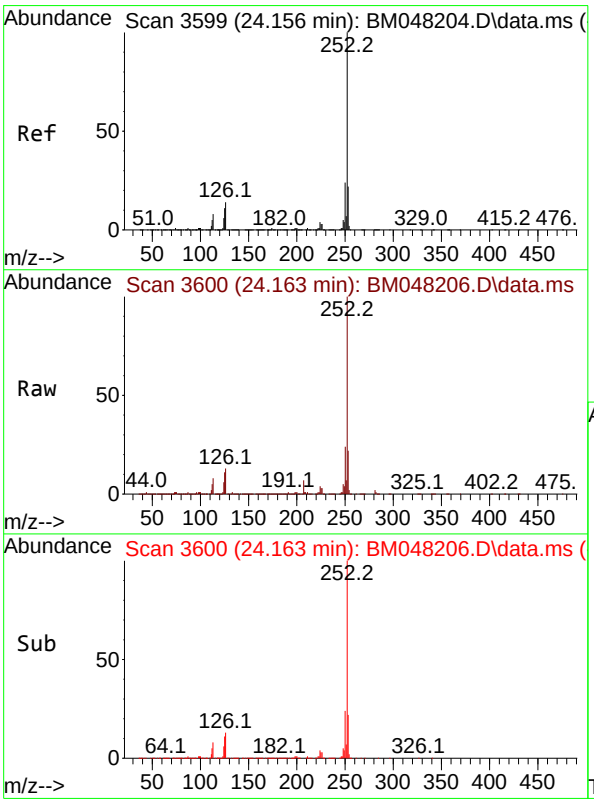
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	9.7	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

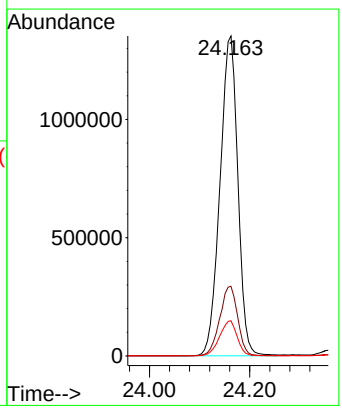
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

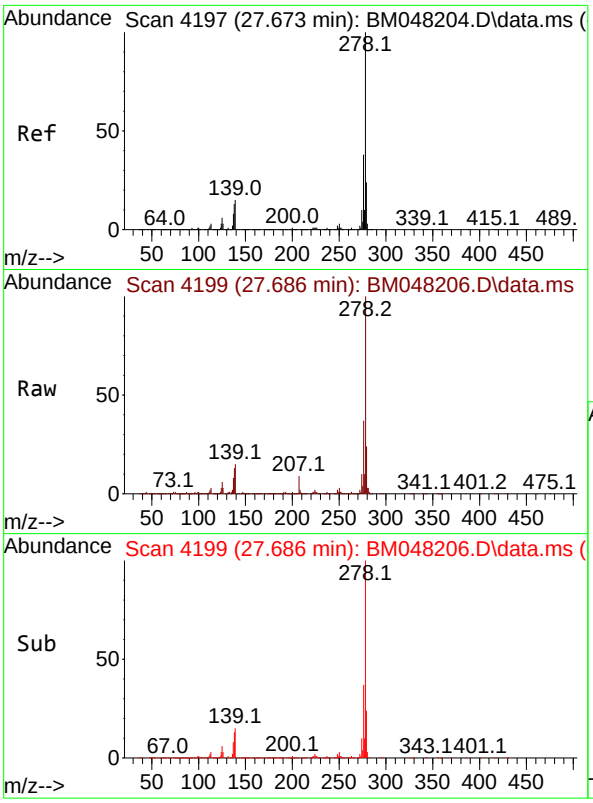


#90
Benzo(a)pyrene
Concen: 61.276 ng
RT: 24.163 min Scan# 3600
Delta R.T. 0.007 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:252 Resp: 3349705

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.0	8.8	13.2

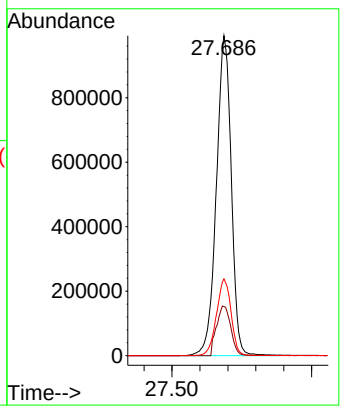




#91
Dibenzo(a,h)anthracene
Concen: 60.934 ng
RT: 27.686 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:278 Resp: 367984

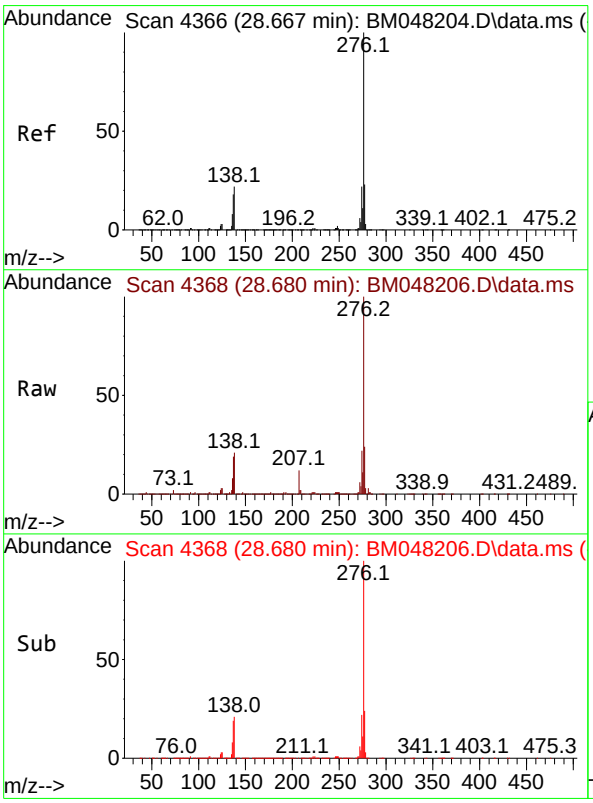
Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.2	18.4
279	24.0	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

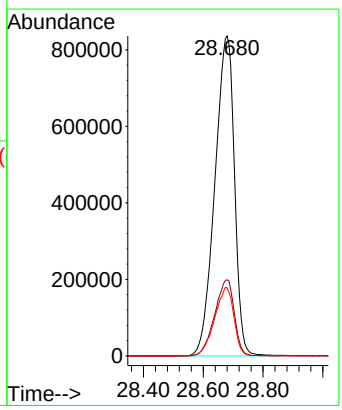
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 61.502 ng
RT: 28.680 min Scan# 4368
Delta R.T. 0.012 min
Lab File: BM048206.D
Acq: 23 Oct 2024 16:23

Tgt Ion:276 Resp: 3803274

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	21.3	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048207.D
Acq On : 23 Oct 2024 17:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:02:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	220902	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	860065	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	526464	20.000	ng	0.00
64) Phenanthrene-d10	17.110	188	1034551	20.000	ng	0.00
76) Chrysene-d12	21.339	240	907221	20.000	ng	0.00
86) Perylene-d12	24.291	264	1108351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	2028320	154.344	ng	0.00
7) Phenol-d6	6.910	99	2632492	153.816	ng	0.00
23) Nitrobenzene-d5	8.887	82	2355579	154.643	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	982069	152.401	ng	0.00
45) 2-Fluorobiphenyl	12.992	172	4988797	145.410	ng	0.00
79) Terphenyl-d14	19.739	244	6582557	148.070	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	382219	71.053	ng	99
3) Pyridine	3.605	79	1085468m	76.086	ng	
4) n-Nitrosodimethylamine	3.516	42	454677	74.939	ng	98
6) Aniline	7.057	93	938883	66.089	ng	99
8) 2-Chlorophenol	7.293	128	1101787	77.170	ng	99
10) Phenol	6.940	94	1342110	77.944	ng	99
11) bis(2-Chloroethyl)ether	7.151	93	1059660	77.263	ng	100
12) 1,3-Dichlorobenzene	7.610	146	1229854	74.716	ng	100
13) 1,4-Dichlorobenzene	7.757	146	1250243	74.765	ng	99
14) 1,2-Dichlorobenzene	8.075	146	1193339	73.839	ng	100
15) Benzyl Alcohol	7.975	79	870627	79.738	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1464181	72.989	ng	99
17) 2-Methylphenol	8.181	107	886368	77.468	ng	98
18) Hexachloroethane	8.798	117	462021	75.382	ng	99
19) n-Nitroso-di-n-propyla...	8.540	70	778171	71.870	ng	98
20) 3+4-Methylphenols	8.510	107	1229458	77.568	ng	98
22) Acetophenone	8.551	105	1586445	75.580	ng	98
24) Nitrobenzene	8.928	77	1211841	76.784	ng	98
25) Isophorone	9.457	82	2142976	76.752	ng	100
26) 2-Nitrophenol	9.634	139	618383	84.859	ng	99
27) 2,4-Dimethylphenol	9.704	122	713271	80.677	ng	99
28) bis(2-Chloroethoxy)met...	9.934	93	1380185	78.117	ng	99
29) 2,4-Dichlorophenol	10.175	162	1031388	81.095	ng	100
30) 1,2,4-Trichlorobenzene	10.381	180	1123388	77.123	ng	100
31) Naphthalene	10.563	128	3393311	75.646	ng	100
32) Benzoic acid	9.910	122	887302	89.775	ng	99
33) 4-Chloroaniline	10.687	127	1027262	70.610	ng	99
34) Hexachlorobutadiene	10.851	225	686284	76.020	ng	97
35) Caprolactam	11.504	113	338829	82.144	ng	99
36) 4-Chloro-3-methylphenol	11.822	107	1057826	79.675	ng	100
37) 2-Methylnaphthalene	12.181	142	2260440	75.421	ng	99
38) 1-Methylnaphthalene	12.404	142	2230592	75.055	ng	99
40) 1,2,4,5-Tetrachloroben...	12.557	216	1168631	77.663	ng	99
41) Hexachlorocyclopentadiene	12.533	237	402944	79.133	ng	97
43) 2,4,6-Trichlorophenol	12.804	196	803779	80.491	ng	99
44) 2,4,5-Trichlorophenol	12.880	196	890729	79.988	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048207.D
Acq On : 23 Oct 2024 17:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:02:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.204	154	2845451	75.702	ng	100
47) 2-Chloronaphthalene	13.245	162	2257326	76.166	ng	99
48) 2-Nitroaniline	13.451	65	665724	82.820	ng	99
49) Acenaphthylene	14.092	152	3327325	76.952	ng	99
50) Dimethylphthalate	13.839	163	2722705	75.757	ng	99
51) 2,6-Dinitrotoluene	13.951	165	651041	81.185	ng	98
52) Acenaphthene	14.433	154	2069358	75.321	ng	99
53) 3-Nitroaniline	14.286	138	607949	80.389	ng	96
54) 2,4-Dinitrophenol	14.492	184	410527	87.605	ng	96
55) Dibenzofuran	14.769	168	3220815	73.789	ng	99
56) 4-Nitrophenol	14.610	139	571964	84.742	ng	99
57) 2,4-Dinitrotoluene	14.745	165	880658	83.161	ng	98
58) Fluorene	15.421	166	2477076	71.768	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	711895	77.127	ng	100
60) Diethylphthalate	15.198	149	2760291	75.856	ng	100
61) 4-Chlorophenyl-phenyle...	15.410	204	1250232	72.445	ng	99
62) 4-Nitroaniline	15.451	138	691122	88.303	ng	99
63) Azobenzene	15.704	77	2484551	76.180	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	530349	88.353	ng	95
66) n-Nitrosodiphenylamine	15.633	169	2155575	75.900	ng	100
67) 4-Bromophenyl-phenylether	16.304	248	808728	77.103	ng	99
68) Hexachlorobenzene	16.421	284	958616	76.094	ng	98
70) Pentachlorophenol	16.768	266	679039	82.099	ng	100
71) Phenanthrene	17.157	178	3849832	75.151	ng	99
72) Anthracene	17.245	178	3791795	76.462	ng	100
73) Carbazole	17.521	167	3771725	77.584	ng	100
74) Di-n-butylphthalate	18.080	149	4806034	79.423	ng	99
75) Fluoranthene	19.168	202	4621473	75.627	ng	99
77) Benzidine	19.357	184	808103	77.181	ng	100
78) Pyrene	19.533	202	4824103	79.444	ng	100
80) Butylbenzylphthalate	20.433	149	2176372	85.709	ng	99
81) Benzo(a)anthracene	21.321	228	4560643	78.667	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	1530506	77.073	ng	98
83) Chrysene	21.386	228	4272014	76.770	ng	99
84) Bis(2-ethylhexyl)phtha...	21.245	149	2986988	80.935	ng	100
85) Di-n-octyl phthalate	22.362	149	5616584	87.870	ng	99
87) Indeno(1,2,3-cd)pyrene	27.638	276	5765631	78.667	ng	100
88) Benzo(b)fluoranthene	23.368	252	4971836	78.237	ng	99
89) Benzo(k)fluoranthene	23.433	252	4643246	75.572	ng	99
90) Benzo(a)pyrene	24.162	252	4354342	78.814	ng	99
91) Dibenzo(a,h)anthracene	27.691	278	4739552	77.655	ng	100
92) Benzo(g,h,i)perylene	28.691	276	4889796	78.238	ng	99

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

ICAL Form

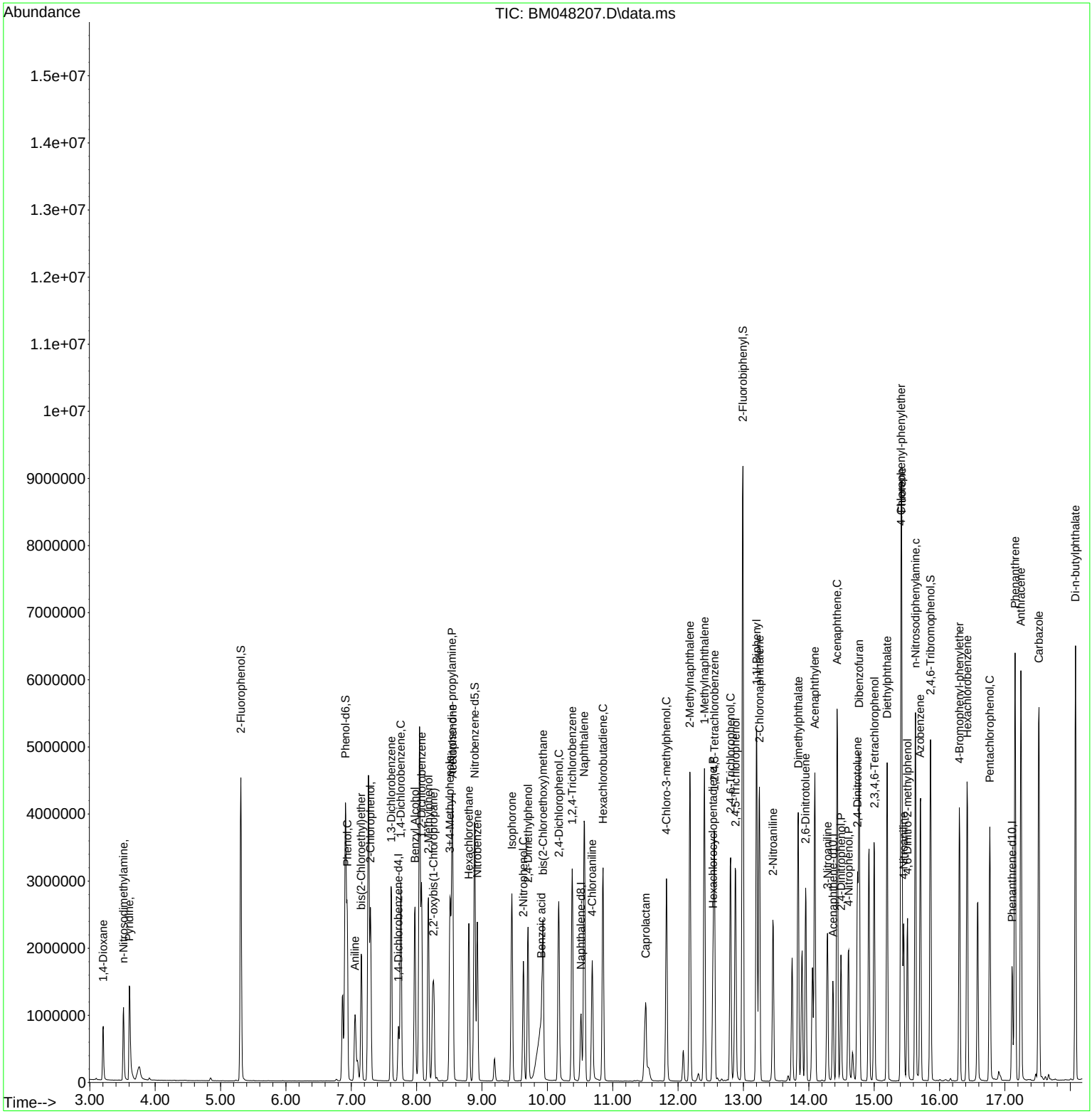
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Data File : BM048207.D
Acq On : 23 Oct 2024 17:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 23 18:02:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

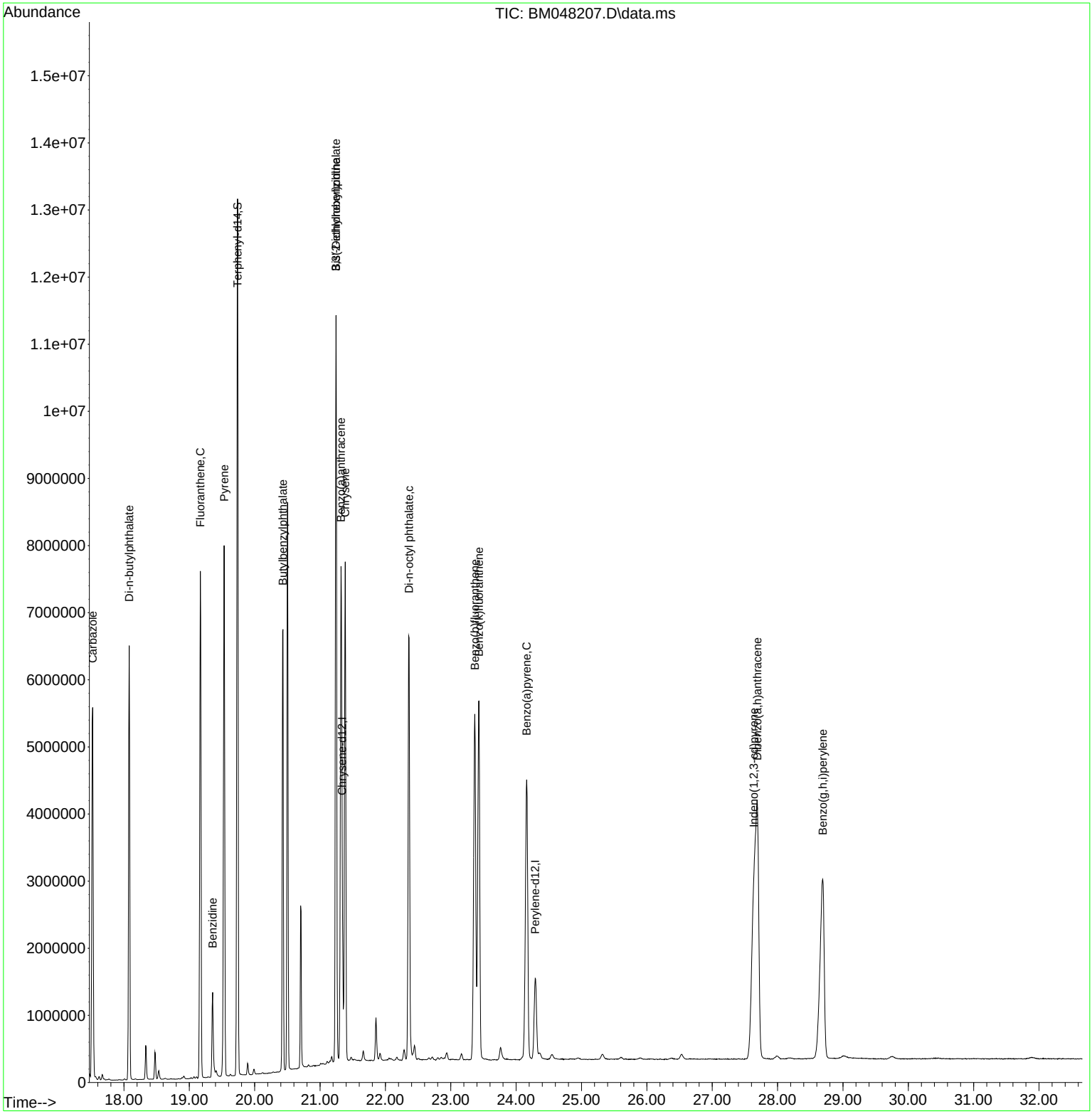
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Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

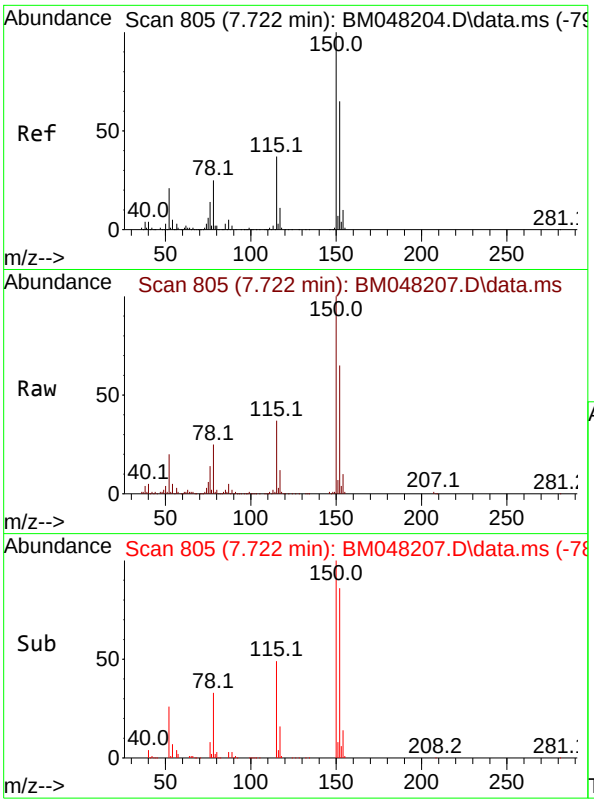
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 17:45:46 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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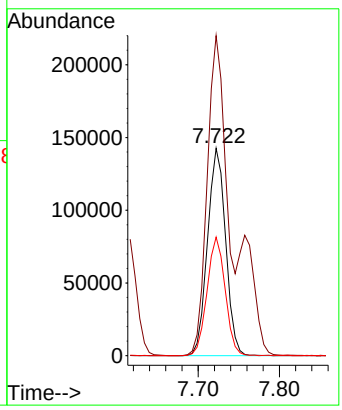




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:152 Resp: 220901

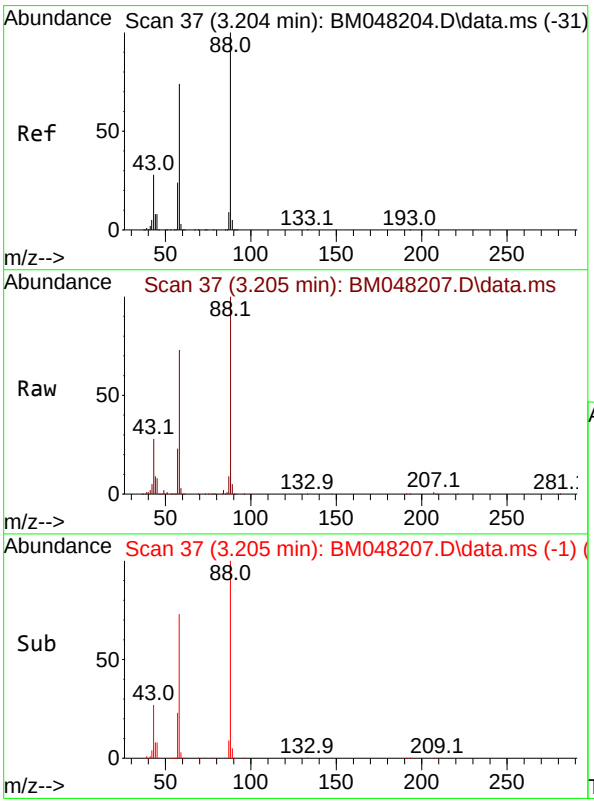
Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.0	184.6
115	57.2	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

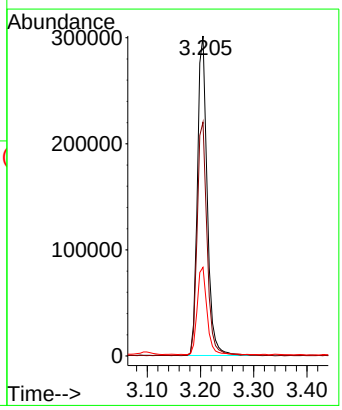
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

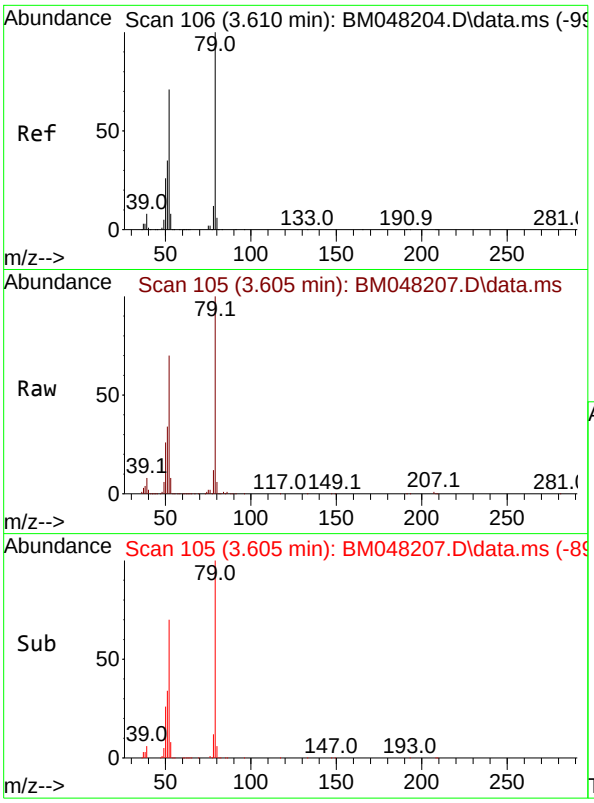


#2
1,4-Dioxane
Concen: 71.053 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 88 Resp: 382219

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.7	89.5
43	27.5	22.6	33.8

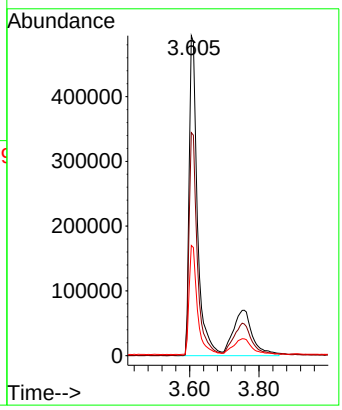




#3
Pyridine
Concen: 76.086 ng m
RT: 3.605 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 79 Resp: 108546

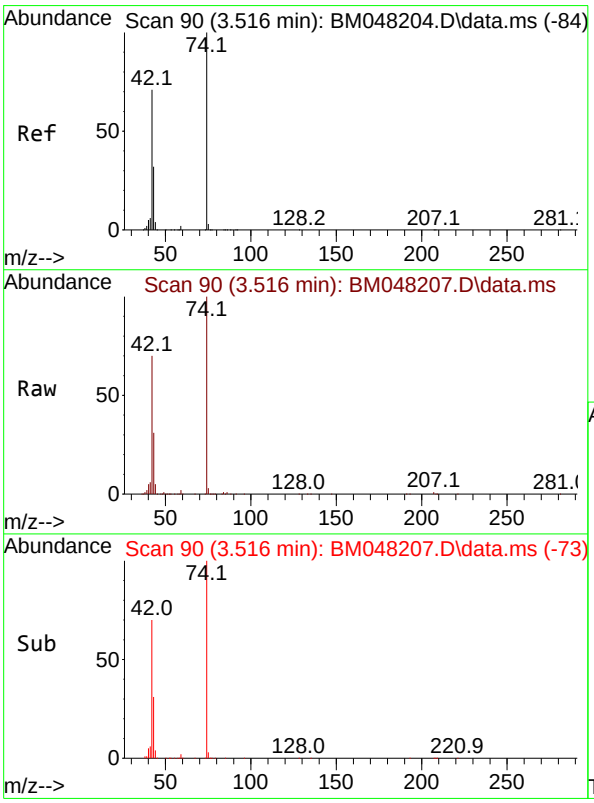
Ion	Ratio	Lower	Upper
79	100		
52	69.7	56.5	84.7
51	34.5	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

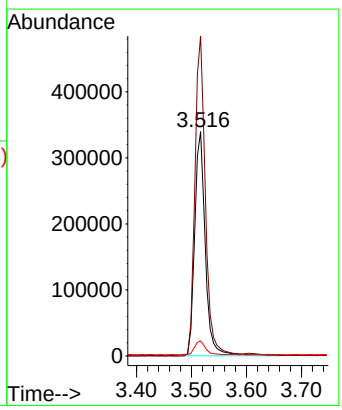
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

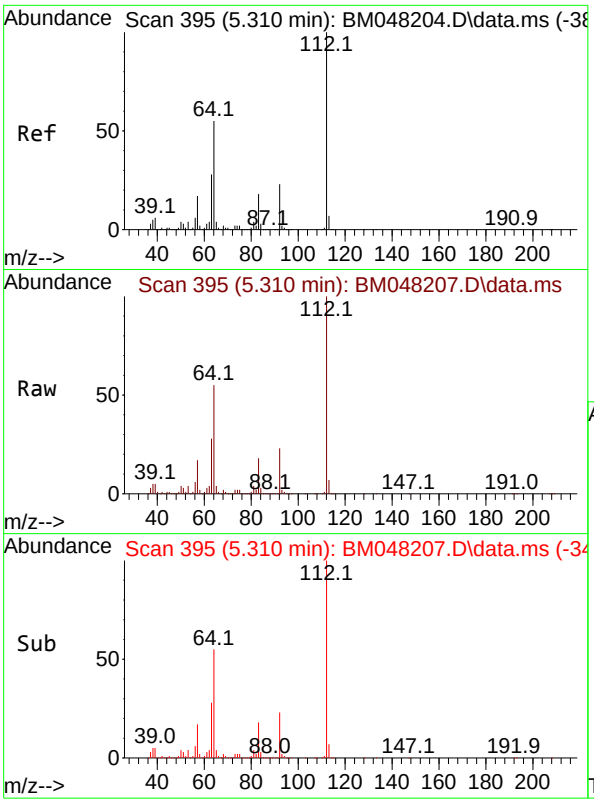


#4
n-Nitrosodimethylamine
Concen: 74.939 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 42 Resp: 454677

Ion	Ratio	Lower	Upper
42	100		
74	142.7	111.8	167.6
44	6.7	6.0	9.0

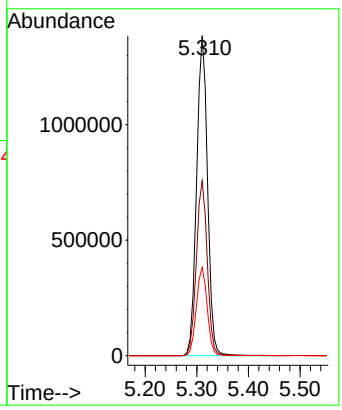




#5
2-Fluorophenol
Concen: 154.344 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:112 Resp: 202832

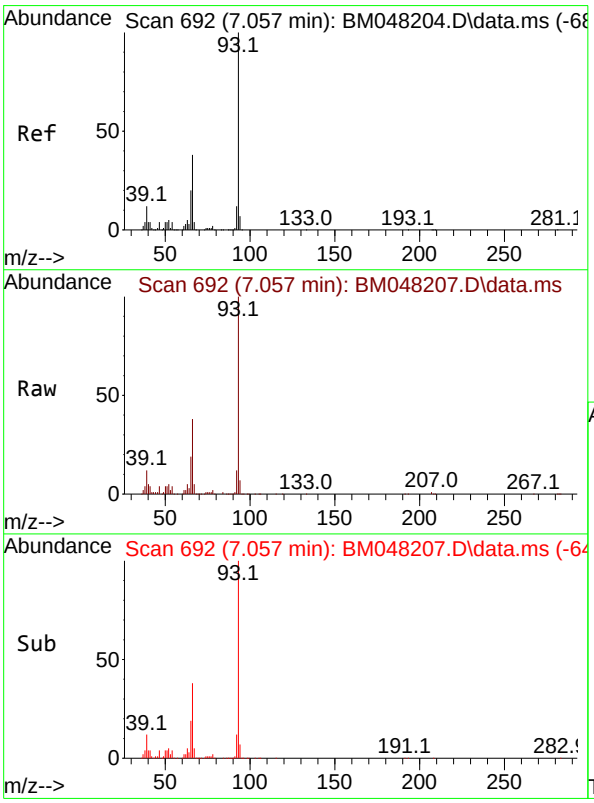
Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.2	66.2
63	27.5	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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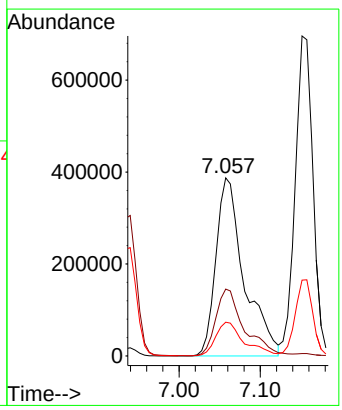
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

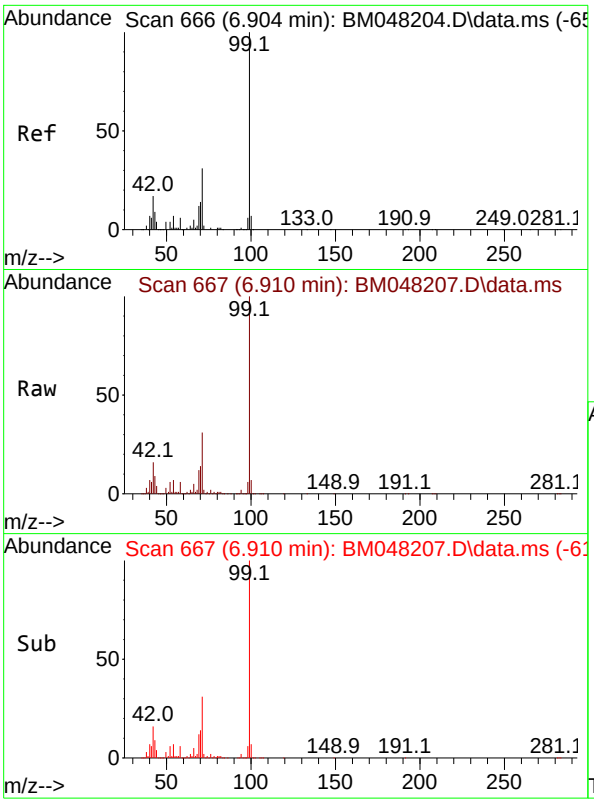


#6
Aniline
Concen: 66.089 ng
RT: 7.057 min Scan# 692
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 93 Resp: 938883

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.0	16.2	24.2

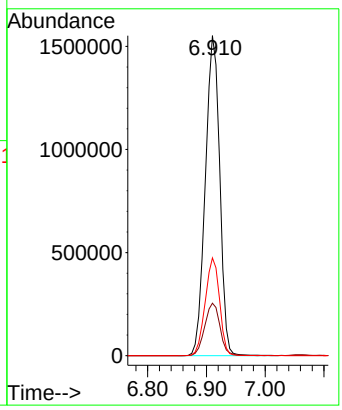




#7
Phenol-d6
Concen: 153.816 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 99 Resp: 263249

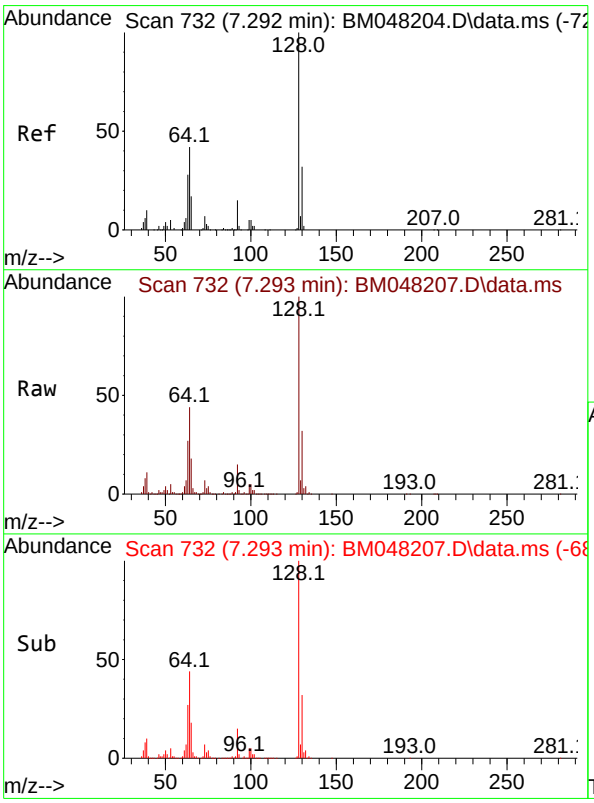
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.8	20.8
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

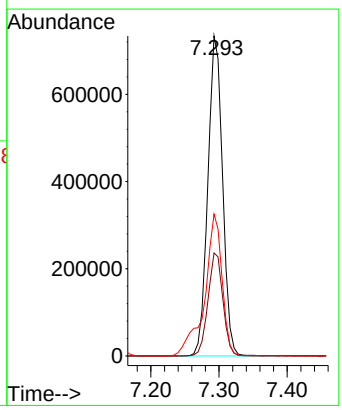
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

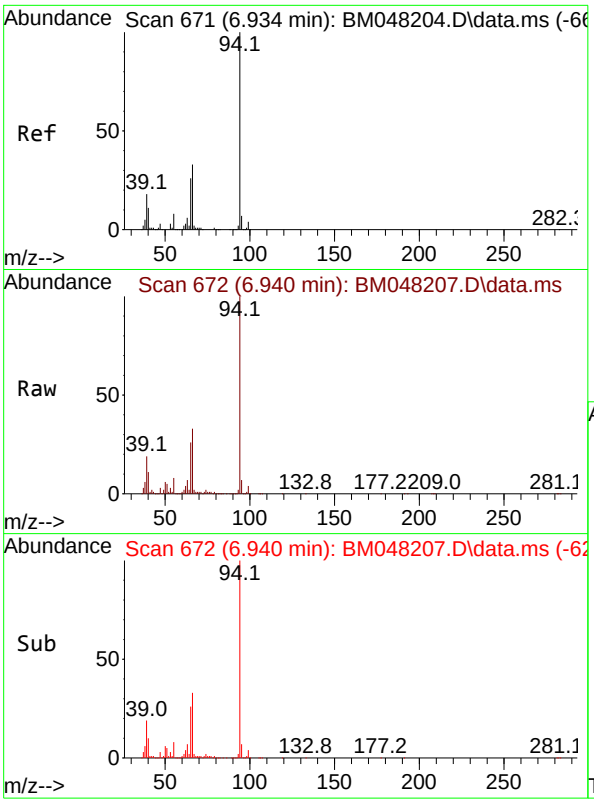


#8
2-Chlorophenol
Concen: 77.170 ng
RT: 7.293 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:128 Resp: 1101787

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.1	52.1
64	44.4	23.8	63.8

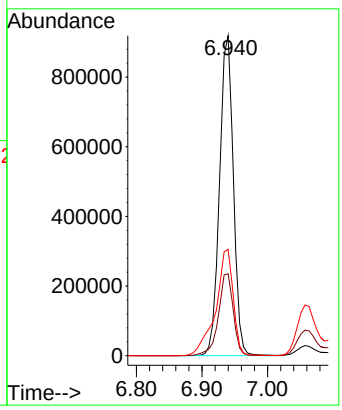




#10
Phenol
Concen: 77.944 ng
RT: 6.940 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 94 Resp: 134211

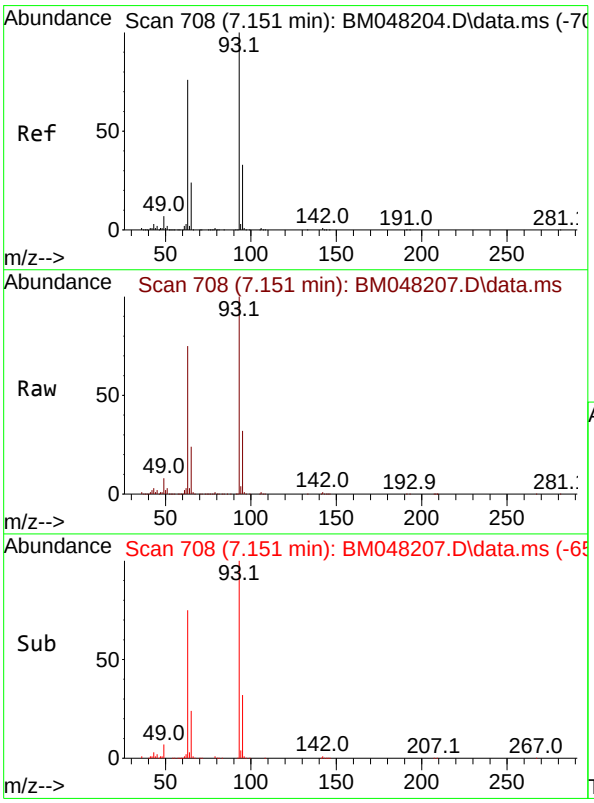
Ion	Ratio	Lower	Upper
94	100		
65	25.6	6.5	46.5
66	33.3	13.6	53.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

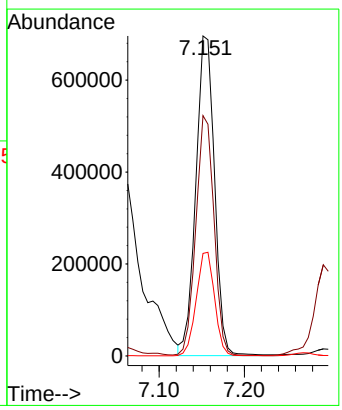
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

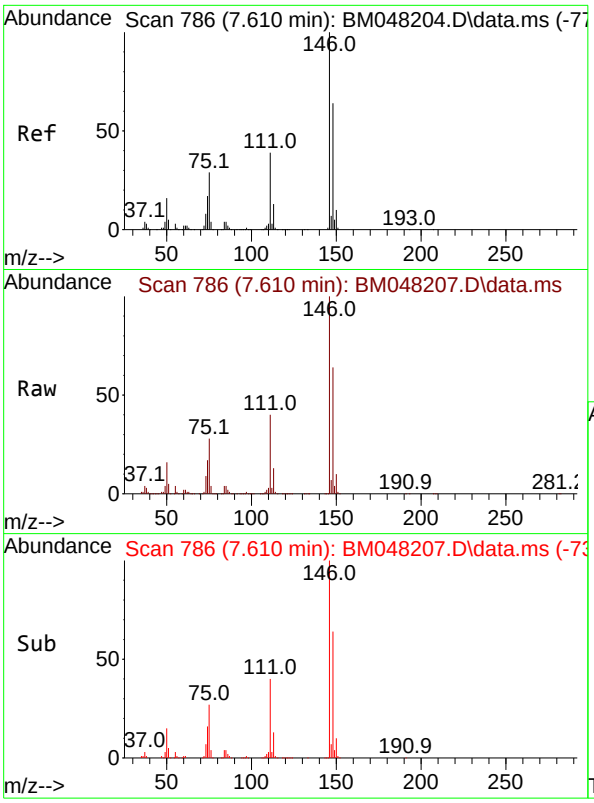


#11
bis(2-Chloroethyl)ether
Concen: 77.263 ng
RT: 7.151 min Scan# 708
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 93 Resp: 1059660

Ion	Ratio	Lower	Upper
93	100		
63	75.1	55.3	95.3
95	32.1	12.4	52.4

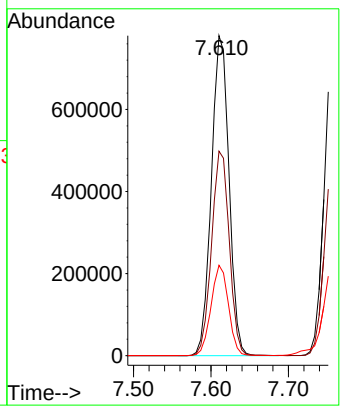




#12
1,3-Dichlorobenzene
Concen: 74.716 ng
RT: 7.610 min Scan# 78
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:146 Resp: 122985

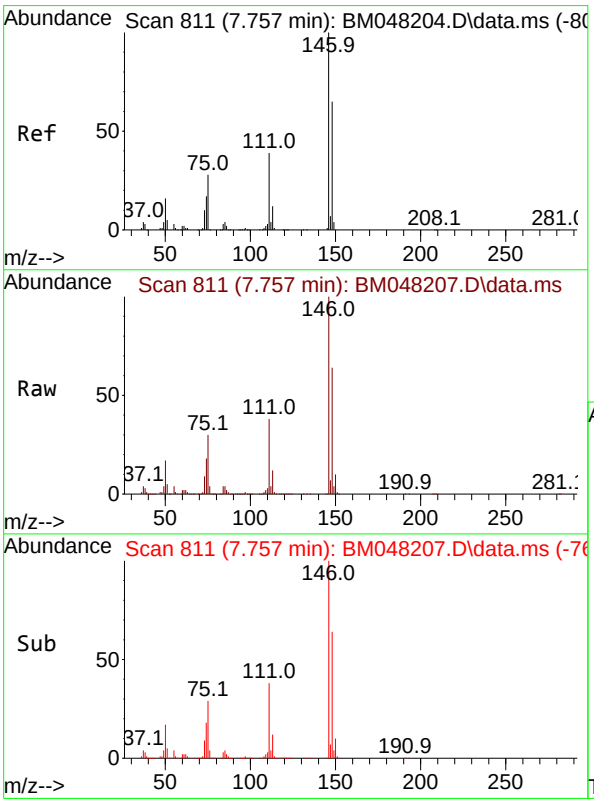
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
75	28.3	22.9	34.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

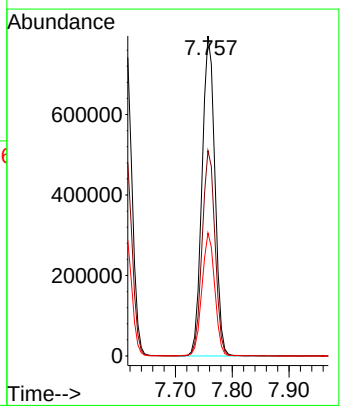
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

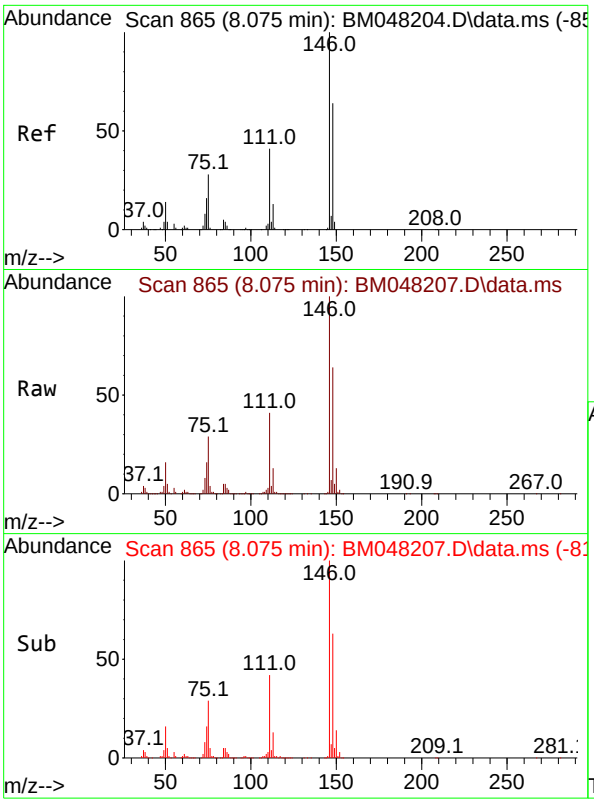


#13
1,4-Dichlorobenzene
Concen: 74.765 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:146 Resp: 1250243

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.7	77.5
111	38.5	31.4	47.2





#14
1,2-Dichlorobenzene
Concen: 73.839 ng
RT: 8.075 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

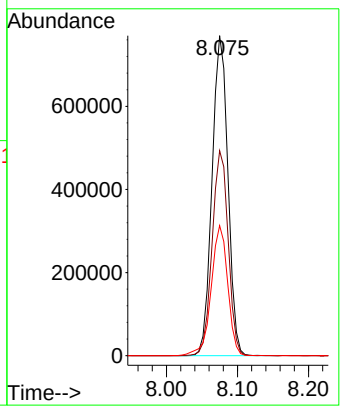
Tgt Ion:146 Resp: 119333

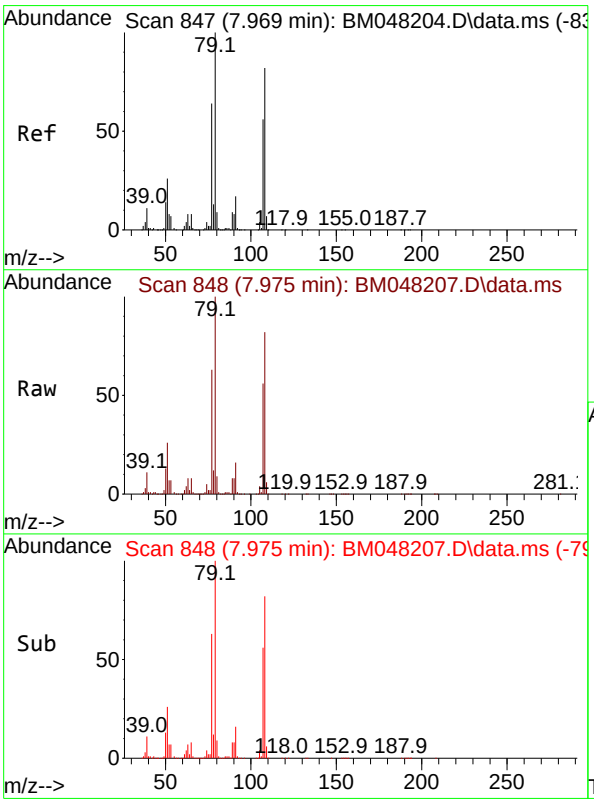
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	40.7	32.7	49.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

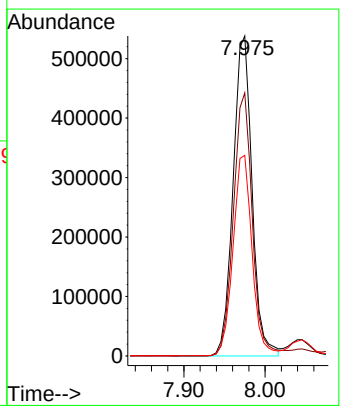


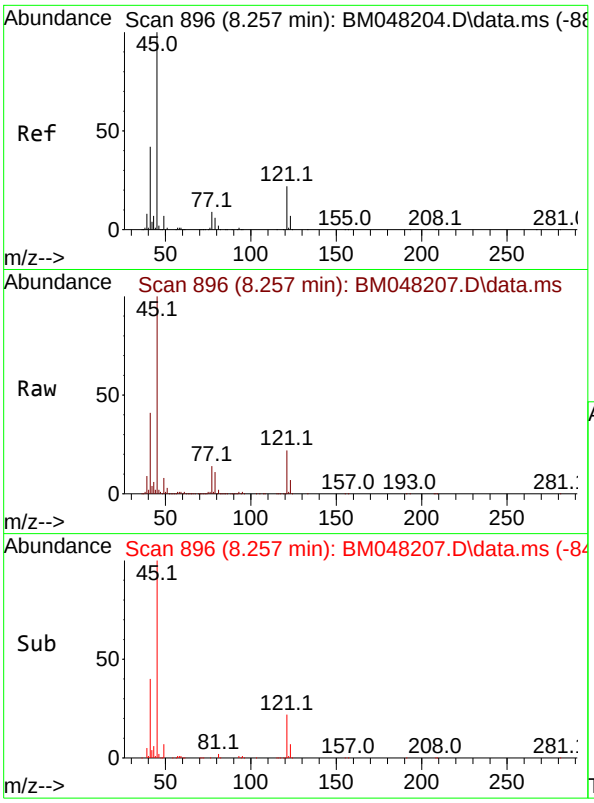


#15
Benzyl Alcohol
Concen: 79.738 ng
RT: 7.975 min Scan# 848
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 79 Resp: 870627

Ion	Ratio	Lower	Upper
79	100		
108	82.2	65.2	97.8
77	62.7	51.4	77.2

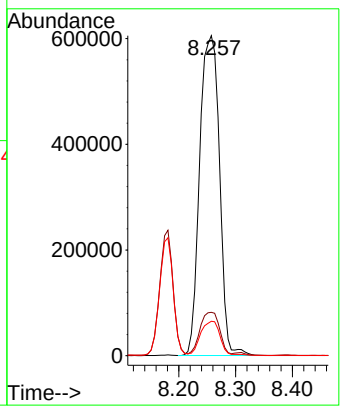




#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.989 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 45 Resp: 146418

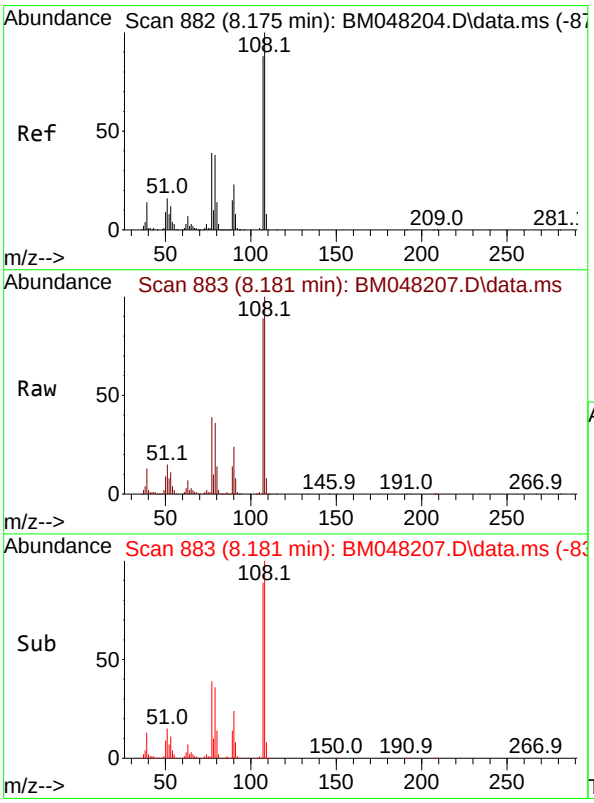
Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.2
79	10.8	0.0	30.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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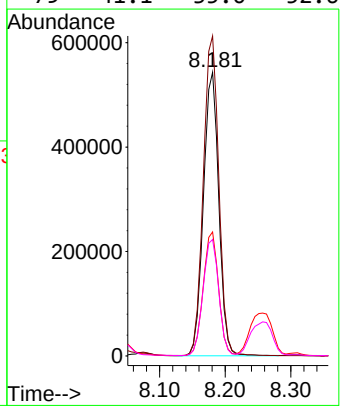
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

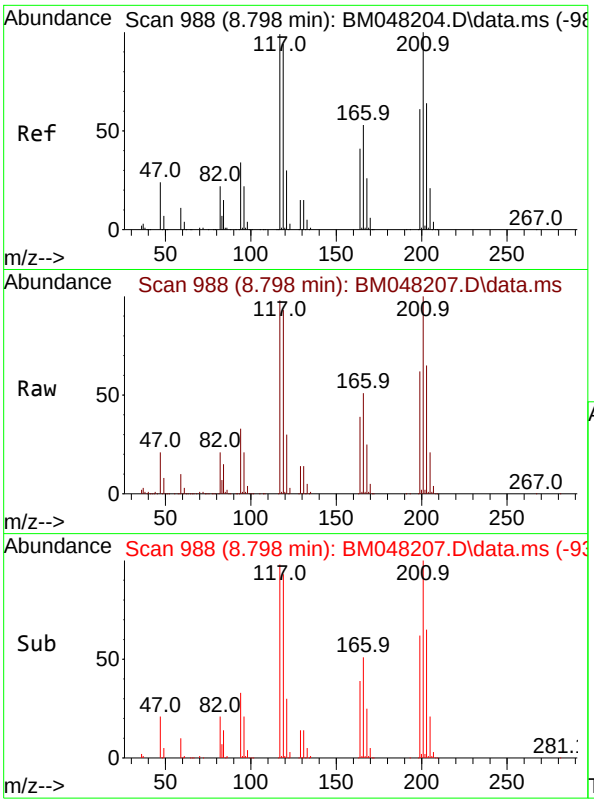


#17
2-Methylphenol
Concen: 77.468 ng
RT: 8.181 min Scan# 883
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:107 Resp: 886368

Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.3	136.9
77	43.7	36.2	54.2
79	41.1	35.0	52.6

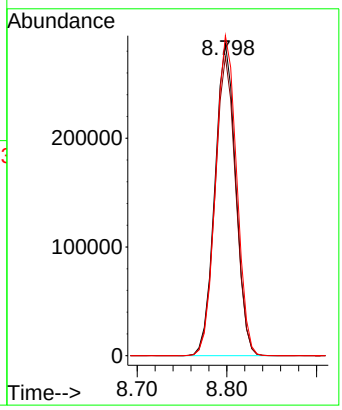




#18
Hexachloroethane
Concen: 75.382 ng
RT: 8.798 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:117 Resp: 46202

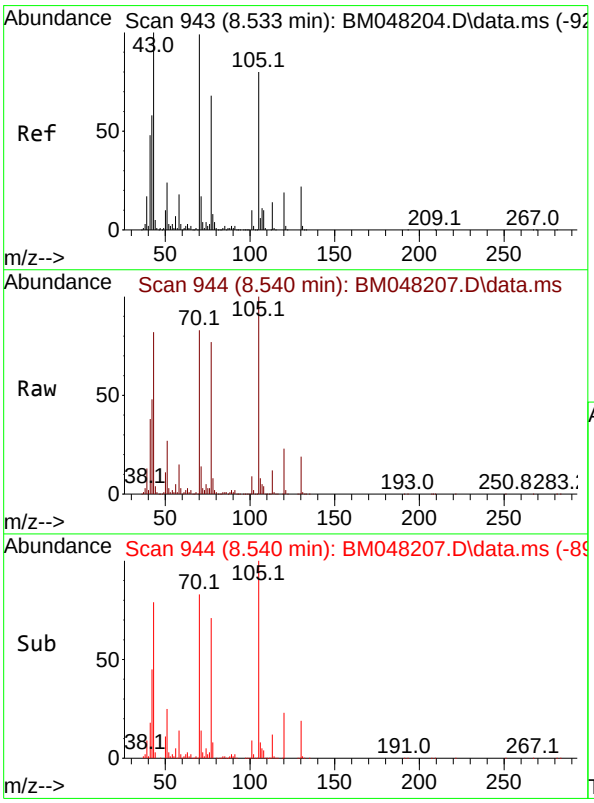
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.5	114.7
201	102.5	80.9	121.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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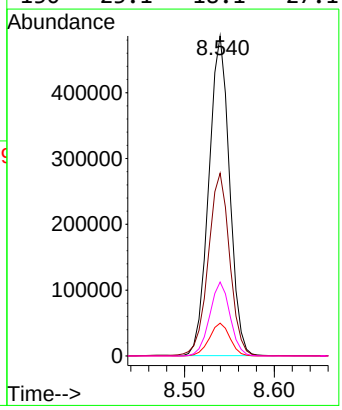
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

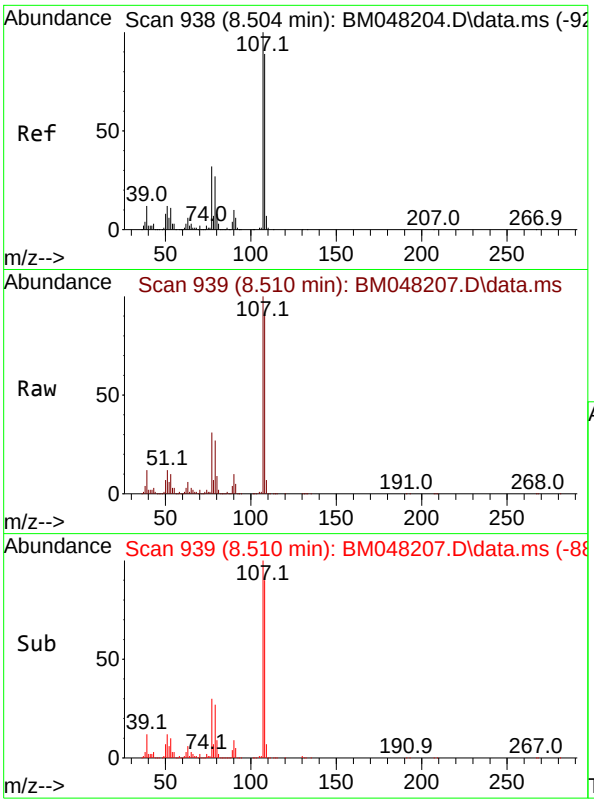


#19
n-Nitroso-di-n-propylamine
Concen: 71.870 ng
RT: 8.540 min Scan# 944
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 70 Resp: 778171

Ion	Ratio	Lower	Upper
70	100		
42	57.1	47.0	70.6
101	10.3	7.8	11.6
130	23.1	18.1	27.1

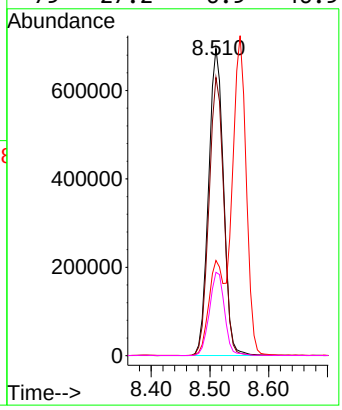




#20
3+4-Methylphenols
Concen: 77.568 ng
RT: 8.510 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:107 Resp: 122945

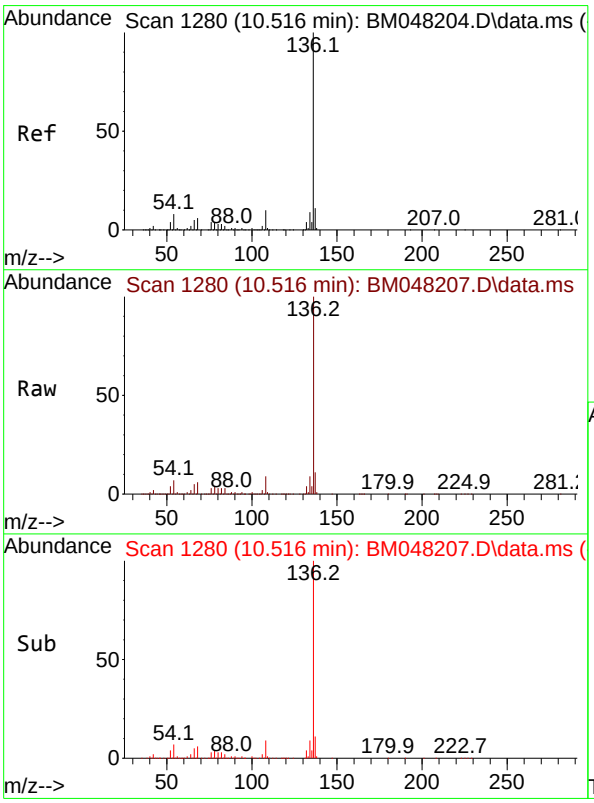
Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.0	109.0
77	31.0	12.3	52.3
79	27.2	6.9	46.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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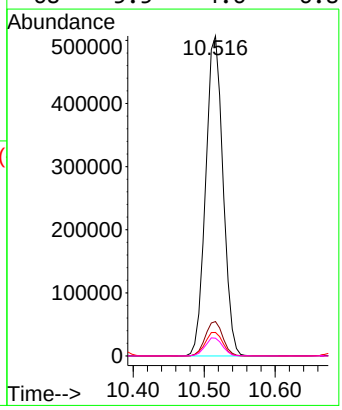
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

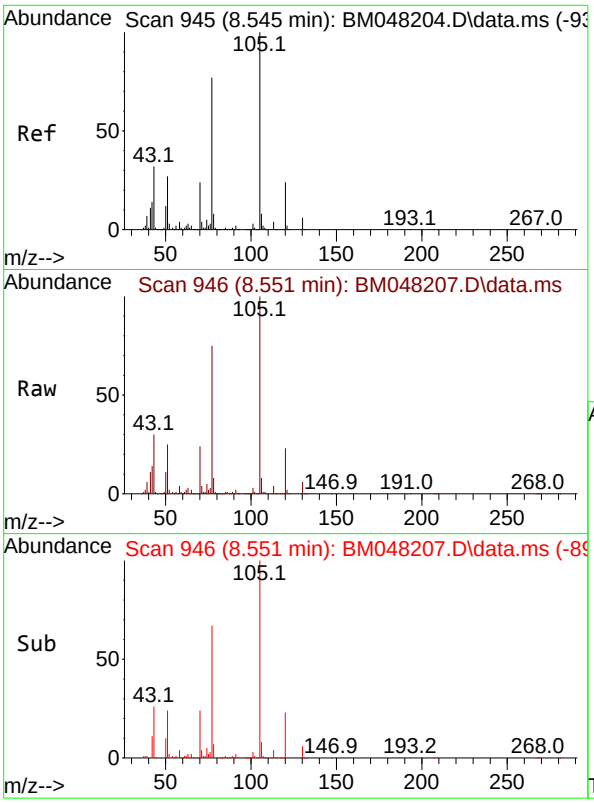


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:136 Resp: 860065

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.5	9.7
68	5.5	4.6	6.8

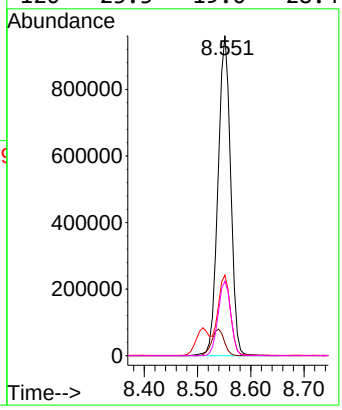




#22
Acetophenone
Concen: 75.580 ng
RT: 8.551 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:105 Resp: 158644

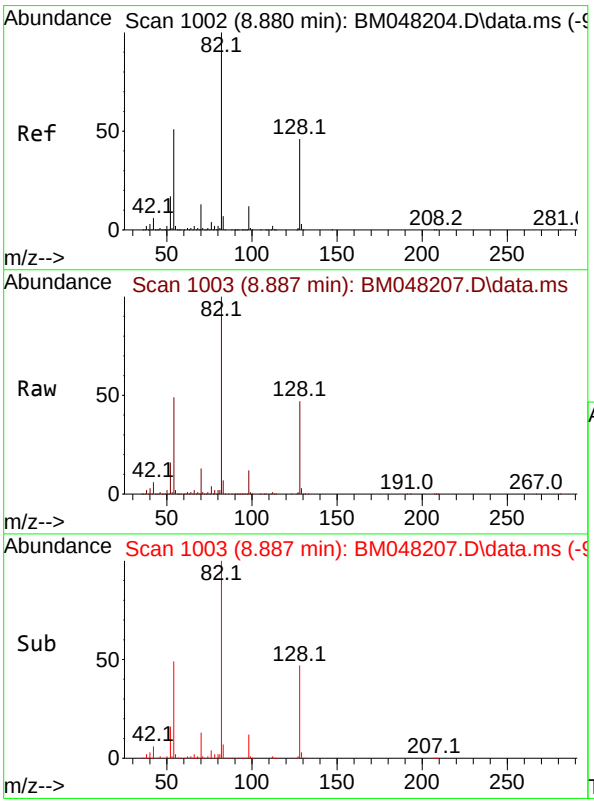
Ion	Ratio	Lower	Upper
105	100		
71	4.0	3.4	5.0
51	25.2	21.7	32.5
120	23.3	19.0	28.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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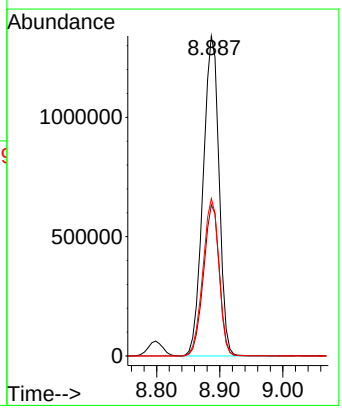
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

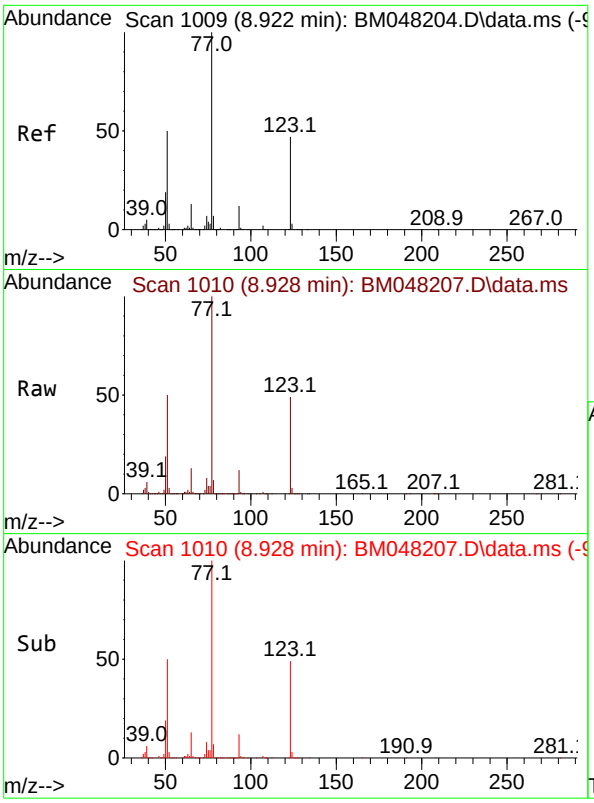


#23
Nitrobenzene-d5
Concen: 154.643 ng
RT: 8.887 min Scan# 1003
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 82 Resp: 2355579

Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.6	54.8
54	49.2	41.0	61.4

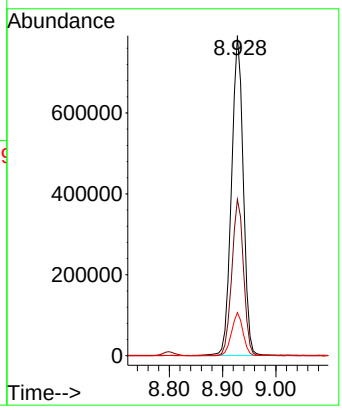




#24
Nitrobenzene
Concen: 76.784 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 77 Resp: 121184

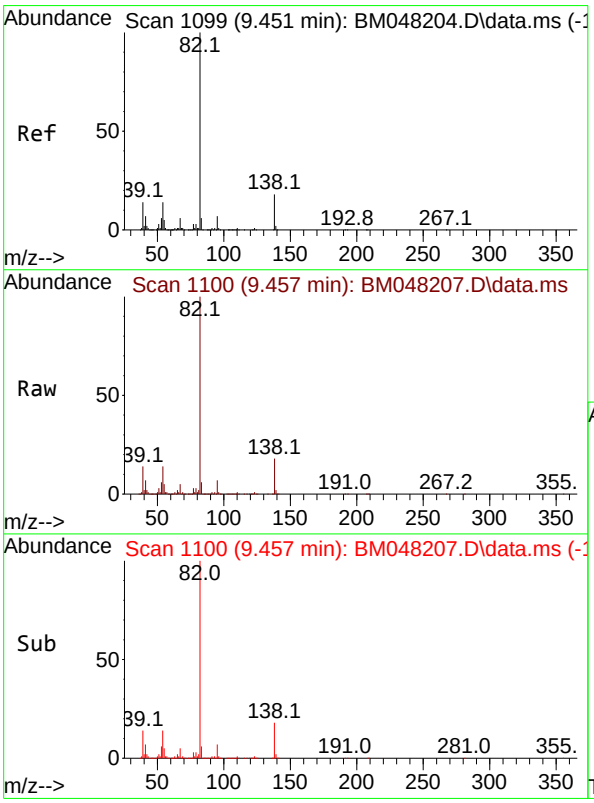
Ion	Ratio	Lower	Upper
77	100		
123	48.9	37.8	56.6
65	13.5	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

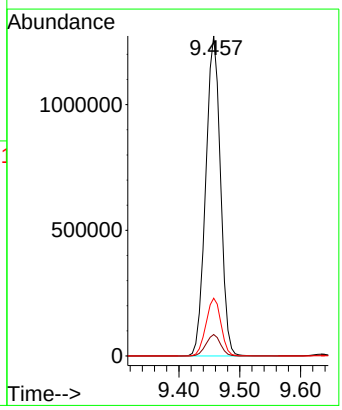
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

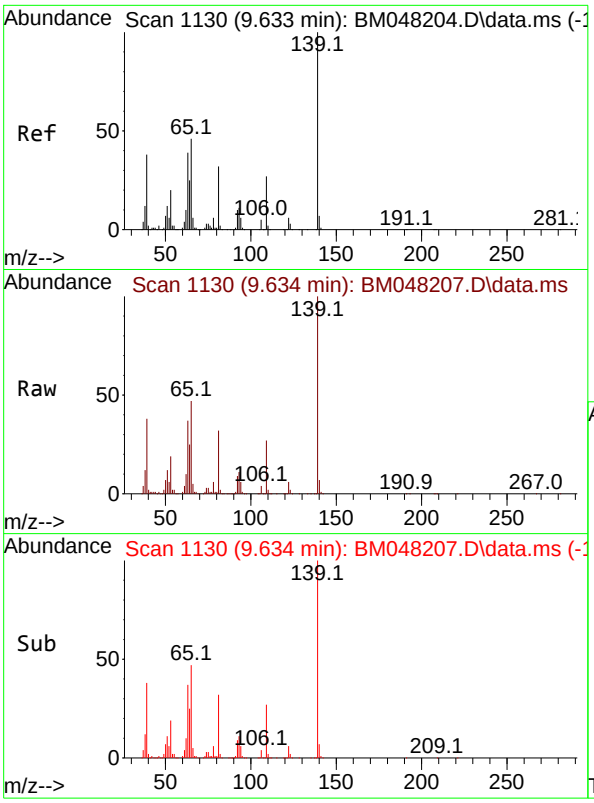


#25
Isophorone
Concen: 76.752 ng
RT: 9.457 min Scan# 1100
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 82 Resp: 2142976

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	18.1	14.3	21.5

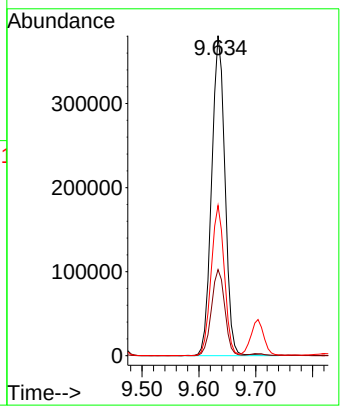




#26
2-Nitrophenol
Concen: 84.859 ng
RT: 9.634 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:139 Resp: 61838

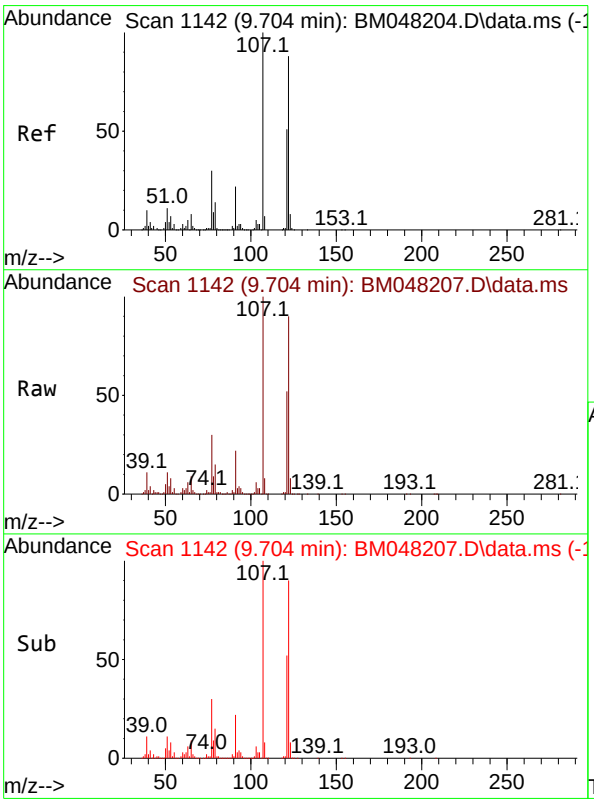
Ion	Ratio	Lower	Upper
139	100		
109	26.9	21.2	31.8
65	46.9	36.8	55.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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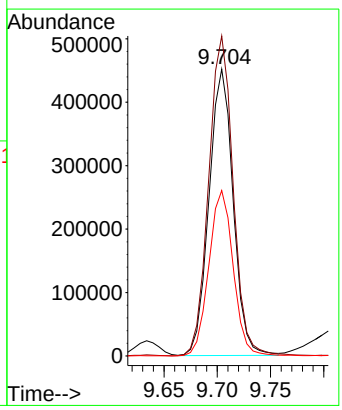
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

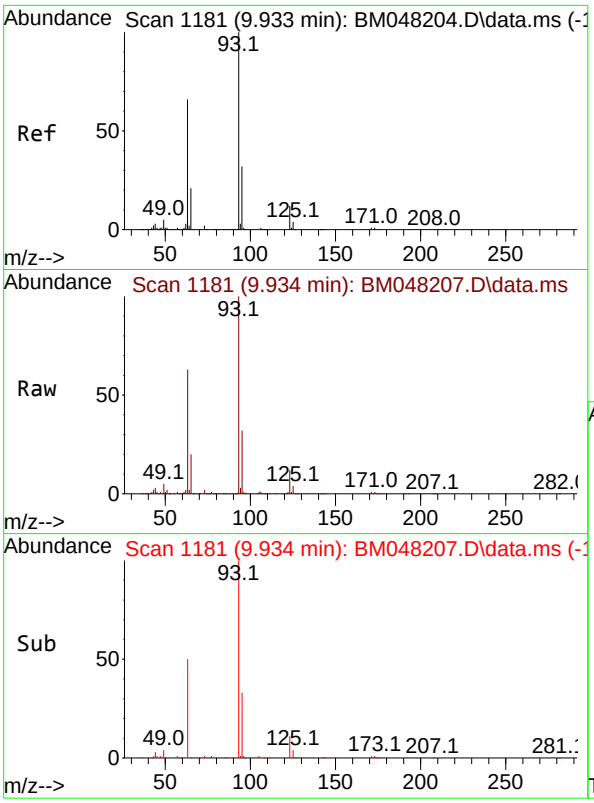


#27
2,4-Dimethylphenol
Concen: 80.677 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:122 Resp: 713271

Ion	Ratio	Lower	Upper
122	100		
107	111.5	91.0	136.6
121	57.6	46.1	69.1

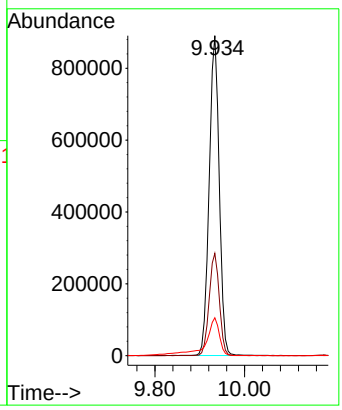




#28
bis(2-Chloroethoxy)methane
Concen: 78.117 ng
RT: 9.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 93 Resp: 138018

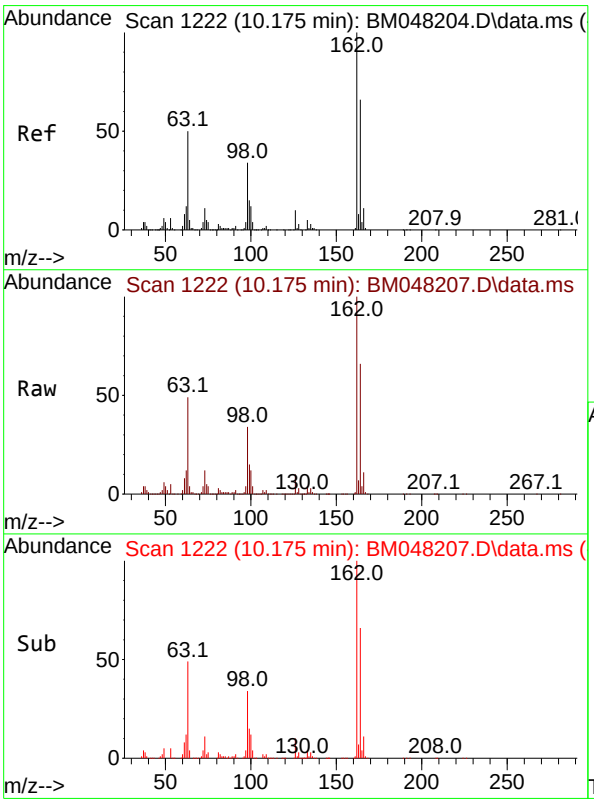
Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.3	37.9
123	11.9	9.8	14.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

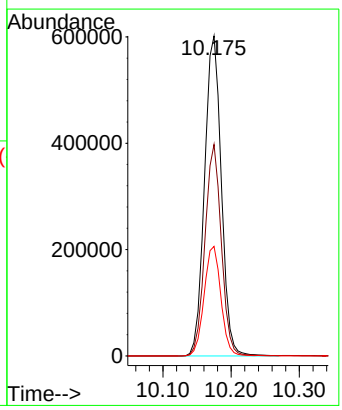
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

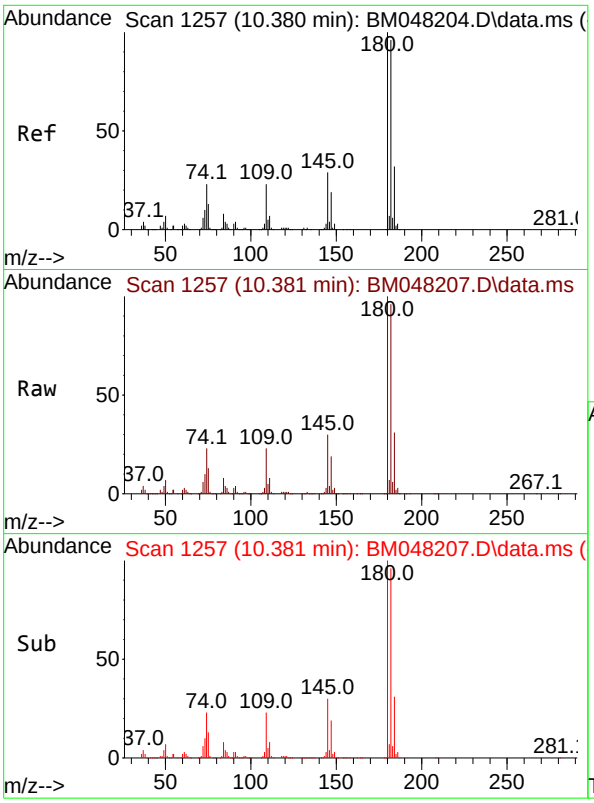


#29
2,4-Dichlorophenol
Concen: 81.095 ng
RT: 10.175 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:162 Resp: 1031388

Ion	Ratio	Lower	Upper
162	100		
164	66.1	46.0	86.0
98	34.3	14.4	54.4

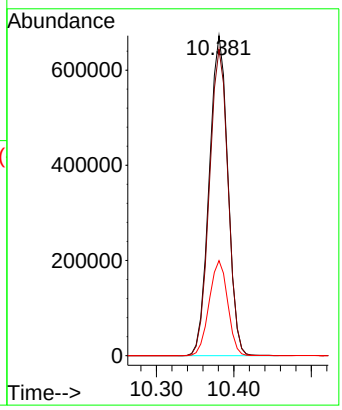




#30
1,2,4-Trichlorobenzene
Concen: 77.123 ng
RT: 10.381 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:180 Resp: 112338

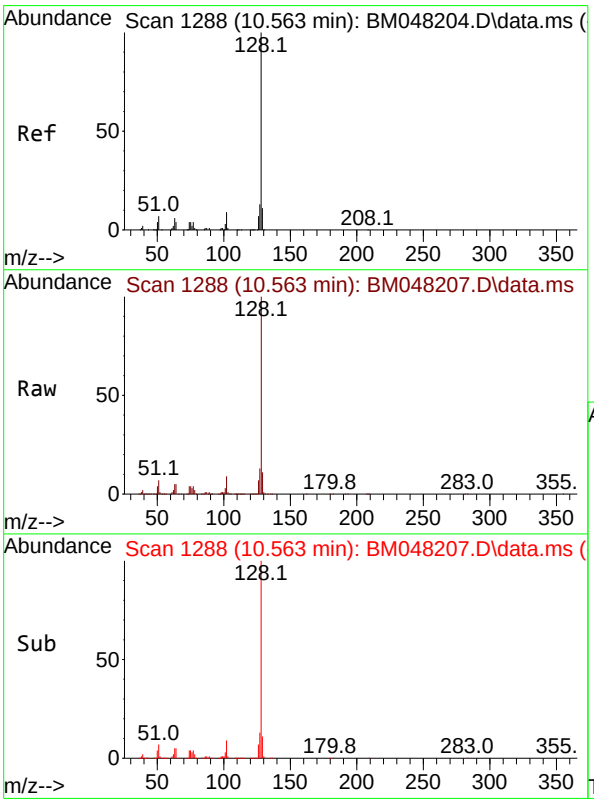
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	29.7	23.4	35.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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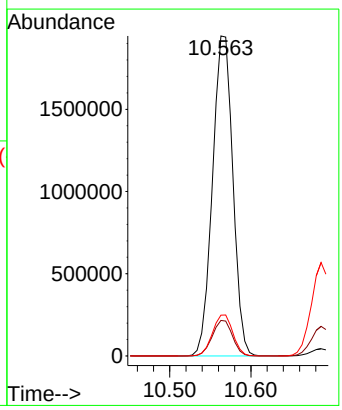
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

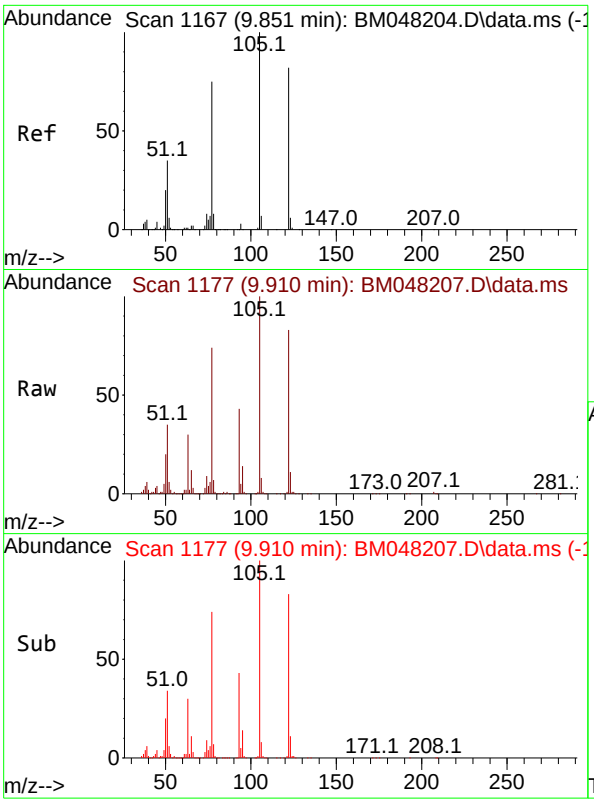


#31
Naphthalene
Concen: 75.646 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:128 Resp: 3393311

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.2	15.2

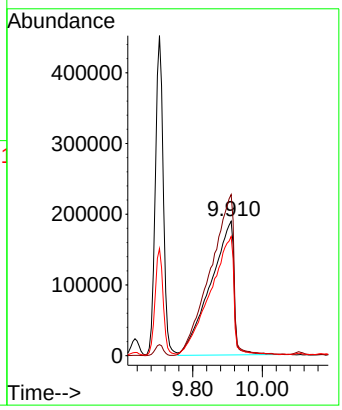




#32
Benzoic acid
Concen: 89.775 ng
RT: 9.910 min Scan# 1
Delta R.T. 0.059 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:122 Resp: 88730

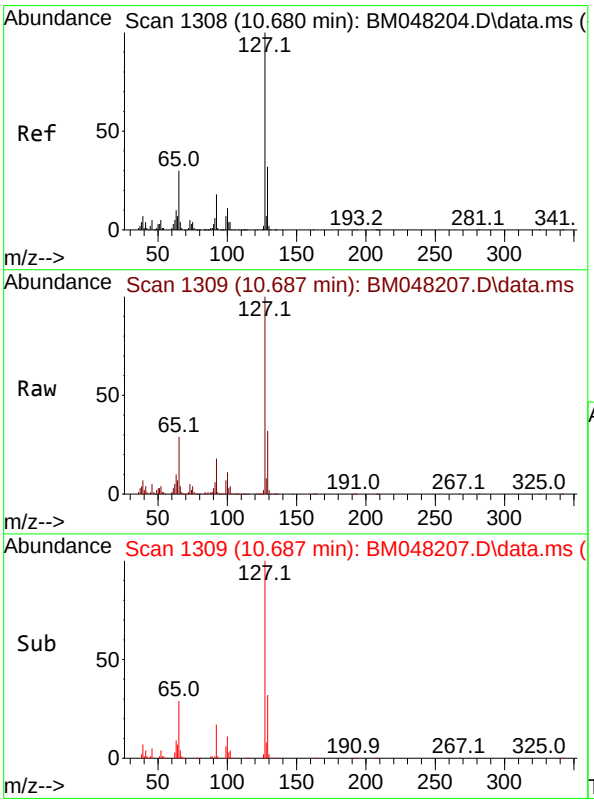
Ion	Ratio	Lower	Upper
122	100		
105	119.9	99.3	139.3
77	88.7	70.4	110.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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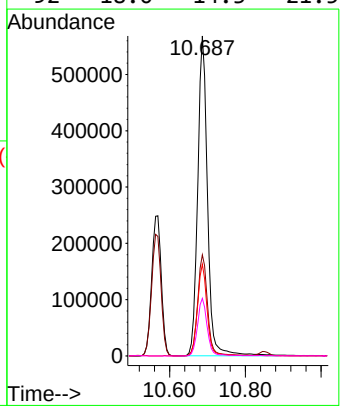
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

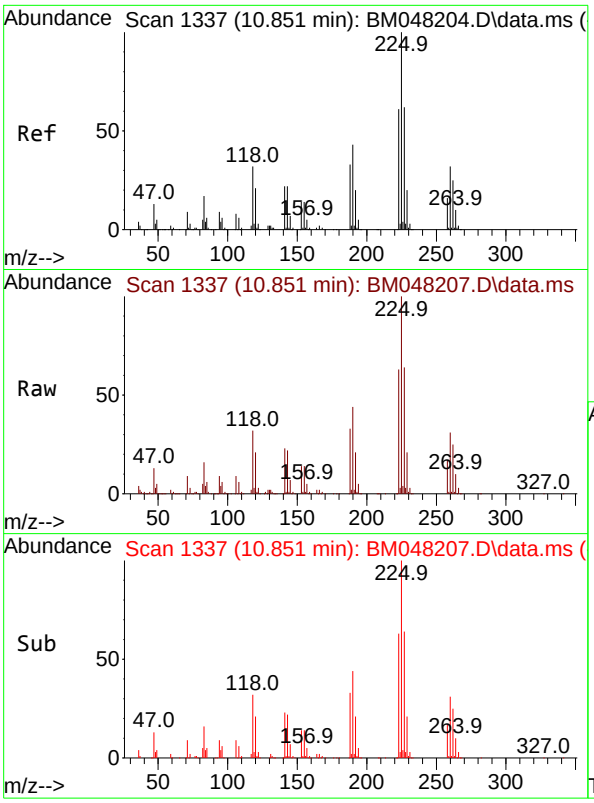


#33
4-Chloroaniline
Concen: 70.610 ng
RT: 10.687 min Scan# 1309
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:127 Resp: 1027262

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.6
65	28.7	23.7	35.5
92	18.0	14.3	21.5

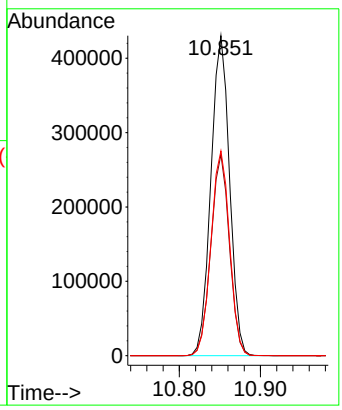




#34
Hexachlorobutadiene
Concen: 76.020 ng
RT: 10.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:225 Resp: 68628

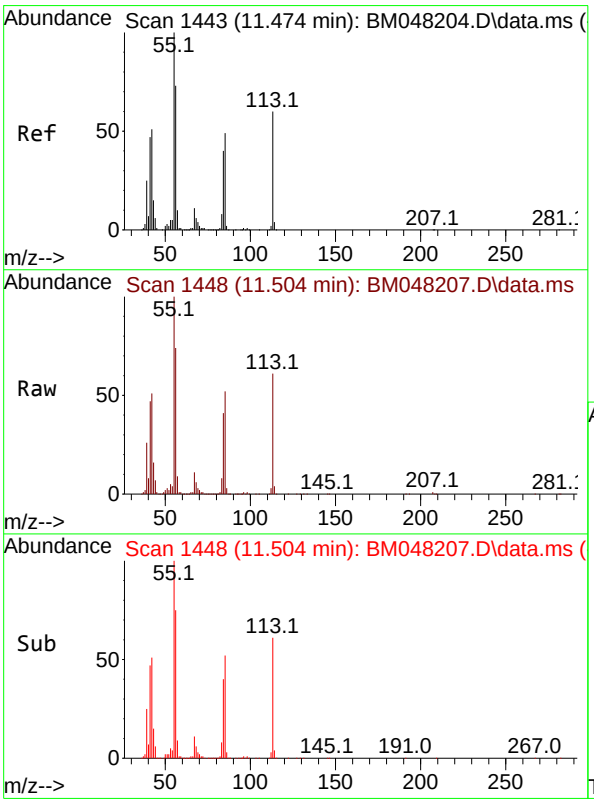
Ion	Ratio	Lower	Upper
225	100		
223	62.8	48.6	73.0
227	64.0	49.6	74.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

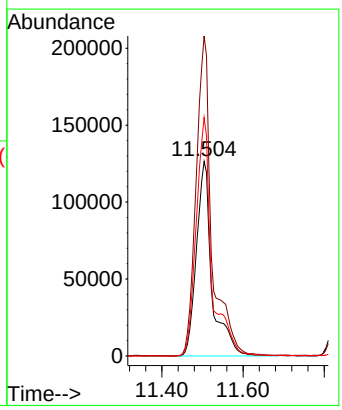
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

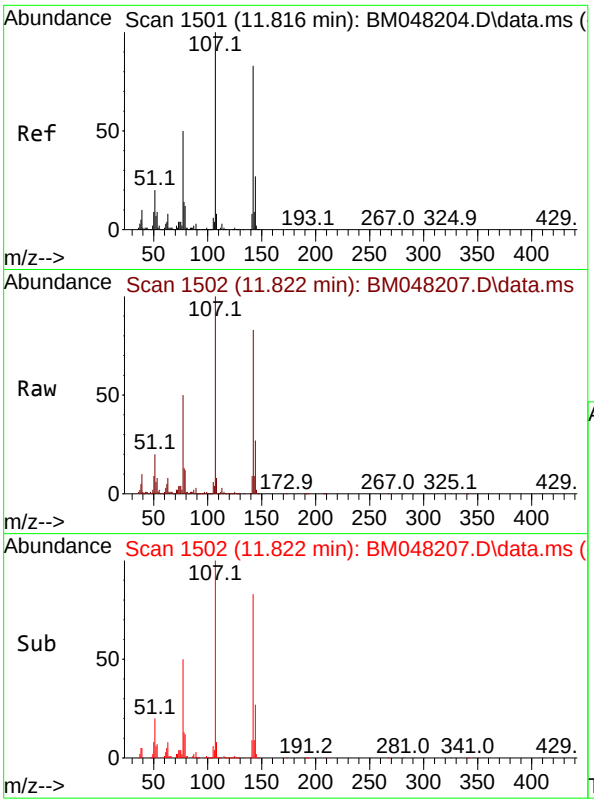


#35
Caprolactam
Concen: 82.144 ng
RT: 11.504 min Scan# 1448
Delta R.T. 0.030 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:113 Resp: 338829

Ion	Ratio	Lower	Upper
113	100		
55	164.4	146.1	186.1
56	122.5	101.9	141.9

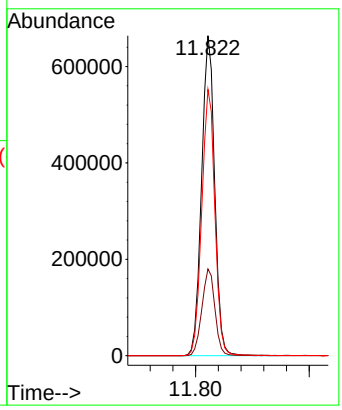




#36
4-Chloro-3-methylphenol
Concen: 79.675 ng
RT: 11.822 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:107 Resp: 105782

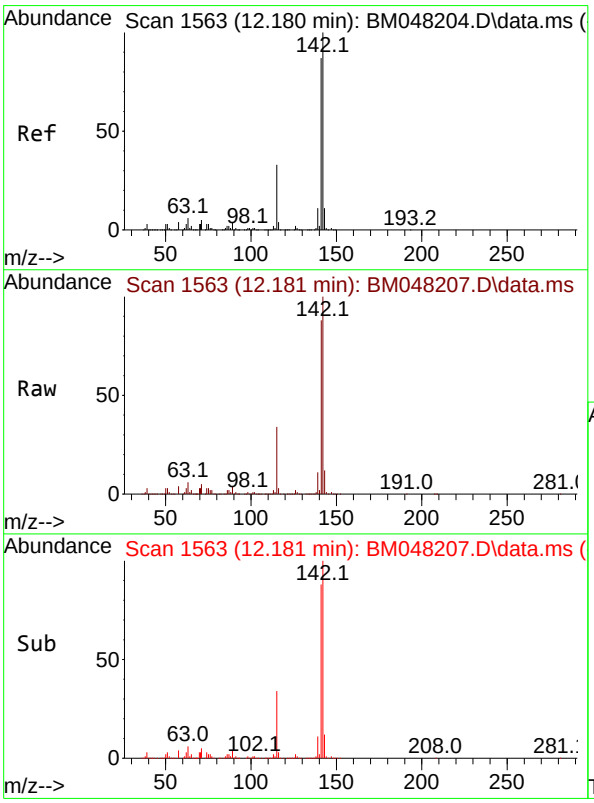
Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.5	32.3
142	83.2	66.8	100.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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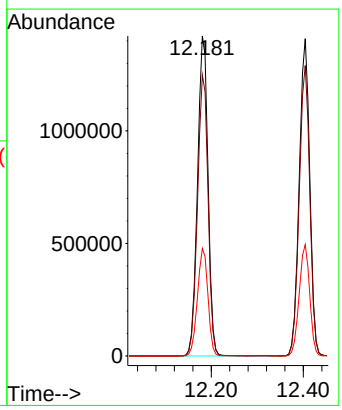
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

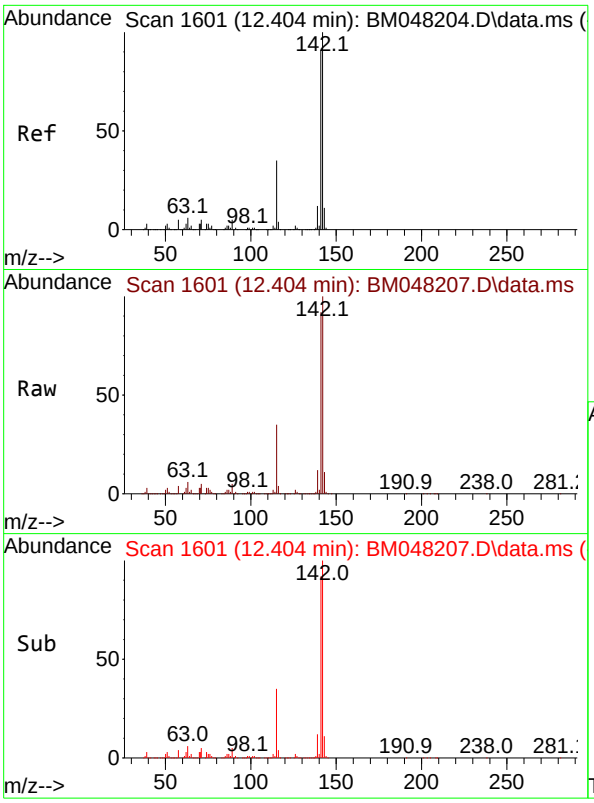


#37
2-Methylnaphthalene
Concen: 75.421 ng
RT: 12.181 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:142 Resp: 2260440

Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.8	104.6
115	33.6	26.3	39.5

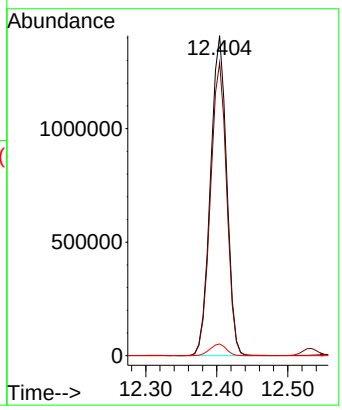




#38
1-Methylnaphthalene
Concen: 75.055 ng
RT: 12.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:142 Resp: 223059

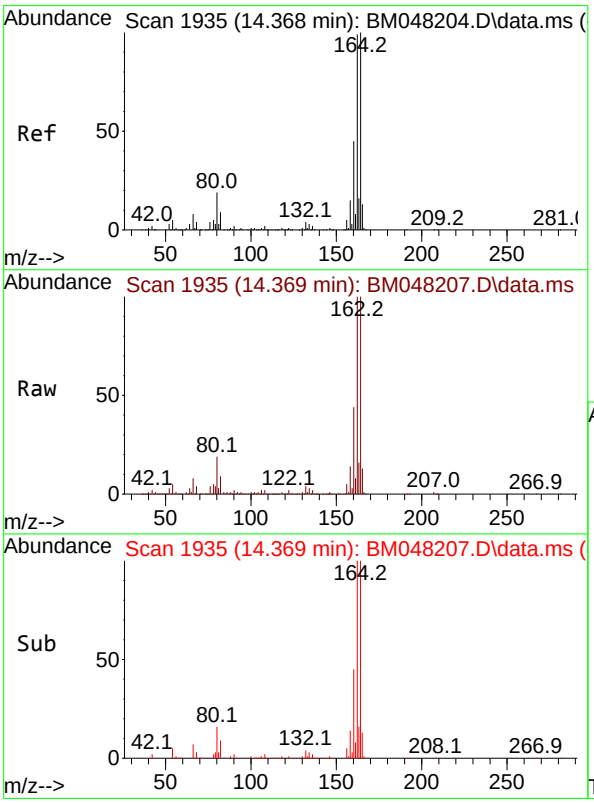
Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.7	109.1
116	3.7	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

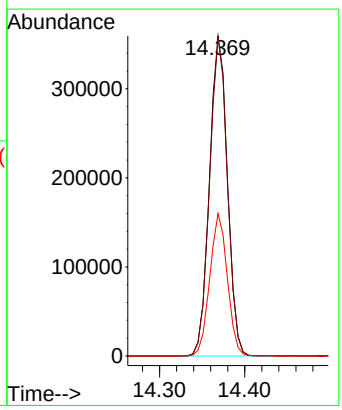
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

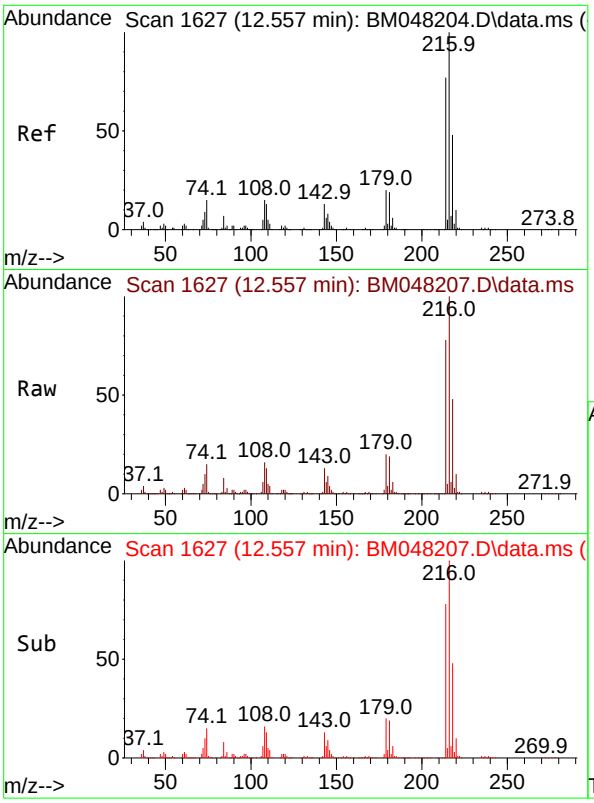


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:164 Resp: 526464

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.1	118.7
160	44.5	35.8	53.8

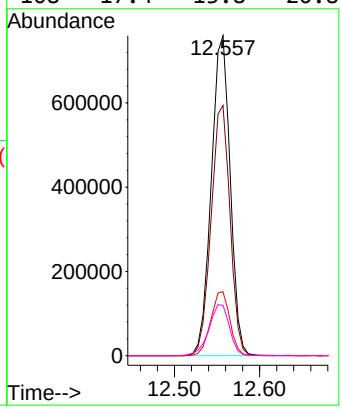




#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.663 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:216 Resp: 116863

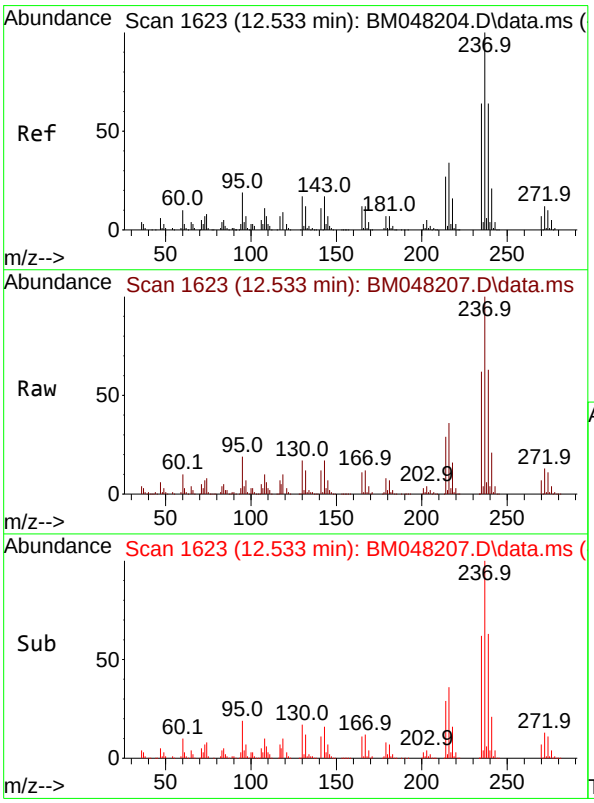
Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.2	93.2
179	20.3	16.0	24.0
108	17.4	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

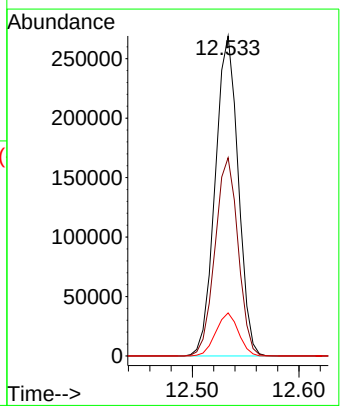
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

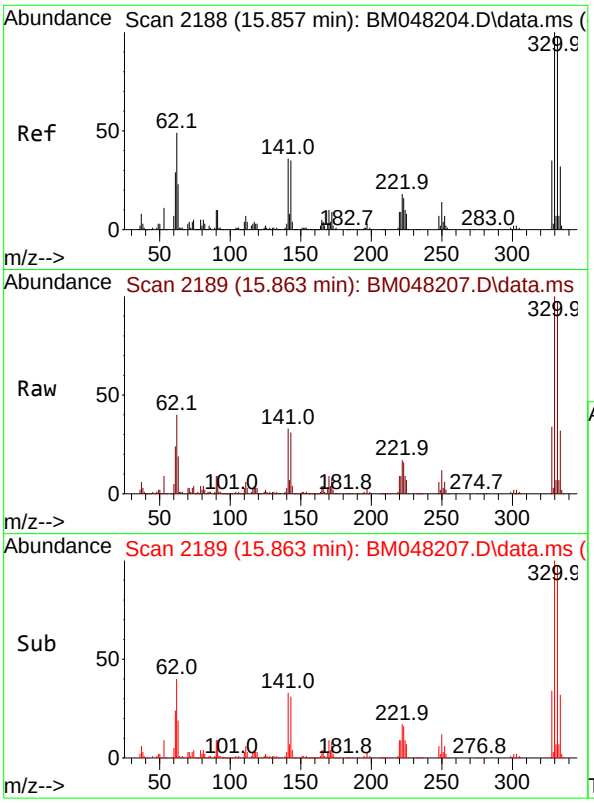


#41
Hexachlorocyclopentadiene
Concen: 79.133 ng
RT: 12.533 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:237 Resp: 402944

Ion	Ratio	Lower	Upper
237	100		
235	62.0	44.2	84.2
272	13.5	0.0	32.4

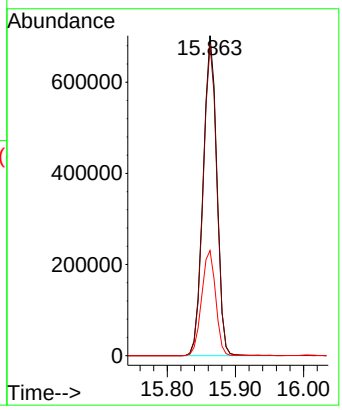




#42
2,4,6-Tribromophenol
Concen: 152.401 ng
RT: 15.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:330 Resp: 98206

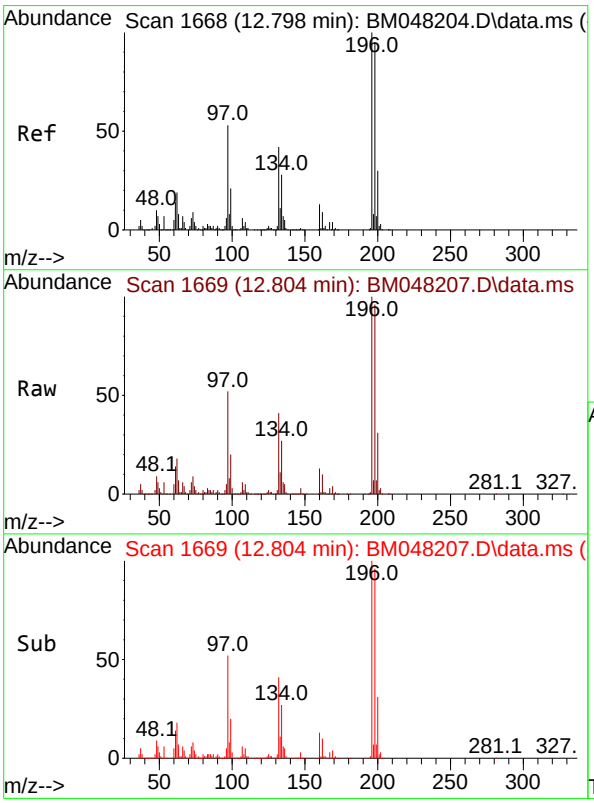
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.5	116.3
141	33.6	27.5	41.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

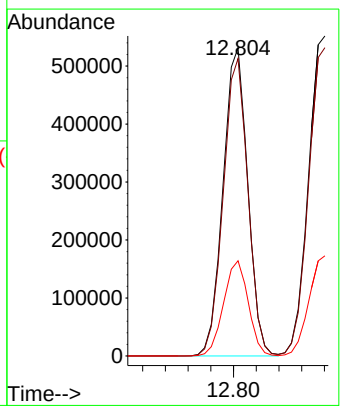
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

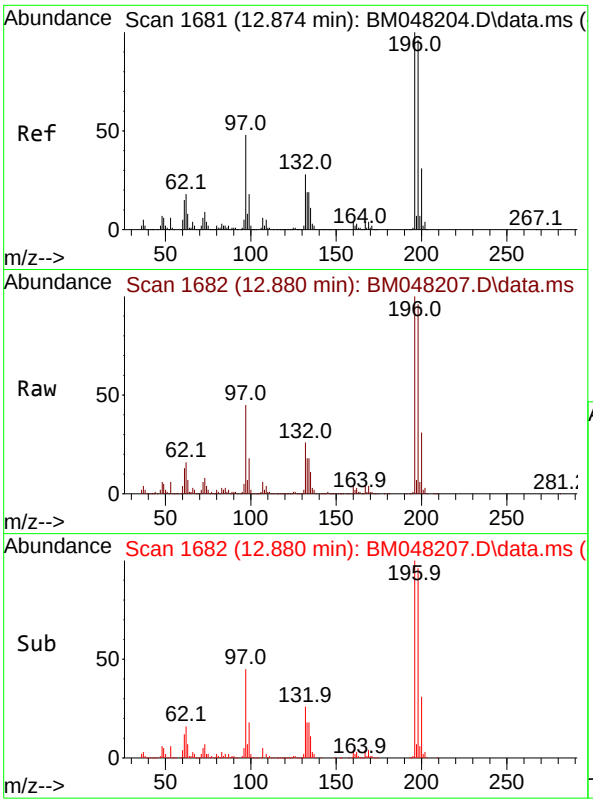


#43
2,4,6-Trichlorophenol
Concen: 80.491 ng
RT: 12.804 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:196 Resp: 803779

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.2	114.2
200	30.9	24.2	36.2

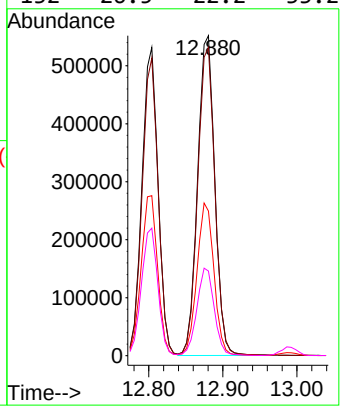




#44
2,4,5-Trichlorophenol
Concen: 79.988 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:196 Resp: 89072

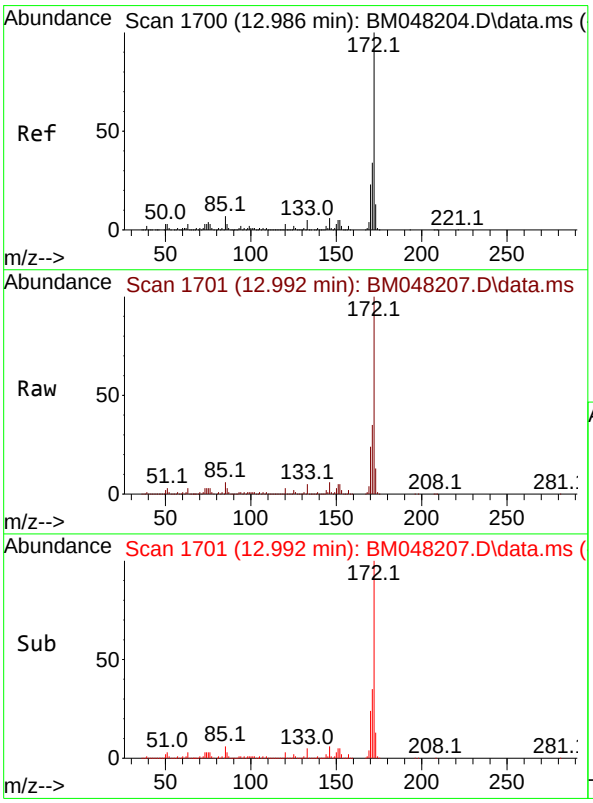
Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.7	115.1
97	45.2	38.5	57.7
132	26.5	22.2	33.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

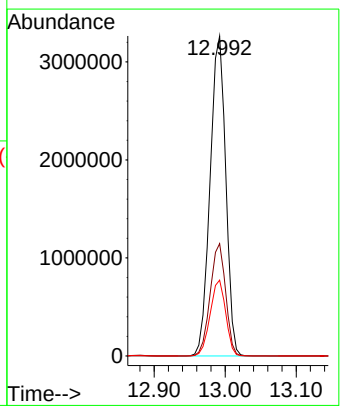
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

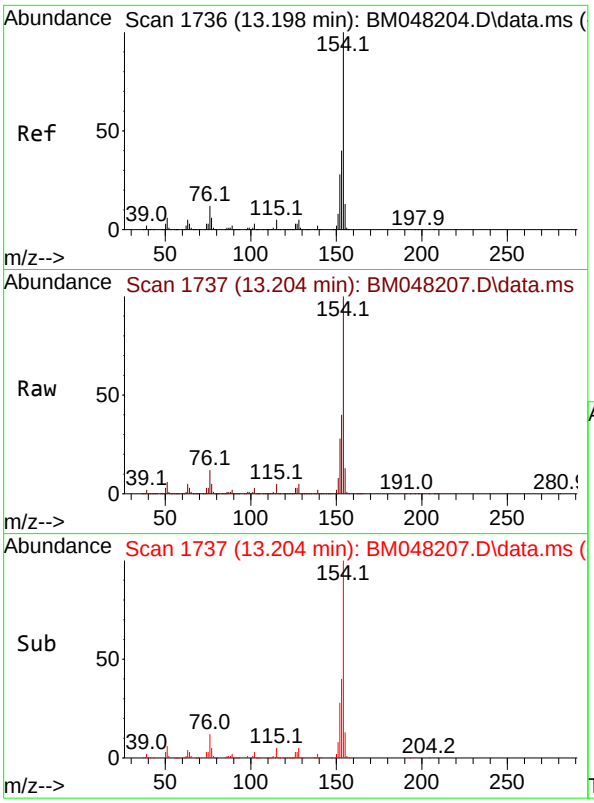


#45
2-Fluorobiphenyl
Concen: 145.410 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:172 Resp: 4988797

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.0
170	23.7	18.5	27.7

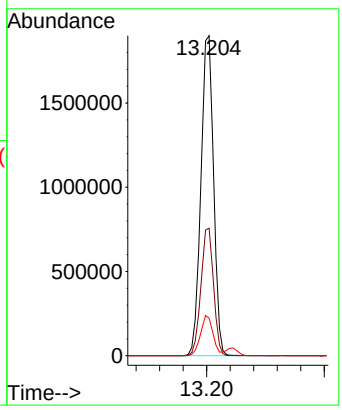




#46
1,1'-Biphenyl
Concen: 75.702 ng
RT: 13.204 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:154 Resp: 284545

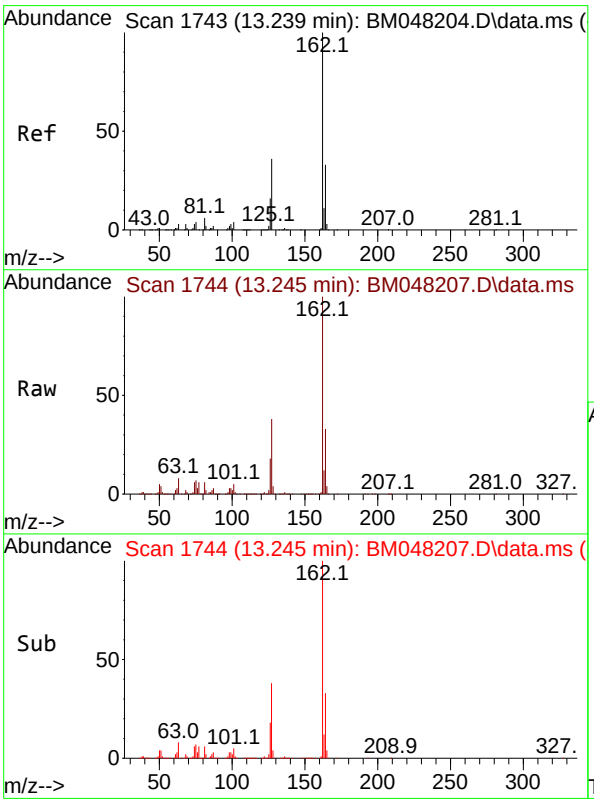
Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	11.7	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

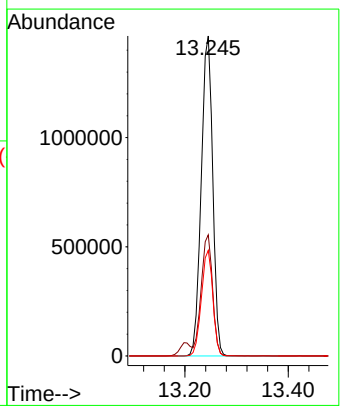
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

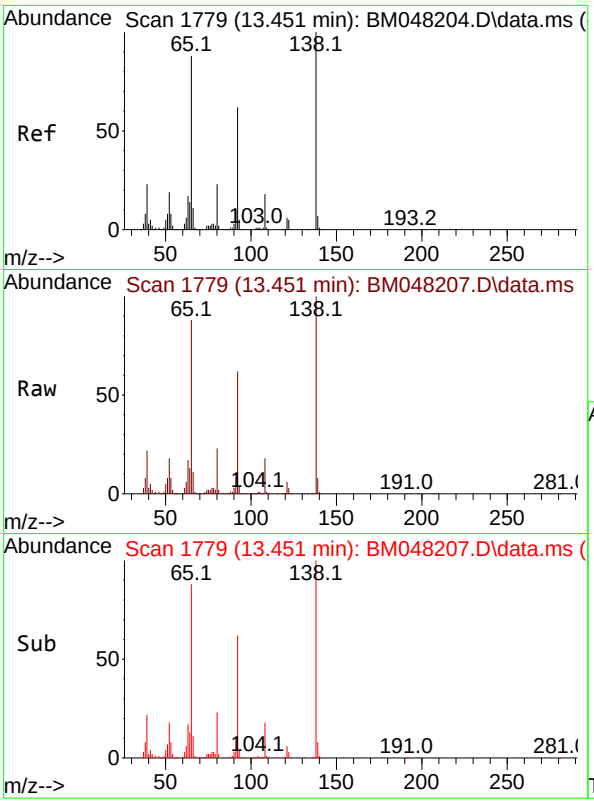


#47
2-Chloronaphthalene
Concen: 76.166 ng
RT: 13.245 min Scan# 1744
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:162 Resp: 2257326

Ion	Ratio	Lower	Upper
162	100		
127	37.9	31.0	46.6
164	33.0	26.2	39.4





#48
2-Nitroaniline
Concen: 82.820 ng
RT: 13.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

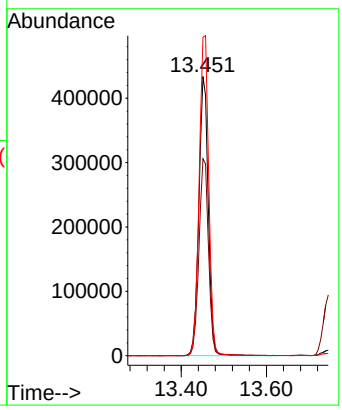
Tgt Ion: 65 Resp: 66572

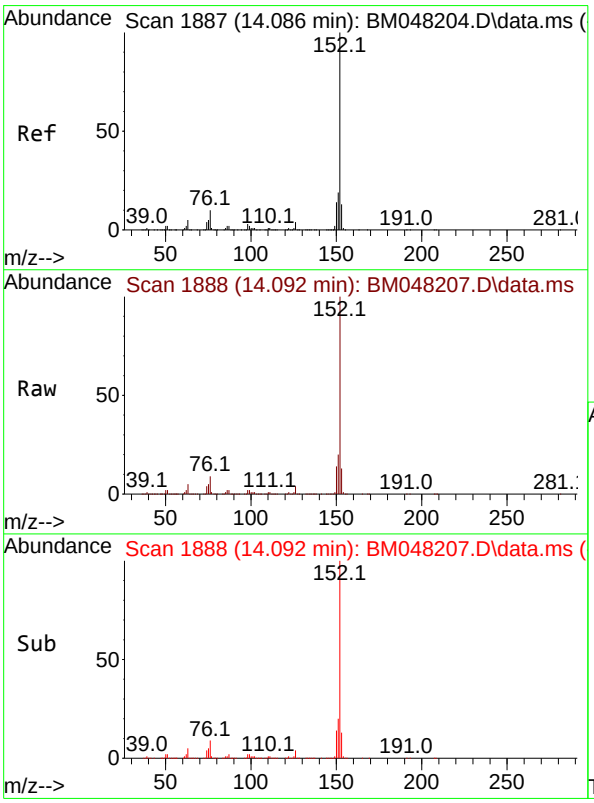
Ion	Ratio	Lower	Upper
65	100		
92	70.5	56.0	84.0
138	114.1	90.8	136.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

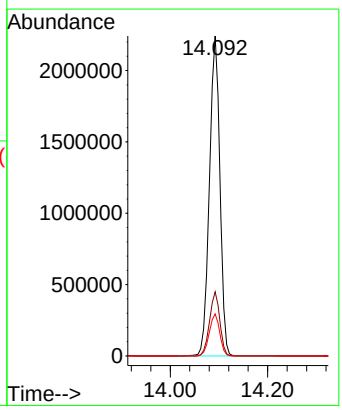


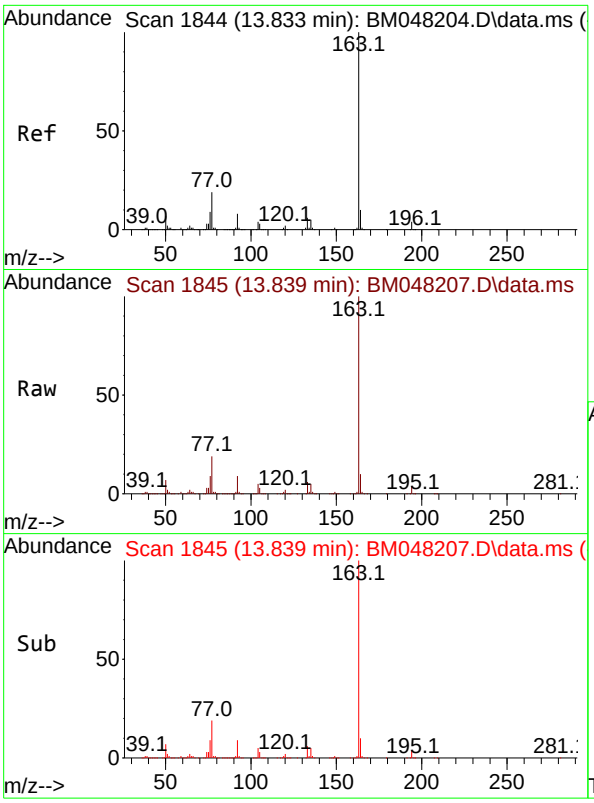


#49
Acenaphthylene
Concen: 76.952 ng
RT: 14.092 min Scan# 1888
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:152 Resp: 3327325

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.2
153	13.2	10.5	15.7

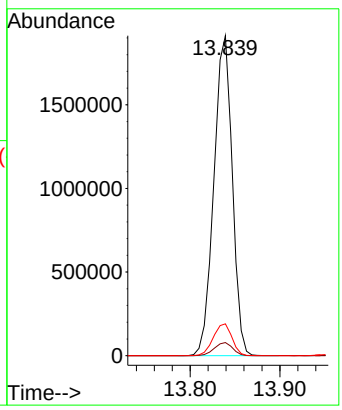




#50
Dimethylphthalate
Concen: 75.757 ng
RT: 13.839 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:163 Resp: 272270

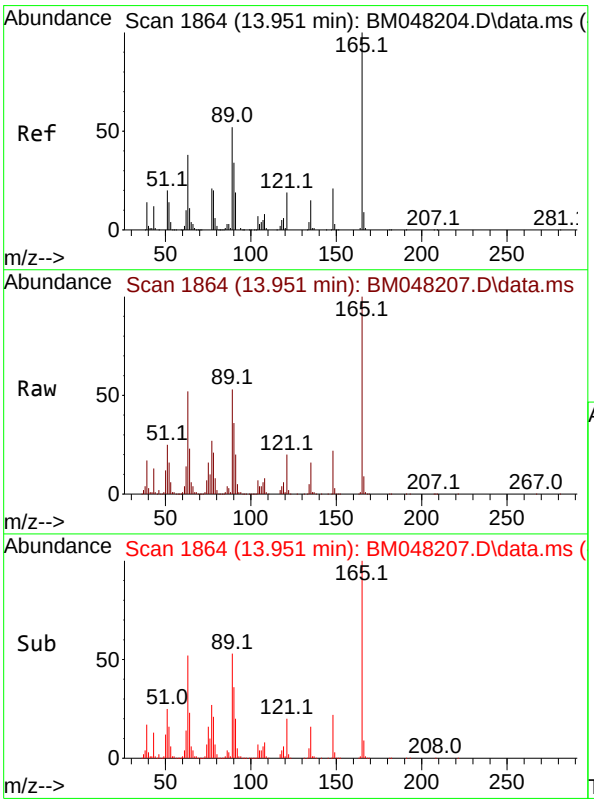
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.0	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

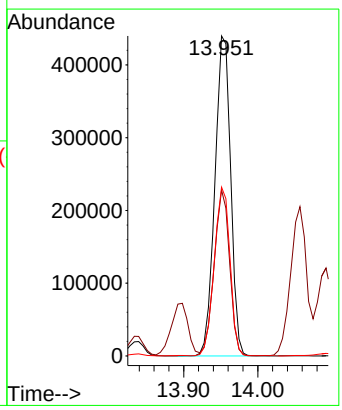
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

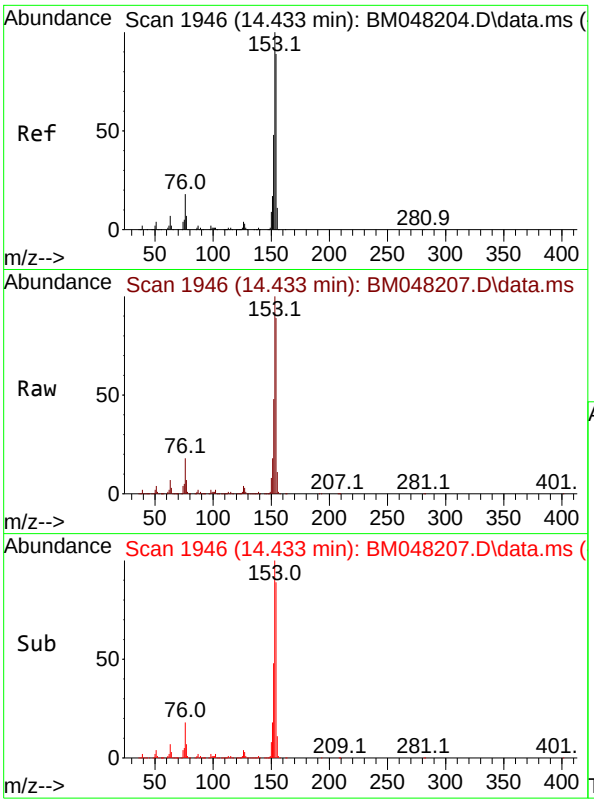


#51
2,6-Dinitrotoluene
Concen: 81.185 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:165 Resp: 651041

Ion	Ratio	Lower	Upper
165	100		
63	51.9	39.5	59.3
89	52.8	41.8	62.6

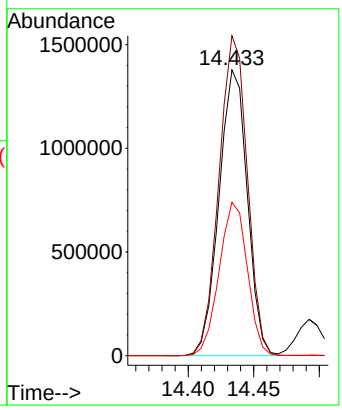




#52
Acenaphthene
Concen: 75.321 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:154 Resp: 206935

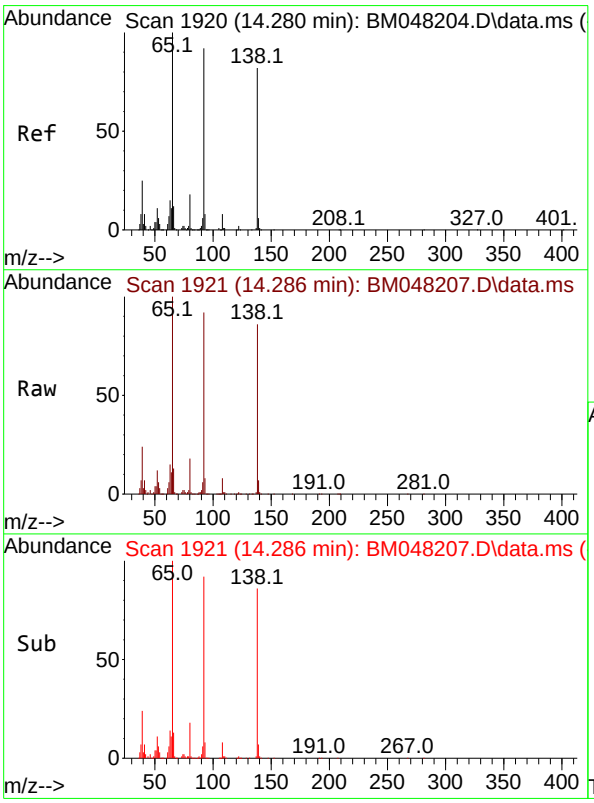
Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.4	135.6
152	53.7	43.6	65.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

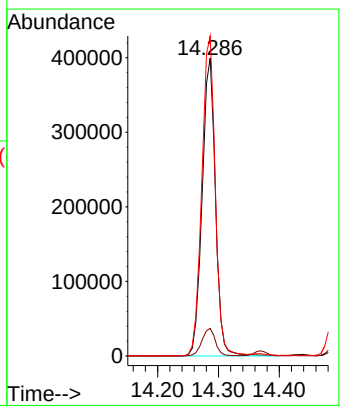
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

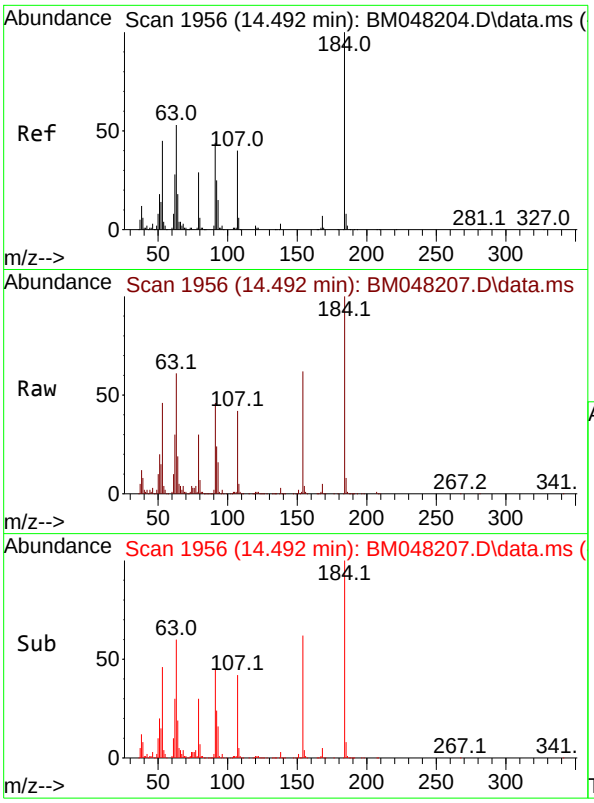


#53
3-Nitroaniline
Concen: 80.389 ng
RT: 14.286 min Scan# 1921
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:138 Resp: 607949

Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.5	11.3
92	107.4	89.7	134.5





#54
2,4-Dinitrophenol
Concen: 87.605 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

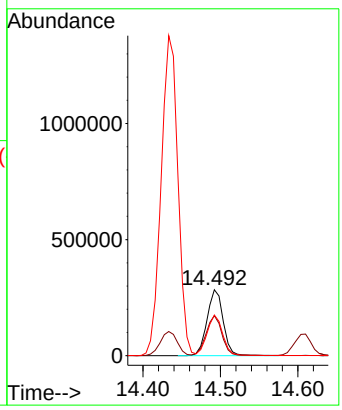
Tgt Ion:184 Resp: 41052

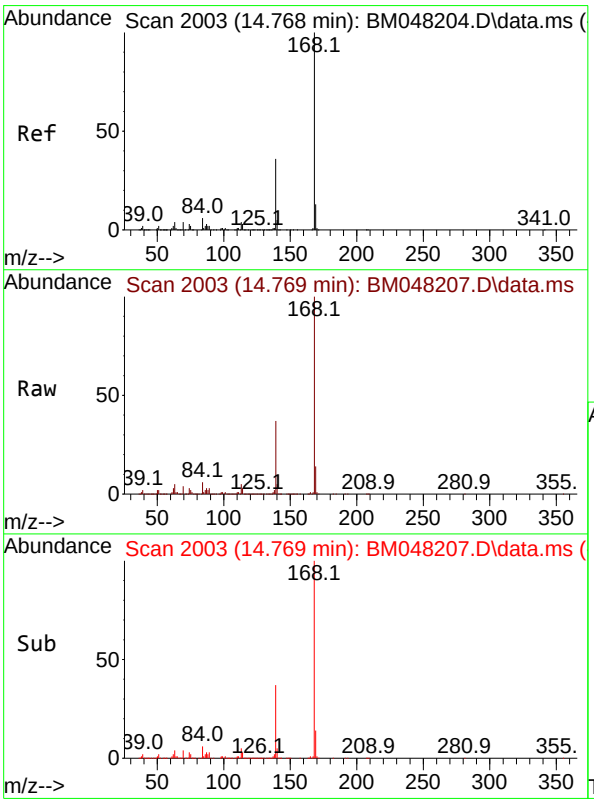
Ion	Ratio	Lower	Upper
184	100		
63	60.7	47.2	70.8
154	61.7	46.0	69.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

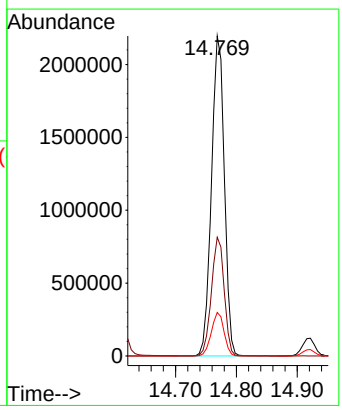


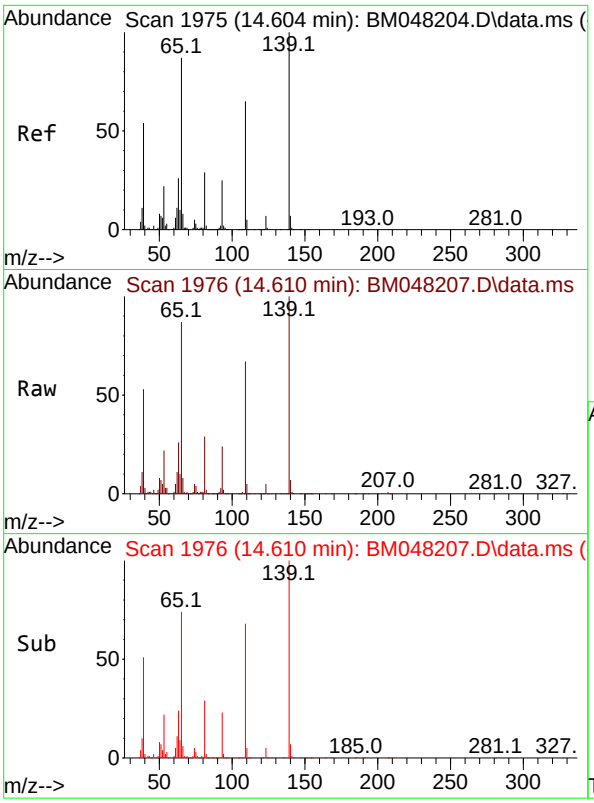


#55
Dibenzofuran
Concen: 73.789 ng
RT: 14.769 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:168 Resp: 3220815

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.0	43.6
169	13.6	10.4	15.6

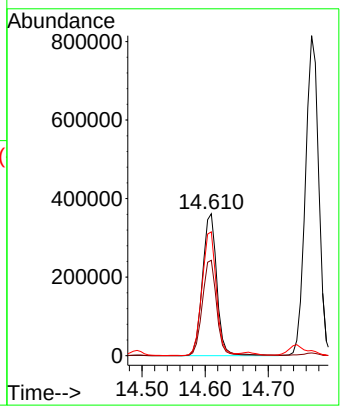




#56
4-Nitrophenol
Concen: 84.742 ng
RT: 14.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:139 Resp: 57196

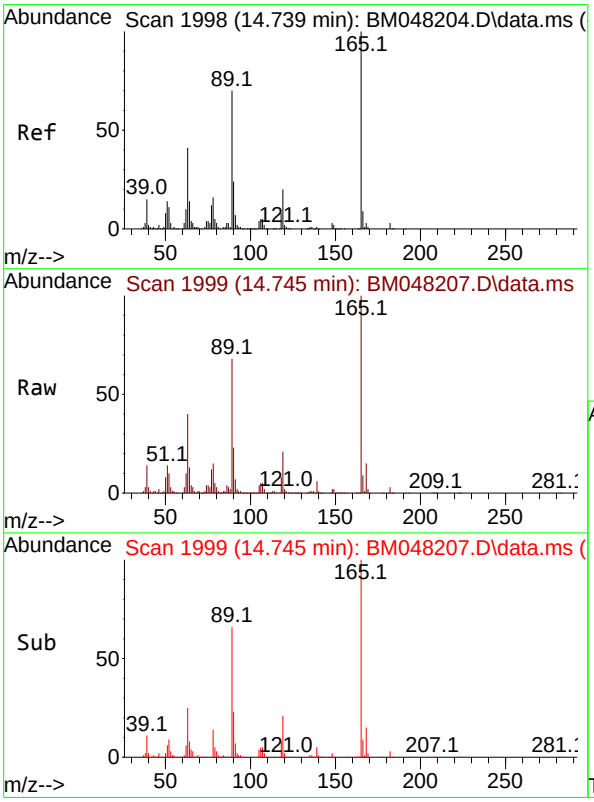
Ion	Ratio	Lower	Upper
139	100		
109	67.1	45.4	85.4
65	87.2	67.3	107.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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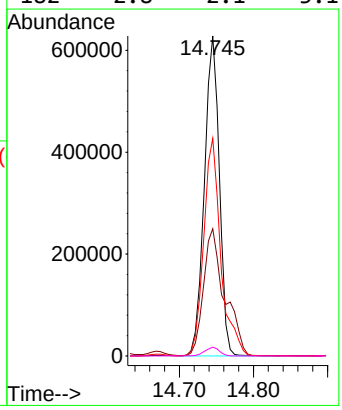
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

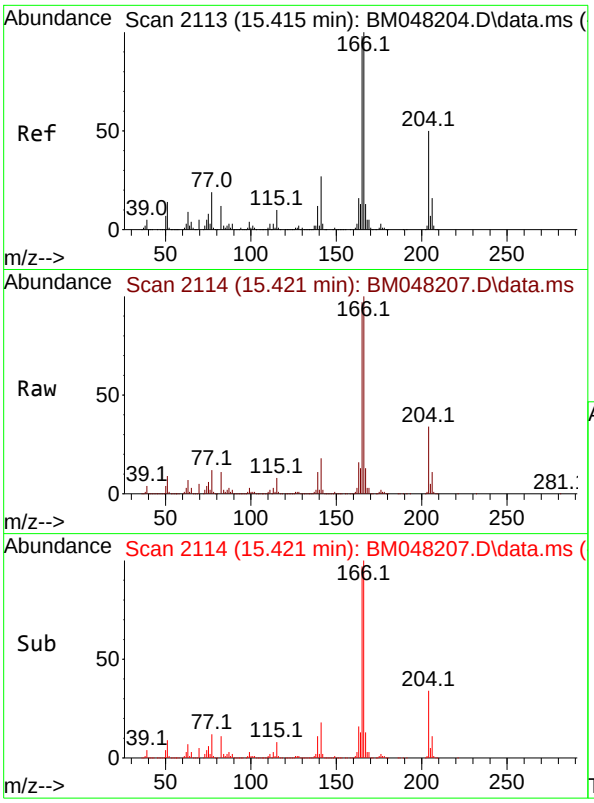


#57
2,4-Dinitrotoluene
Concen: 83.161 ng
RT: 14.745 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:165 Resp: 880658

Ion	Ratio	Lower	Upper
165	100		
63	39.7	33.0	49.4
89	68.0	55.8	83.6
182	2.8	2.1	3.1

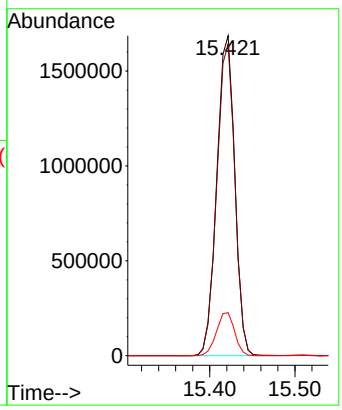




#58
Fluorene
Concen: 71.768 ng
RT: 15.421 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:166 Resp: 247707

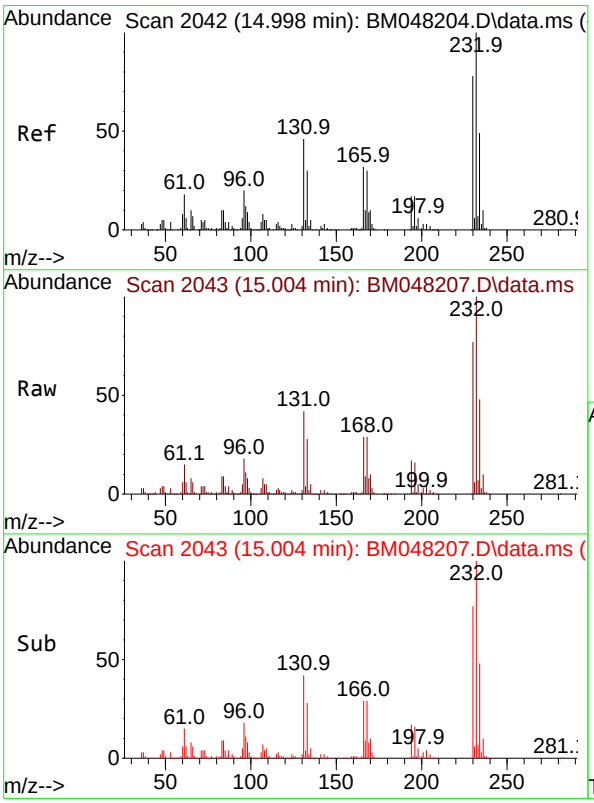
Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	13.4	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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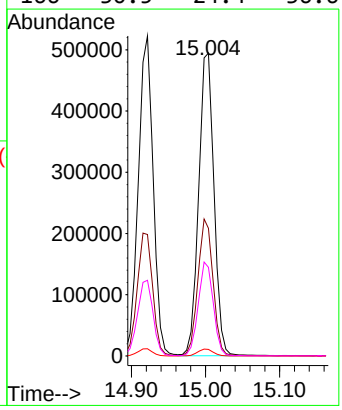
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

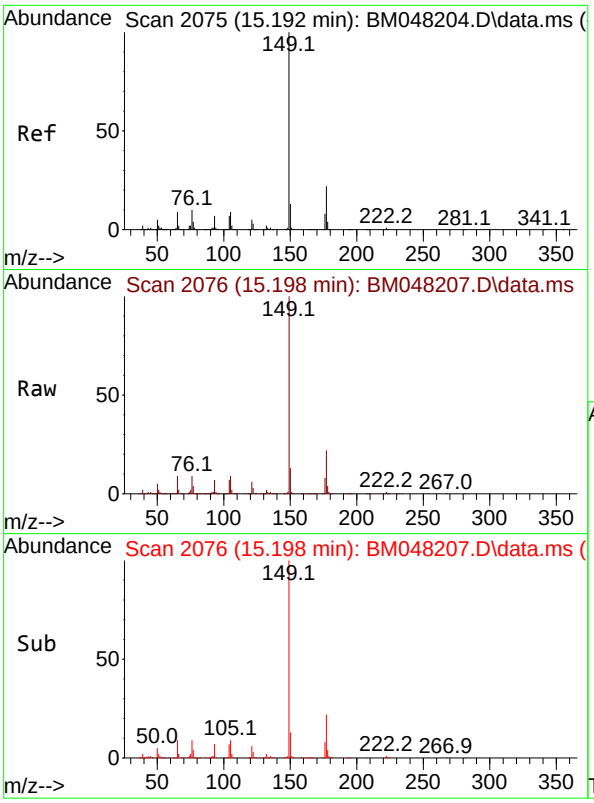


#59
2,3,4,6-Tetrachlorophenol
Concen: 77.127 ng
RT: 15.004 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:232 Resp: 711895

Ion	Ratio	Lower	Upper
232	100		
131	44.8	35.5	53.3
130	2.3	1.8	2.6
166	30.5	24.4	36.6





#60
Diethylphthalate
Concen: 75.856 ng
RT: 15.198 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

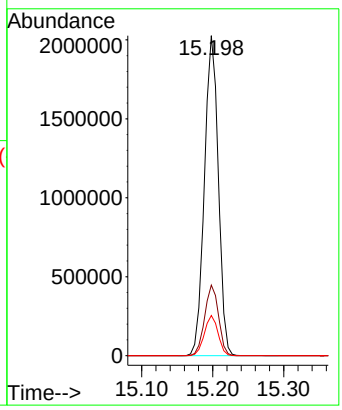
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

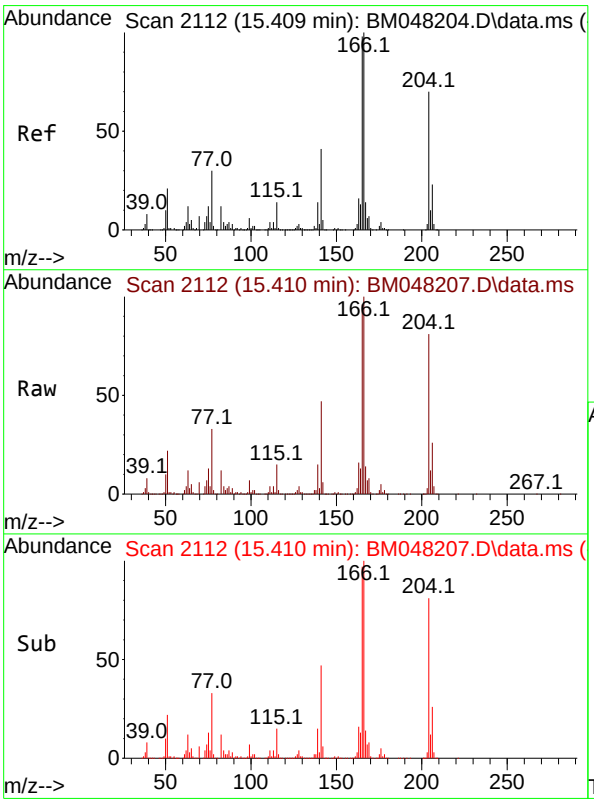
Tgt Ion:149 Resp: 276029

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.5	26.3
150	12.6	10.1	15.1

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

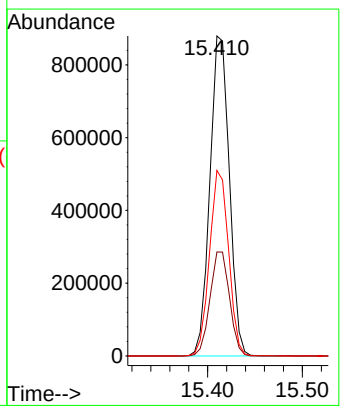


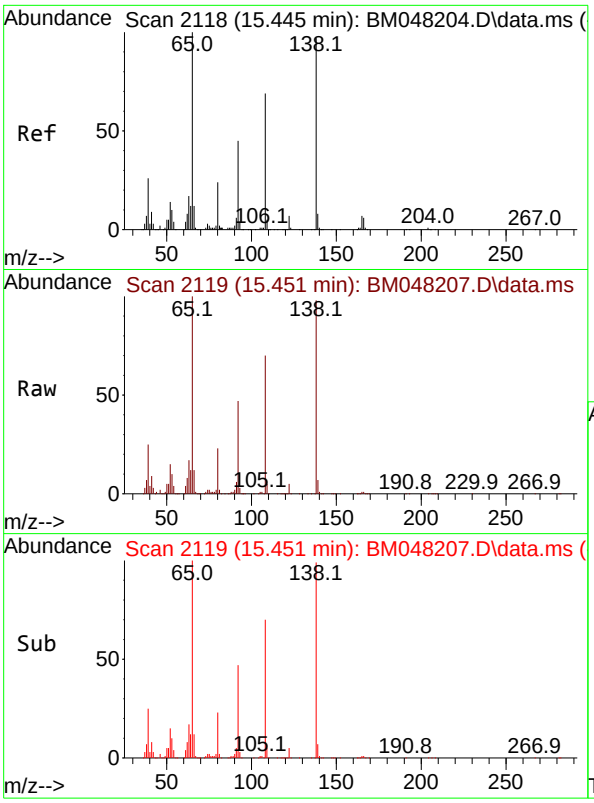


#61
4-Chlorophenyl-phenylether
Concen: 72.445 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:204 Resp: 1250232

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	58.0	47.0	70.6

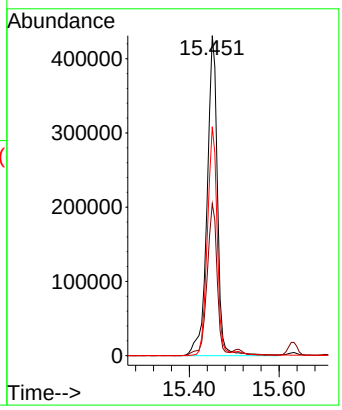




#62
4-Nitroaniline
Concen: 88.303 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:138 Resp: 69112

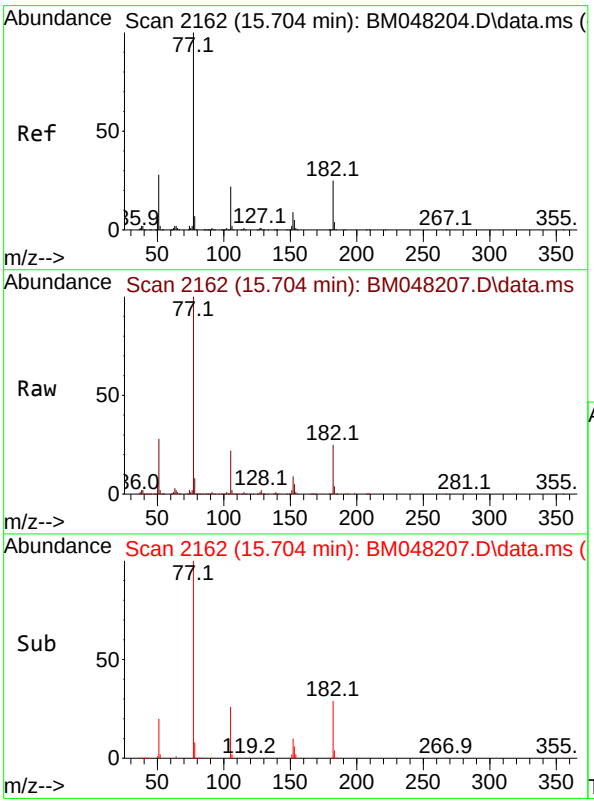
Ion	Ratio	Lower	Upper
138	100		
92	47.5	26.9	66.9
108	71.5	51.3	91.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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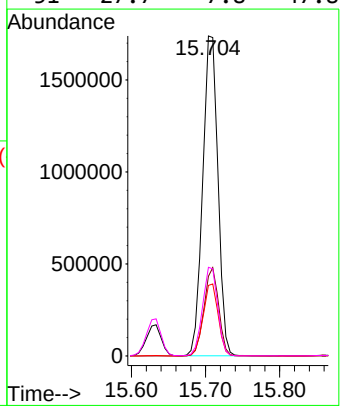
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

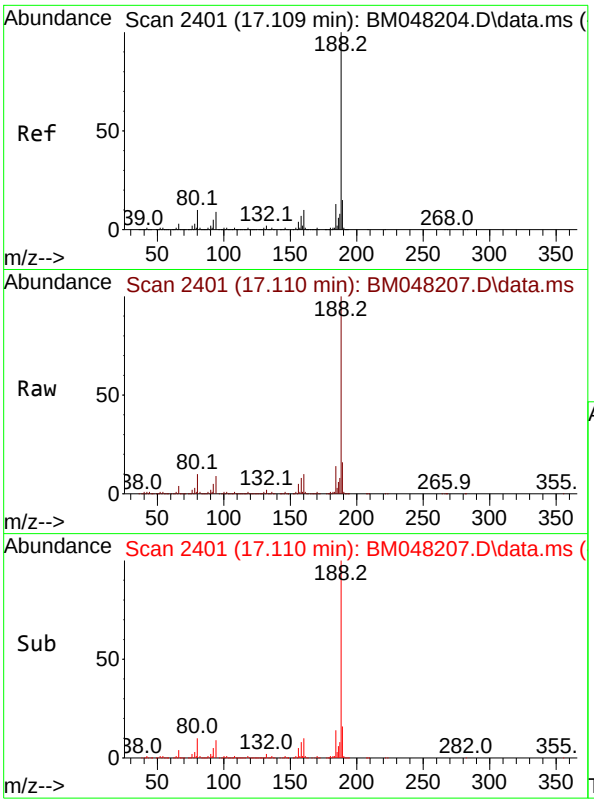


#63
Azobenzene
Concen: 76.180 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion: 77 Resp: 2484551

Ion	Ratio	Lower	Upper
77	100		
182	24.9	5.3	45.3
105	22.1	1.6	41.6
51	27.7	7.8	47.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

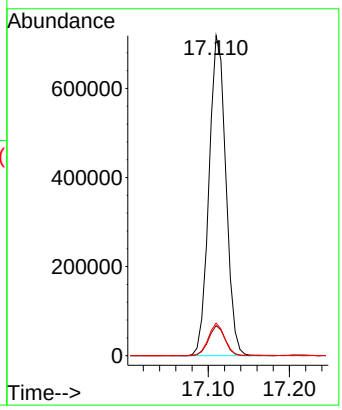
Tgt Ion:188 Resp: 103455

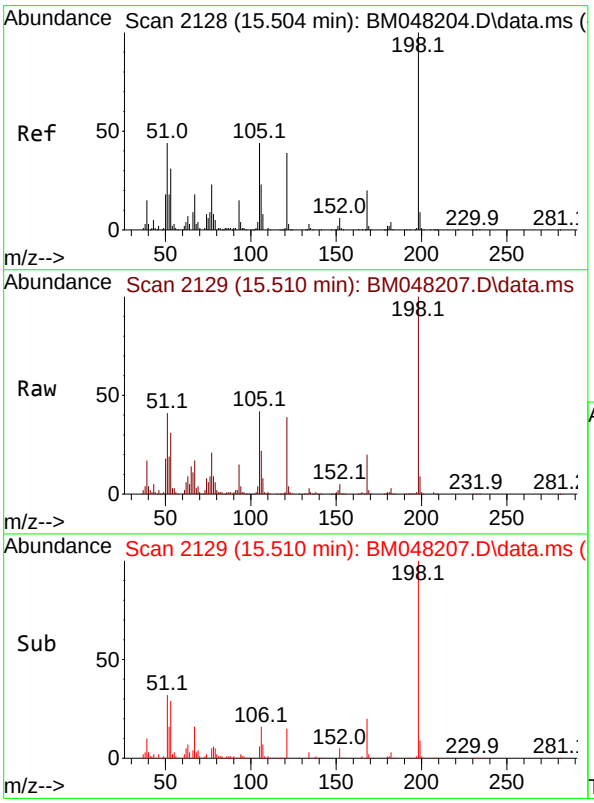
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.3	10.9
80	10.2	8.0	12.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

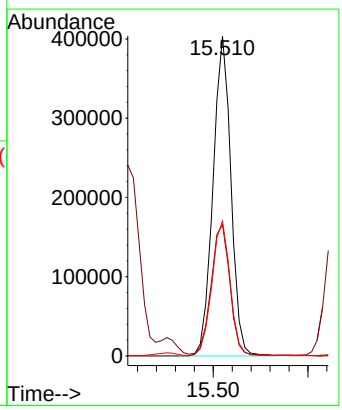


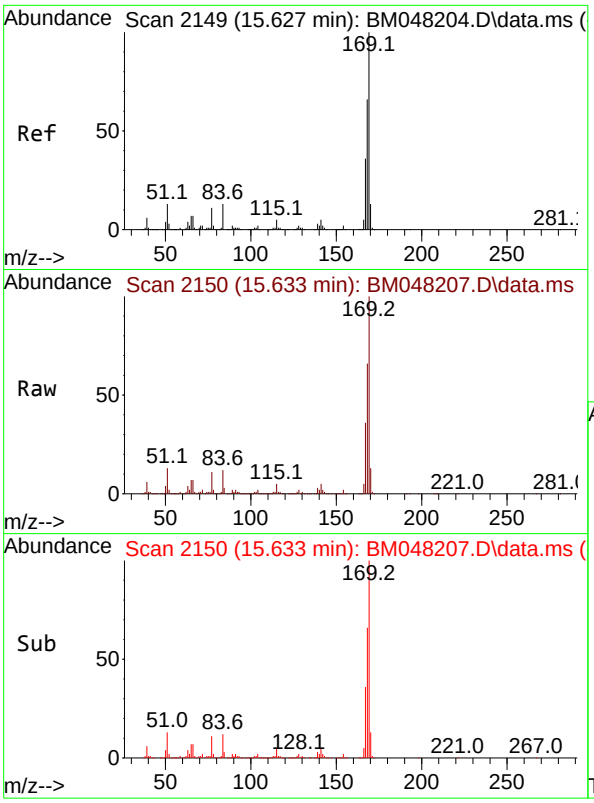


#65
4,6-Dinitro-2-methylphenol
Concen: 88.353 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:198 Resp: 530349

Ion	Ratio	Lower	Upper
198	100		
51	41.0	25.4	65.4
105	42.1	23.9	63.9

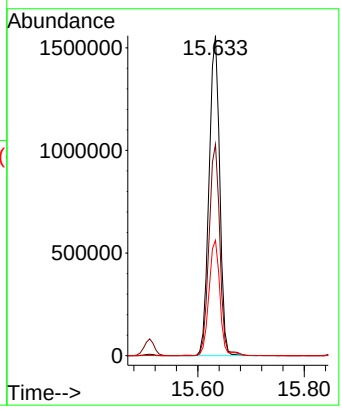




#66
n-Nitrosodiphenylamine
Concen: 75.900 ng
RT: 15.633 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:169 Resp: 215557

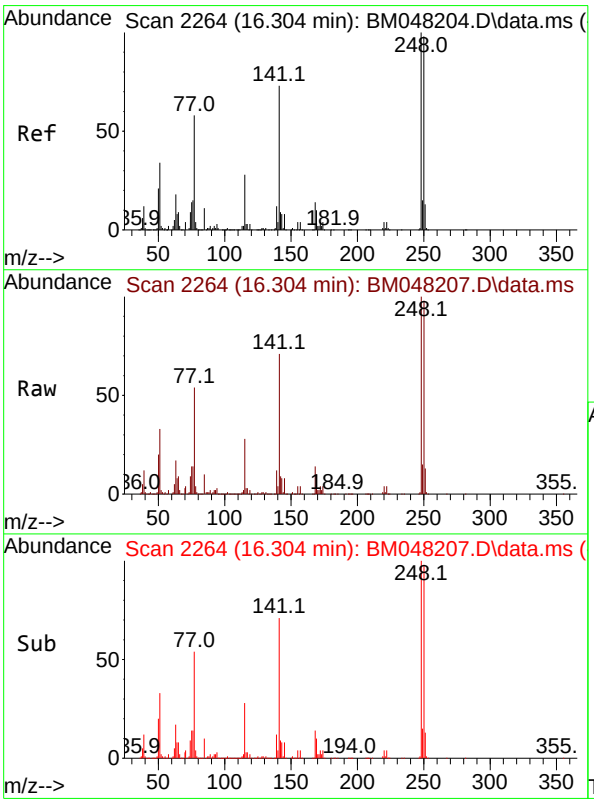
Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.9	79.3
167	36.1	29.3	43.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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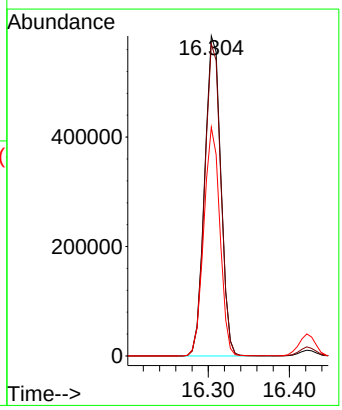
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

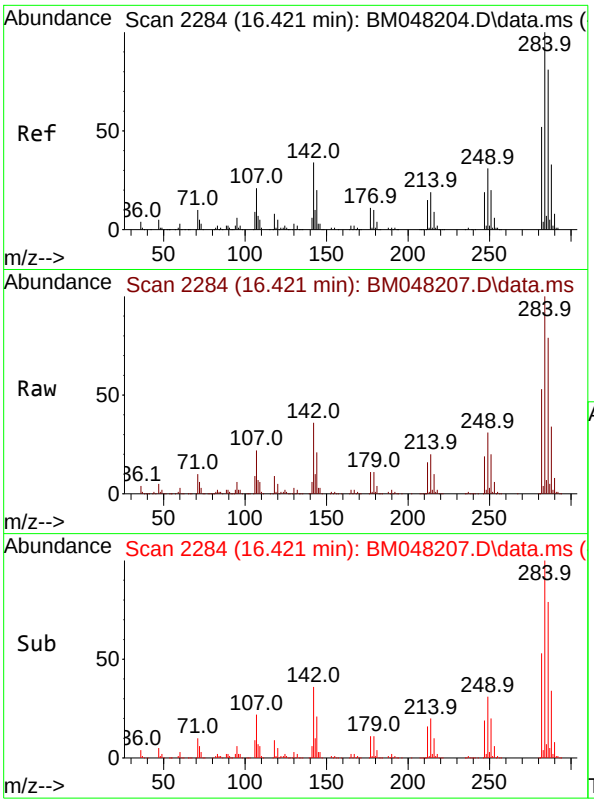


#67
4-Bromophenyl-phenylether
Concen: 77.103 ng
RT: 16.304 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:248 Resp: 808728

Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.3	117.5
141	71.5	58.0	87.0

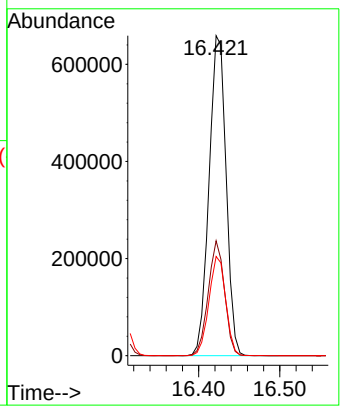




#68
Hexachlorobenzene
Concen: 76.094 ng
RT: 16.421 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:284 Resp: 95861

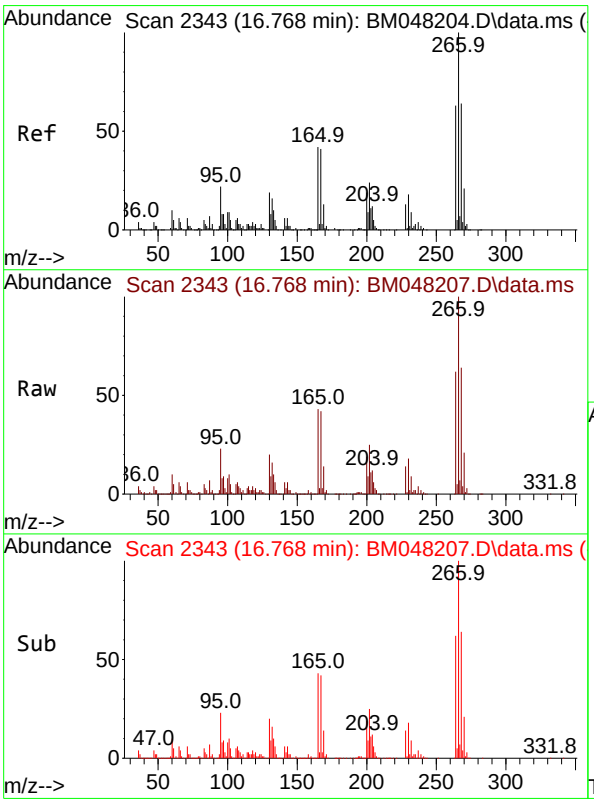
Ion	Ratio	Lower	Upper
284	100		
142	35.9	27.0	40.4
249	31.0	24.6	36.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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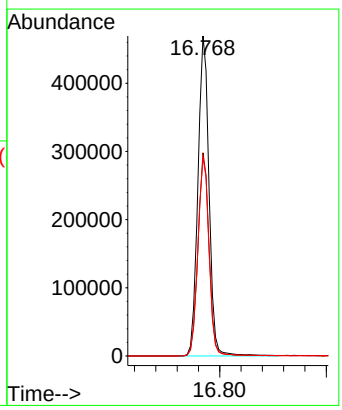
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

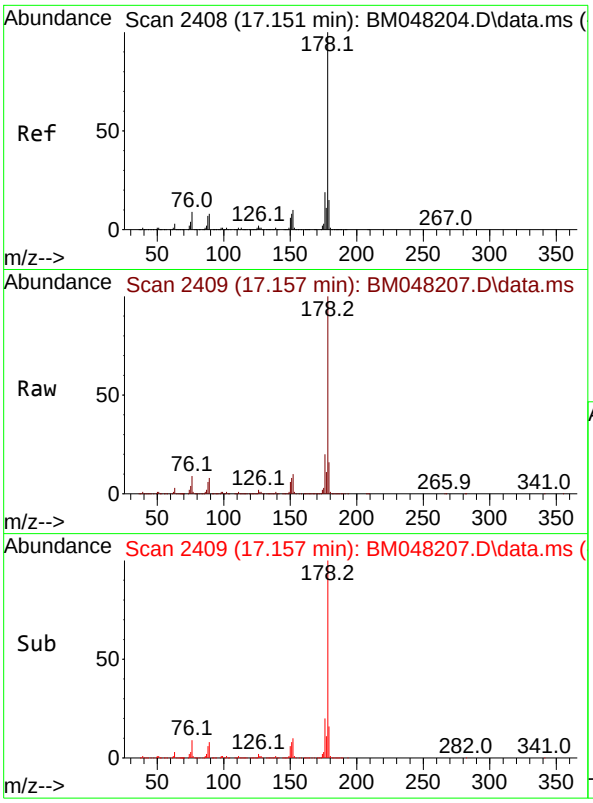


#70
Pentachlorophenol
Concen: 82.099 ng
RT: 16.768 min Scan# 2343
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:266 Resp: 679039

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.8	76.2
264	62.0	50.2	75.2

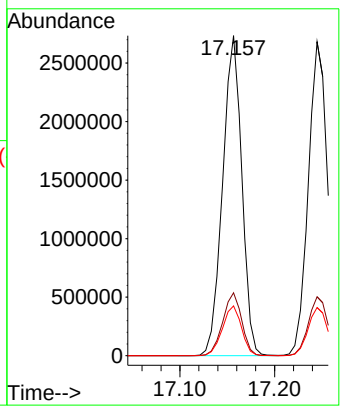




#71
Phenanthrene
Concen: 75.151 ng
RT: 17.157 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:178 Resp: 384983

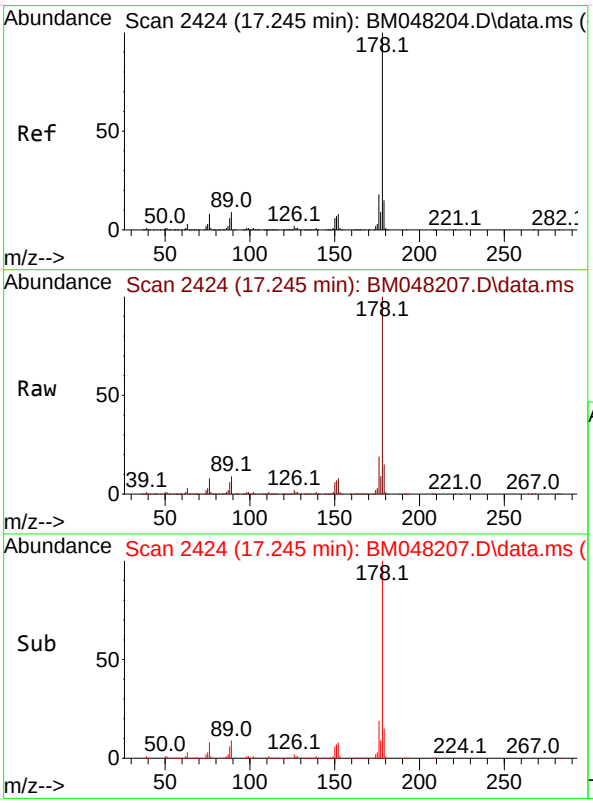
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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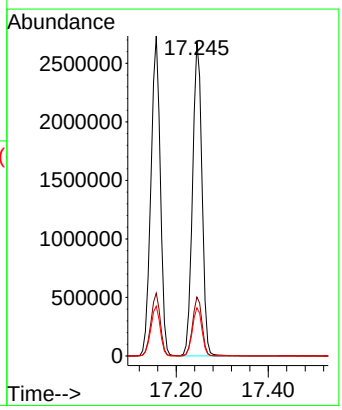
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

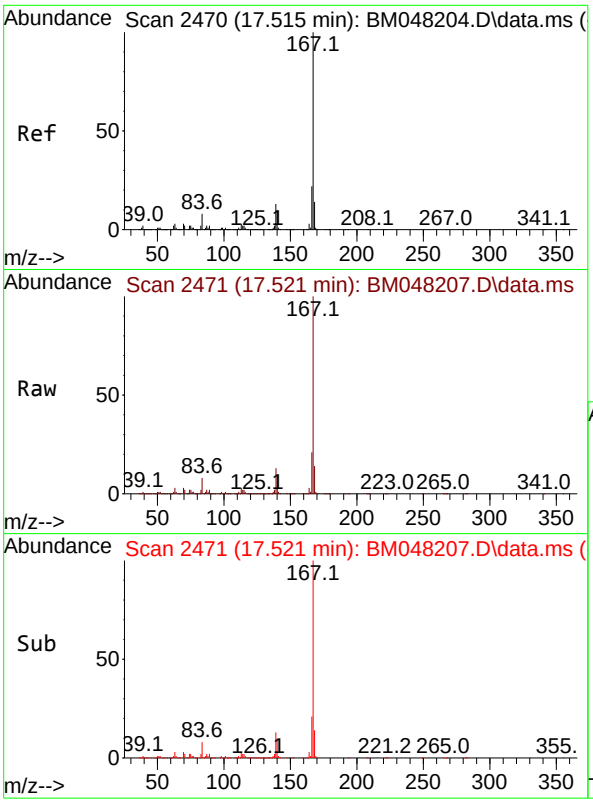


#72
Anthracene
Concen: 76.462 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:178 Resp: 3791795

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.3	12.2	18.2





#73
Carbazole
Concen: 77.584 ng
RT: 17.521 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

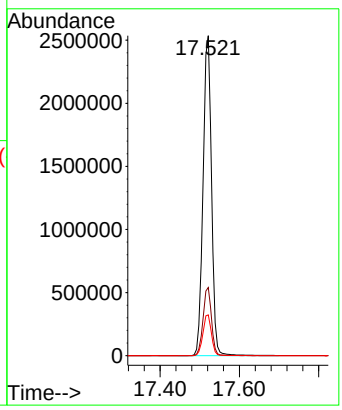
Tgt Ion:167 Resp: 377172

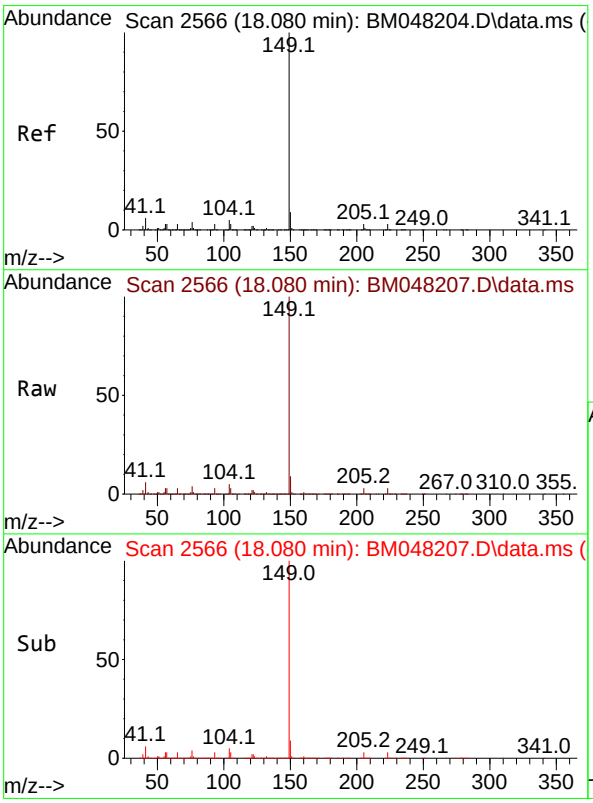
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.8	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

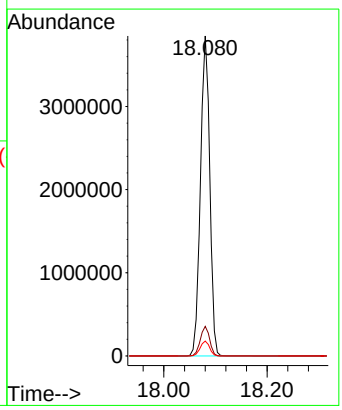


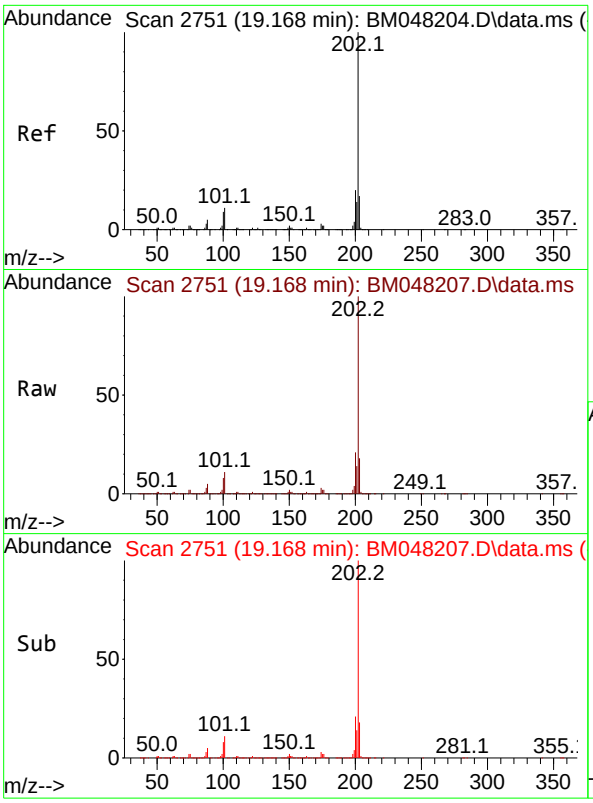


#74
Di-n-butylphthalate
Concen: 79.423 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:149 Resp: 4806034

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	4.7	3.8	5.6





#75
Fluoranthene
Concen: 75.627 ng
RT: 19.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

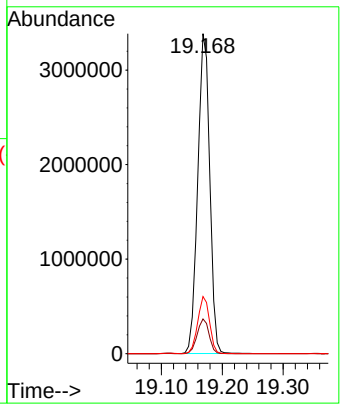
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

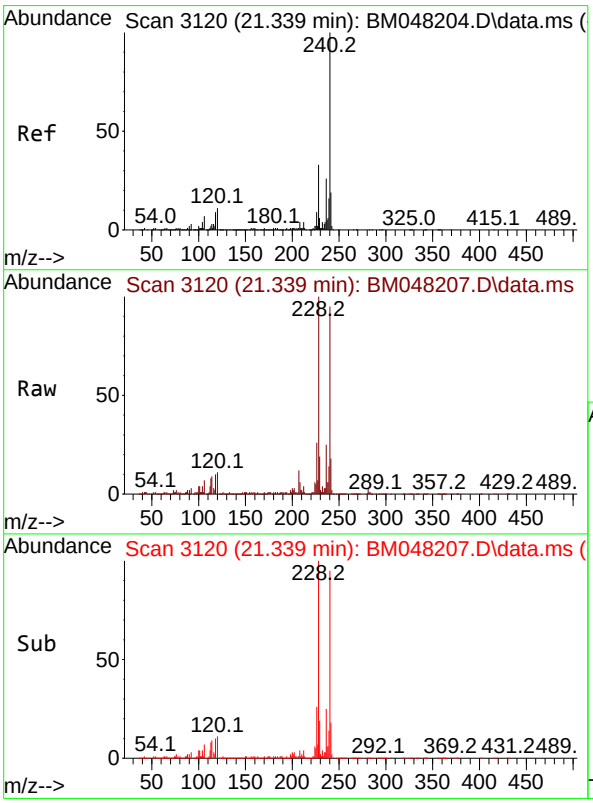
Tgt Ion:202 Resp: 462147

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.0
203	17.8	0.0	37.5

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

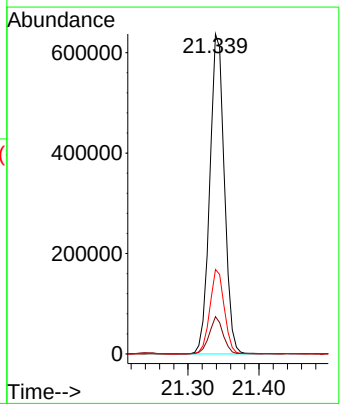


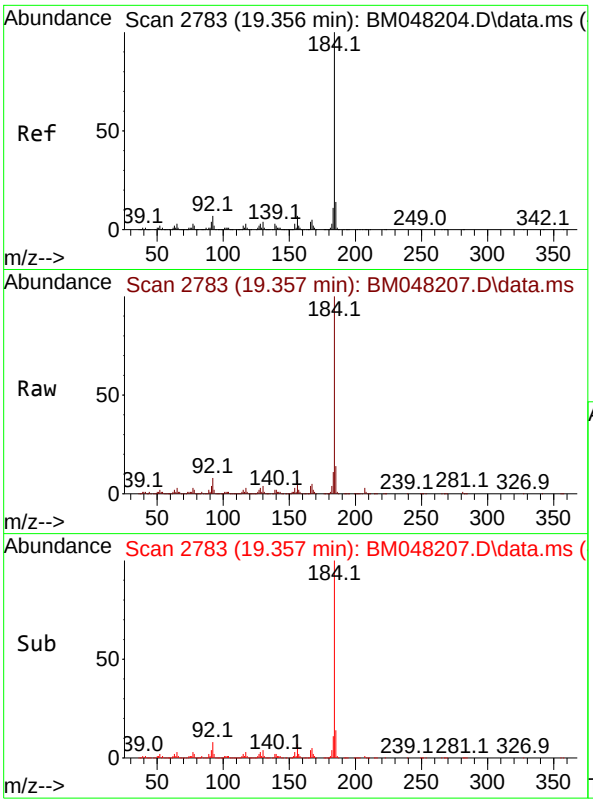


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:240 Resp: 907221

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.6	13.0
236	26.4	20.7	31.1

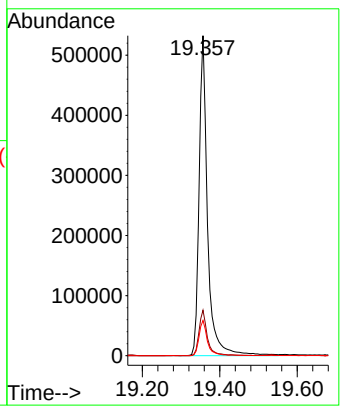




#77
Benzidine
Concen: 77.181 ng
RT: 19.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:184 Resp: 80810

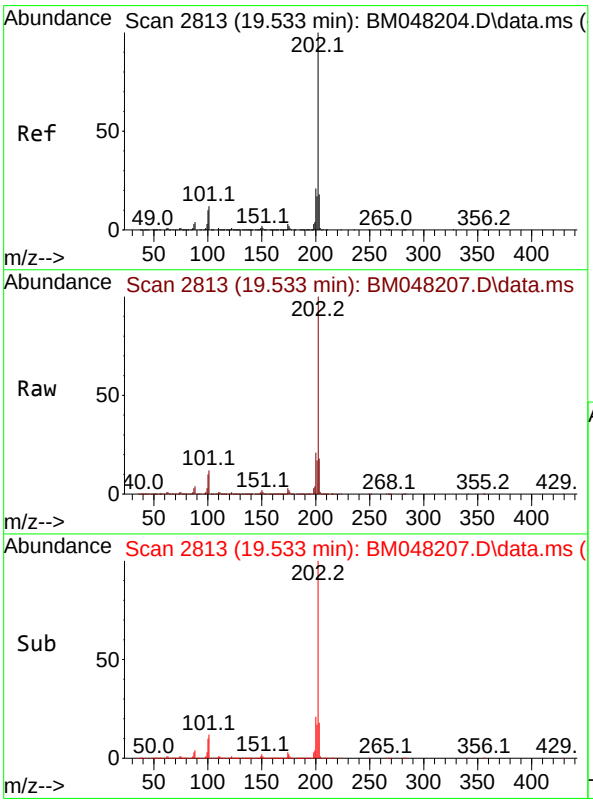
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.0	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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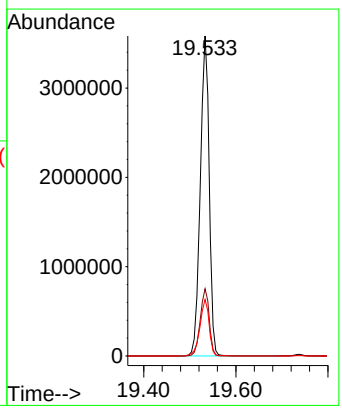
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

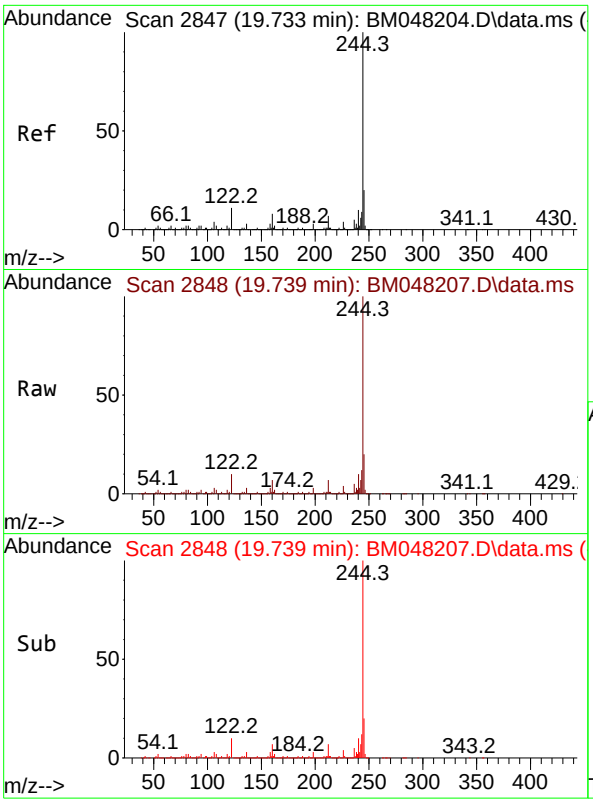


#78
Pyrene
Concen: 79.444 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:202 Resp: 4824103

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.6	14.1	21.1

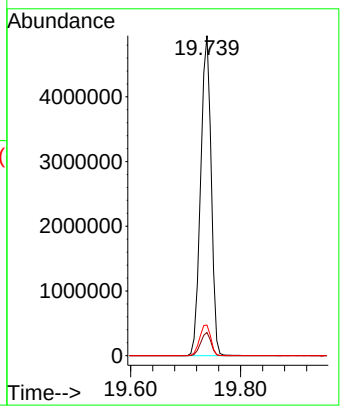




#79
Terphenyl-d14
Concen: 148.070 ng
RT: 19.739 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:244 Resp: 658255

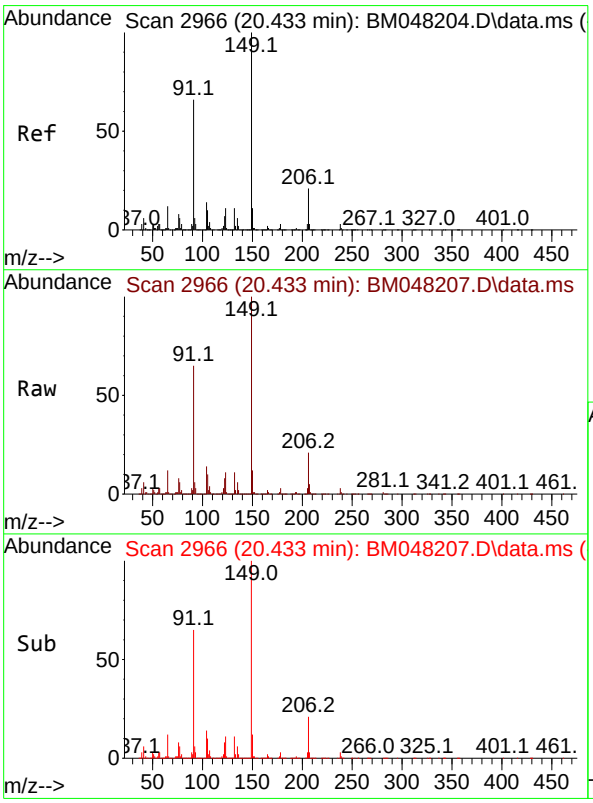
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	9.5	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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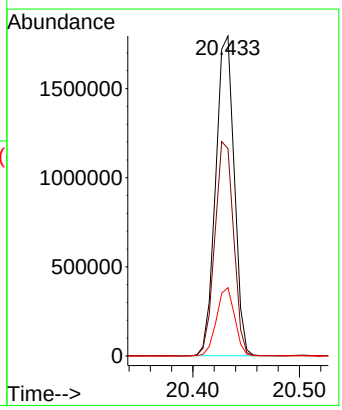
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

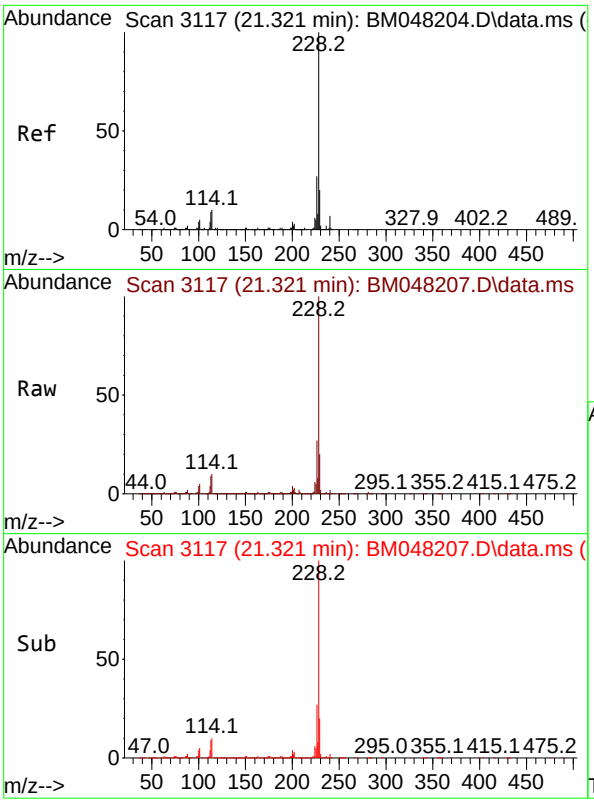


#80
Butylbenzylphthalate
Concen: 85.709 ng
RT: 20.433 min Scan# 2966
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:149 Resp: 2176372

Ion	Ratio	Lower	Upper
149	100		
91	64.8	52.5	78.7
206	21.3	17.0	25.6

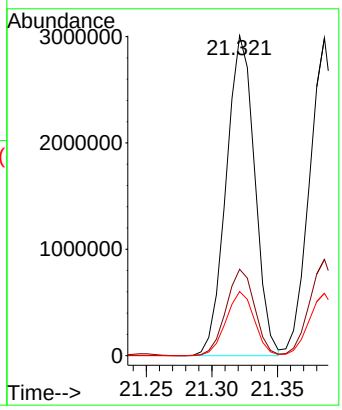




#81
Benzo(a)anthracene
Concen: 78.667 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:228 Resp: 456064

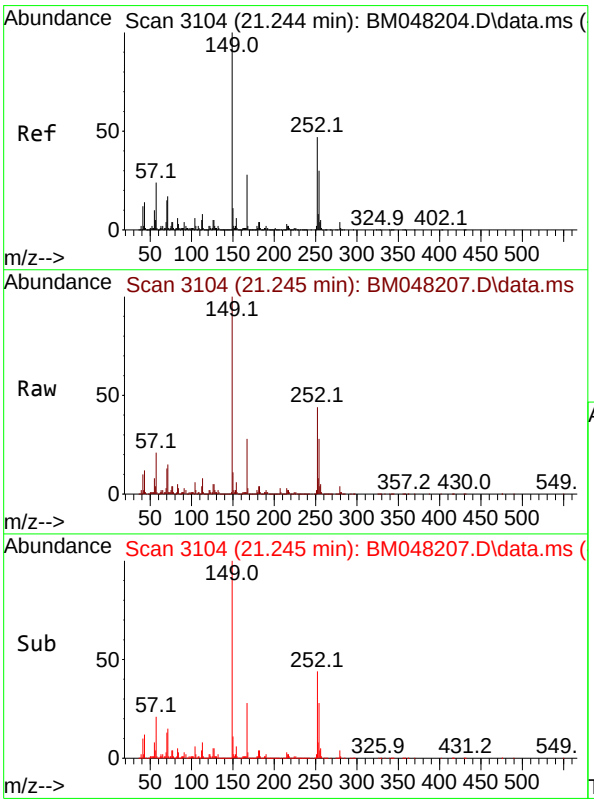
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	20.1	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

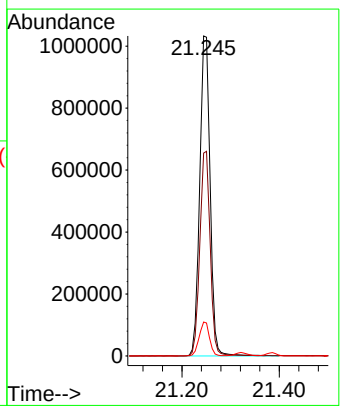
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

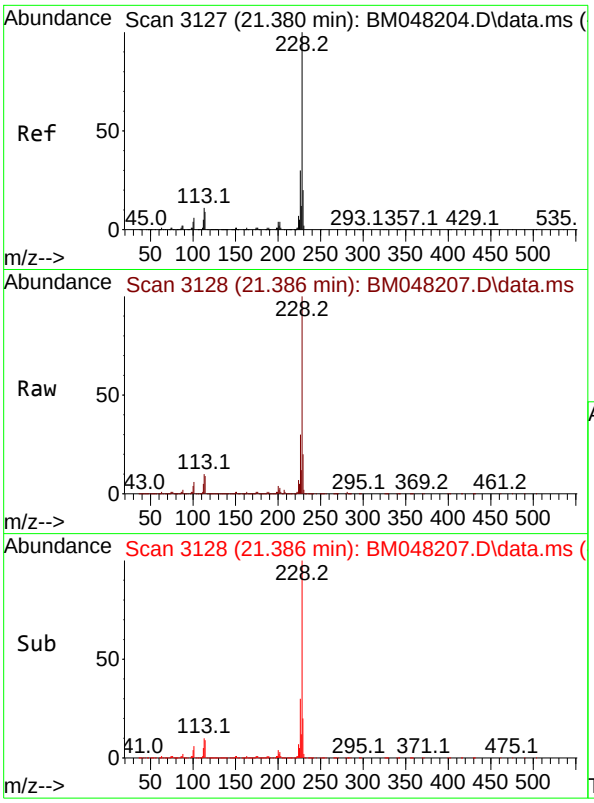


#82
3,3'-Dichlorobenzidine
Concen: 77.073 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:252 Resp: 1530506

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.8	77.8
126	10.6	8.8	13.2

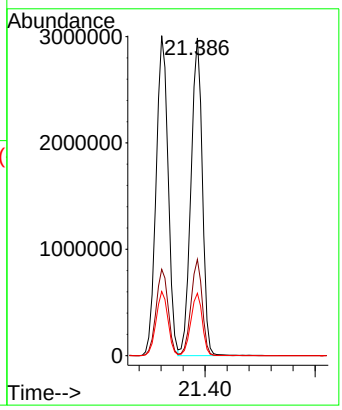




#83
Chrysene
Concen: 76.770 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:228 Resp: 427201

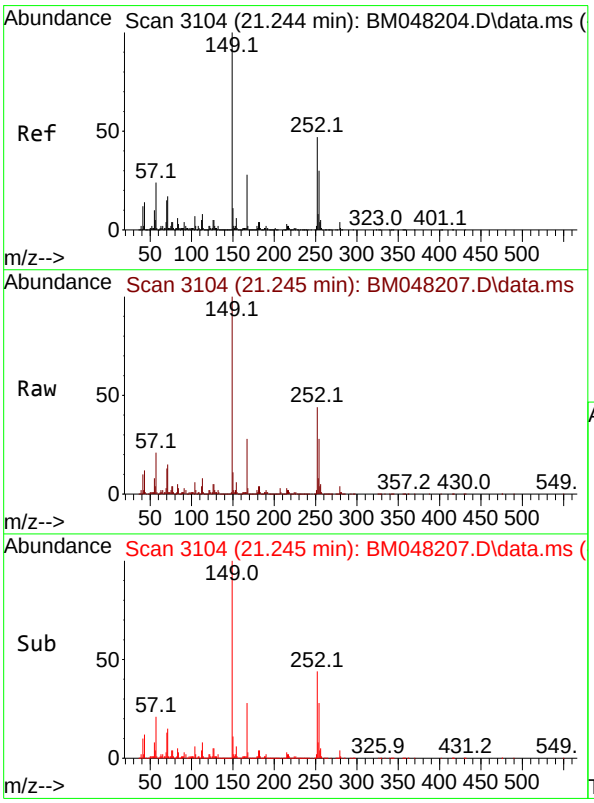
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	19.6	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

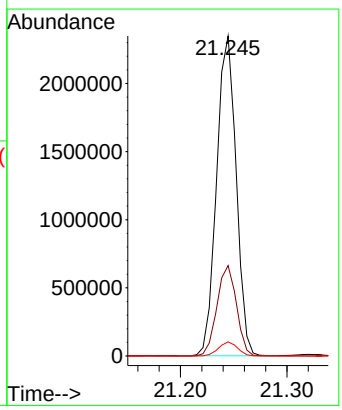
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

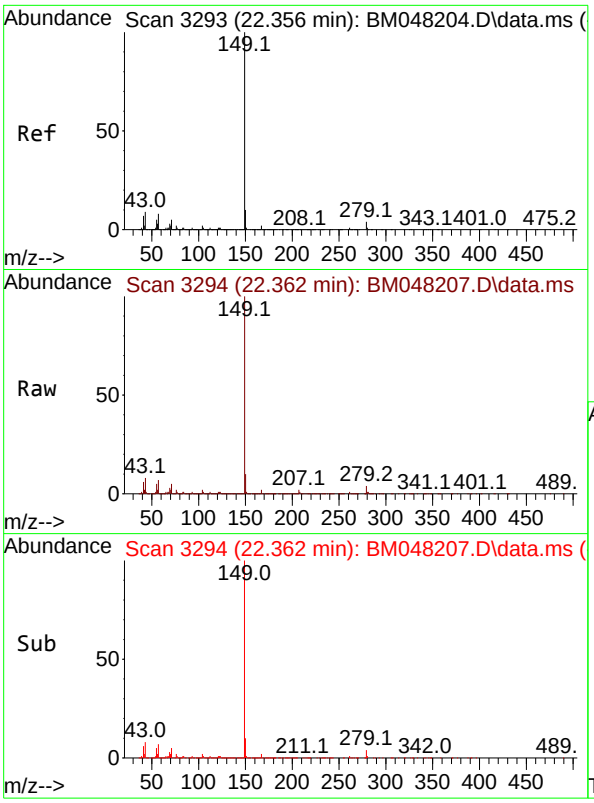


#84
Bis(2-ethylhexyl)phthalate
Concen: 80.935 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:149 Resp: 2986988

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	4.4	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 87.870 ng
RT: 22.362 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

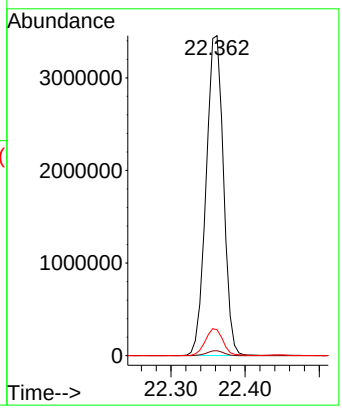
Tgt Ion:149 Resp: 561658

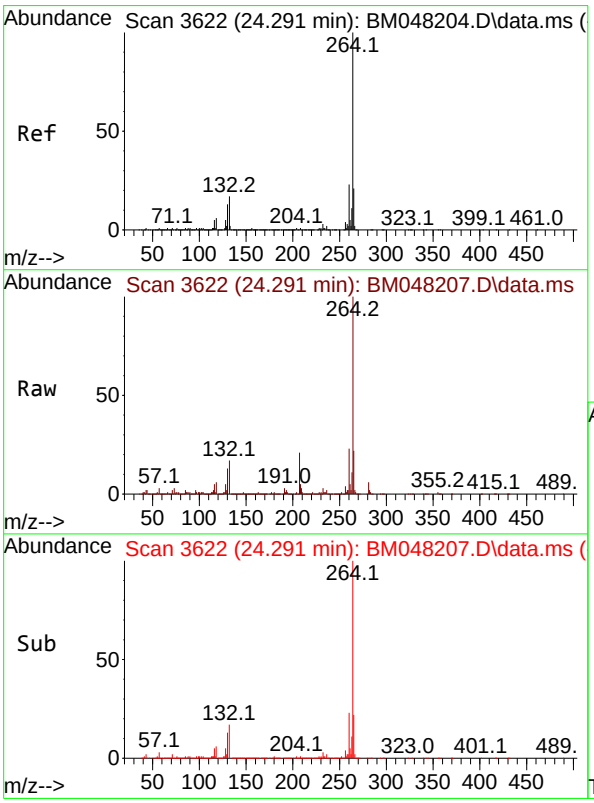
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.6	7.3	10.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

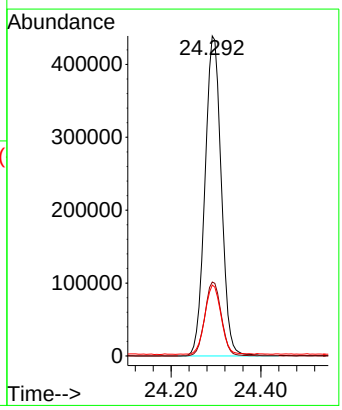


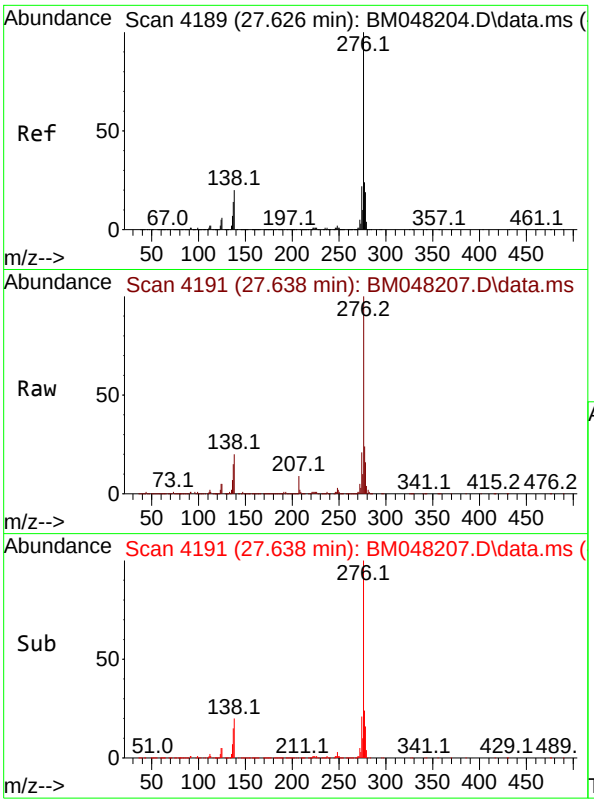


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:264 Resp: 1108351

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	22.2	17.4	26.2

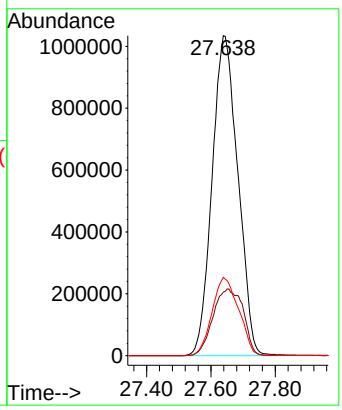




#87
Indeno(1,2,3-cd)pyrene
Concen: 78.667 ng
RT: 27.638 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:276 Resp: 576563

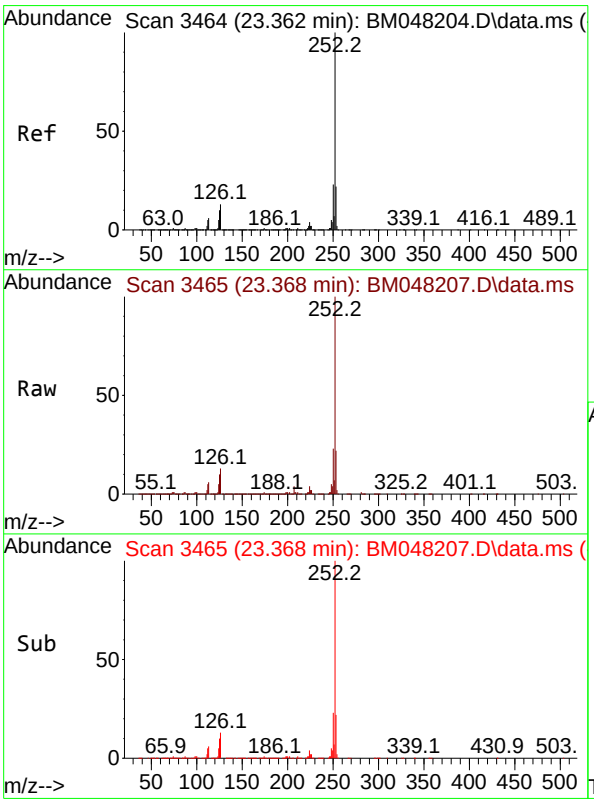
Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.8	29.6
277	25.2	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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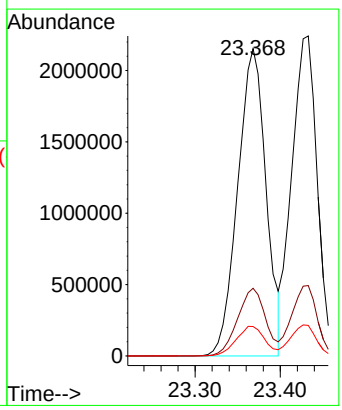
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

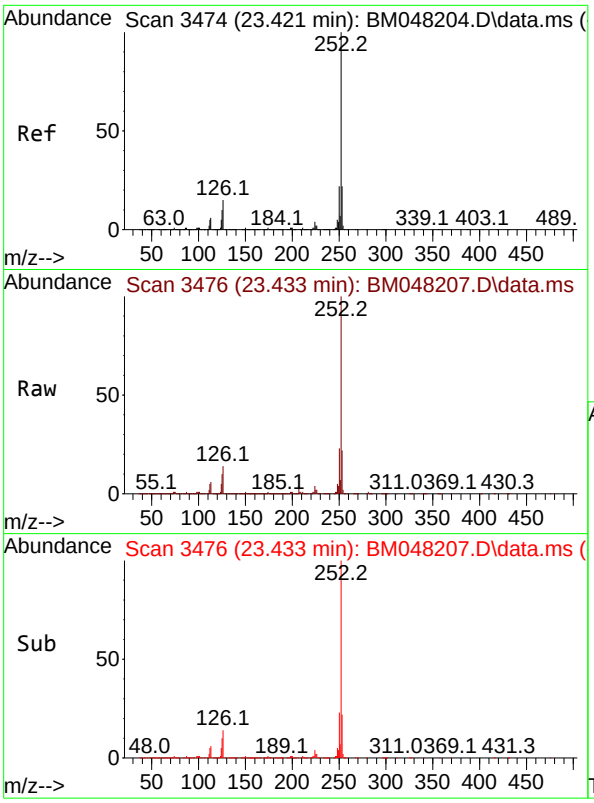


#88
Benzo(b)fluoranthene
Concen: 78.237 ng
RT: 23.368 min Scan# 3465
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:252 Resp: 4971836

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	9.6	7.9	11.9

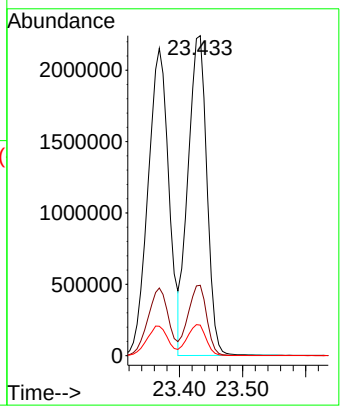




#89
Benzo(k)fluoranthene
Concen: 75.572 ng
RT: 23.433 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:252 Resp: 464324

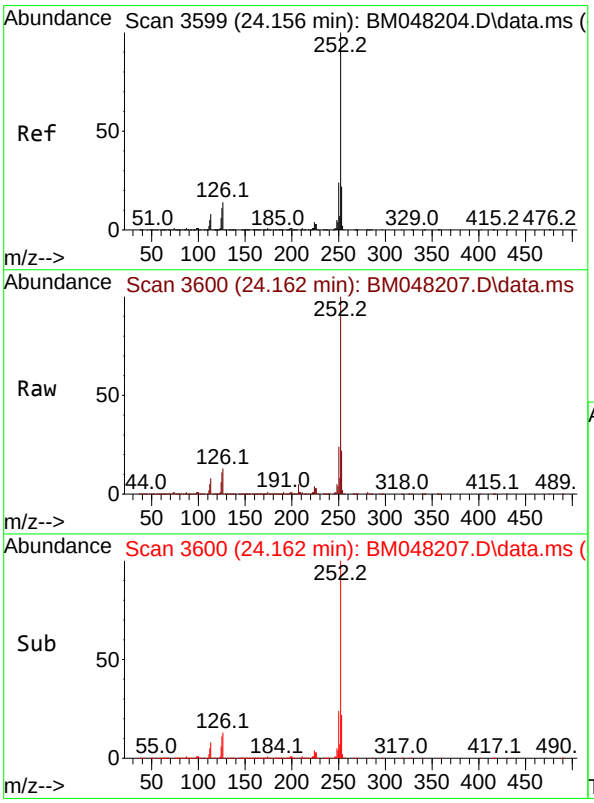
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	9.6	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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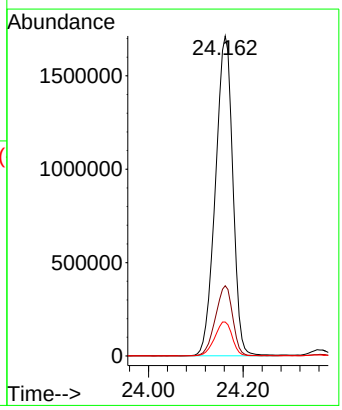
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

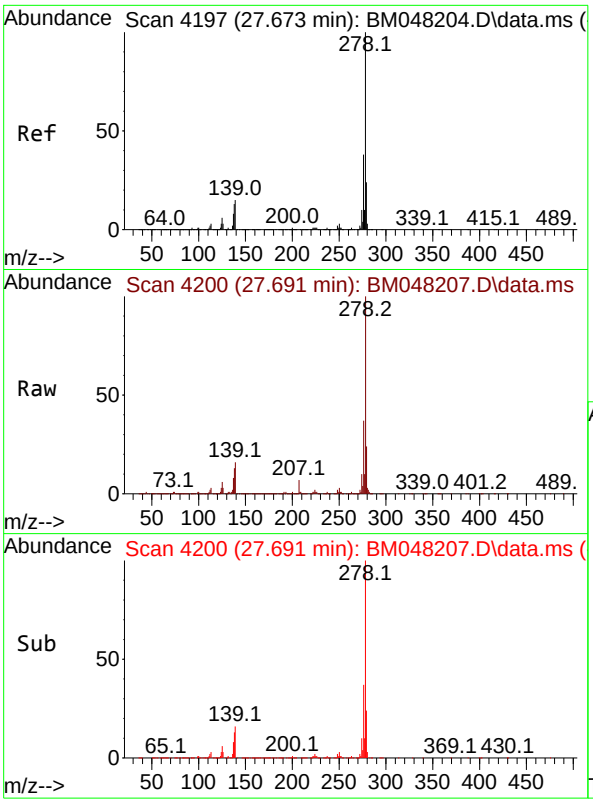


#90
Benzo(a)pyrene
Concen: 78.814 ng
RT: 24.162 min Scan# 3600
Delta R.T. 0.006 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:252 Resp: 4354342

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.6	8.8	13.2

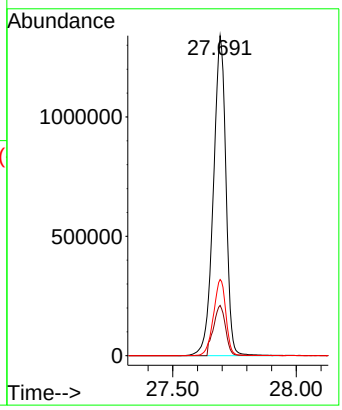




#91
Dibenzo(a,h)anthracene
Concen: 77.655 ng
RT: 27.691 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:278 Resp: 473955

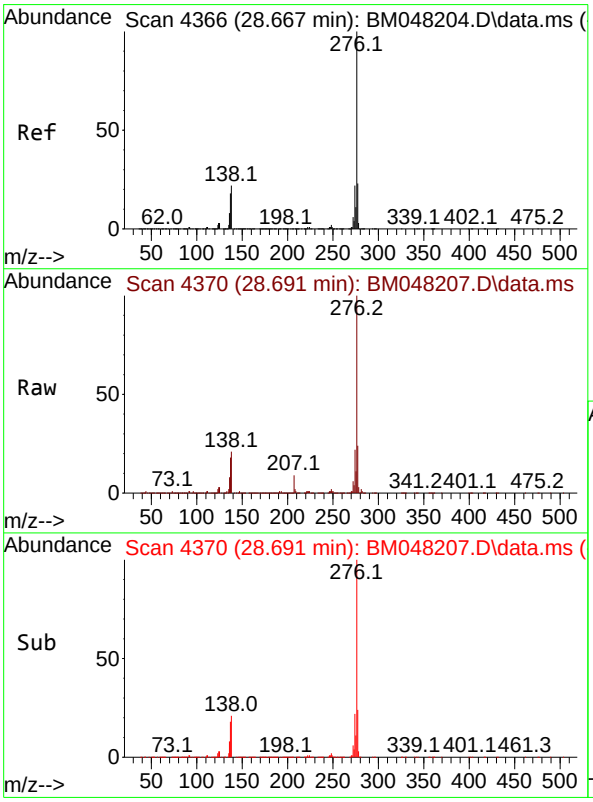
Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.2	18.4
279	23.8	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

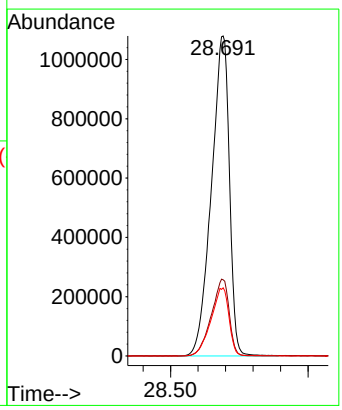
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 78.238 ng
RT: 28.691 min Scan# 4370
Delta R.T. 0.024 min
Lab File: BM048207.D
Acq: 23 Oct 2024 17:02

Tgt Ion:276 Resp: 4889796

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	21.3	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	173529	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	708890	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	458798	20.000	ng	0.00
64) Phenanthrene-d10	17.110	188	952437	20.000	ng	0.00
76) Chrysene-d12	21.339	240	906115	20.000	ng	0.00
86) Perylene-d12	24.291	264	1077278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	850649	82.401	ng	0.00
7) Phenol-d6	6.904	99	1115259	82.954	ng	0.00
23) Nitrobenzene-d5	8.881	82	1031472	82.156	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	483153	86.036	ng	0.00
45) 2-Fluorobiphenyl	12.986	172	2407244	80.513	ng	0.00
79) Terphenyl-d14	19.733	244	3613828	81.390	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	168798	39.945	ng	100
3) Pyridine	3.610	79	459942m	40.973	ng	
4) n-Nitrosodimethylamine	3.516	42	192255	40.338	ng	97
6) Aniline	7.051	93	485488	43.503	ng	99
8) 2-Chlorophenol	7.293	128	461505	41.149	ng	98
9) Benzaldehyde	6.863	77	274640	41.579	ng	99
10) Phenol	6.934	94	560798	41.460	ng	100
11) bis(2-Chloroethyl)ether	7.151	93	440680	40.903	ng	99
12) 1,3-Dichlorobenzene	7.610	146	521705	40.347	ng	100
13) 1,4-Dichlorobenzene	7.757	146	534029	40.653	ng	99
14) 1,2-Dichlorobenzene	8.075	146	510924	40.244	ng	99
15) Benzyl Alcohol	7.969	79	362132	42.221	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.251	45	627270	39.805	ng	99
17) 2-Methylphenol	8.175	107	378707	42.135	ng	99
18) Hexachloroethane	8.798	117	190793	39.627	ng	95
19) n-Nitroso-di-n-propyla...	8.534	70	350878	41.253	ng	97
20) 3+4-Methylphenols	8.504	107	528781	42.469	ng	98
22) Acetophenone	8.545	105	710810	41.085	ng	99
24) Nitrobenzene	8.922	77	535976	41.202	ng	98
25) Isophorone	9.451	82	963253	41.856	ng	100
26) 2-Nitrophenol	9.634	139	258053	42.964	ng	98
27) 2,4-Dimethylphenol	9.698	122	308410	42.323	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	602909	41.401	ng	99
29) 2,4-Dichlorophenol	10.169	162	444507	42.403	ng	98
30) 1,2,4-Trichlorobenzene	10.381	180	485303	40.422	ng	99
31) Naphthalene	10.563	128	1508139	40.790	ng	100
32) Benzoic acid	9.857	122	365395	45.048	ng	98
33) 4-Chloroaniline	10.681	127	534041	44.536	ng	98
34) Hexachlorobutadiene	10.851	225	299128	40.200	ng	96
35) Caprolactam	11.475	113	152079	44.661	ng	96
36) 4-Chloro-3-methylphenol	11.816	107	470052	42.954	ng	99
37) 2-Methylnaphthalene	12.180	142	1012794	40.999	ng	98
38) 1-Methylnaphthalene	12.398	142	1009031	41.192	ng	100
40) 1,2,4,5-Tetrachloroben...	12.551	216	523772	39.942	ng	100
41) Hexachlorocyclopentadiene	12.533	237	175516	39.553	ng	97
43) 2,4,6-Trichlorophenol	12.798	196	361314	41.519	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.874	196	410941	42.345	ng	99
46) 1,1'-Biphenyl	13.198	154	1328255	40.549	ng	100
47) 2-Chloronaphthalene	13.239	162	1038796	40.220	ng	99
48) 2-Nitroaniline	13.451	65	307178	43.851	ng	98
49) Acenaphthylene	14.086	152	1564971	41.532	ng	100
50) Dimethylphthalate	13.833	163	1295422	41.360	ng	99
51) 2,6-Dinitrotoluene	13.945	165	302362	43.266	ng	96
52) Acenaphthene	14.433	154	975614	40.748	ng	98
53) 3-Nitroaniline	14.280	138	308794	46.854	ng	97
54) 2,4-Dinitrophenol	14.486	184	177434	43.448	ng	97
55) Dibenzofuran	14.769	168	1556063	40.907	ng	100
56) 4-Nitrophenol	14.604	139	265825	45.193	ng	99
57) 2,4-Dinitrotoluene	14.739	165	410966	44.531	ng	98
58) Fluorene	15.416	166	1240427	41.239	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.998	232	343234	42.671	ng	100
60) Diethylphthalate	15.192	149	1337705	42.183	ng	100
61) 4-Chlorophenyl-phenyle...	15.410	204	618432	41.120	ng	98
62) 4-Nitroaniline	15.445	138	324799	47.619	ng	97
63) Azobenzene	15.704	77	1194670	42.033	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	241329	43.670	ng	98
66) n-Nitrosodiphenylamine	15.627	169	1049716	40.148	ng	100
67) 4-Bromophenyl-phenylether	16.304	248	387984	40.179	ng	99
68) Hexachlorobenzene	16.421	284	465986	40.178	ng	99
69) Atrazine	16.580	200	359262	49.108	ng	99
70) Pentachlorophenol	16.768	266	330813	43.445	ng	98
71) Phenanthrene	17.151	178	1915501	40.615	ng	100
72) Anthracene	17.245	178	1884398	41.275	ng	100
73) Carbazole	17.515	167	1888855	42.204	ng	99
74) Di-n-butylphthalate	18.080	149	2362092	42.401	ng	100
75) Fluoranthene	19.168	202	2317203	41.189	ng	100
77) Benzidine	19.356	184	424746	40.617	ng	98
78) Pyrene	19.533	202	2465408	40.650	ng	100
80) Butylbenzylphthalate	20.427	149	1089760	42.969	ng	96
81) Benzo(a)anthracene	21.321	228	2364135	40.829	ng	99
82) 3,3'-Dichlorobenzidine	21.245	252	833151	42.007	ng	100
83) Chrysene	21.380	228	2262449	40.707	ng	100
84) Bis(2-ethylhexyl)phtha...	21.245	149	1591892	43.186	ng	100
85) Di-n-octyl phthalate	22.356	149	2782686	43.588	ng	99
87) Indeno(1,2,3-cd)pyrene	27.632	276	2938543	41.250	ng	100
88) Benzo(b)fluoranthene	23.362	252	2533061	41.010	ng	100
89) Benzo(k)fluoranthene	23.421	252	2413239	40.410	ng	99
90) Benzo(a)pyrene	24.156	252	2219583	41.334	ng	100
91) Dibenzo(a,h)anthracene	27.679	278	2446970	41.249	ng	100
92) Benzo(g,h,i)perylene	28.668	276	2488676	40.968	ng	99

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

ICAL Form

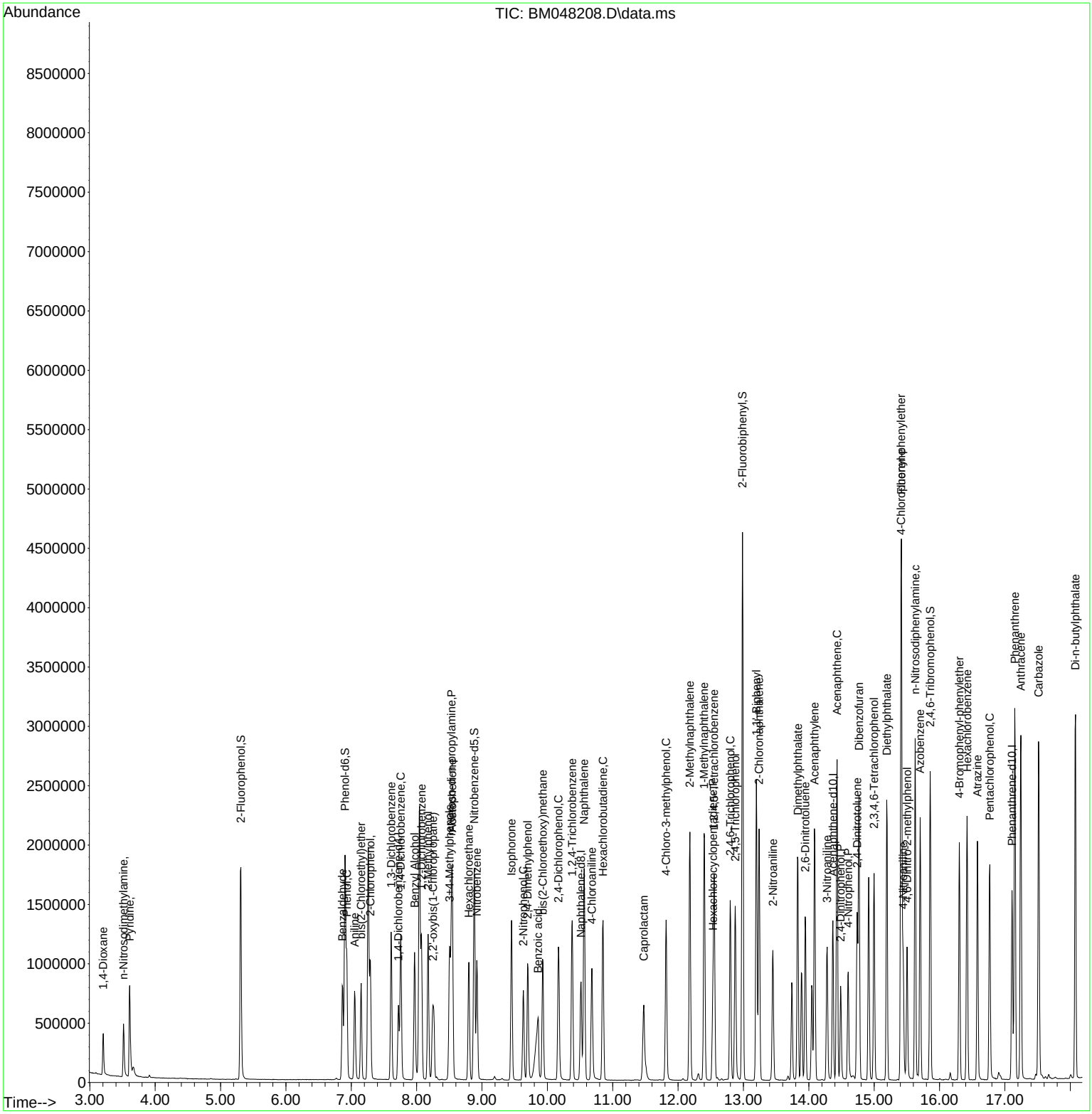
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Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



ICAL Form

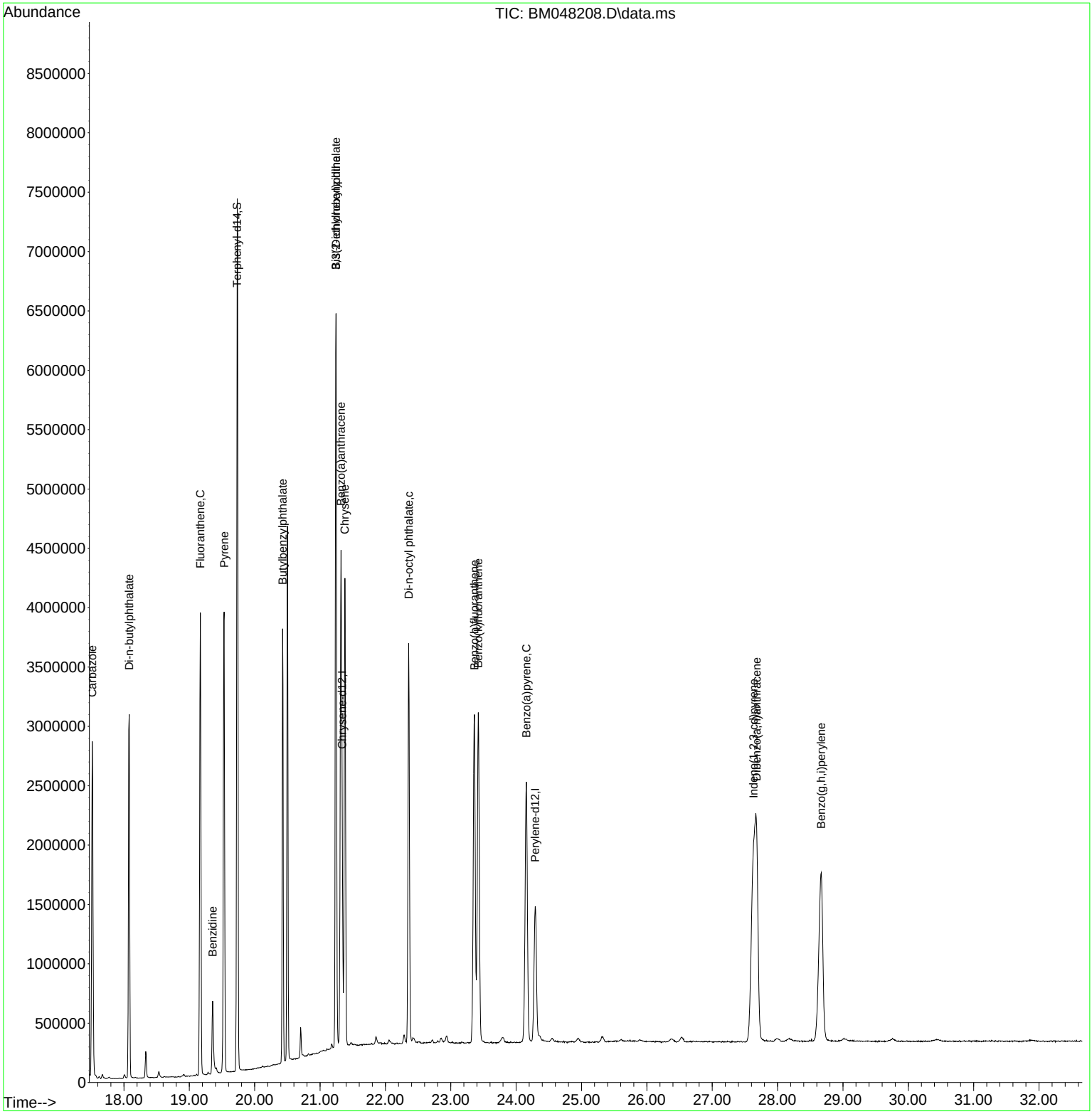
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Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

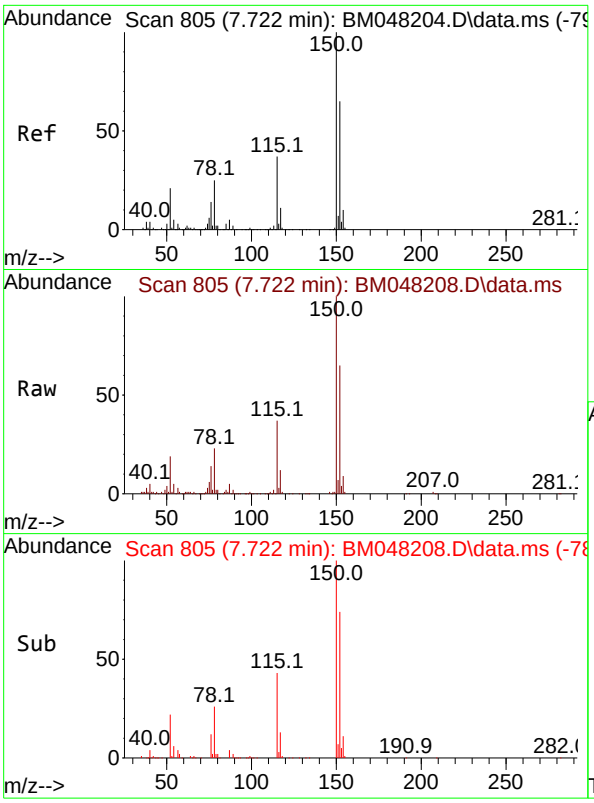
Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

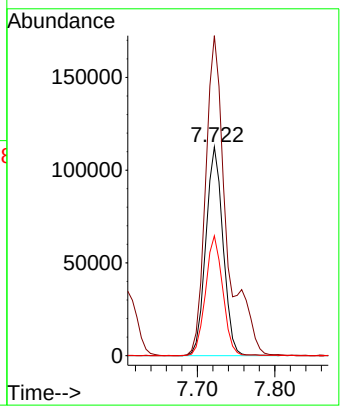




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:152 Resp: 173529

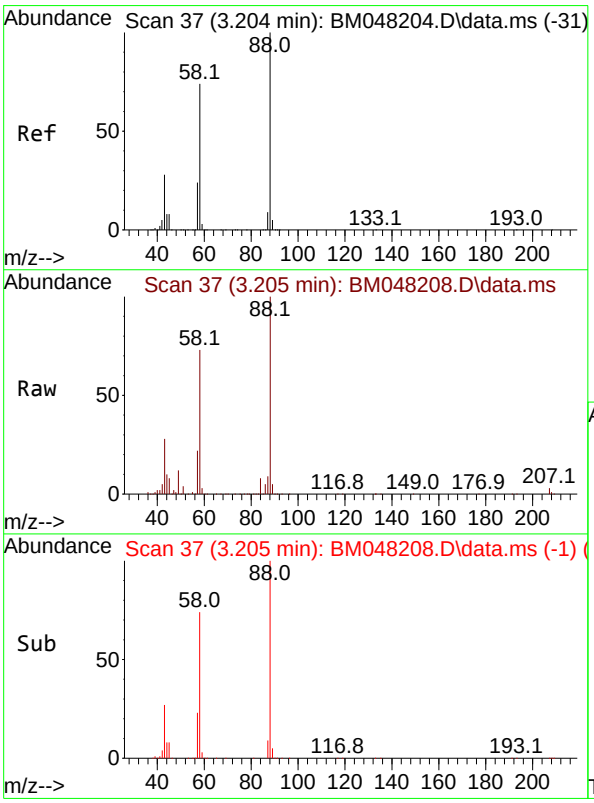
Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.0	184.6
115	57.4	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

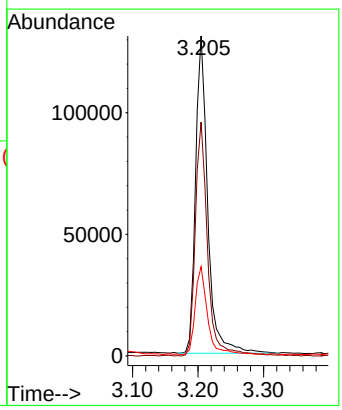
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

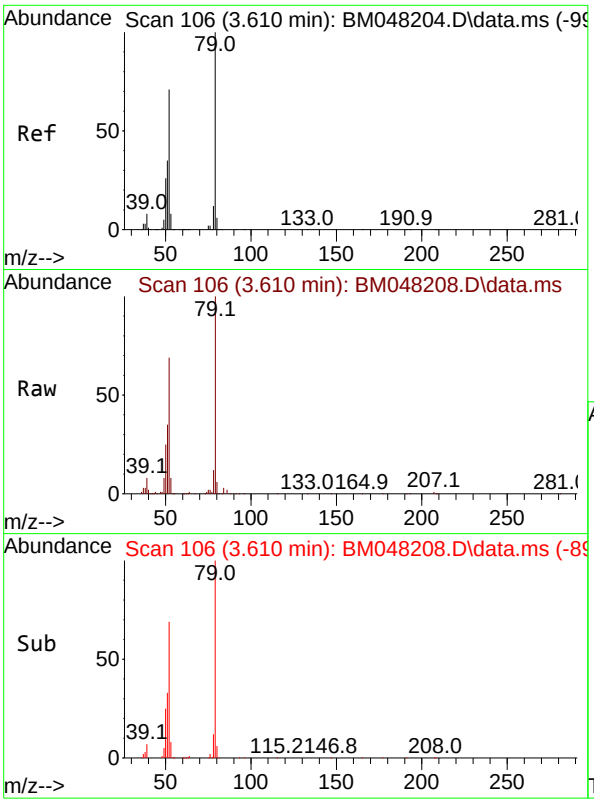


#2
1,4-Dioxane
Concen: 39.945 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 88 Resp: 168798

Ion	Ratio	Lower	Upper
88	100		
58	75.1	59.7	89.5
43	28.2	22.6	33.8

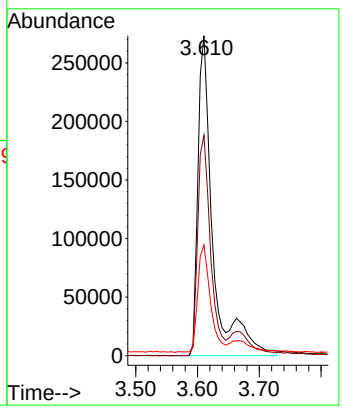




#3
Pyridine
Concen: 40.973 ng m
RT: 3.610 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 79 Resp: 45994

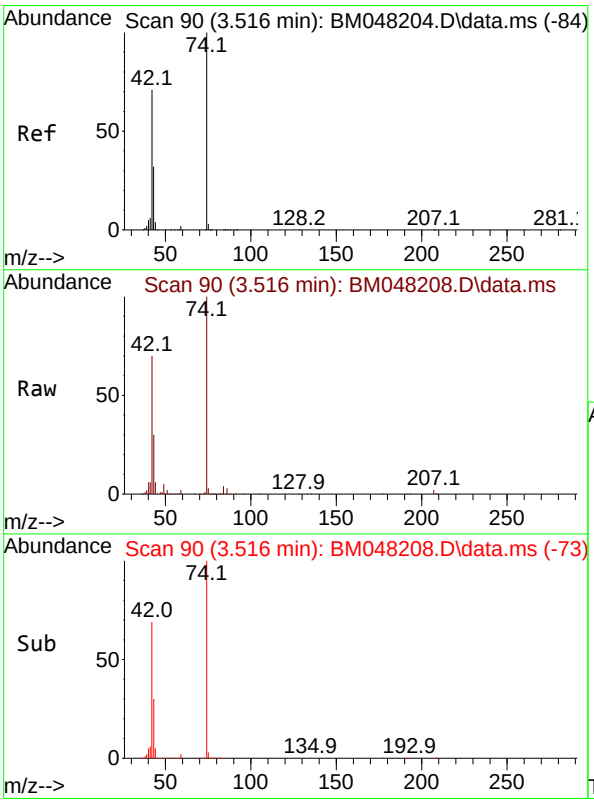
Ion	Ratio	Lower	Upper
79	100		
52	68.8	56.5	84.7
51	34.6	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

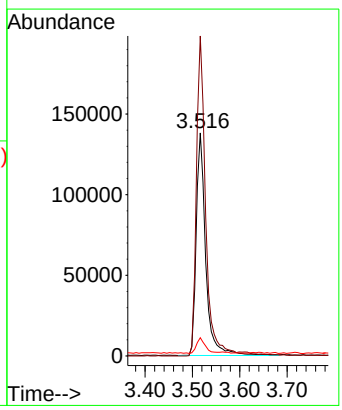
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

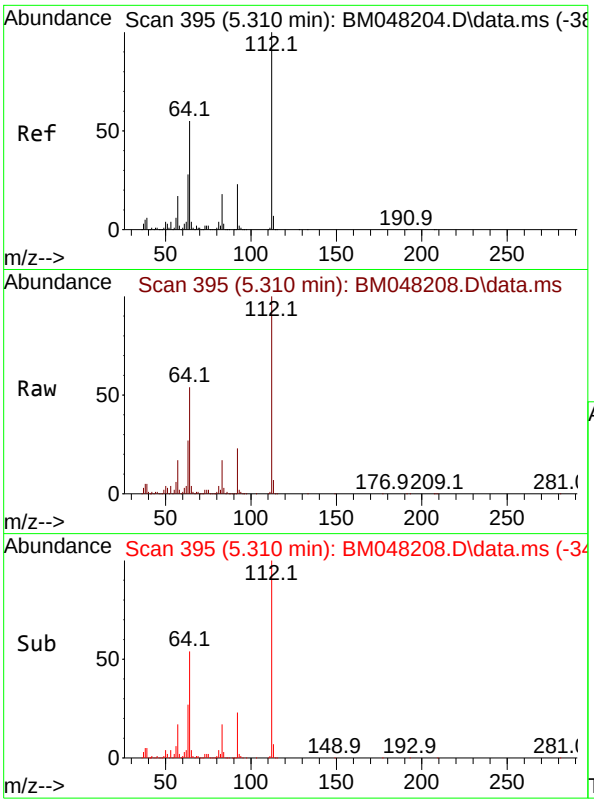


#4
n-Nitrosodimethylamine
Concen: 40.338 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 42 Resp: 192255

Ion	Ratio	Lower	Upper
42	100		
74	143.5	111.8	167.6
44	8.2	6.0	9.0

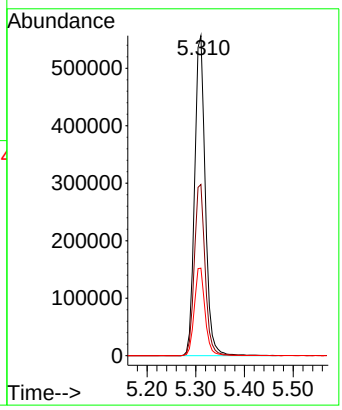




#5
2-Fluorophenol
Concen: 82.401 ng
RT: 5.310 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:112 Resp: 85064

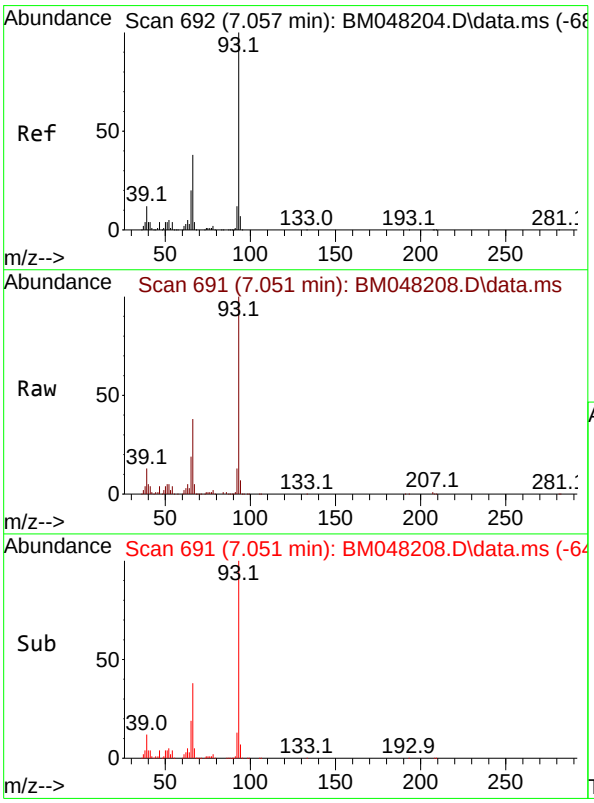
Ion	Ratio	Lower	Upper
112	100		
64	53.5	44.2	66.2
63	27.3	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

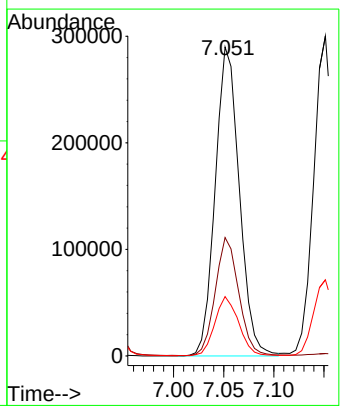
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

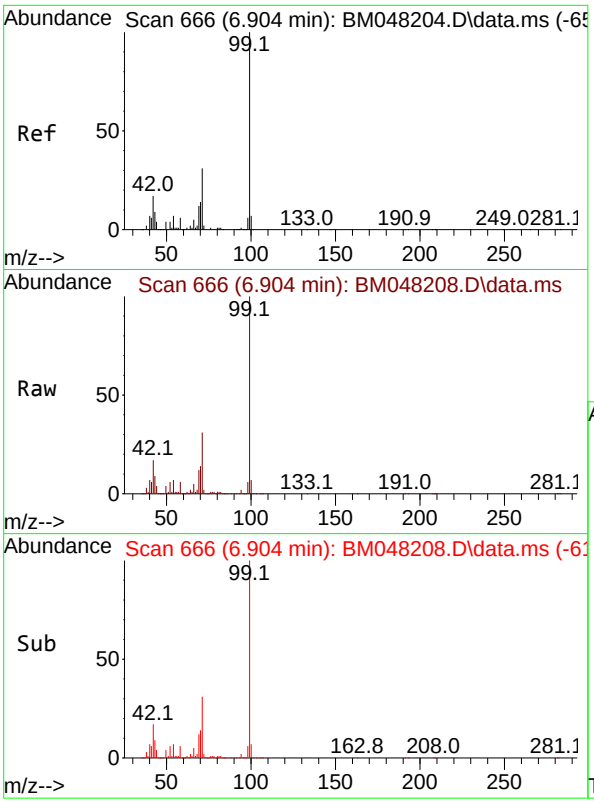


#6
Aniline
Concen: 43.503 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 93 Resp: 485488

Ion	Ratio	Lower	Upper
93	100		
66	38.3	30.2	45.2
65	19.2	16.2	24.2

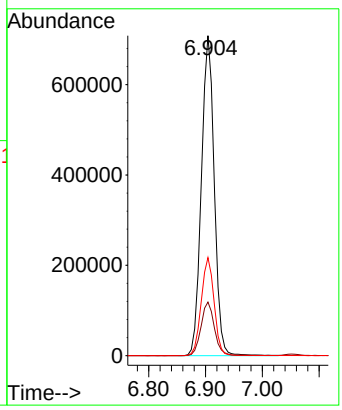




#7
Phenol-d6
Concen: 82.954 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 99 Resp: 111525

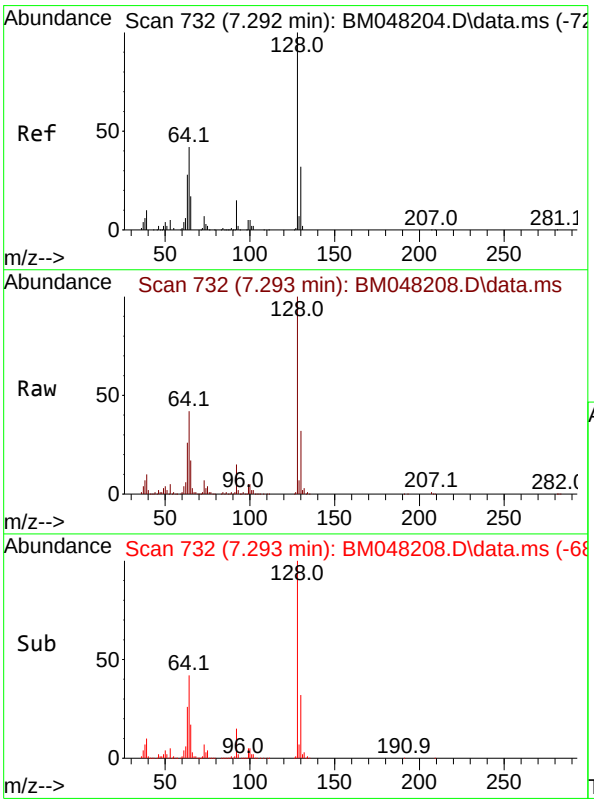
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.8	20.8
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

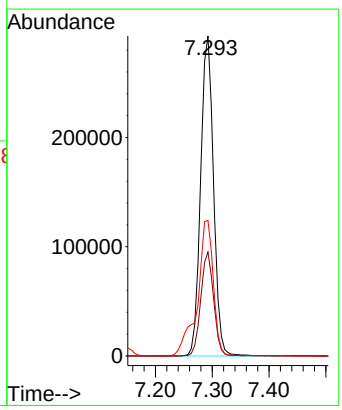
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

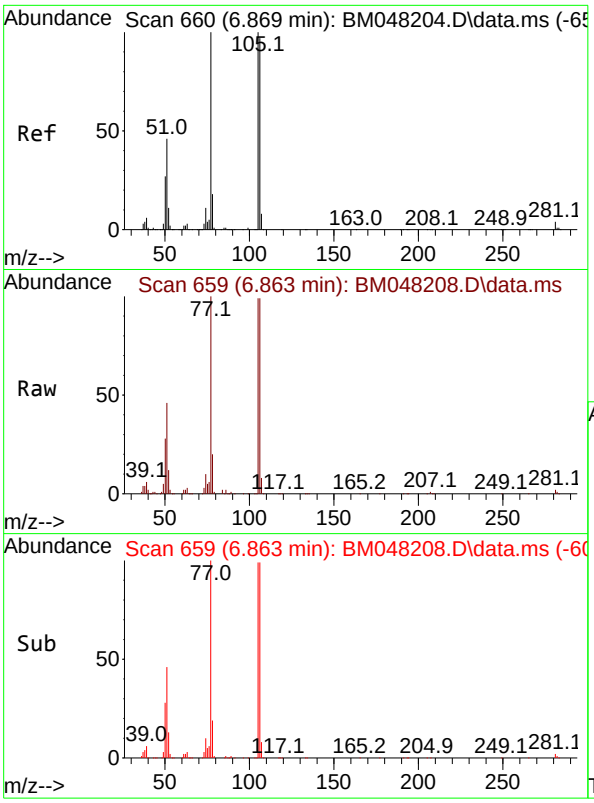


#8
2-Chlorophenol
Concen: 41.149 ng
RT: 7.293 min Scan# 732
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:128 Resp: 461505

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.1	52.1
64	42.4	23.8	63.8

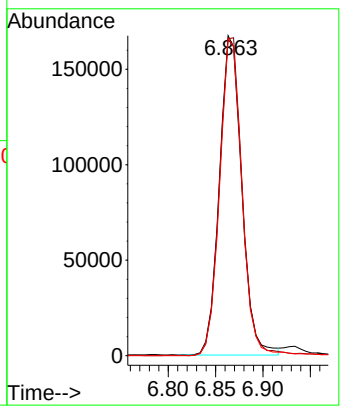




#9
Benzaldehyde
Concen: 41.579 ng
RT: 6.863 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 77 Resp: 27464

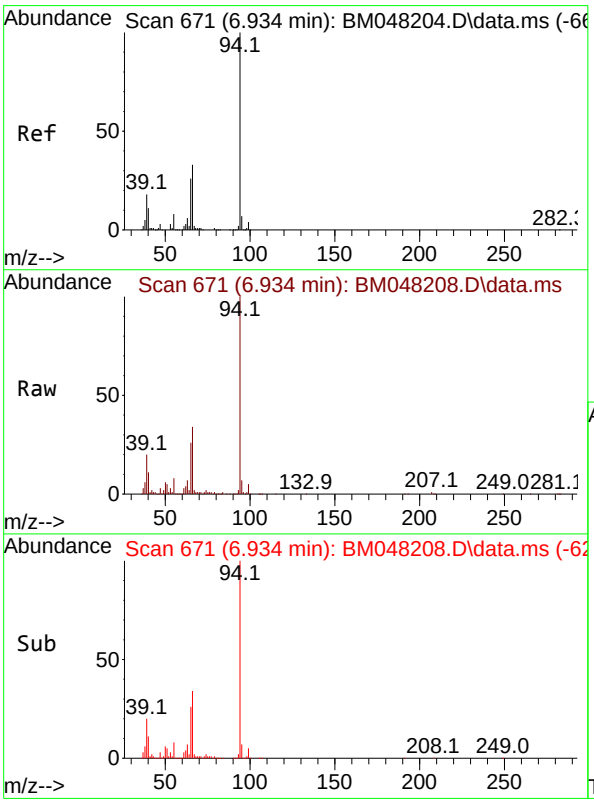
Ion	Ratio	Lower	Upper
77	100		
105	99.0	79.6	119.6
106	99.2	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

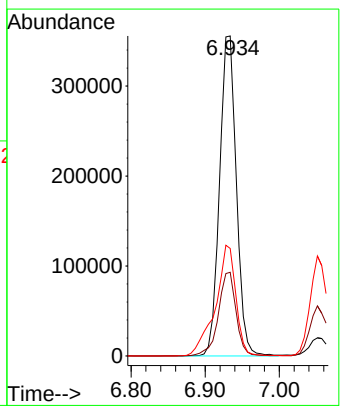
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

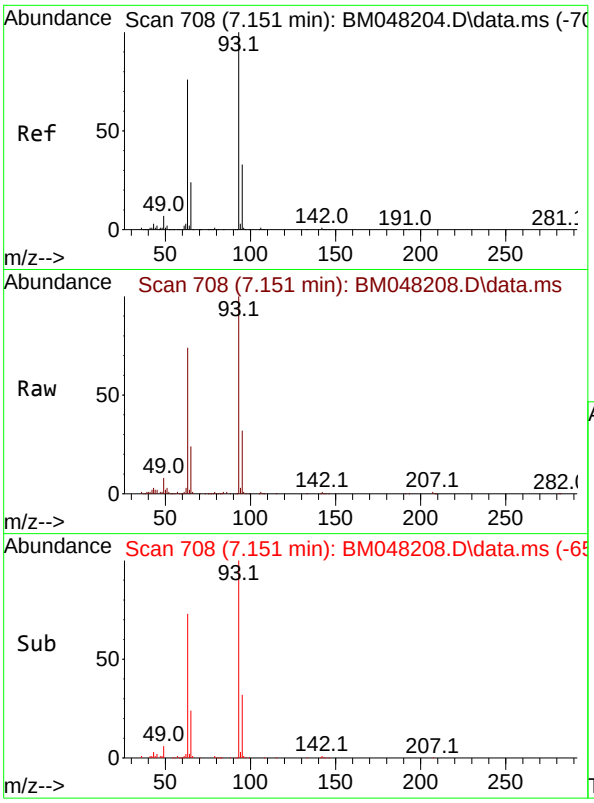


#10
Phenol
Concen: 41.460 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 94 Resp: 560798

Ion	Ratio	Lower	Upper
94	100		
65	26.2	6.5	46.5
66	33.6	13.6	53.6

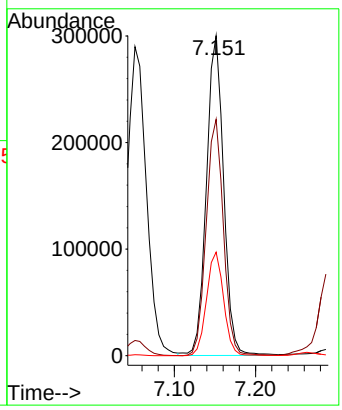




#11
bis(2-Chloroethyl)ether
Concen: 40.903 ng
RT: 7.151 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 93 Resp: 44068(

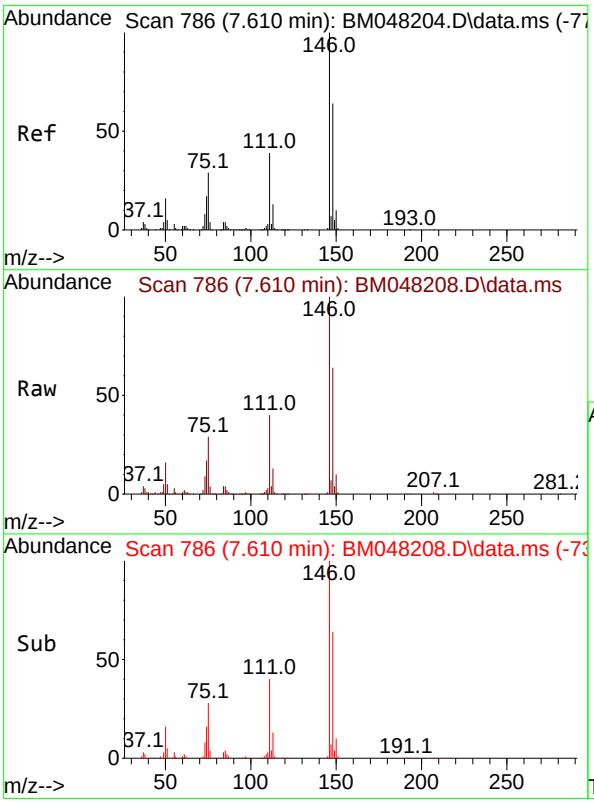
Ion	Ratio	Lower	Upper
93	100		
63	73.8	55.3	95.3
95	32.4	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

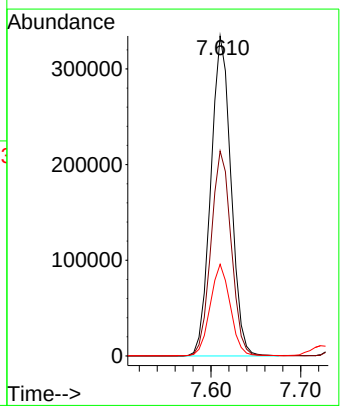
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

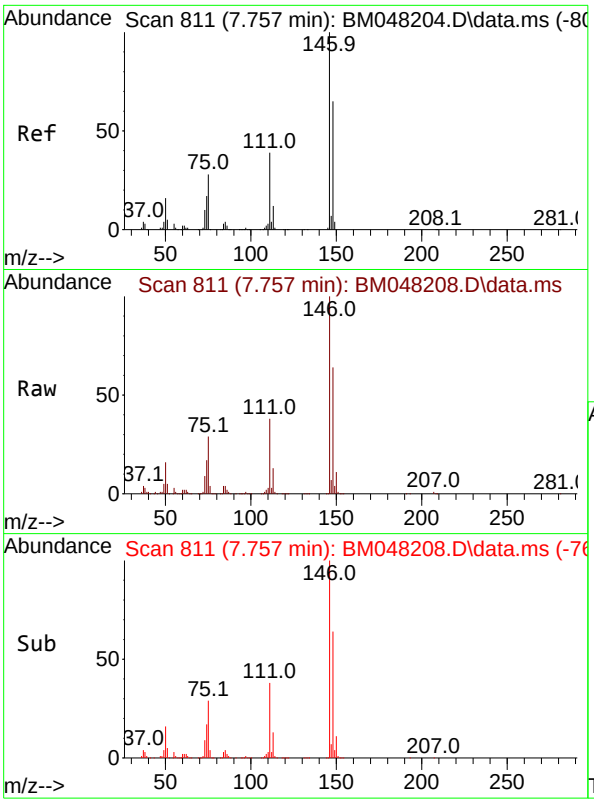


#12
1,3-Dichlorobenzene
Concen: 40.347 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:146 Resp: 521705

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
75	28.7	22.9	34.3

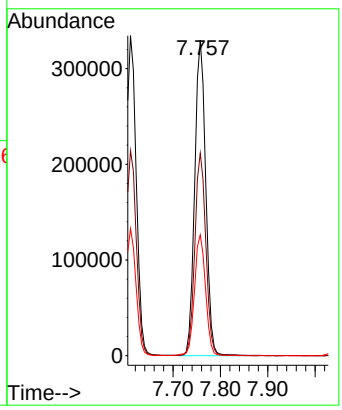




#13
1,4-Dichlorobenzene
Concen: 40.653 ng
RT: 7.757 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:146 Resp: 53402

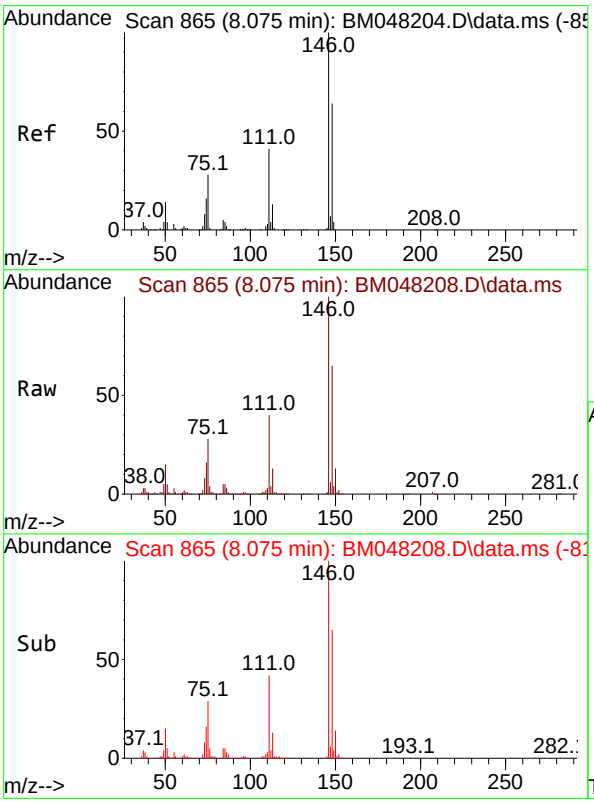
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.7	77.5
111	38.3	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

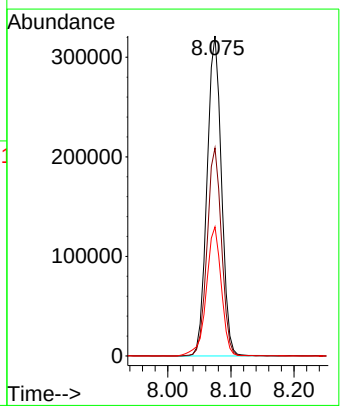
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

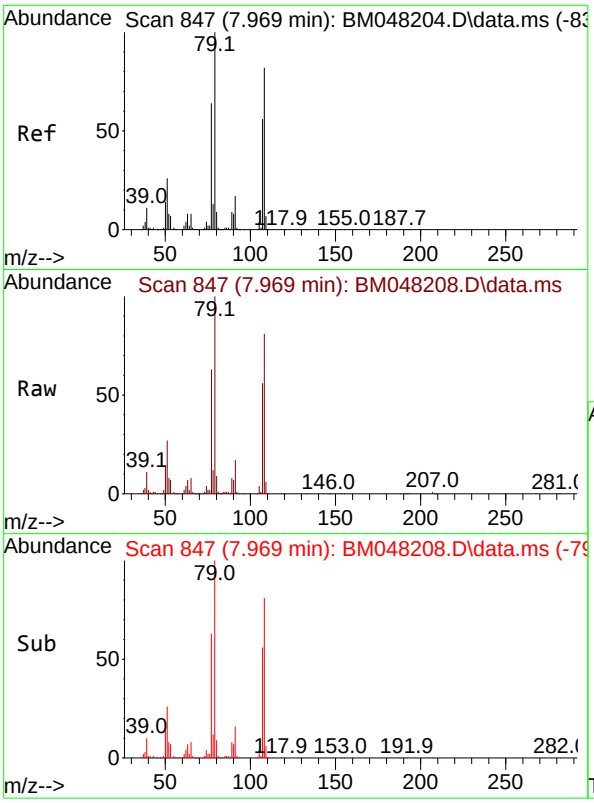


#14
1,2-Dichlorobenzene
Concen: 40.244 ng
RT: 8.075 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:146 Resp: 510924

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.3	76.9
111	40.4	32.7	49.1





#15
Benzyl Alcohol
Concen: 42.221 ng
RT: 7.969 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

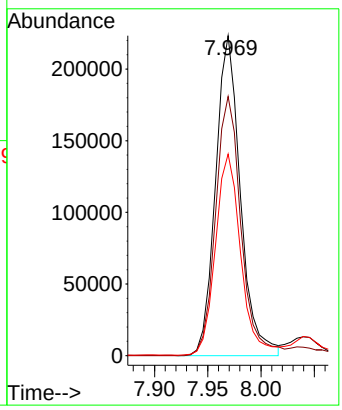
Tgt Ion: 79 Resp: 36213

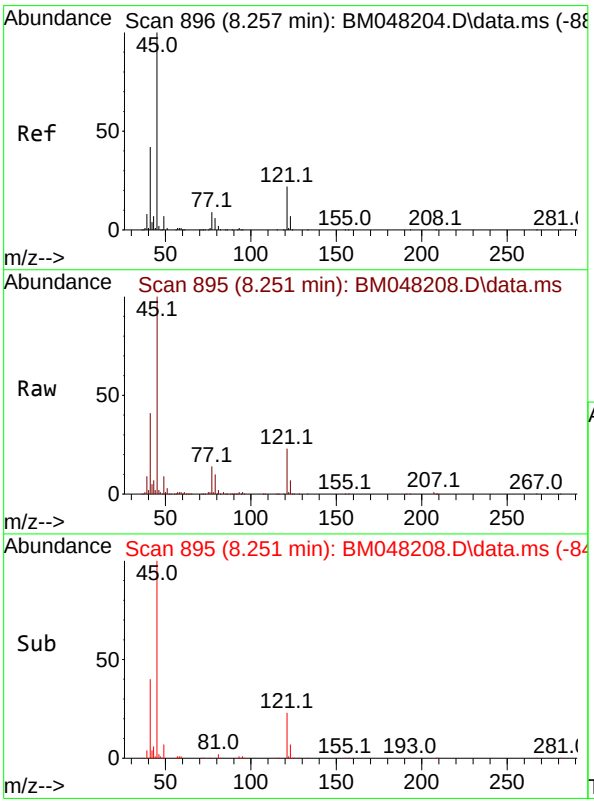
Ion	Ratio	Lower	Upper
79	100		
108	81.0	65.2	97.8
77	63.0	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

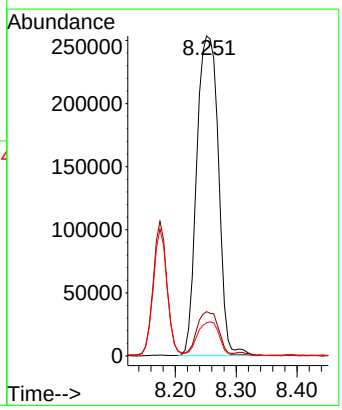


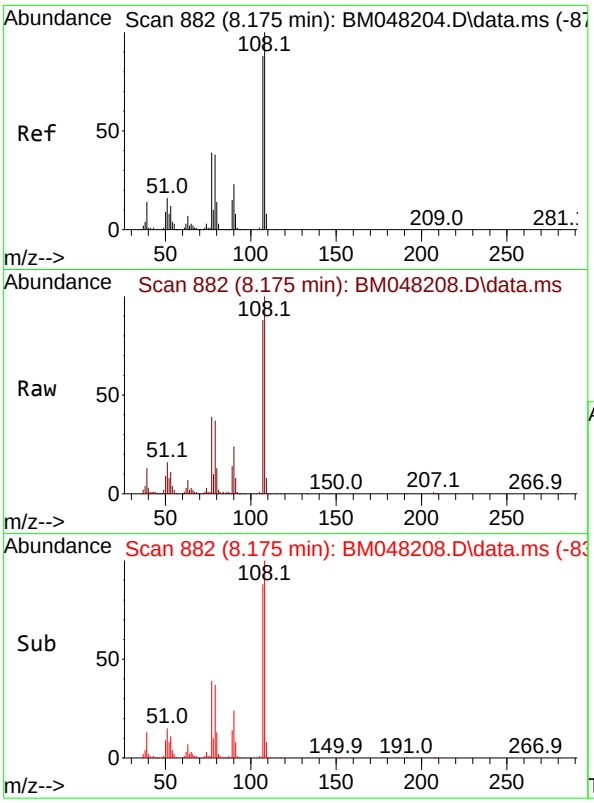


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.805 ng
RT: 8.251 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 45 Resp: 627270

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.2
79	10.3	0.0	30.7

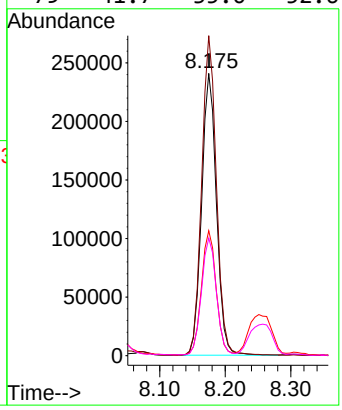




#17
2-Methylphenol
Concen: 42.135 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:107 Resp: 37870

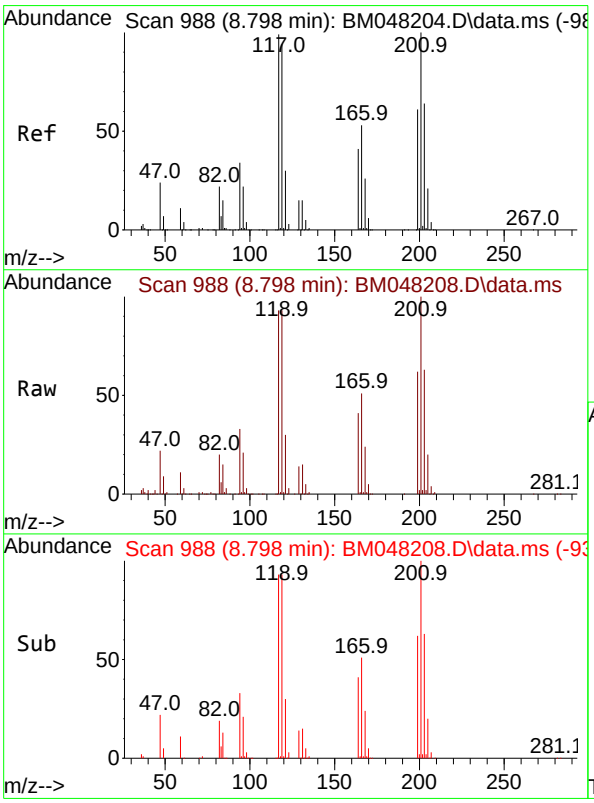
Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.3	136.9
77	44.3	36.2	54.2
79	41.7	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

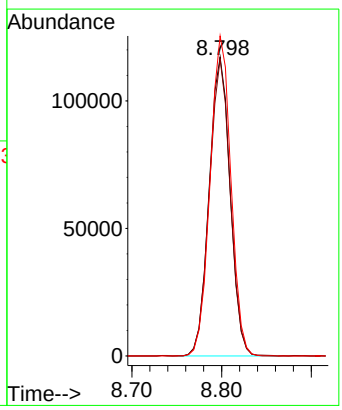
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

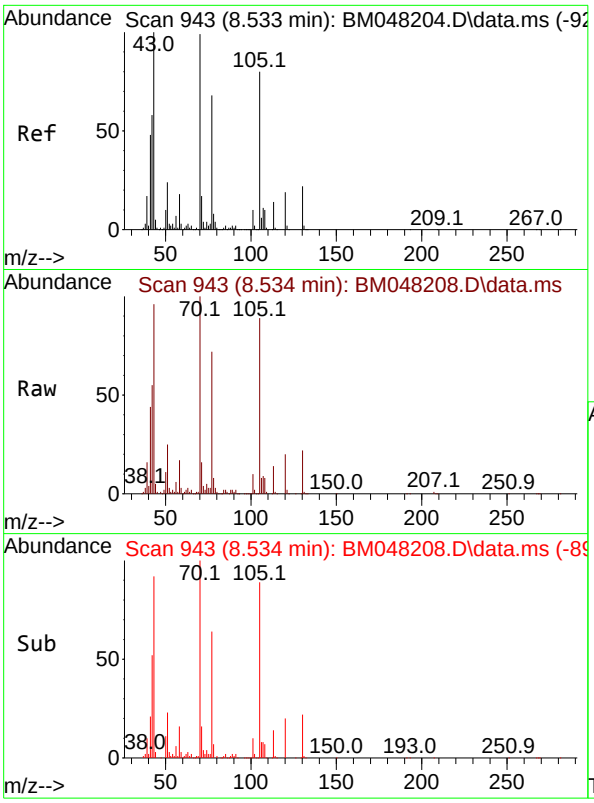


#18
Hexachloroethane
Concen: 39.627 ng
RT: 8.798 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:117 Resp: 190793

Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.5	114.7
201	107.0	80.9	121.3

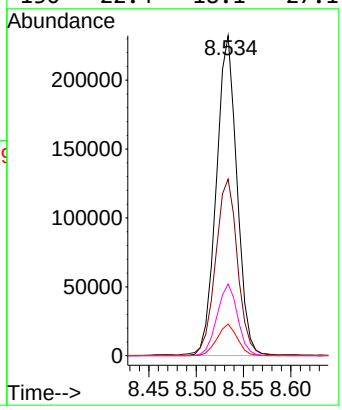




#19
n-Nitroso-di-n-propylamine
Concen: 41.253 ng
RT: 8.534 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 70 Resp: 35087

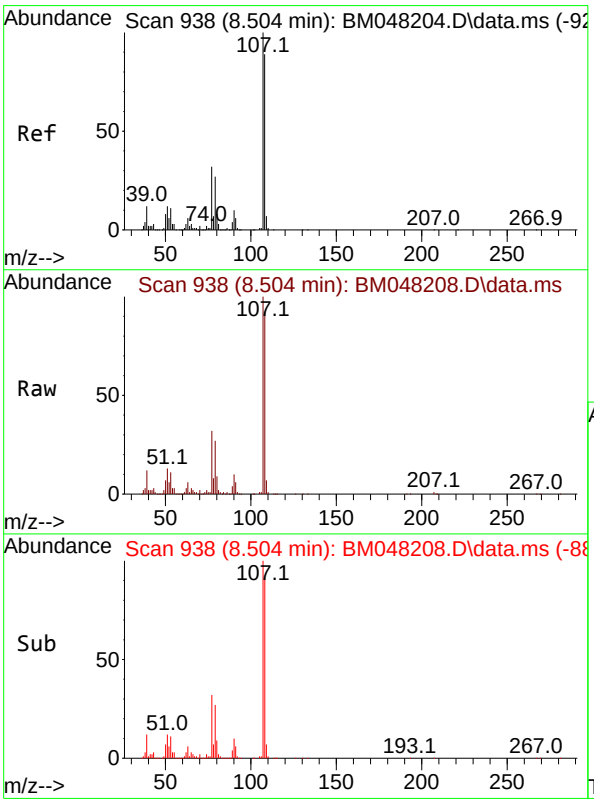
Ion	Ratio	Lower	Upper
70	100		
42	55.2	47.0	70.6
101	9.9	7.8	11.6
130	22.4	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

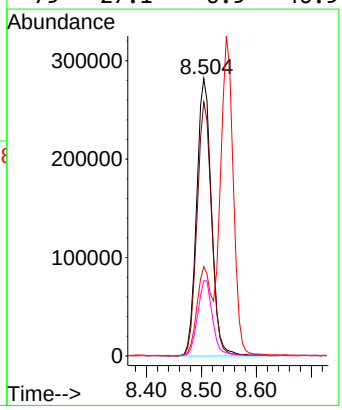
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

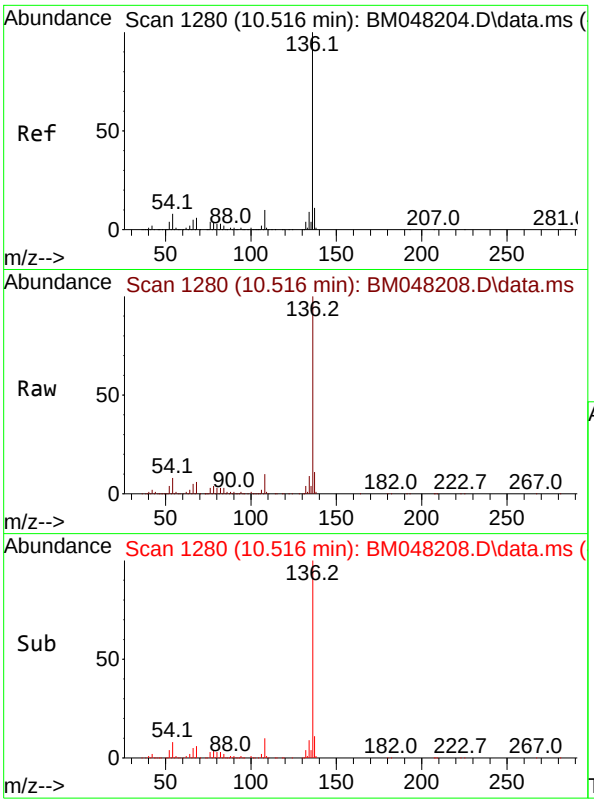


#20
3+4-Methylphenols
Concen: 42.469 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:107 Resp: 528781

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.0	109.0
77	32.2	12.3	52.3
79	27.1	6.9	46.9

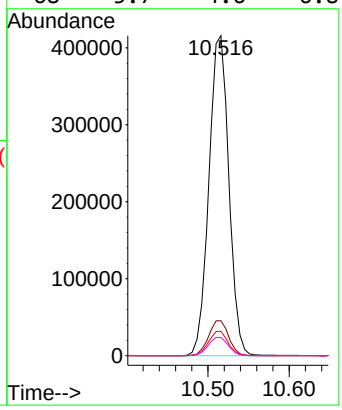




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:136 Resp: 70889

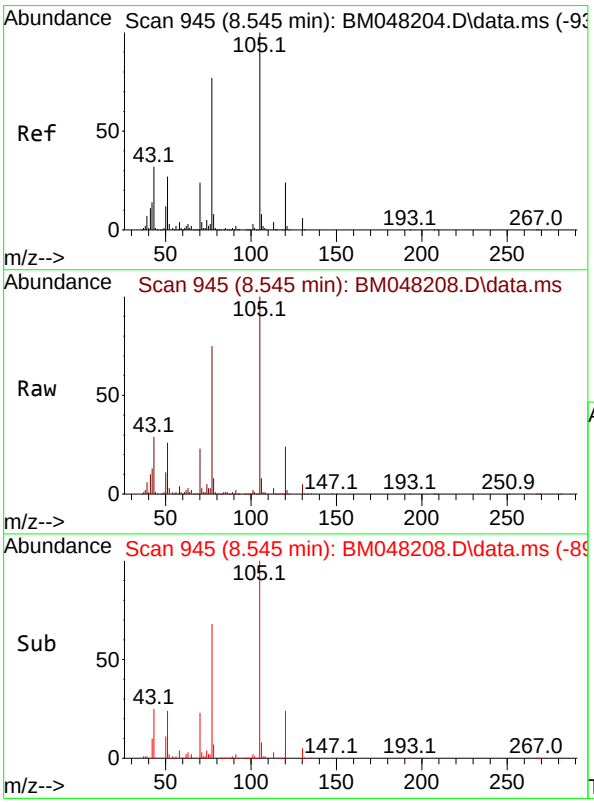
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	6.5	9.7
68	5.7	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

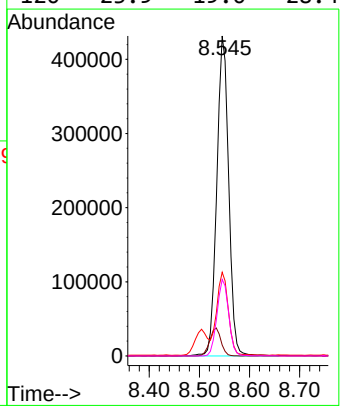
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

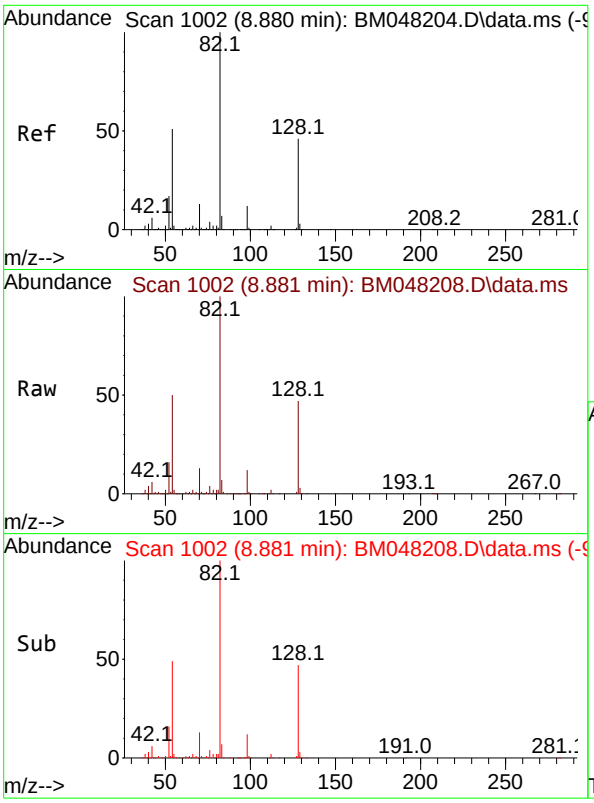


#22
Acetophenone
Concen: 41.085 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:105 Resp: 710810

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.4	5.0
51	26.2	21.7	32.5
120	23.9	19.0	28.4

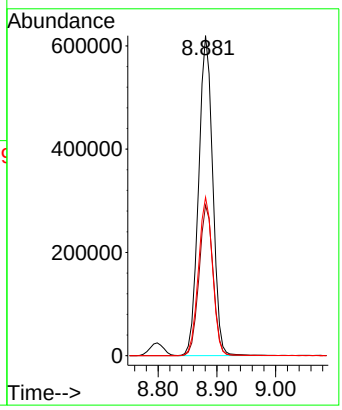




#23
Nitrobenzene-d5
Concen: 82.156 ng
RT: 8.881 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 82 Resp: 103147

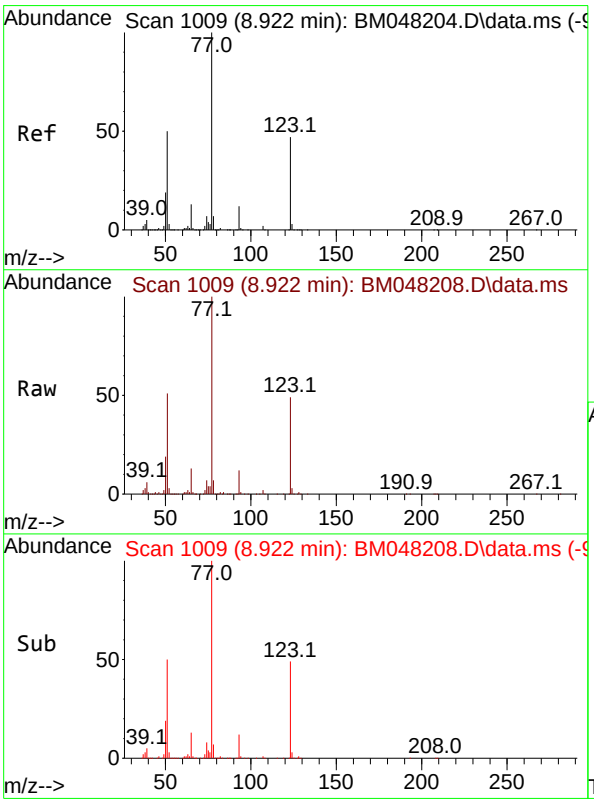
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.6	54.8
54	49.5	41.0	61.4



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

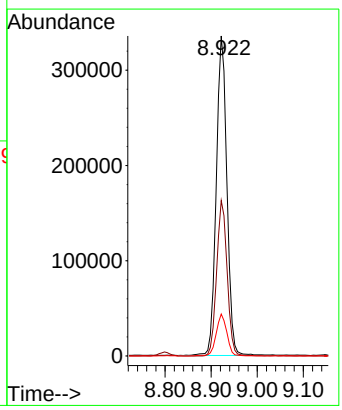
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

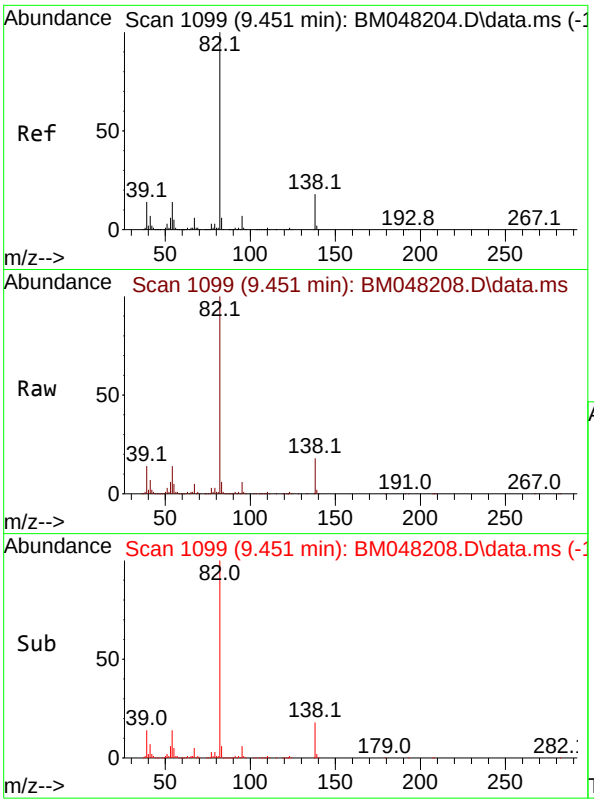


#24
Nitrobenzene
Concen: 41.202 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 77 Resp: 535976

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.8	56.6
65	13.1	10.4	15.6

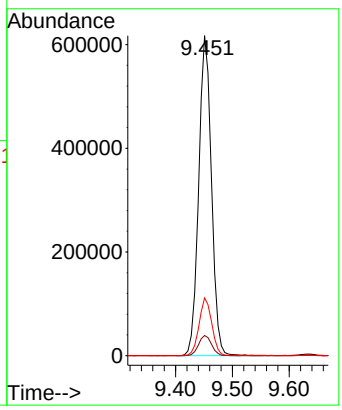




#25
Isophorone
Concen: 41.856 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 82 Resp: 96325

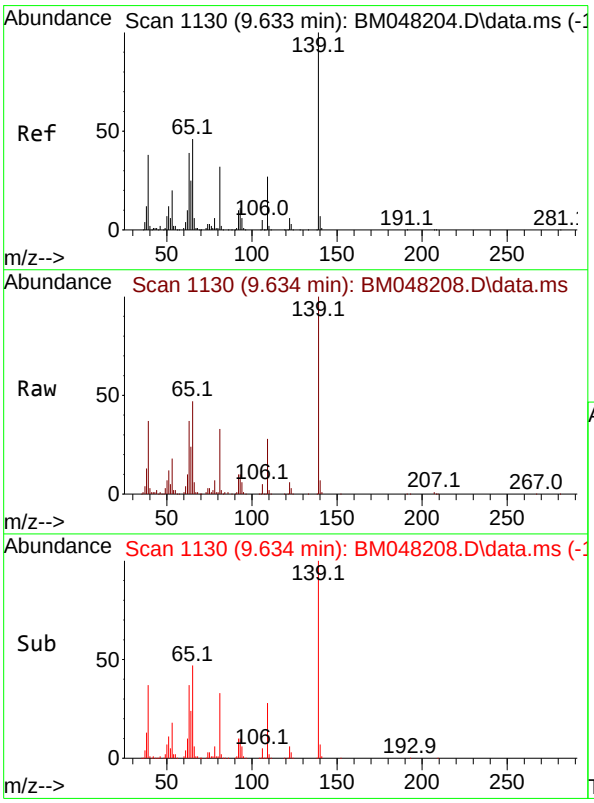
Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.3	7.9
138	18.0	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

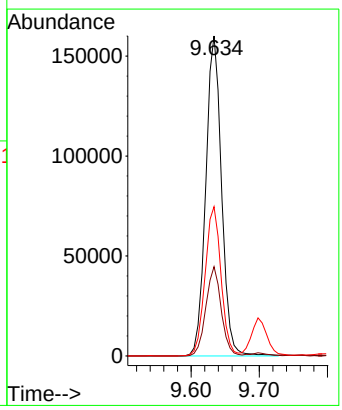
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

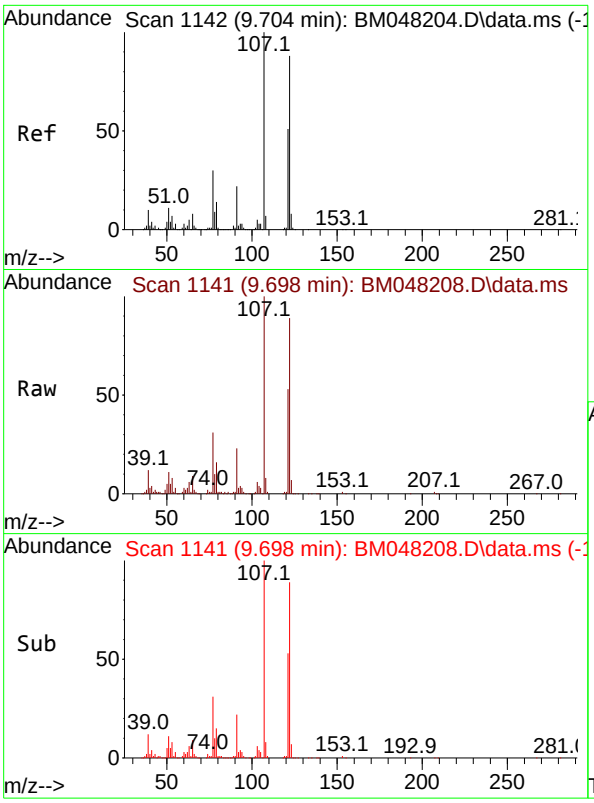


#26
2-Nitrophenol
Concen: 42.964 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:139 Resp: 258053

Ion	Ratio	Lower	Upper
139	100		
109	27.9	21.2	31.8
65	46.6	36.8	55.2

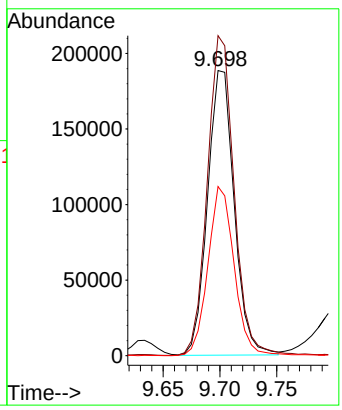




#27
2,4-Dimethylphenol
Concen: 42.323 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:122 Resp: 30841(

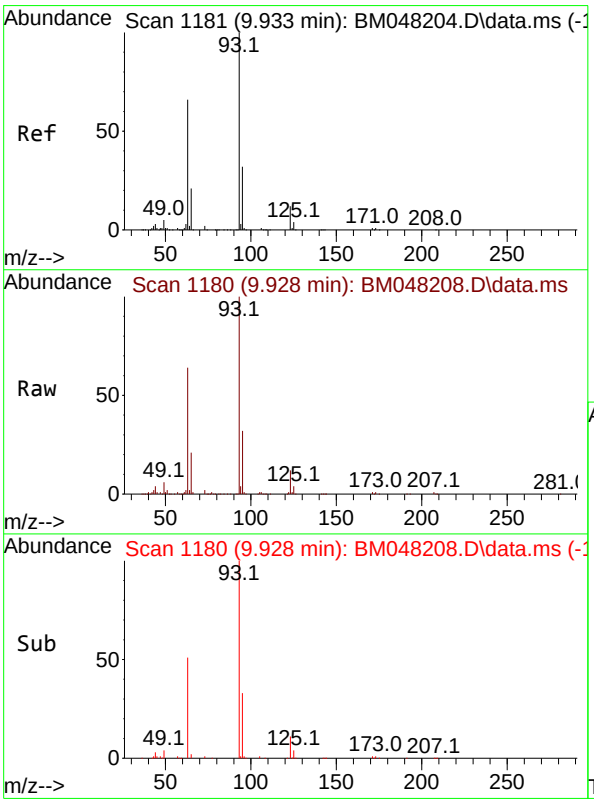
Ion	Ratio	Lower	Upper
122	100		
107	112.2	91.0	136.6
121	59.3	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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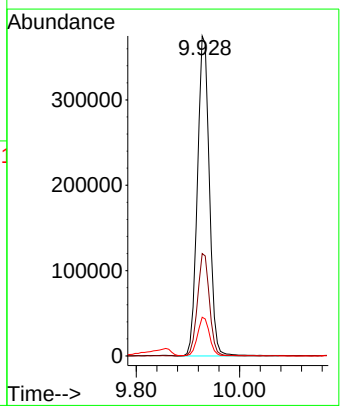
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

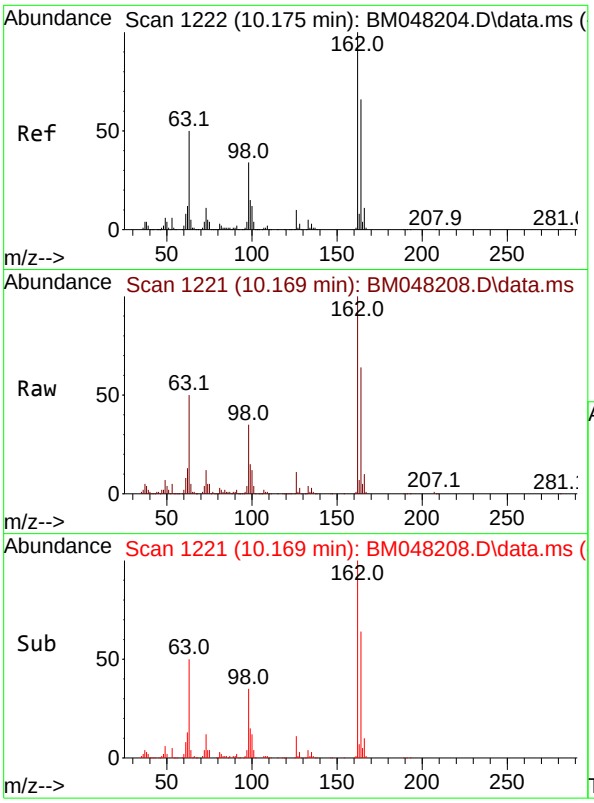


#28
bis(2-Chloroethoxy)methane
Concen: 41.401 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 93 Resp: 602909

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.3	37.9
123	12.1	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 42.403 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

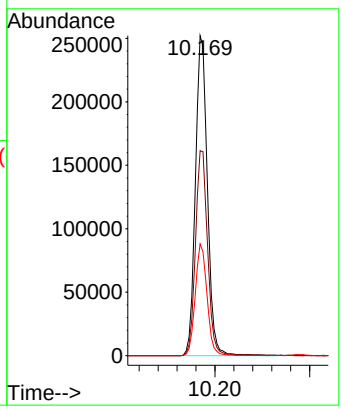
Tgt Ion:162 Resp: 44450

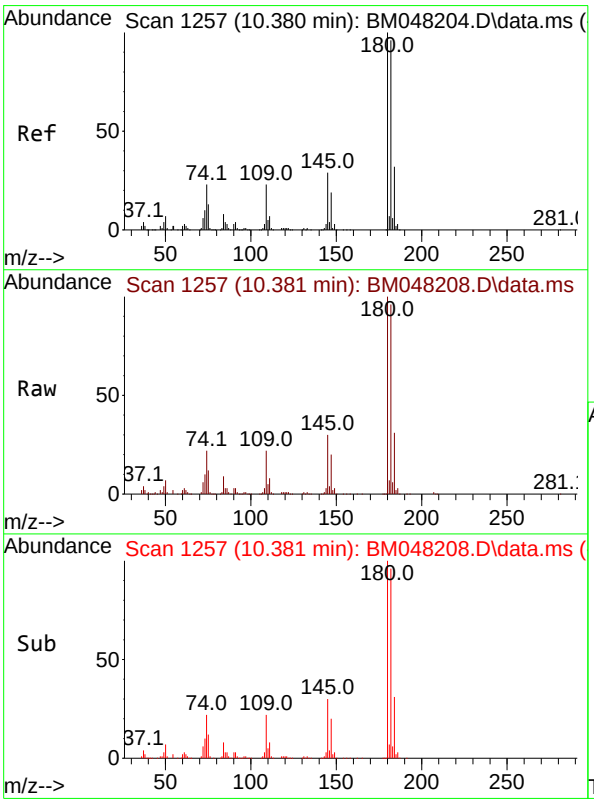
Ion	Ratio	Lower	Upper
162	100		
164	64.1	46.0	86.0
98	35.0	14.4	54.4

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

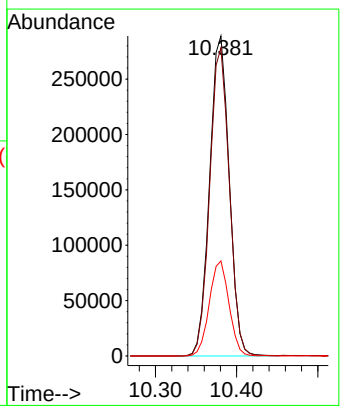


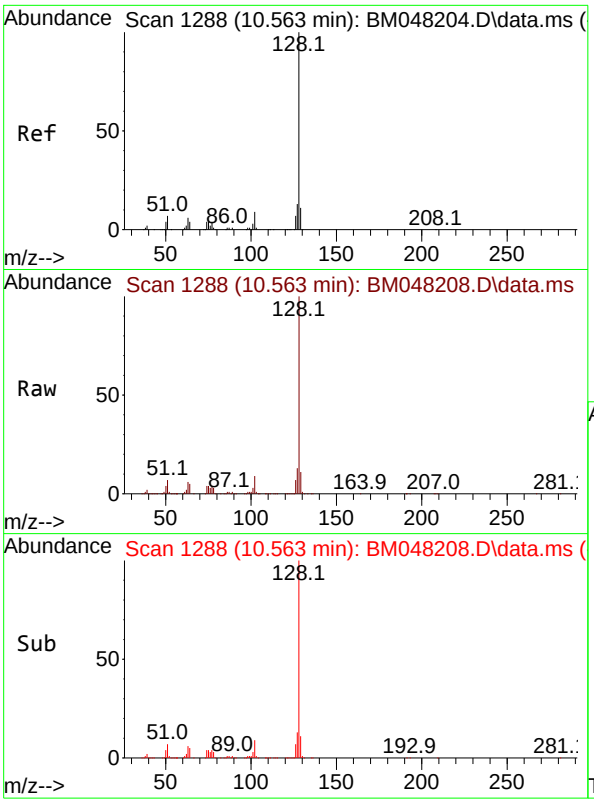


#30
1,2,4-Trichlorobenzene
Concen: 40.422 ng
RT: 10.381 min Scan# 1257
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:180 Resp: 485303

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	115.0
145	29.7	23.4	35.2

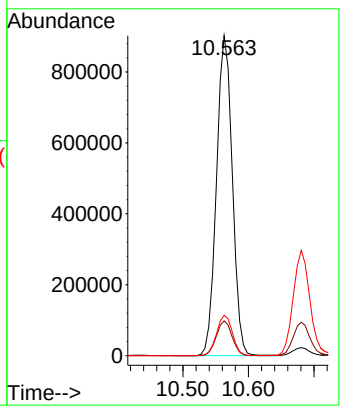




#31
Naphthalene
Concen: 40.790 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:128 Resp: 150813

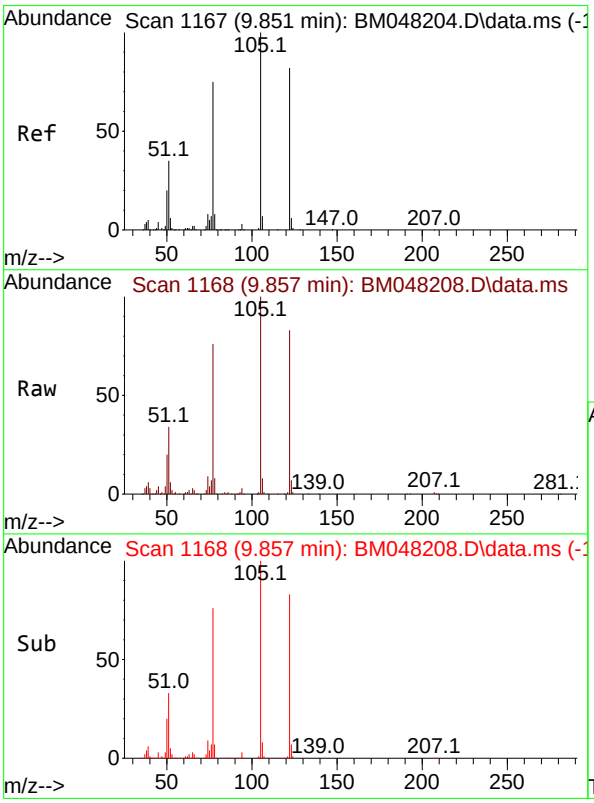
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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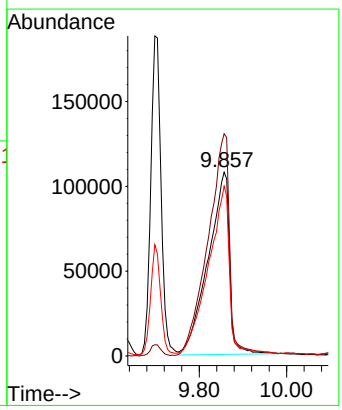
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

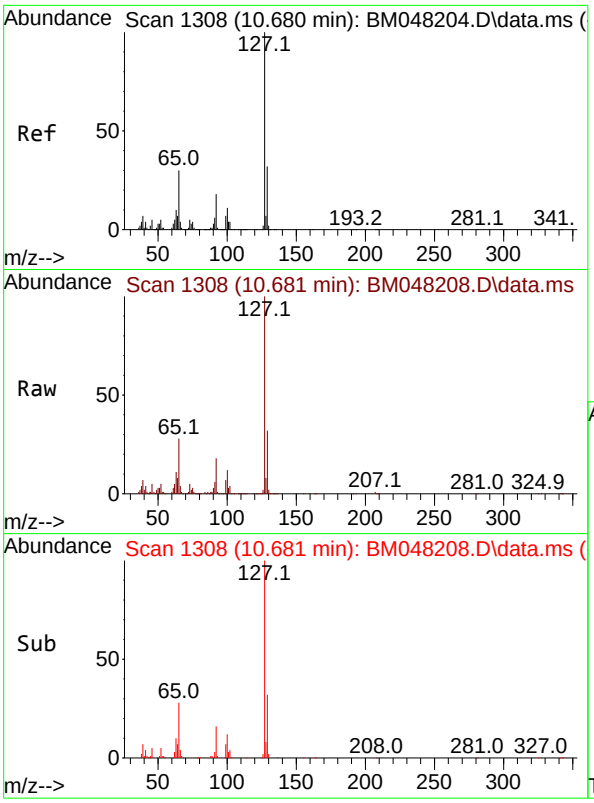


#32
Benzoic acid
Concen: 45.048 ng
RT: 9.857 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:122 Resp: 365395

Ion	Ratio	Lower	Upper
122	100		
105	121.1	99.3	139.3
77	92.5	70.4	110.4

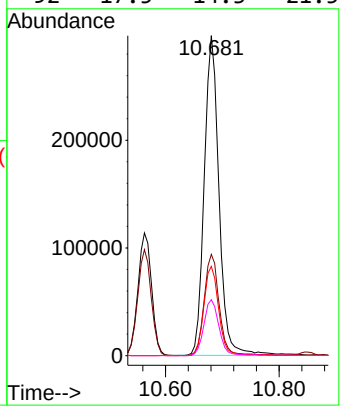




#33
4-Chloroaniline
Concen: 44.536 ng
RT: 10.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:127 Resp: 53404

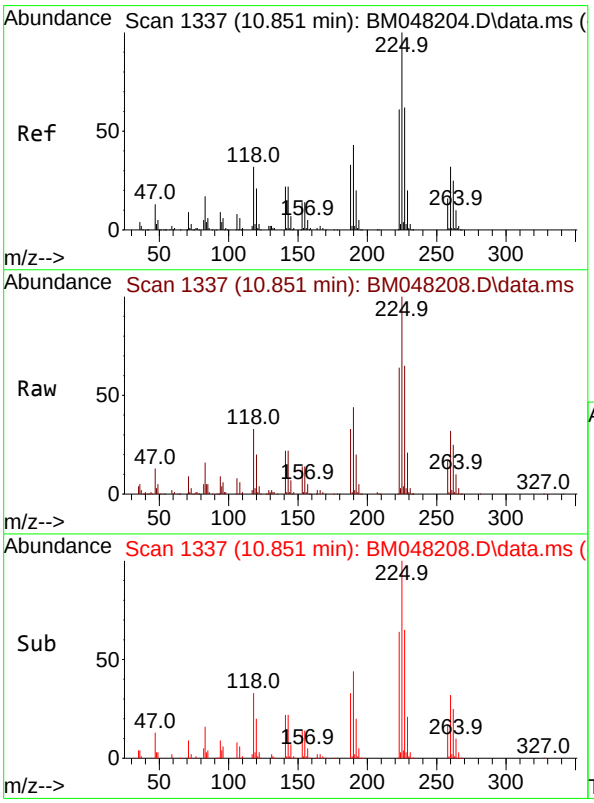
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.6
65	27.9	23.7	35.5
92	17.5	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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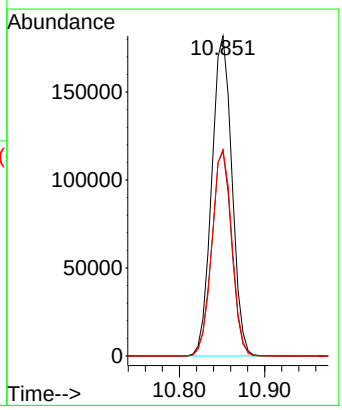
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

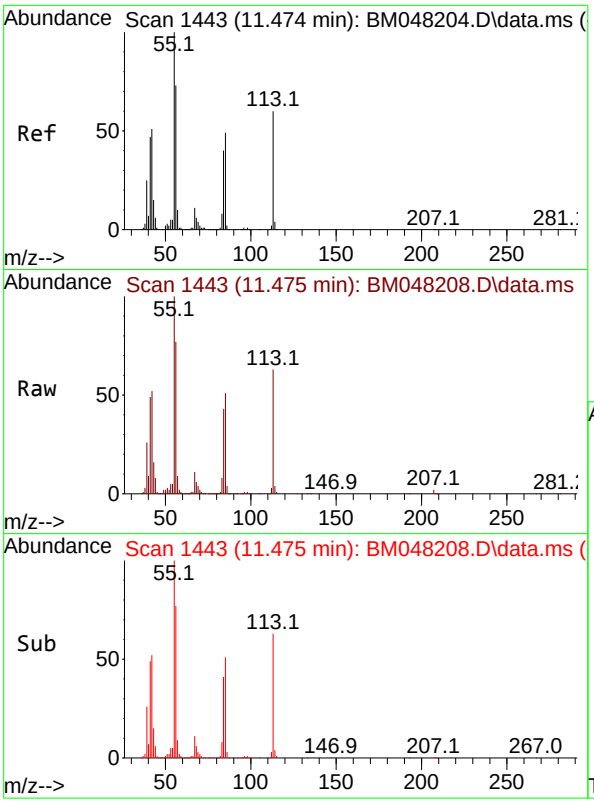


#34
Hexachlorobutadiene
Concen: 40.200 ng
RT: 10.851 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:225 Resp: 299128

Ion	Ratio	Lower	Upper
225	100		
223	64.0	48.6	73.0
227	64.6	49.6	74.4

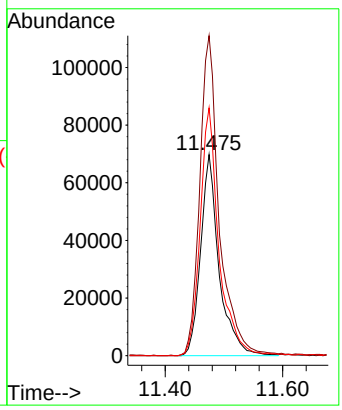




#35
Caprolactam
Concen: 44.661 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:113 Resp: 15207

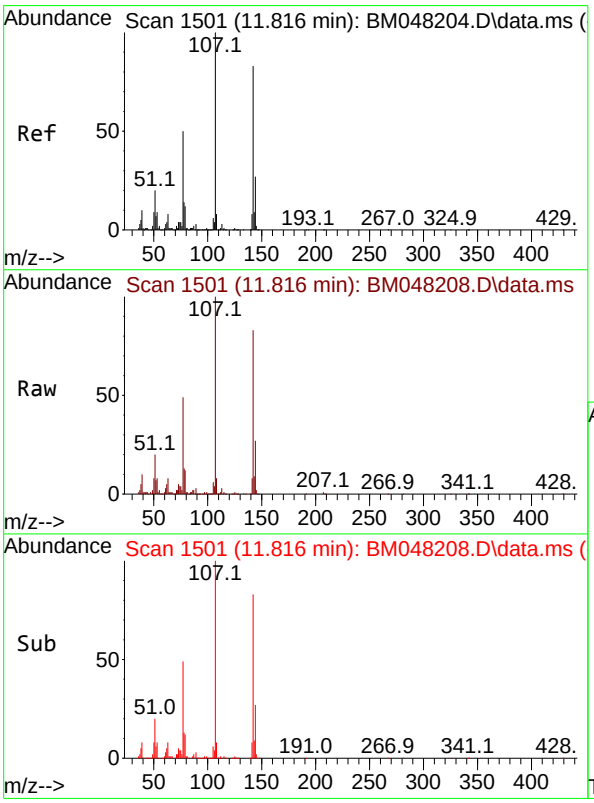
Ion	Ratio	Lower	Upper
113	100		
55	159.0	146.1	186.1
56	123.2	101.9	141.9



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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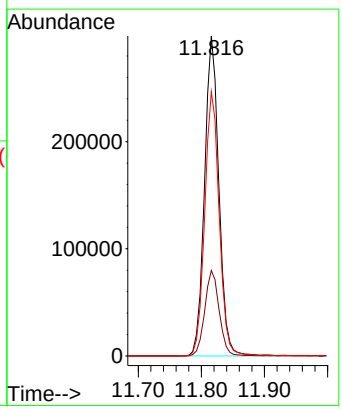
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

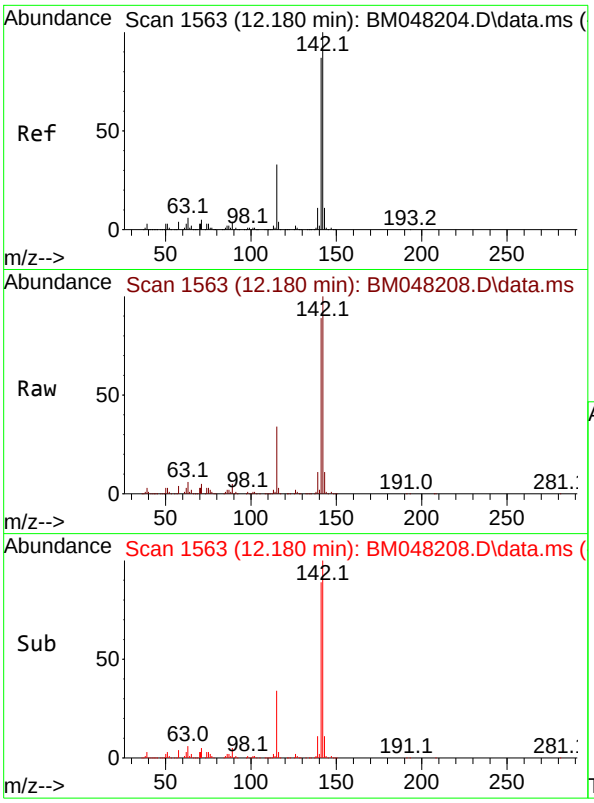


#36
4-Chloro-3-methylphenol
Concen: 42.954 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:107 Resp: 470052

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.5	32.3
142	82.6	66.8	100.2

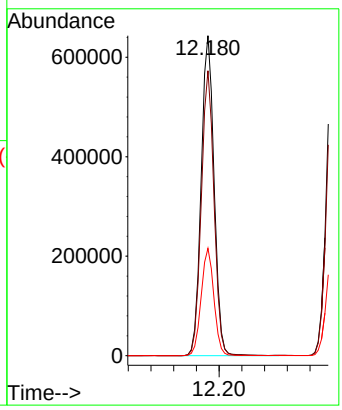




#37
2-Methylnaphthalene
Concen: 40.999 ng
RT: 12.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:142 Resp: 101279

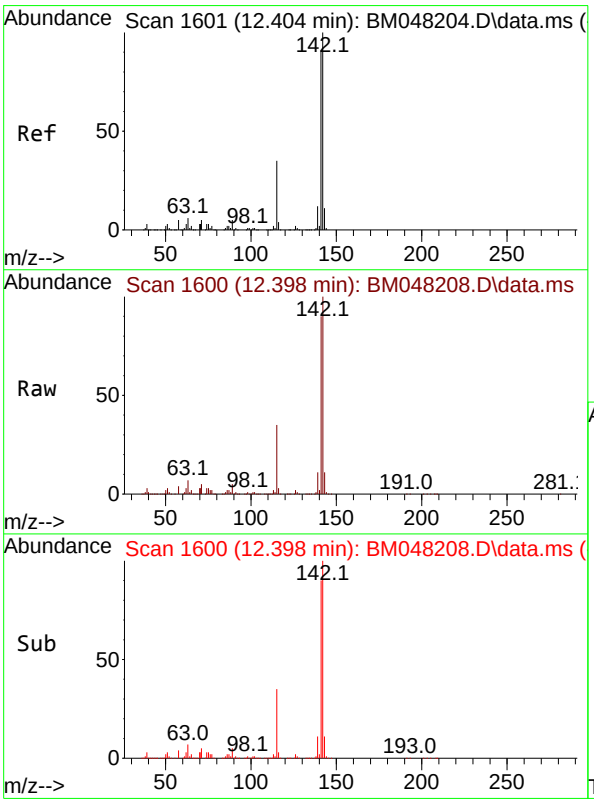
Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.8	104.6
115	33.6	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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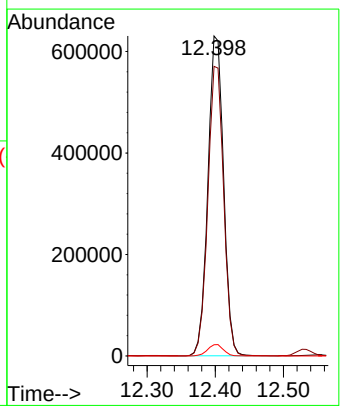
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

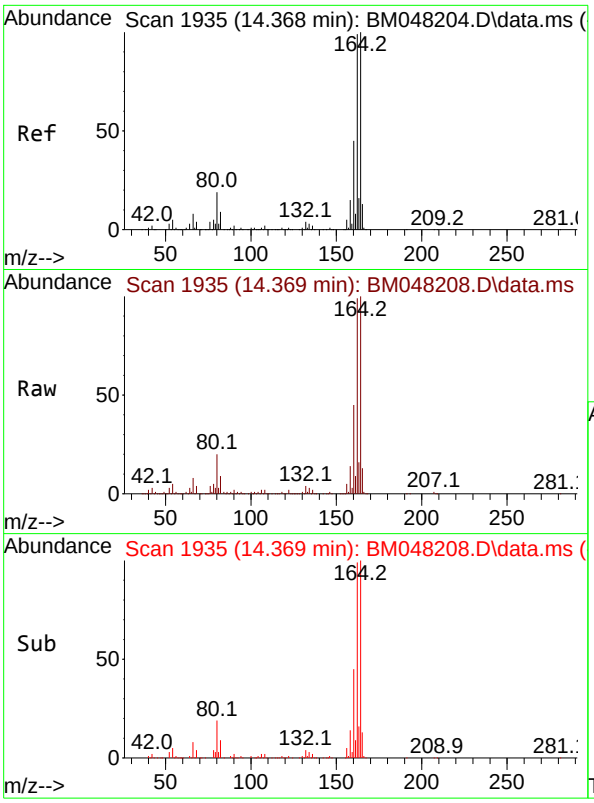


#38
1-Methylnaphthalene
Concen: 41.192 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:142 Resp: 1009031

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.7	109.1
116	3.5	2.9	4.3

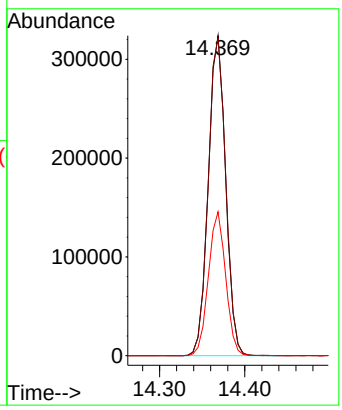




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:164 Resp: 45879

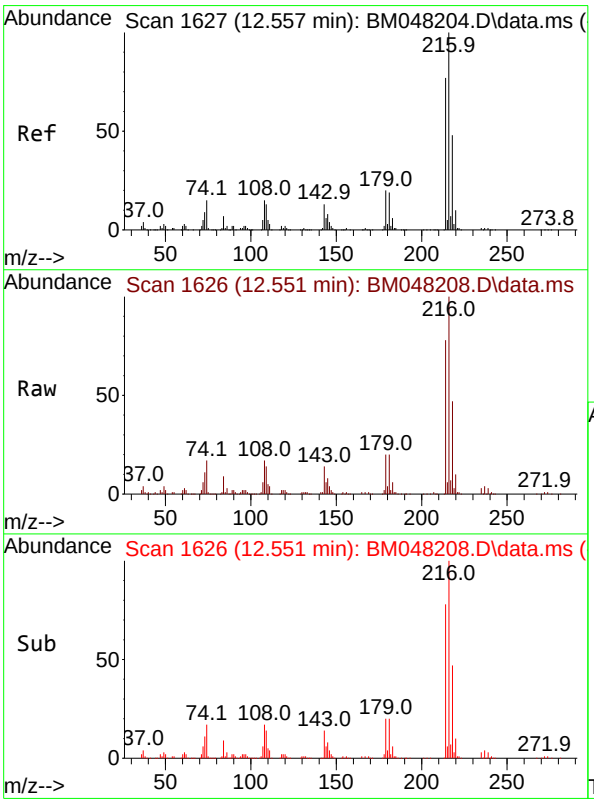
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.1	118.7
160	44.9	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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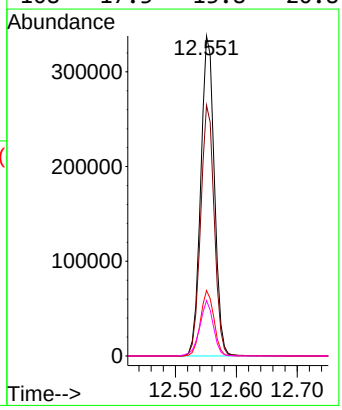
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

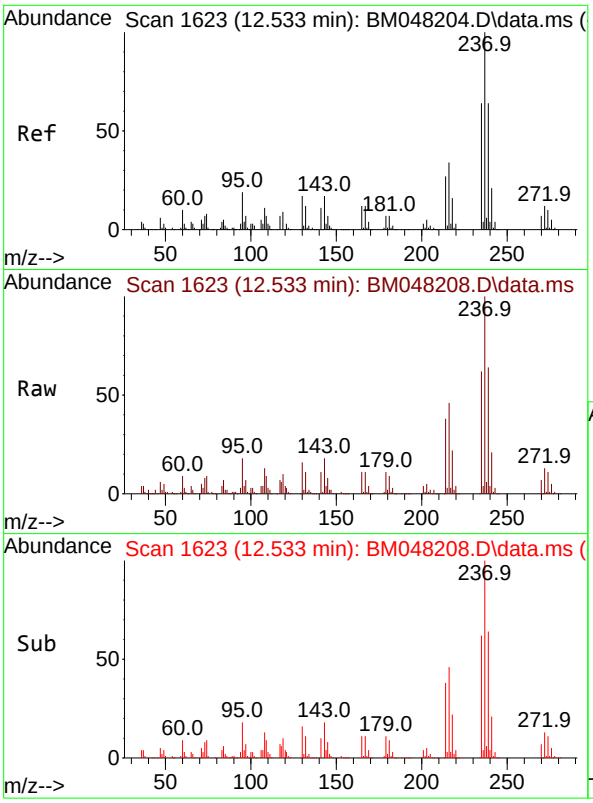


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.942 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:216 Resp: 523772

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.2	93.2
179	20.2	16.0	24.0
108	17.3	13.8	20.8

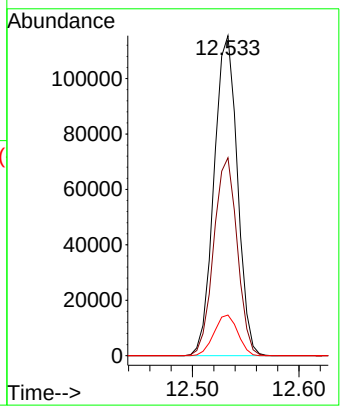




#41
Hexachlorocyclopentadiene
Concen: 39.553 ng
RT: 12.533 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:237 Resp: 17551(

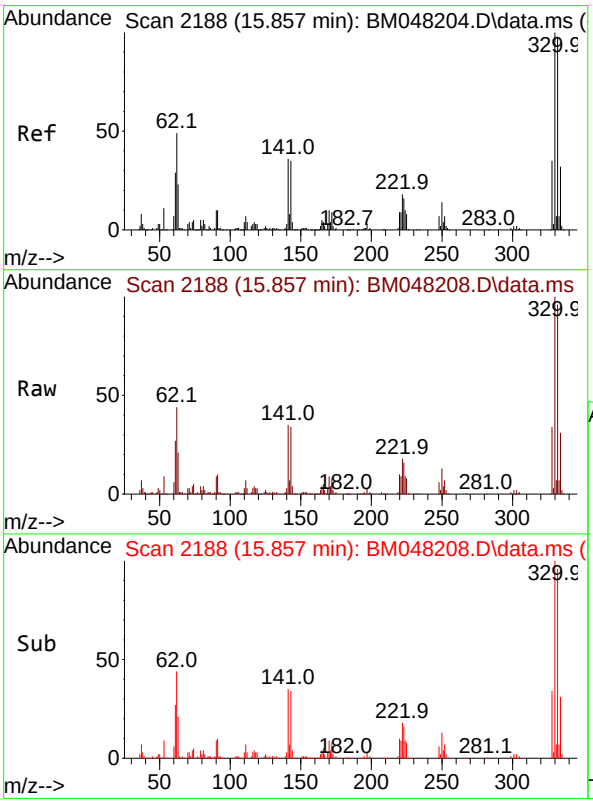
Ion	Ratio	Lower	Upper
237	100		
235	61.8	44.2	84.2
272	12.7	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

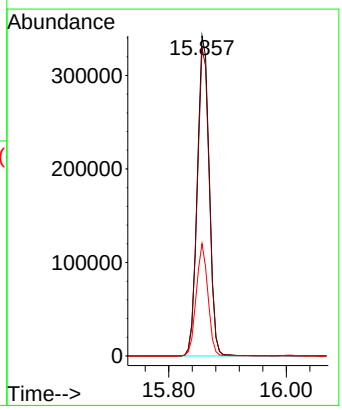
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

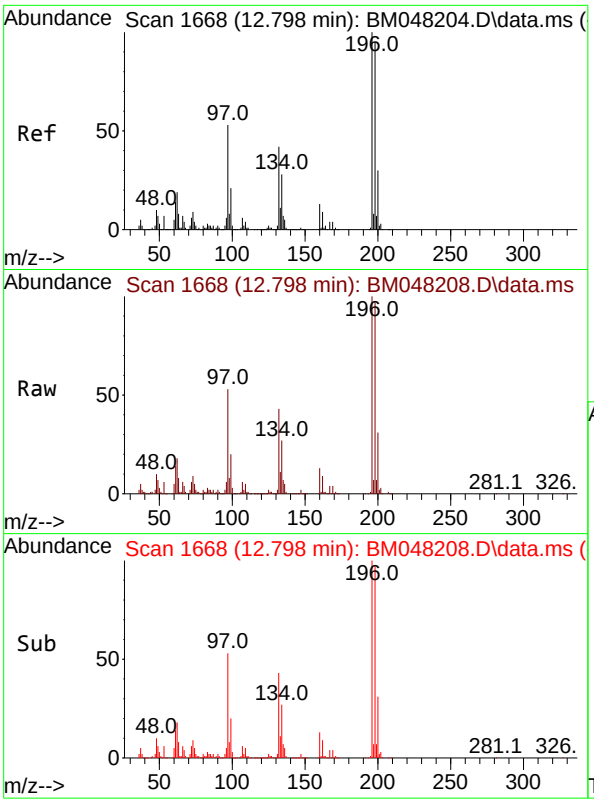


#42
2,4,6-Tribromophenol
Concen: 86.036 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:330 Resp: 483153

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	34.1	27.5	41.3

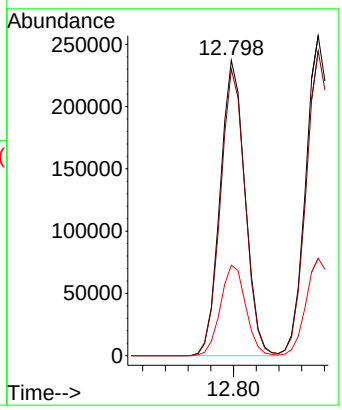




#43
2,4,6-Trichlorophenol
Concen: 41.519 ng
RT: 12.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:196 Resp: 36131

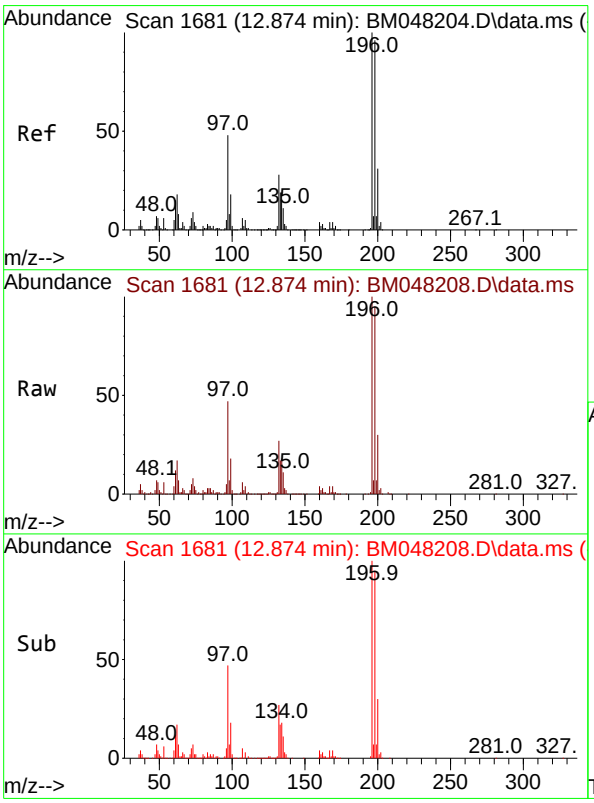
Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.2	114.2
200	30.6	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

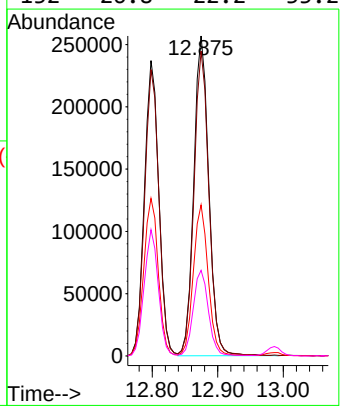
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

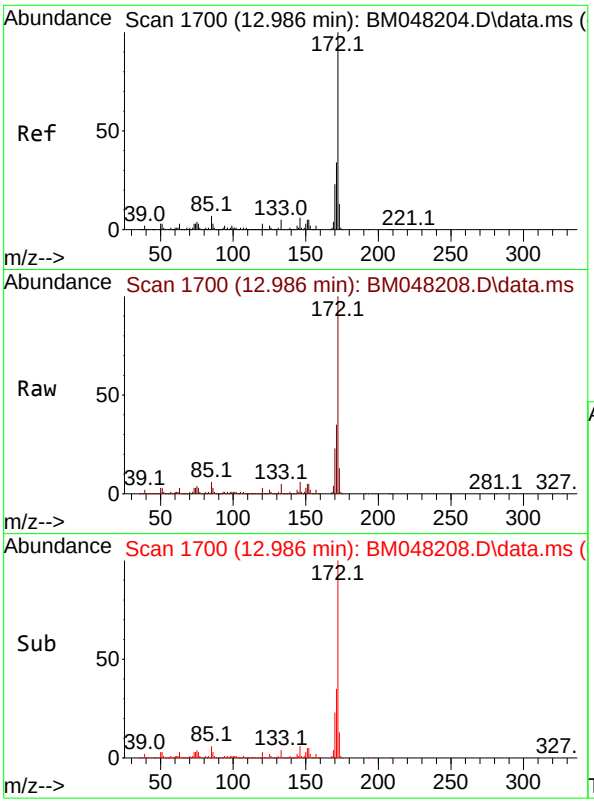


#44
2,4,5-Trichlorophenol
Concen: 42.345 ng
RT: 12.874 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:196 Resp: 410941

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.7	115.1
97	47.2	38.5	57.7
132	26.8	22.2	33.2

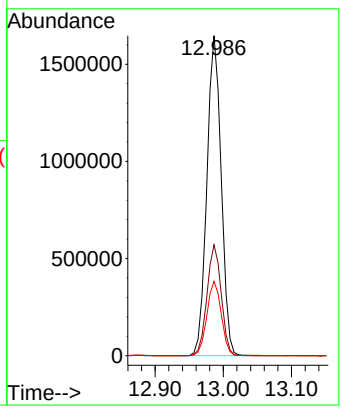




#45
2-Fluorobiphenyl
Concen: 80.513 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:172 Resp: 240724

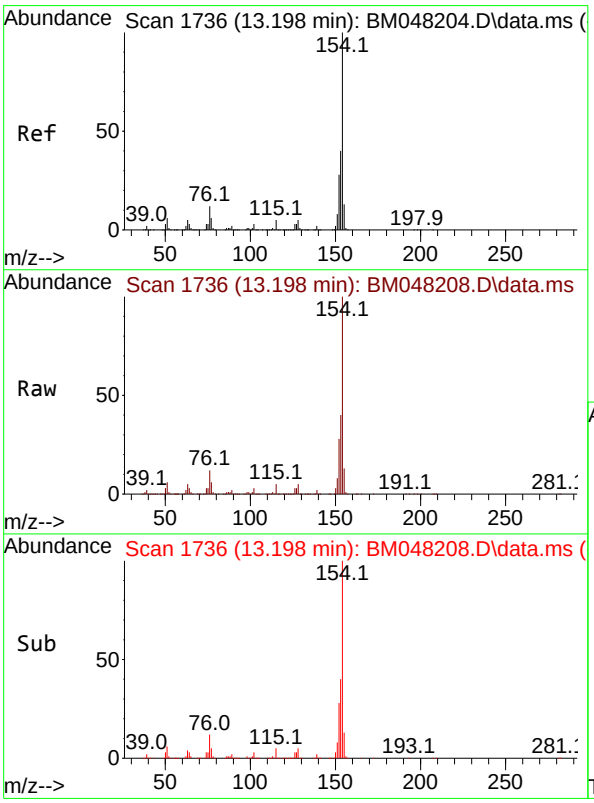
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	23.2	18.5	27.7



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

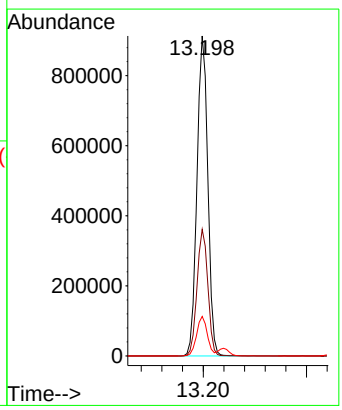
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

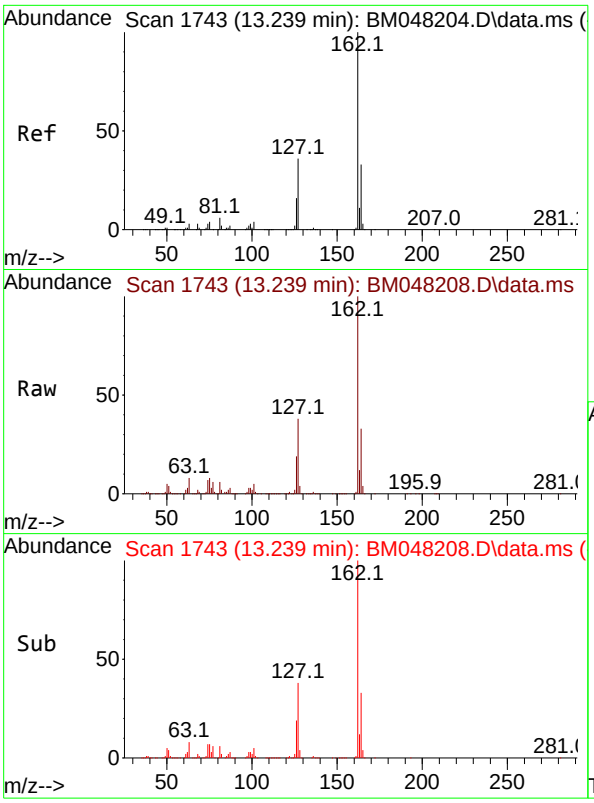


#46
1,1'-Biphenyl
Concen: 40.549 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:154 Resp: 1328255

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.9	59.9
76	12.4	0.0	32.4

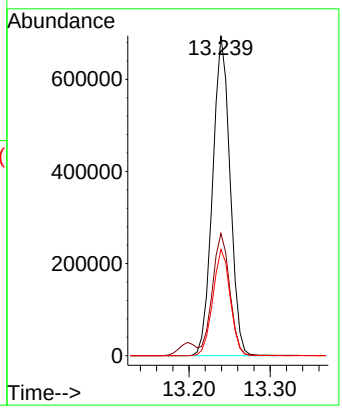




#47
2-Chloronaphthalene
Concen: 40.220 ng
RT: 13.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:162 Resp: 103879

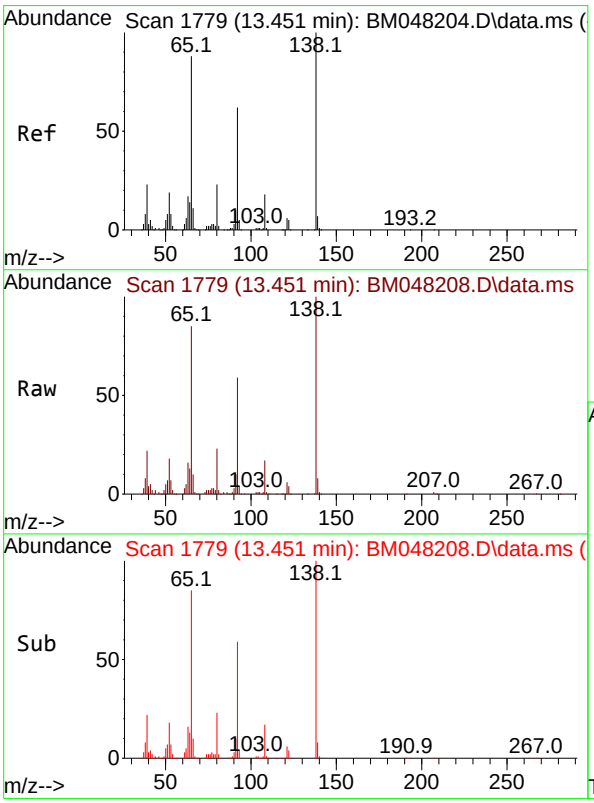
Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.0	46.6
164	33.2	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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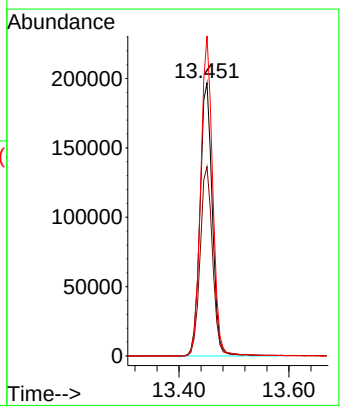
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

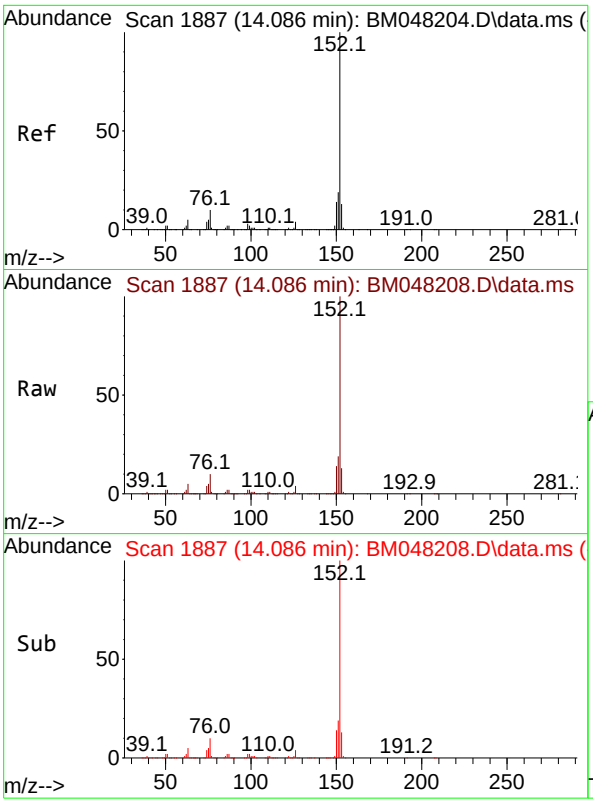


#48
2-Nitroaniline
Concen: 43.851 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 65 Resp: 307178

Ion	Ratio	Lower	Upper
65	100		
92	69.3	56.0	84.0
138	117.2	90.8	136.2

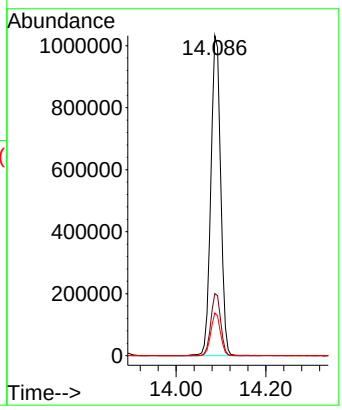




#49
Acenaphthylene
Concen: 41.532 ng
RT: 14.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:152 Resp: 156497

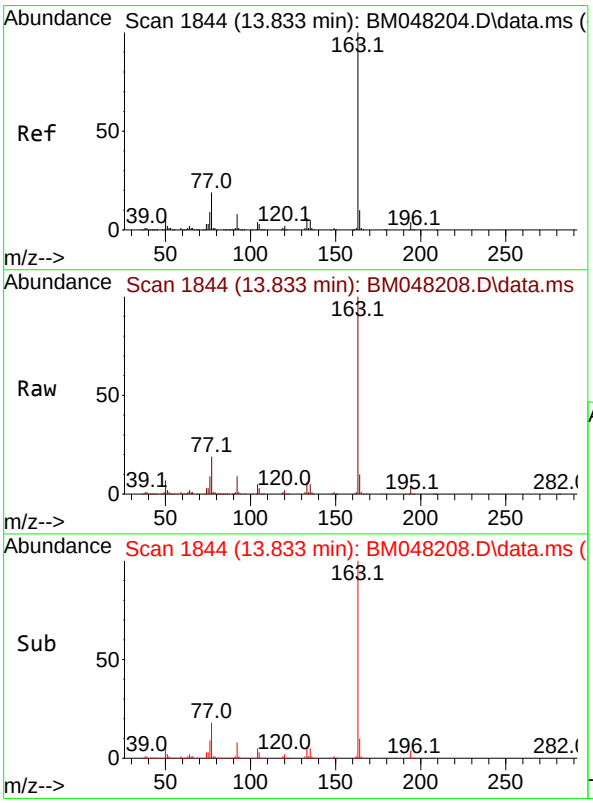
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.3	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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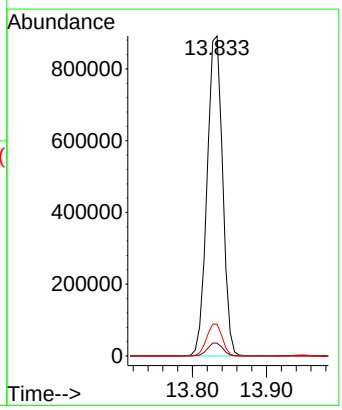
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

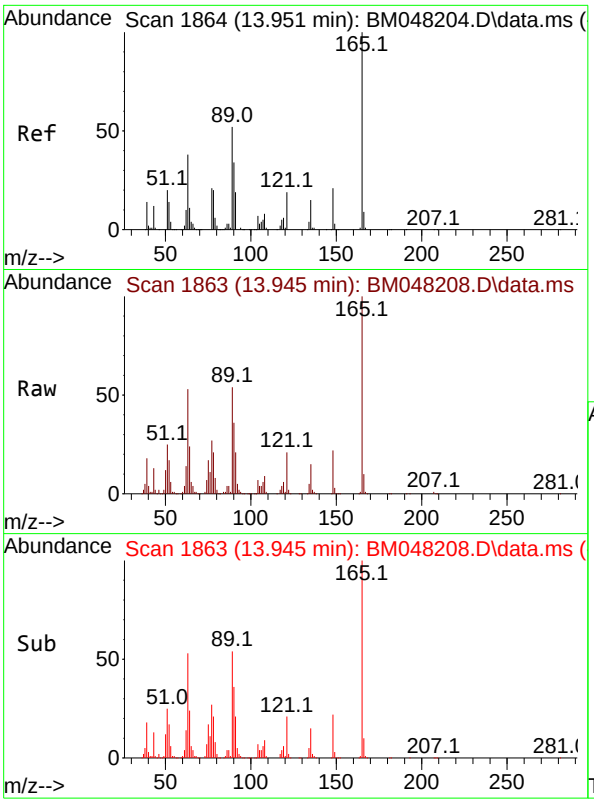


#50
Dimethylphthalate
Concen: 41.360 ng
RT: 13.833 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:163 Resp: 1295422

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.0	7.8	11.6

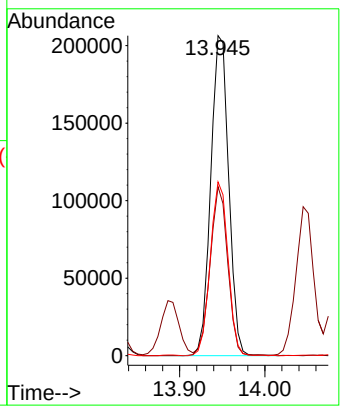




#51
2,6-Dinitrotoluene
Concen: 43.266 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:165 Resp: 30236

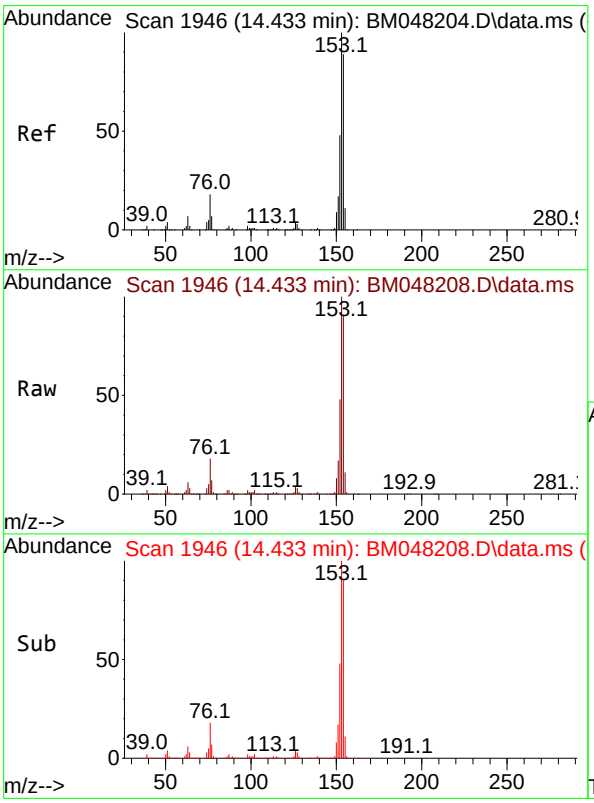
Ion	Ratio	Lower	Upper
165	100		
63	52.8	39.5	59.3
89	54.3	41.8	62.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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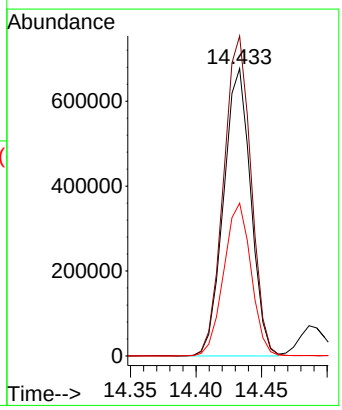
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

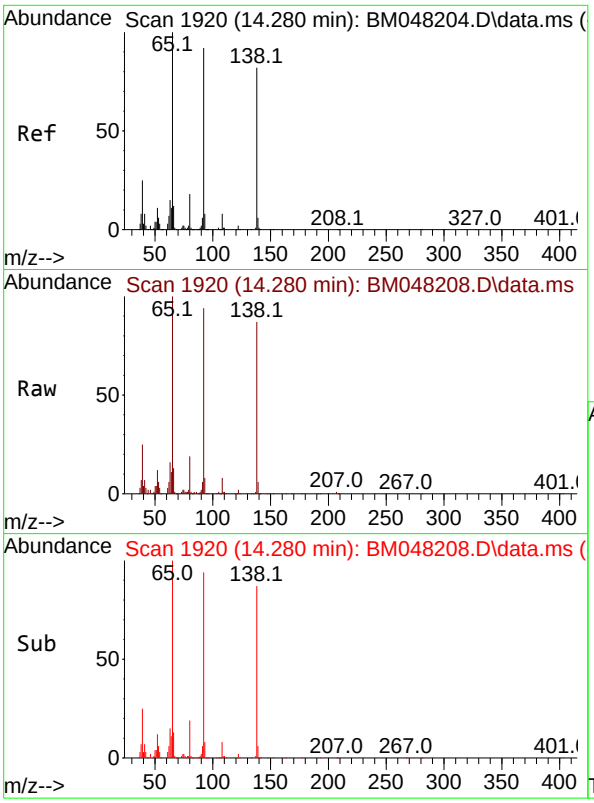


#52
Acenaphthene
Concen: 40.748 ng
RT: 14.433 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:154 Resp: 975614

Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.4	135.6
152	53.2	43.6	65.4





#53
3-Nitroaniline
Concen: 46.854 ng
RT: 14.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

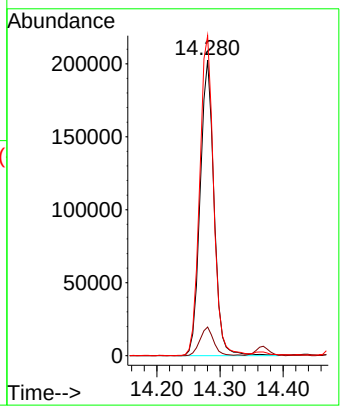
Tgt Ion:138 Resp: 30879

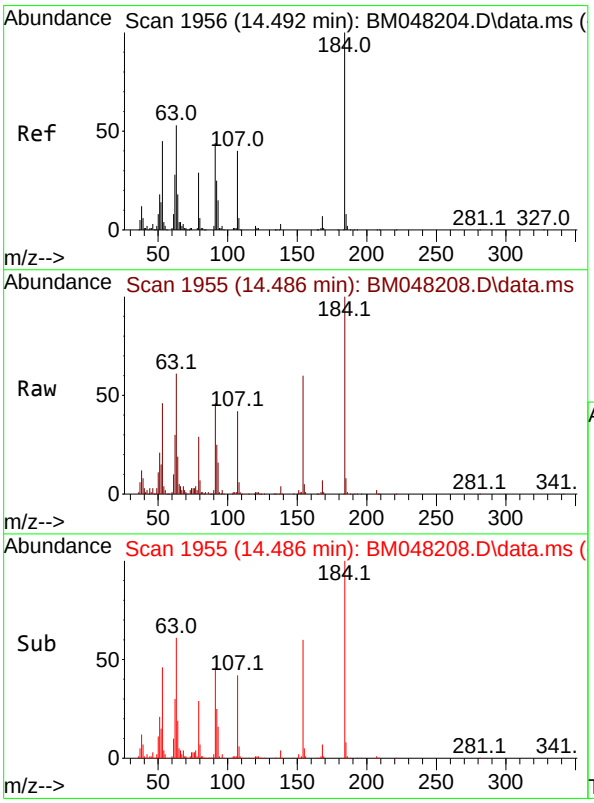
Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.5	11.3
92	108.3	89.7	134.5

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

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Supervised By :mohammad ahmed 10/24/2024

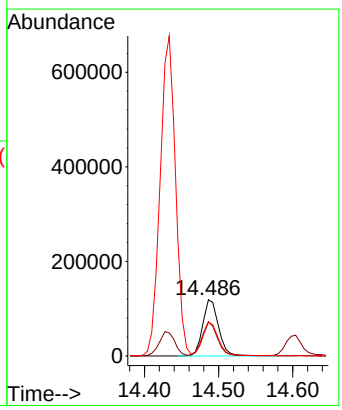


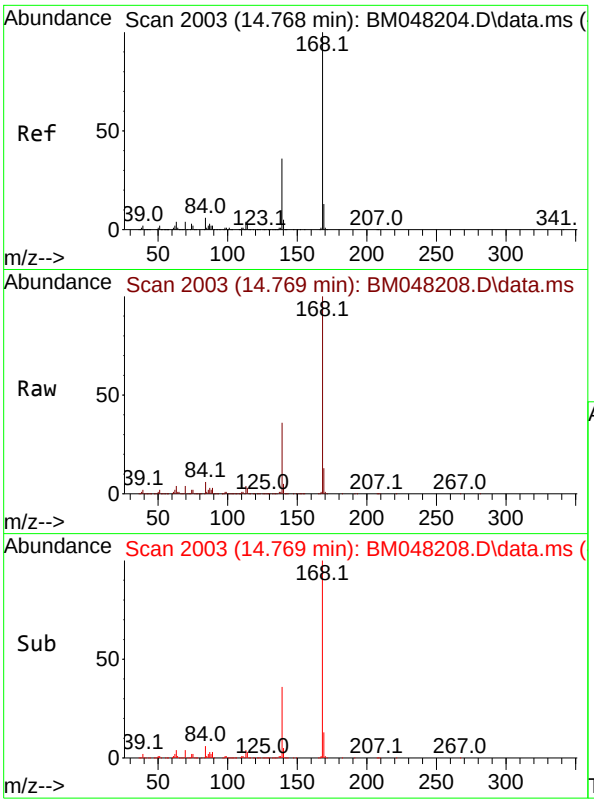


#54
2,4-Dinitrophenol
Concen: 43.448 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:184 Resp: 177434

Ion	Ratio	Lower	Upper
184	100		
63	61.0	47.2	70.8
154	60.0	46.0	69.0





#55
Dibenzofuran
Concen: 40.907 ng
RT: 14.769 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

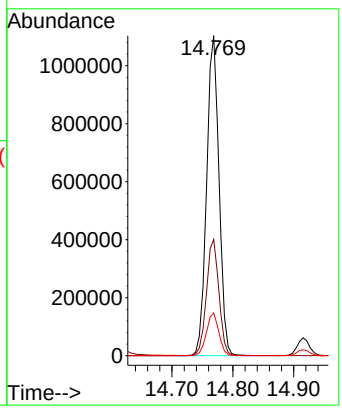
Tgt Ion:168 Resp: 155606

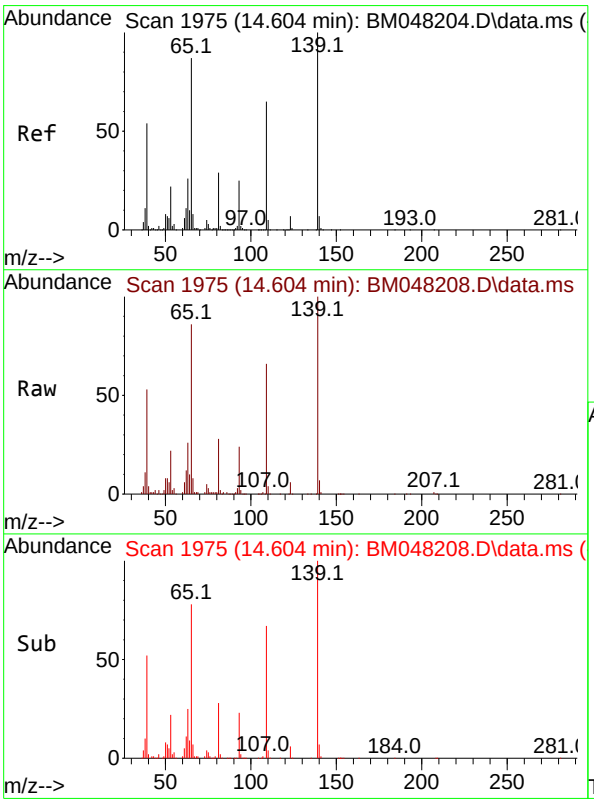
Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.0	43.6
169	13.4	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

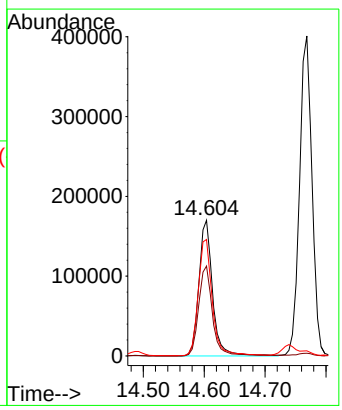


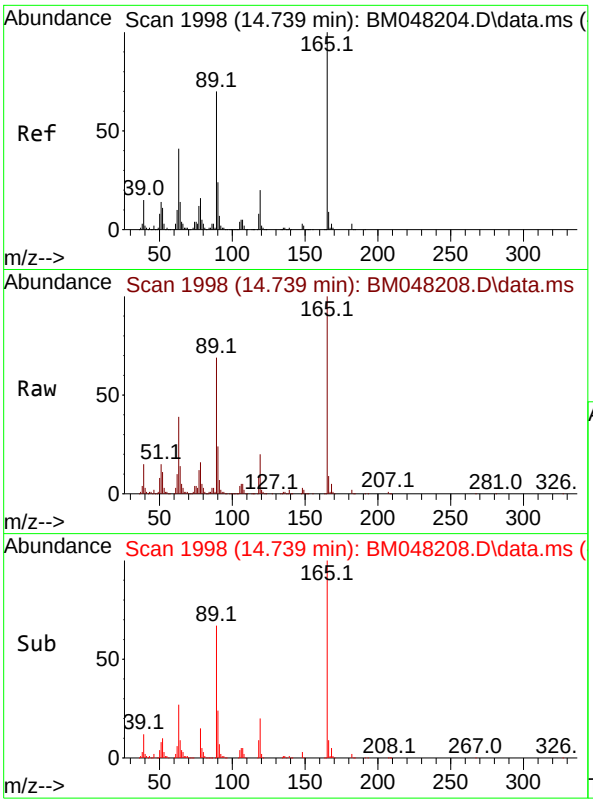


#56
4-Nitrophenol
Concen: 45.193 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:139 Resp: 265825

Ion	Ratio	Lower	Upper
139	100		
109	66.3	45.4	85.4
65	85.9	67.3	107.3

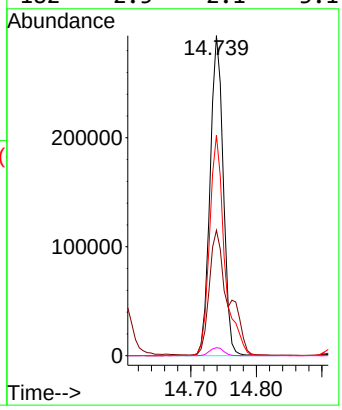




#57
2,4-Dinitrotoluene
Concen: 44.531 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:165 Resp: 41096

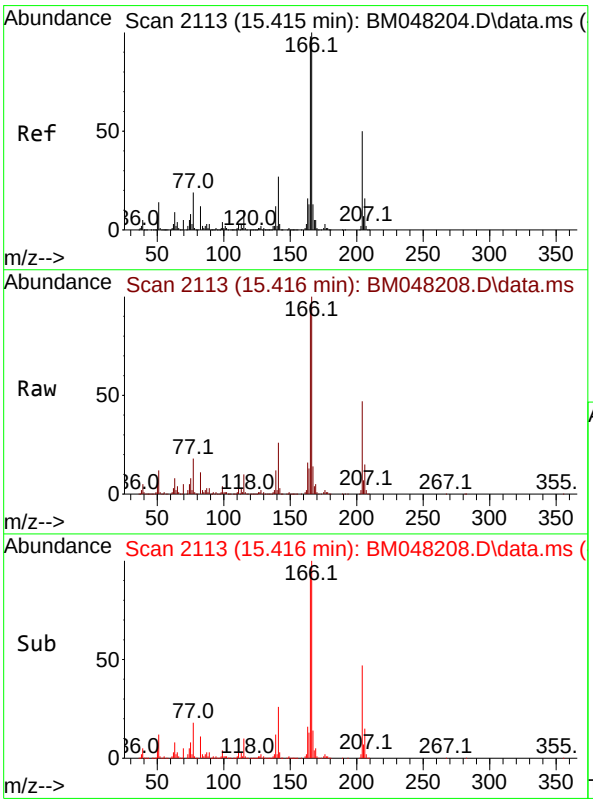
Ion	Ratio	Lower	Upper
165	100		
63	39.2	33.0	49.4
89	68.9	55.8	83.6
182	2.5	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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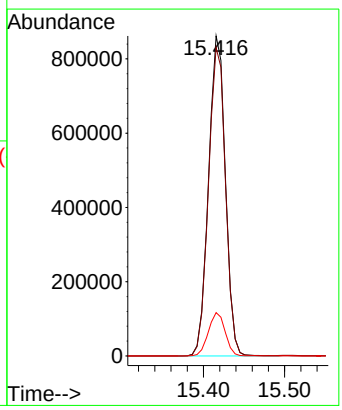
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

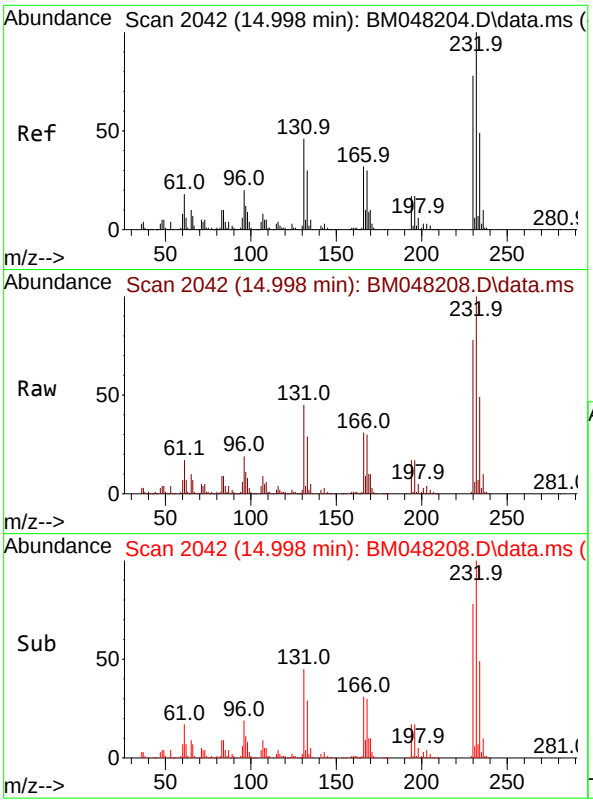


#58
Fluorene
Concen: 41.239 ng
RT: 15.416 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:166 Resp: 1240427

Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.4	117.6
167	13.6	10.8	16.2

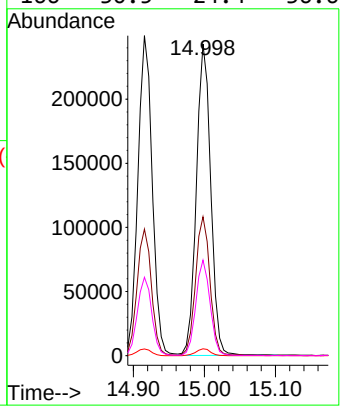




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.671 ng
RT: 14.998 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:232 Resp: 34323

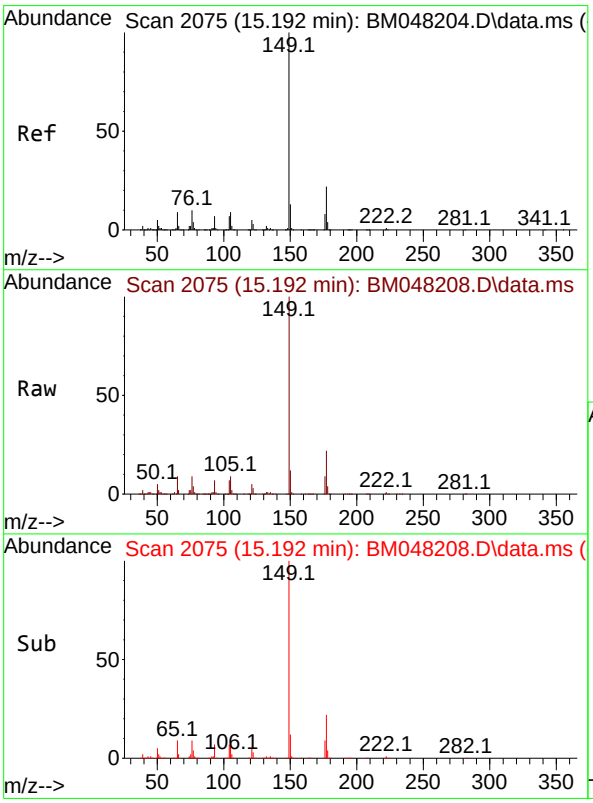
Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.5	53.3
130	2.2	1.8	2.6
166	30.5	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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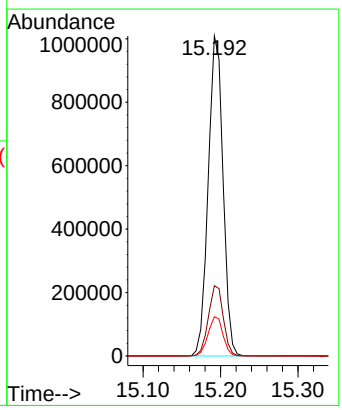
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

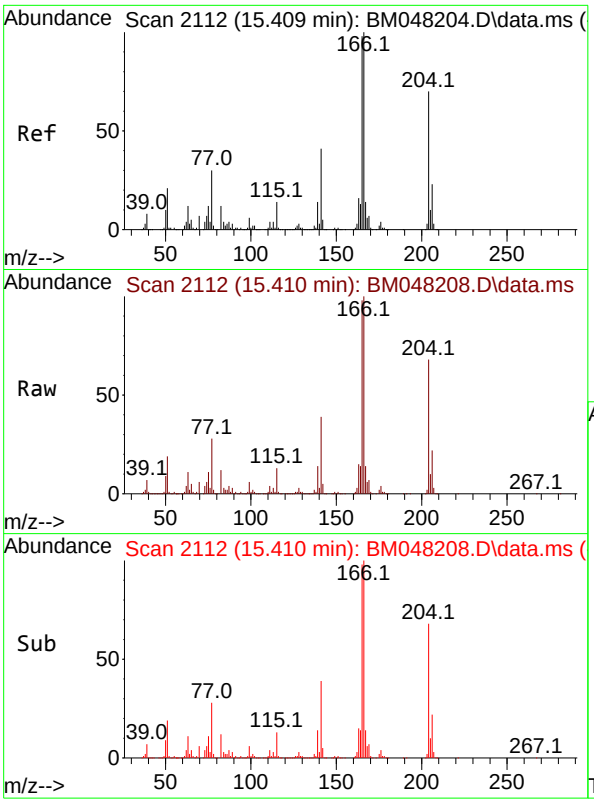


#60
Diethylphthalate
Concen: 42.183 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 1337705

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.5	26.3
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.120 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

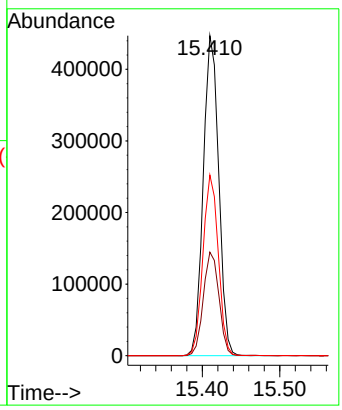
Tgt Ion:204 Resp: 61843

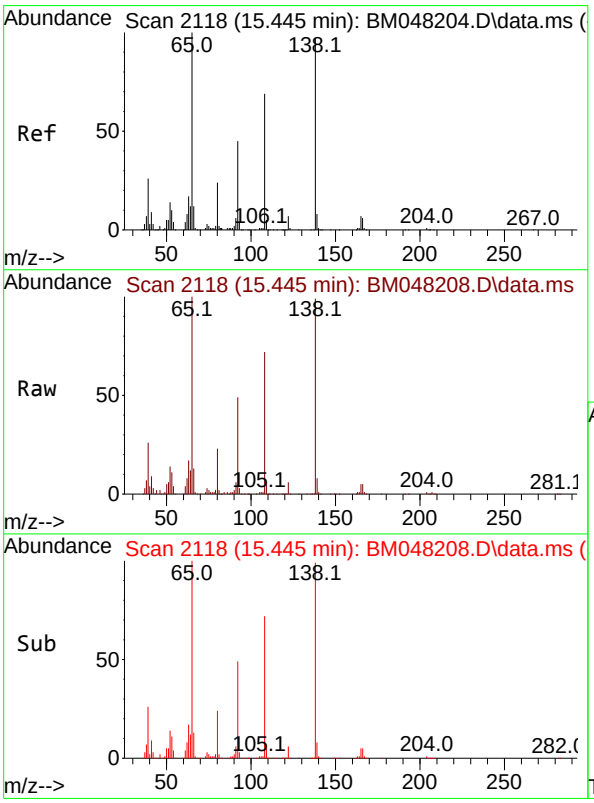
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.4
141	56.4	47.0	70.6

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

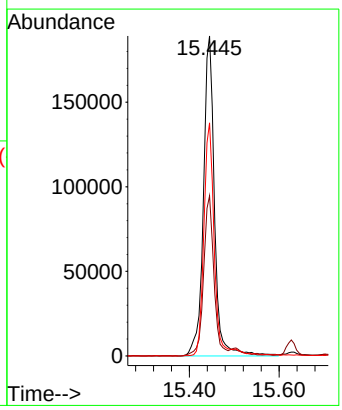


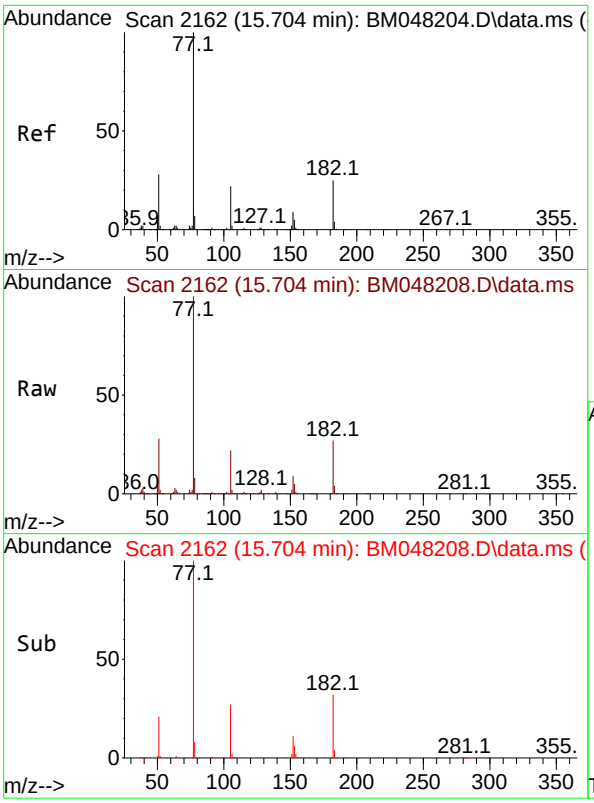


#62
4-Nitroaniline
Concen: 47.619 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:138 Resp: 324799

Ion	Ratio	Lower	Upper
138	100		
92	50.1	26.9	66.9
108	72.8	51.3	91.3

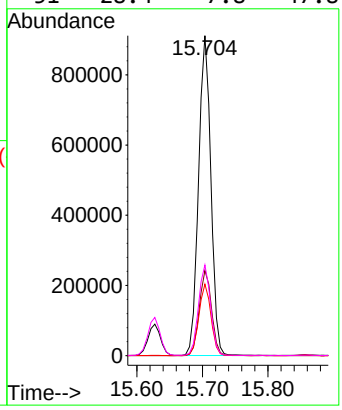




#63
Azobenzene
Concen: 42.033 ng
RT: 15.704 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion: 77 Resp: 119467

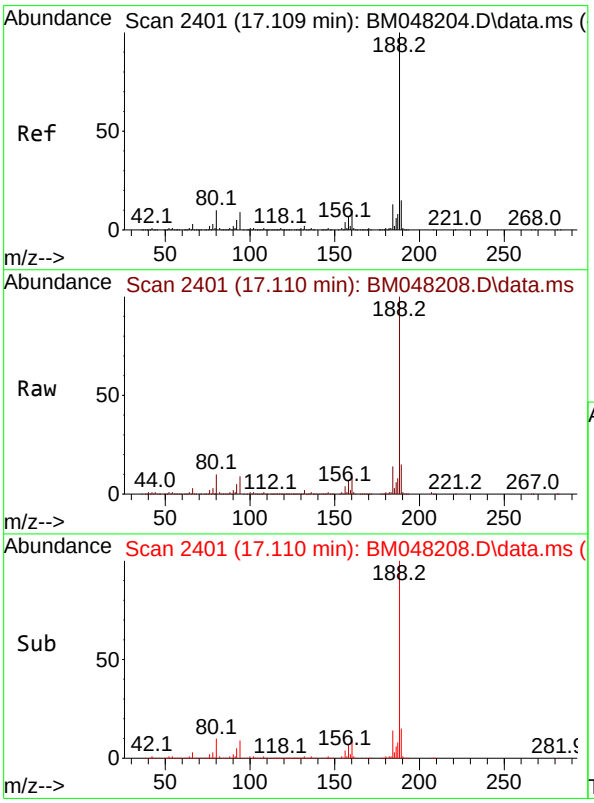
Ion	Ratio	Lower	Upper
77	100		
182	26.6	5.3	45.3
105	22.4	1.6	41.6
51	28.4	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

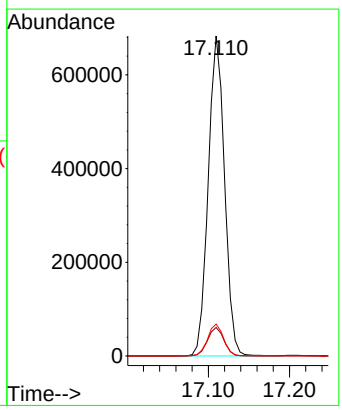
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

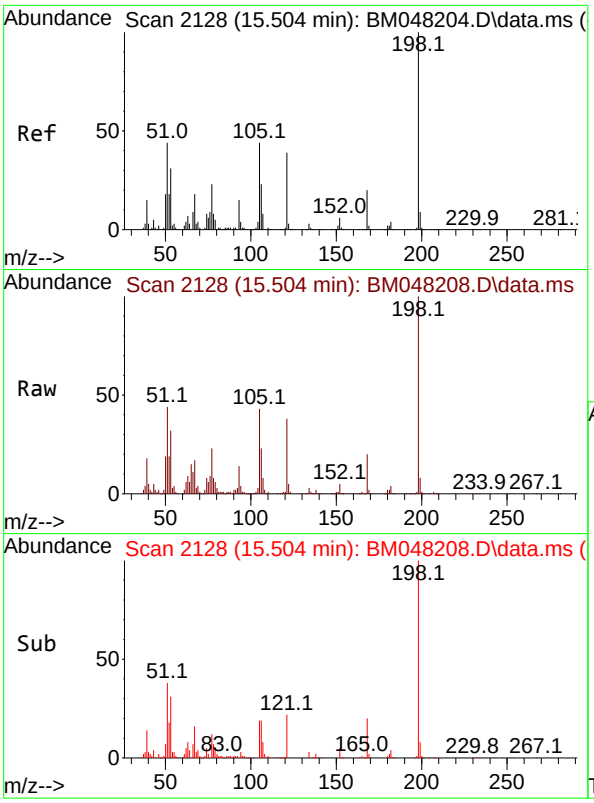


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.110 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:188 Resp: 952437

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.3	10.9
80	9.9	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 43.670 ng
RT: 15.504 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

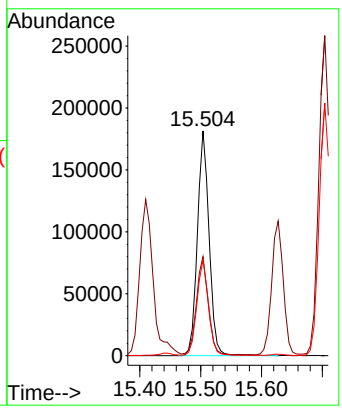
Tgt Ion:198 Resp: 24132

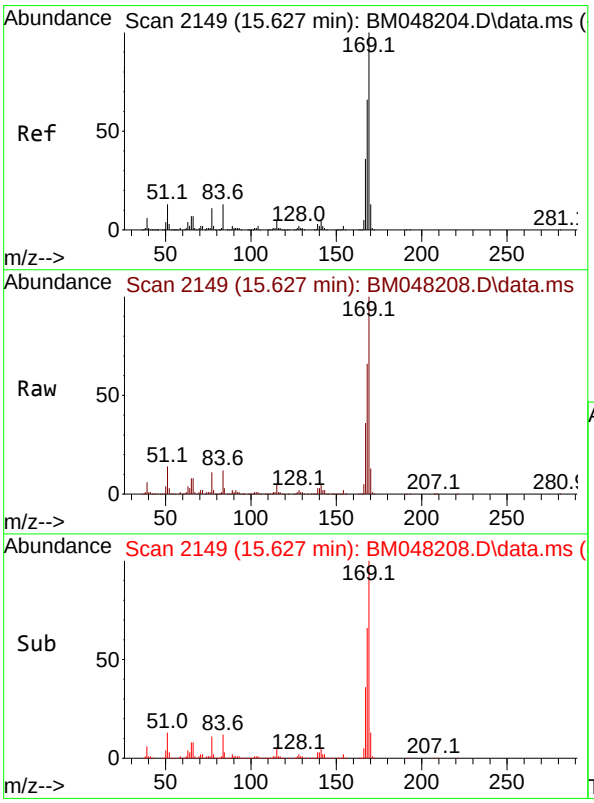
Ion	Ratio	Lower	Upper
198	100		
51	44.1	25.4	65.4
105	42.6	23.9	63.9

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

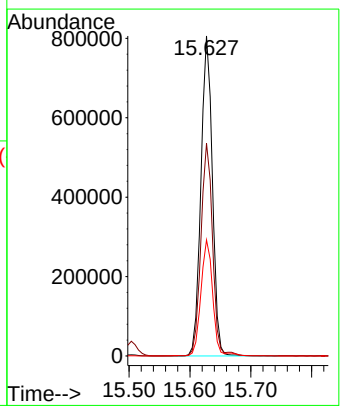


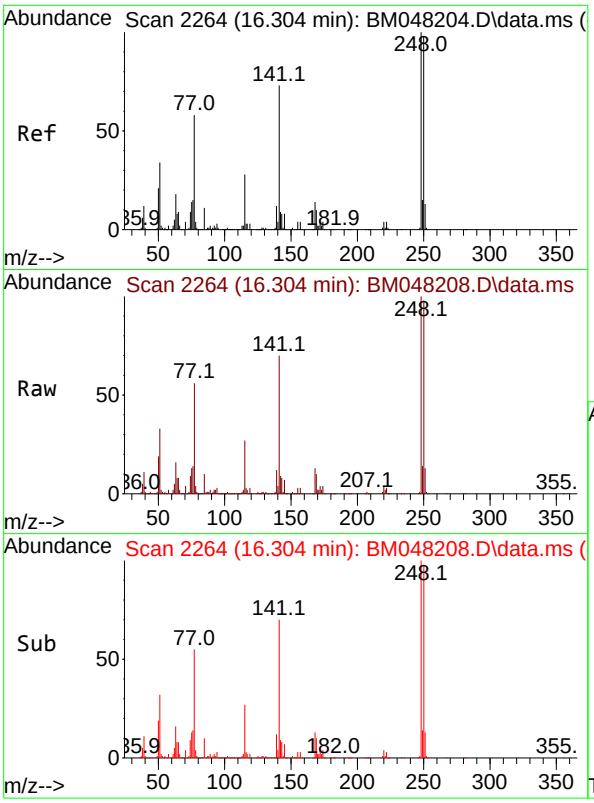


#66
n-Nitrosodiphenylamine
Concen: 40.148 ng
RT: 15.627 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:169 Resp: 1049716

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.9	79.3
167	36.2	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 40.179 ng
RT: 16.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

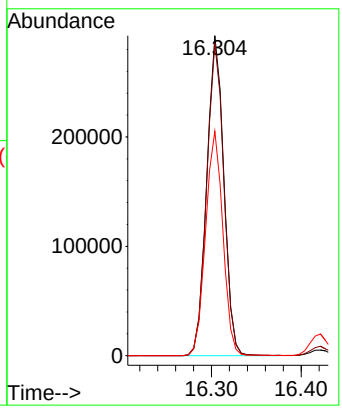
Tgt Ion:248 Resp: 38798

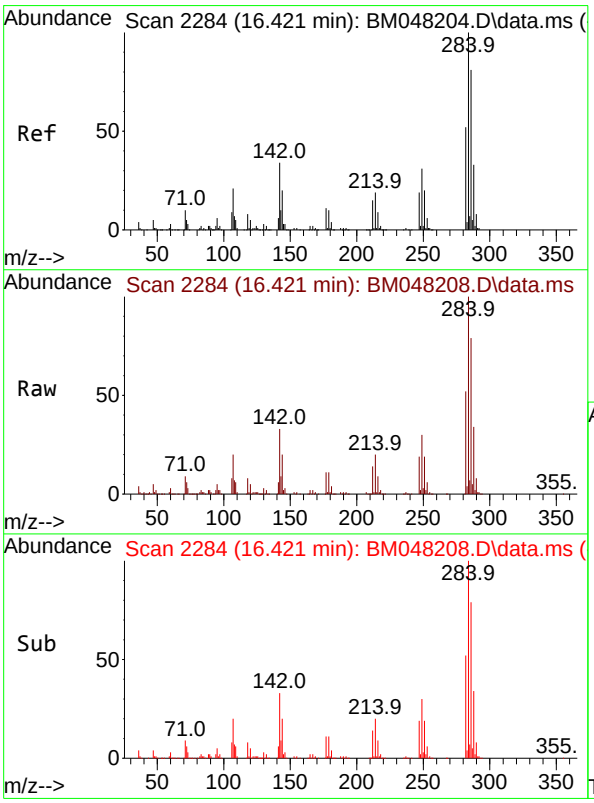
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.3	117.5
141	70.2	58.0	87.0

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

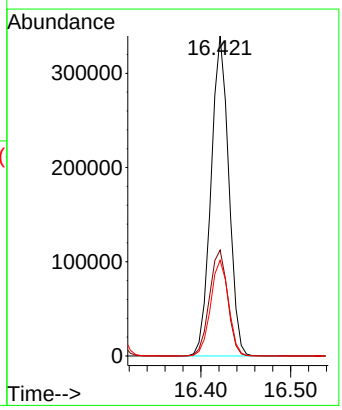


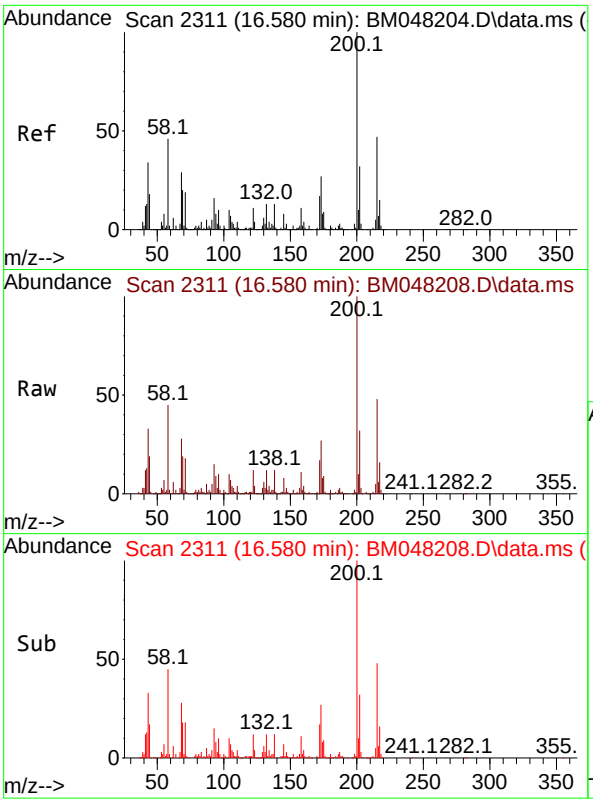


#68
Hexachlorobenzene
Concen: 40.178 ng
RT: 16.421 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:284 Resp: 465986

Ion	Ratio	Lower	Upper
284	100		
142	33.1	27.0	40.4
249	29.9	24.6	36.8





#69
Atrazine
Concen: 49.108 ng
RT: 16.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

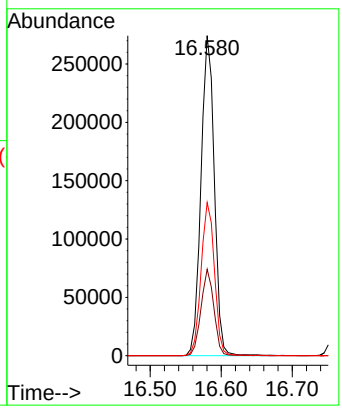
Tgt Ion:200 Resp: 35926

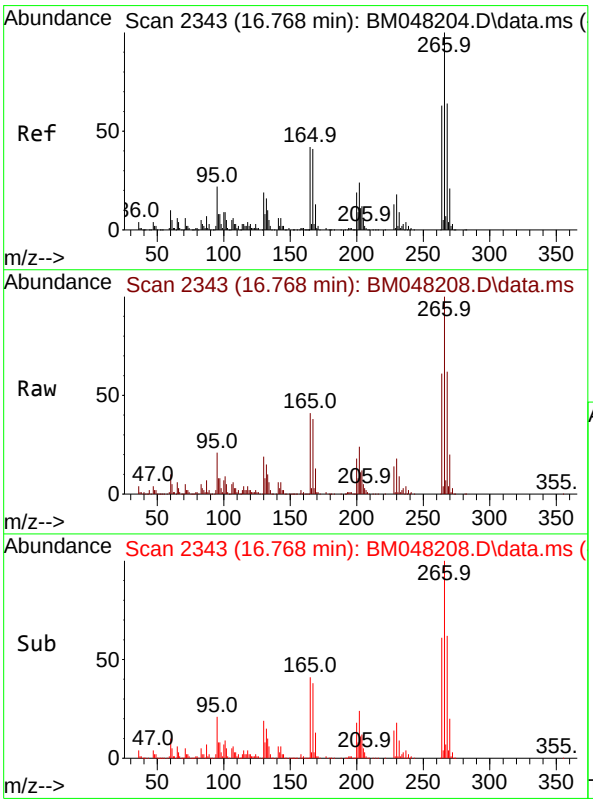
Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.5	46.5
215	47.8	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

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Supervised By :mohammad ahmed 10/24/2024

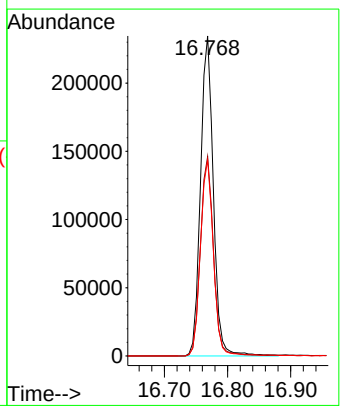


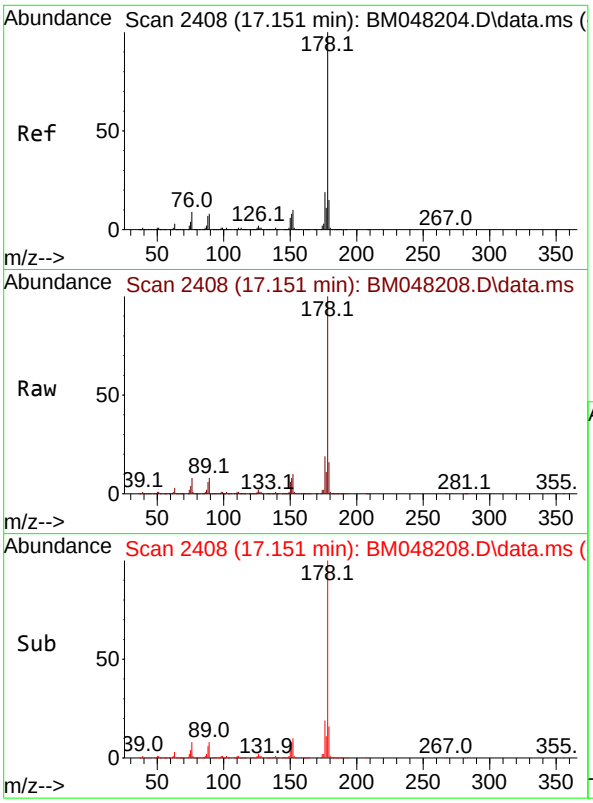


#70
Pentachlorophenol
Concen: 43.445 ng
RT: 16.768 min Scan# 2343
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:266 Resp: 330813

Ion	Ratio	Lower	Upper
266	100		
268	62.4	50.8	76.2
264	61.3	50.2	75.2

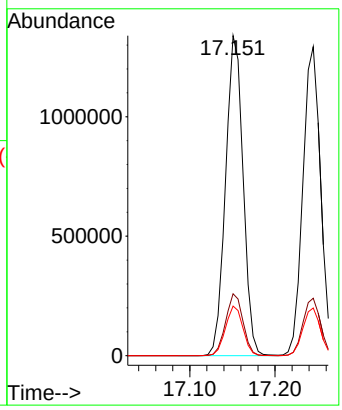




#71
Phenanthrene
Concen: 40.615 ng
RT: 17.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:178 Resp: 191550

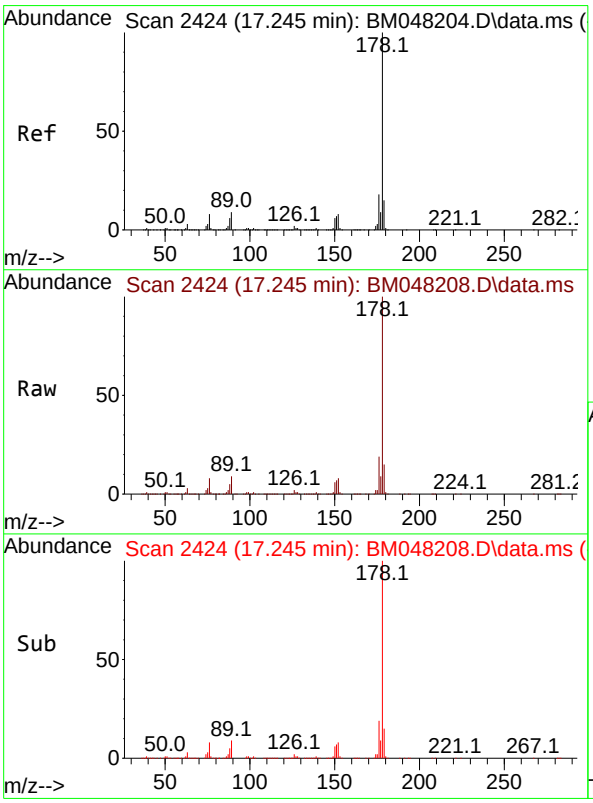
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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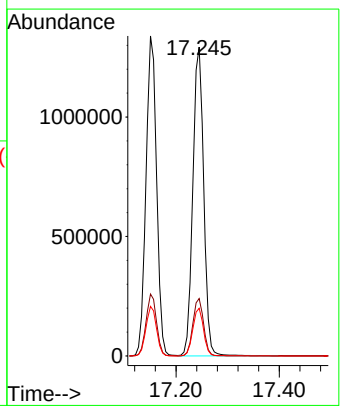
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

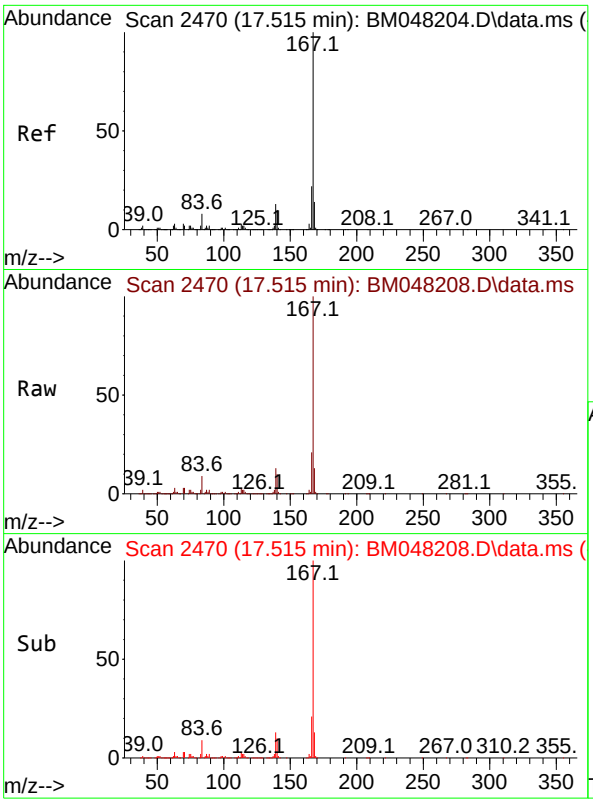


#72
Anthracene
Concen: 41.275 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:178 Resp: 1884398

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.2	18.2





#73
Carbazole
Concen: 42.204 ng
RT: 17.515 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

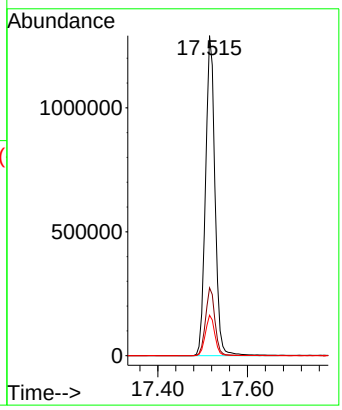
Tgt Ion:167 Resp: 188885

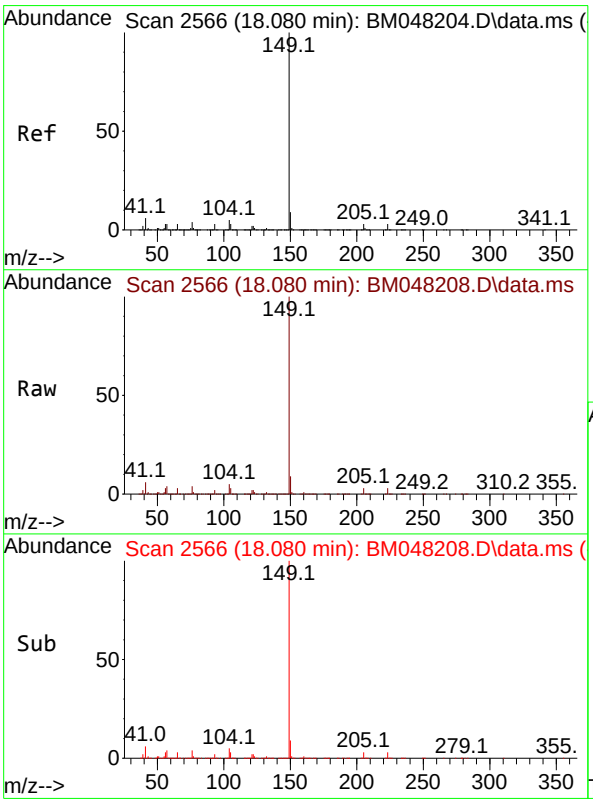
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.7	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

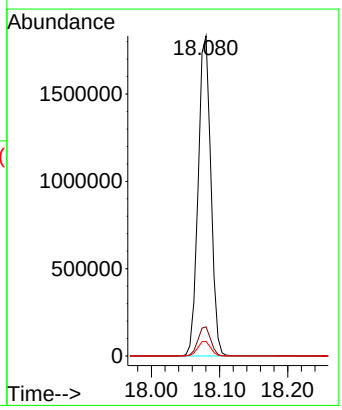


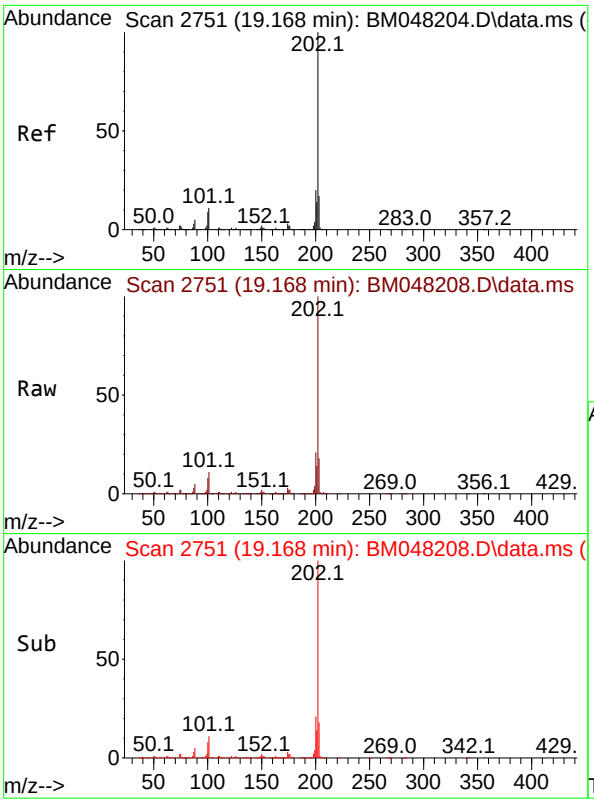


#74
Di-n-butylphthalate
Concen: 42.401 ng
RT: 18.080 min Scan# 2566
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 2362092

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	4.5	3.8	5.6

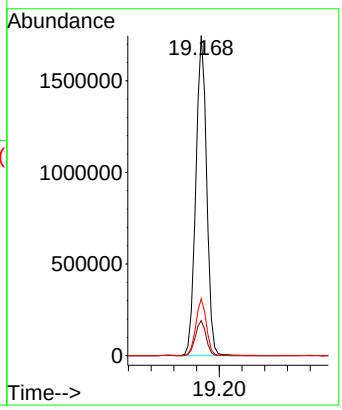




#75
Fluoranthene
Concen: 41.189 ng
RT: 19.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:202 Resp: 231720

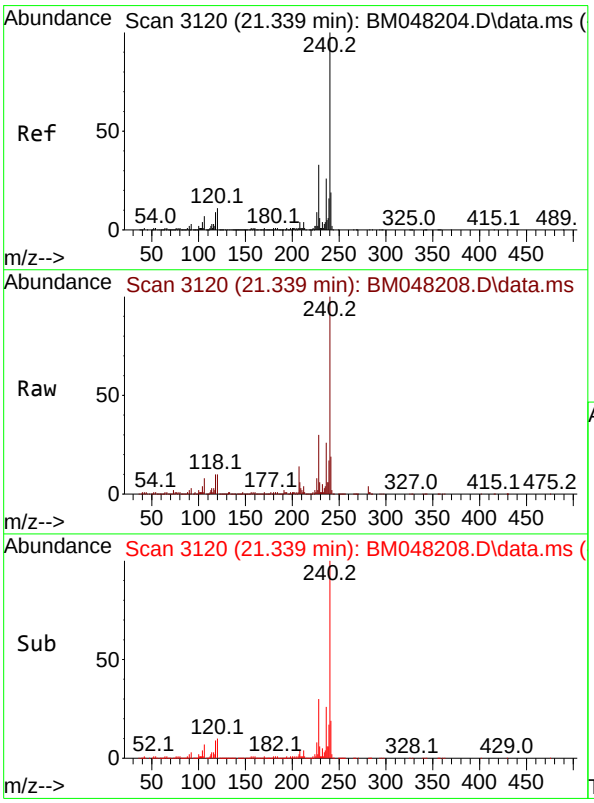
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	17.8	0.0	37.5



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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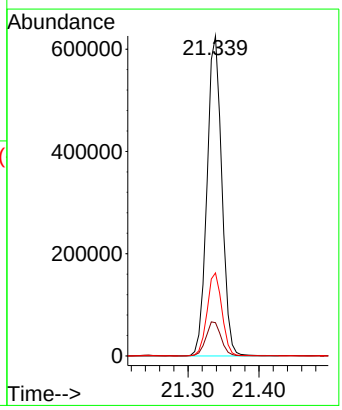
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

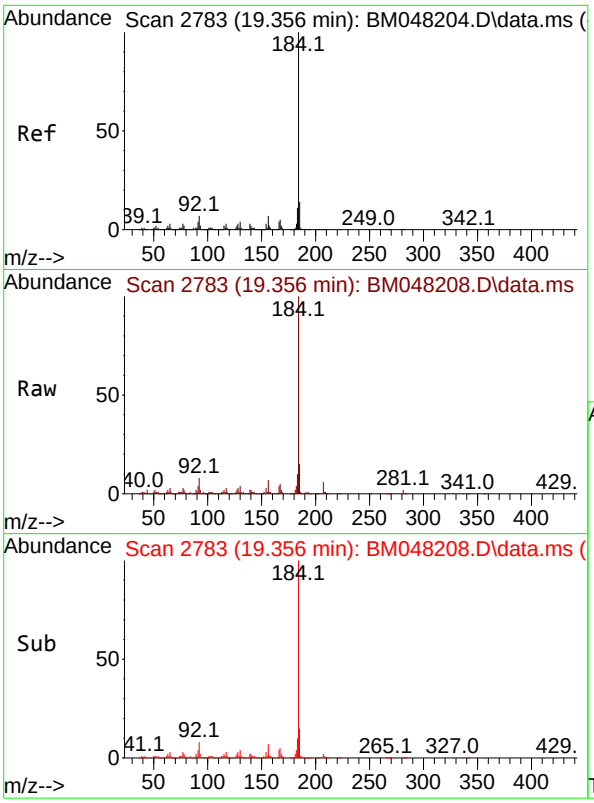


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:240 Resp: 906115

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	25.9	20.7	31.1

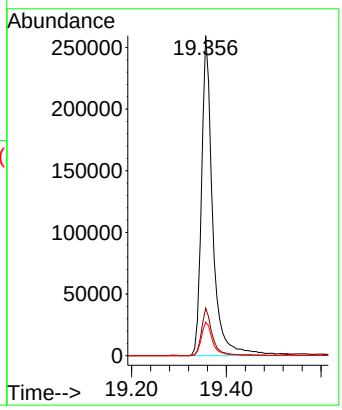




#77
Benzidine
Concen: 40.617 ng
RT: 19.356 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:184 Resp: 42474

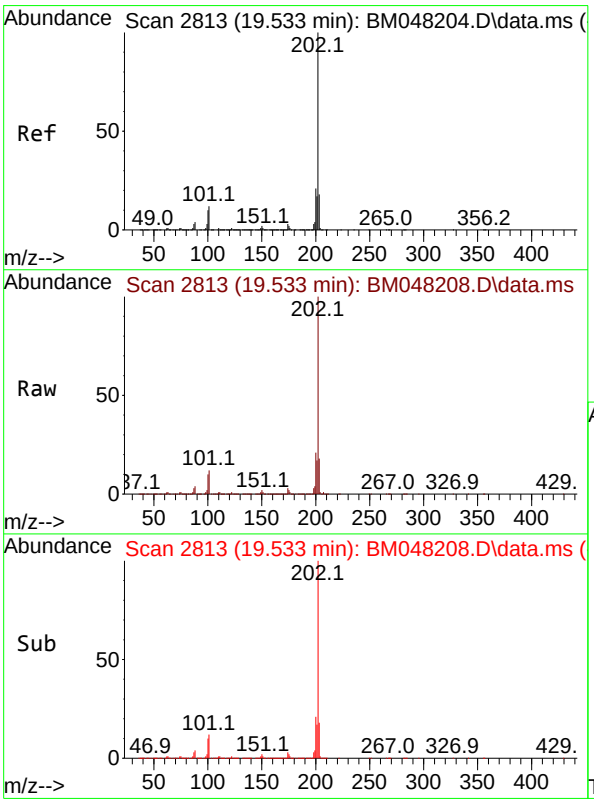
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.0
183	10.5	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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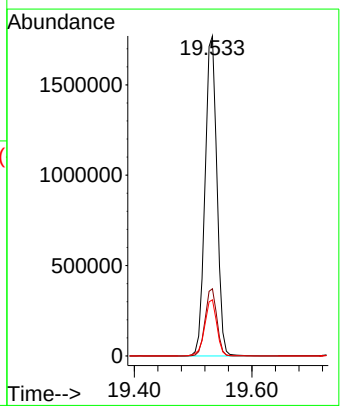
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

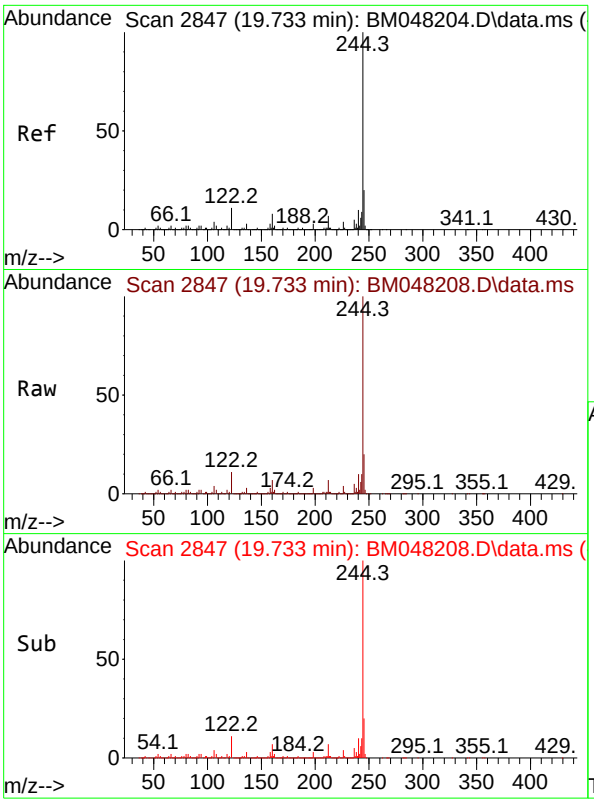


#78
Pyrene
Concen: 40.650 ng
RT: 19.533 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:202 Resp: 2465408

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.6	14.1	21.1

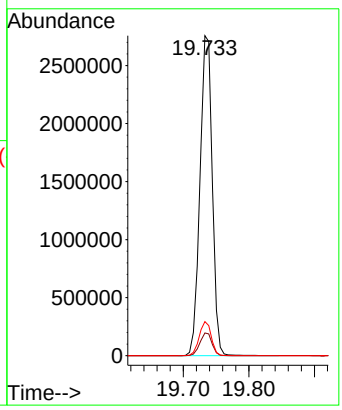




#79
Terphenyl-d14
Concen: 81.390 ng
RT: 19.733 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:244 Resp: 361382

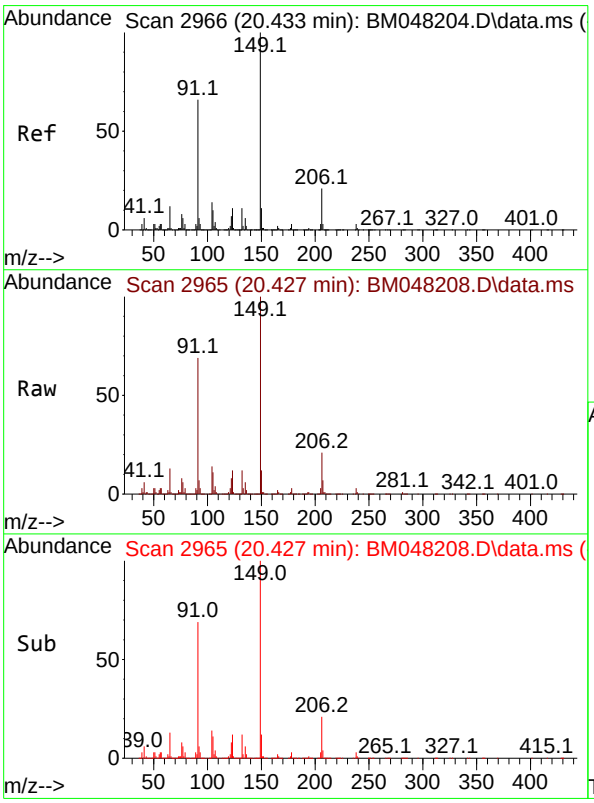
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.7	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
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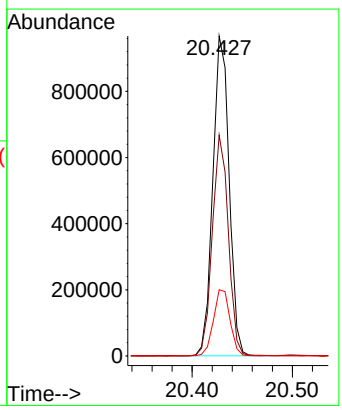
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

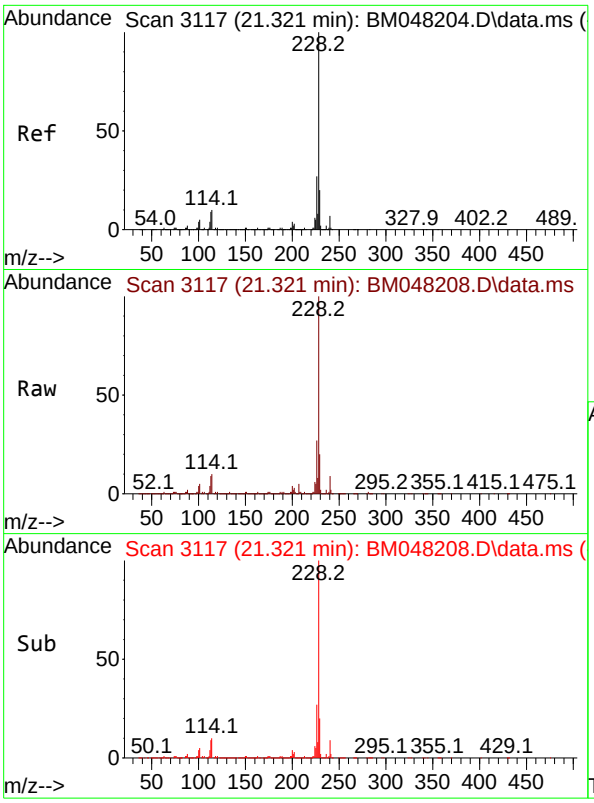


#80
Butylbenzylphthalate
Concen: 42.969 ng
RT: 20.427 min Scan# 2965
Delta R.T. -0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 1089760

Ion	Ratio	Lower	Upper
149	100		
91	69.0	52.5	78.7
206	20.7	17.0	25.6

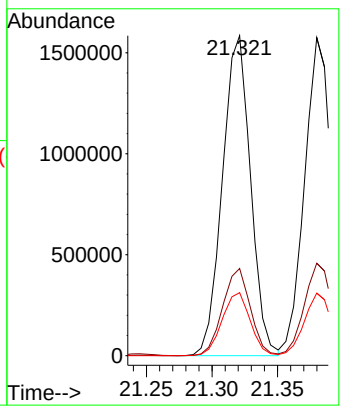




#81
Benzo(a)anthracene
Concen: 40.829 ng
RT: 21.321 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:228 Resp: 236413

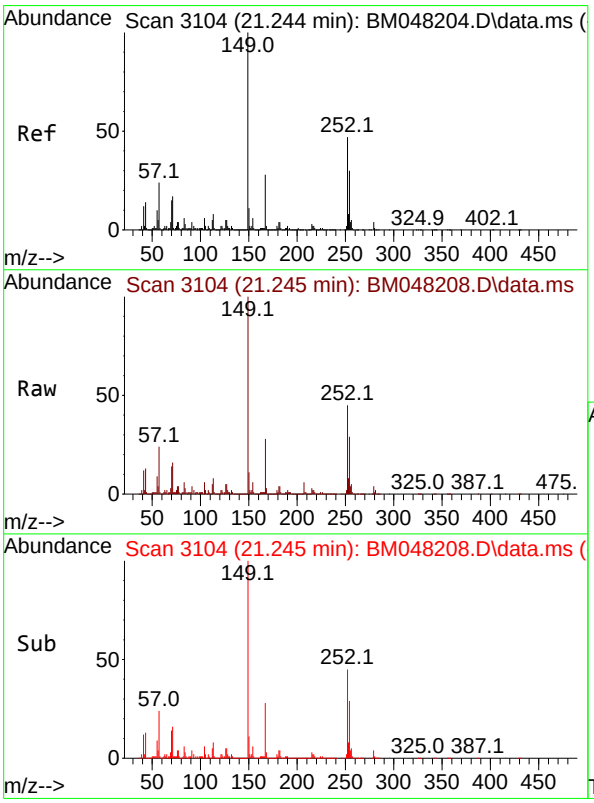
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	19.7	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

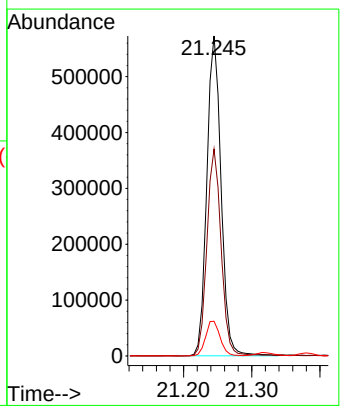
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

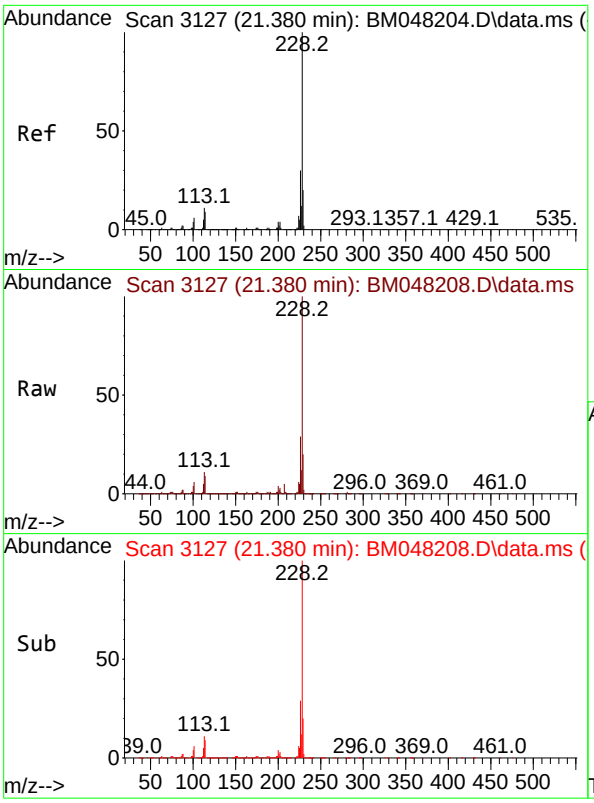


#82
3,3'-Dichlorobenzidine
Concen: 42.007 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:252 Resp: 833151

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.8
126	10.8	8.8	13.2





#83
Chrysene
Concen: 40.707 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

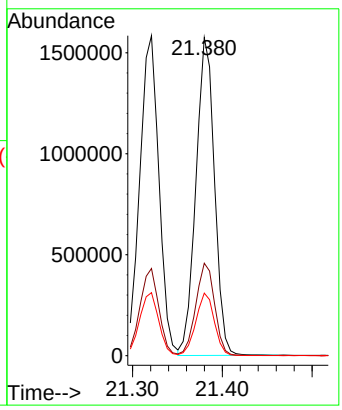
Instrument :
BNA_M
ClientSampleId :
ICVBM102324

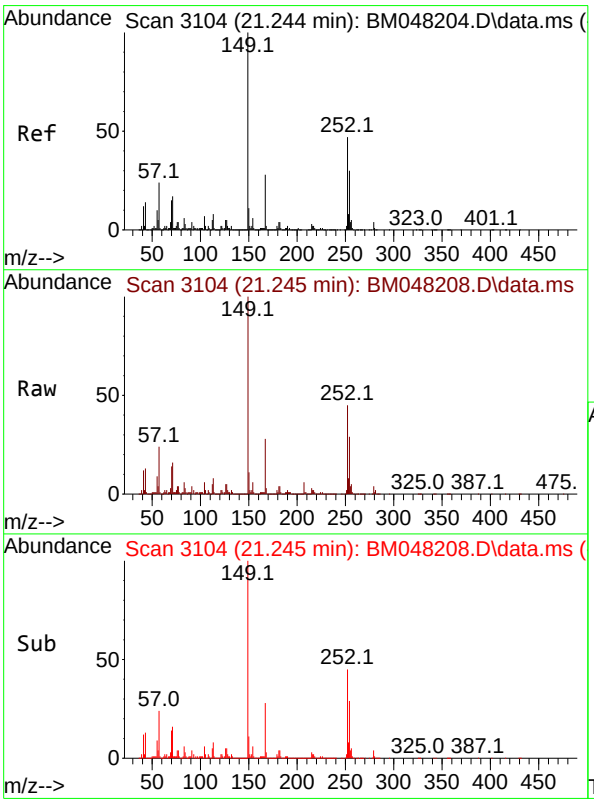
Tgt Ion:228 Resp: 226244

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	19.7	15.7	23.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

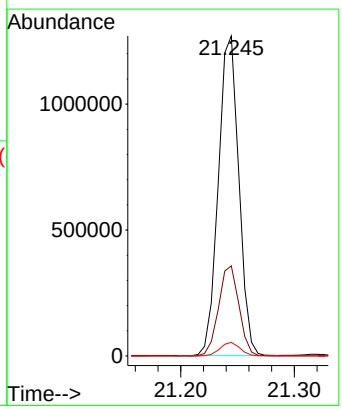


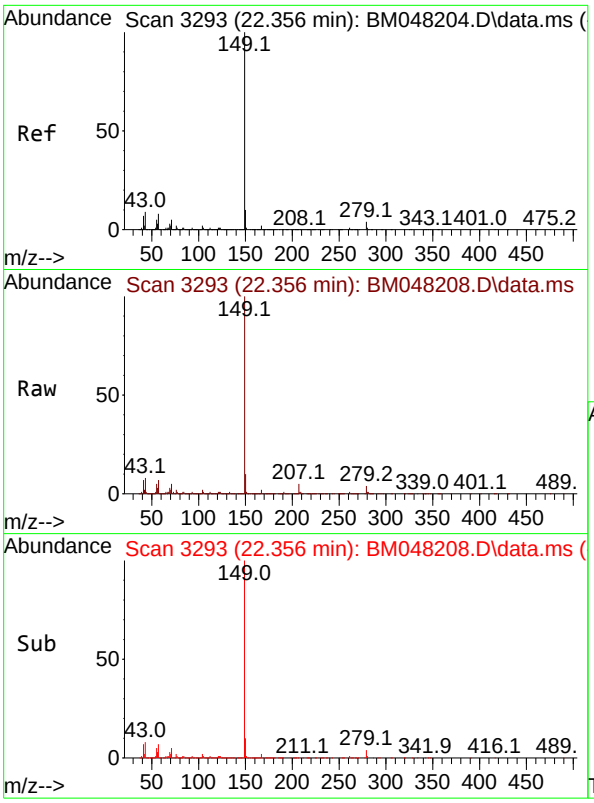


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.186 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 1591892

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	4.2	3.3	4.9

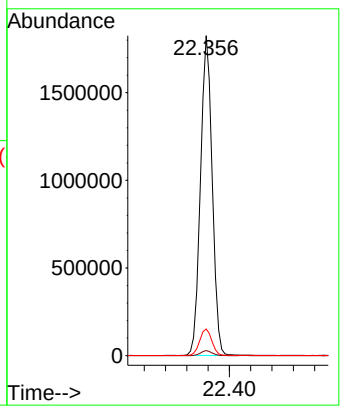




#85
Di-n-octyl phthalate
Concen: 43.588 ng
RT: 22.356 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 278268

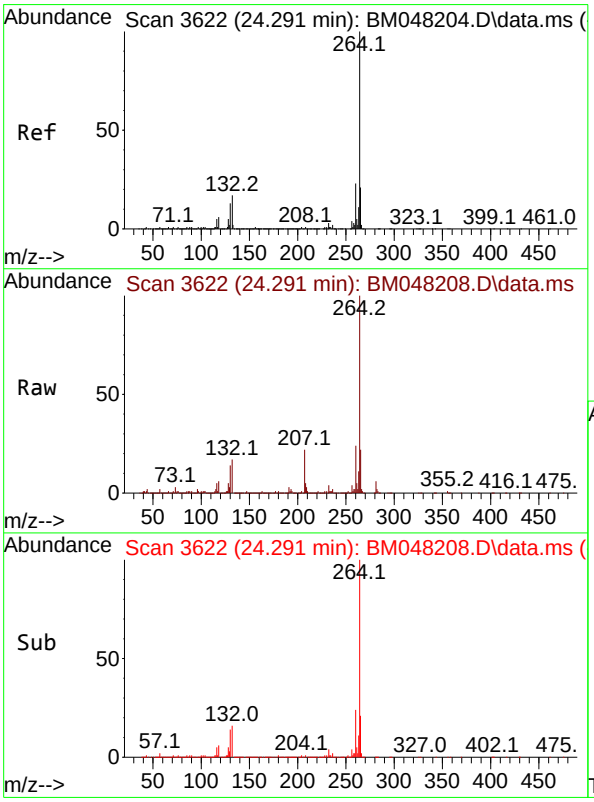
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.6	7.3	10.9



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

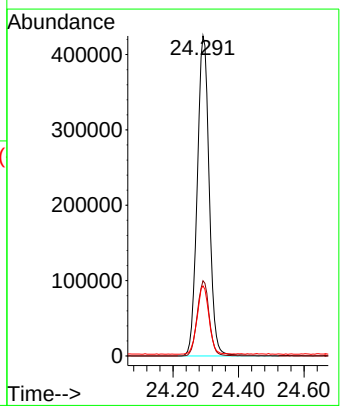
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

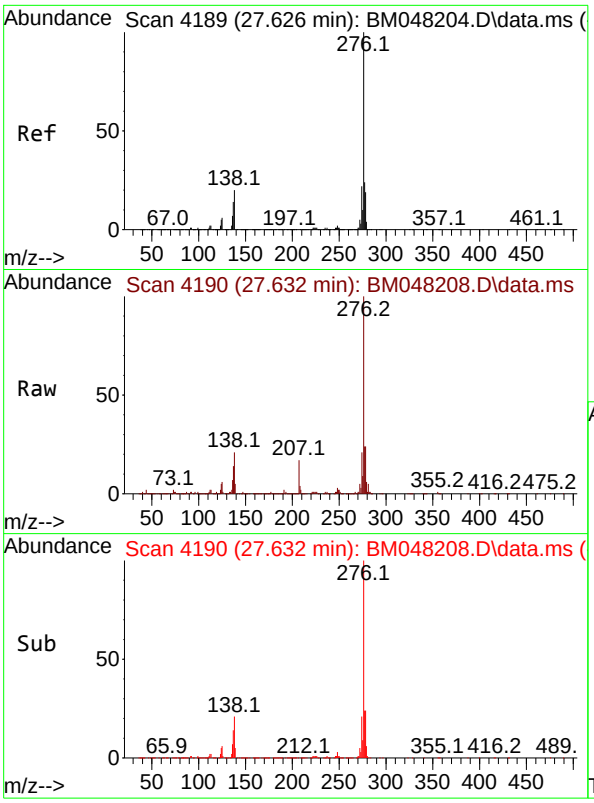


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:264 Resp: 1077278

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.9	17.4	26.2

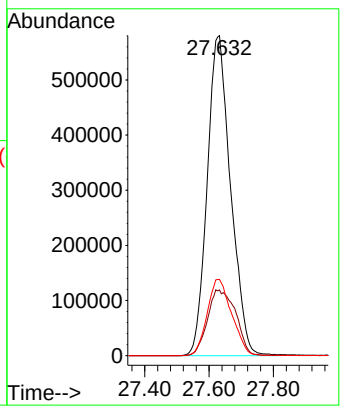




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.250 ng
RT: 27.632 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:276 Resp: 293854

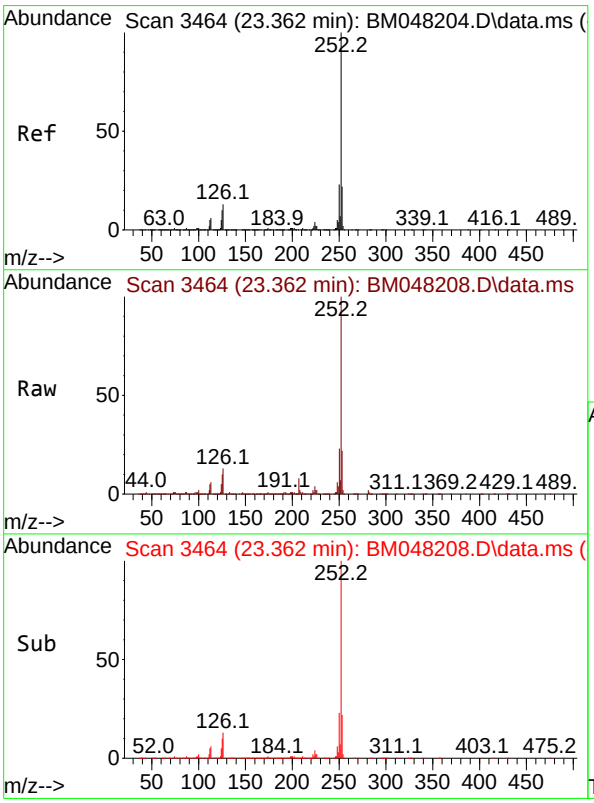
Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.8	29.6
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

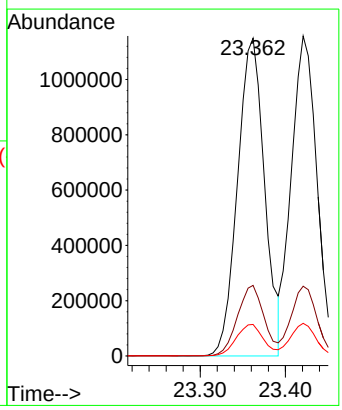
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

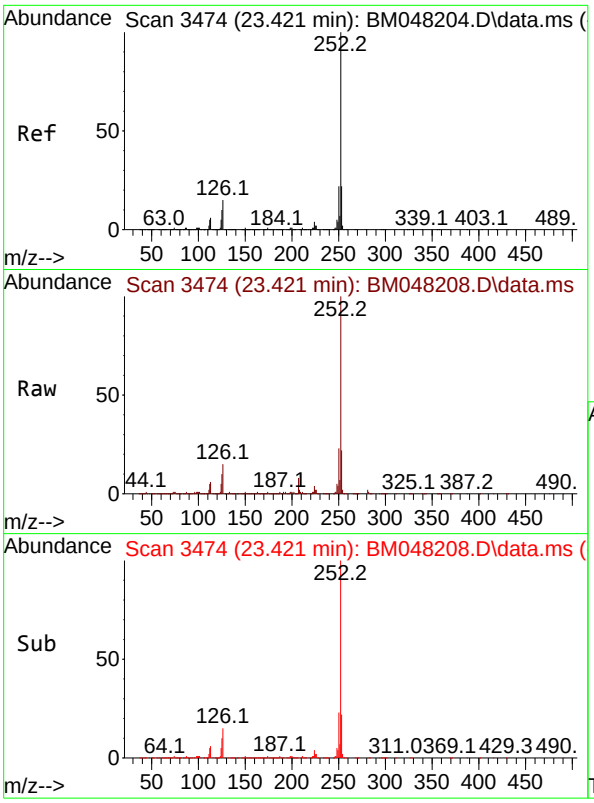


#88
Benzo(b)fluoranthene
Concen: 41.010 ng
RT: 23.362 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:252 Resp: 2533061

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.9	7.9	11.9

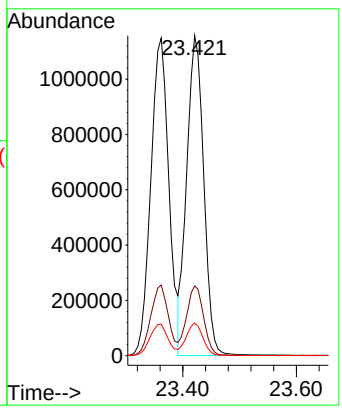




#89
Benzo(k)fluoranthene
Concen: 40.410 ng
RT: 23.421 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:252 Resp: 241323

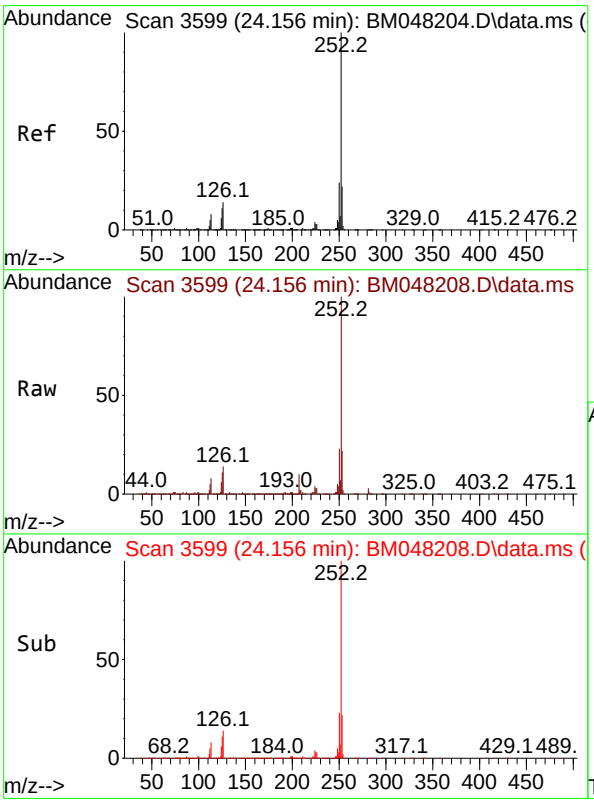
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.2	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

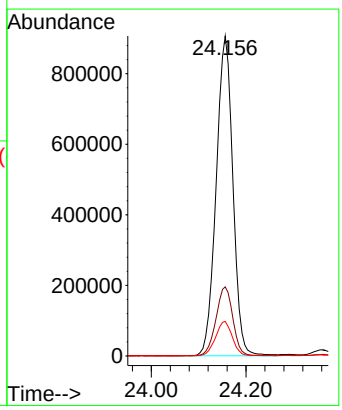
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024

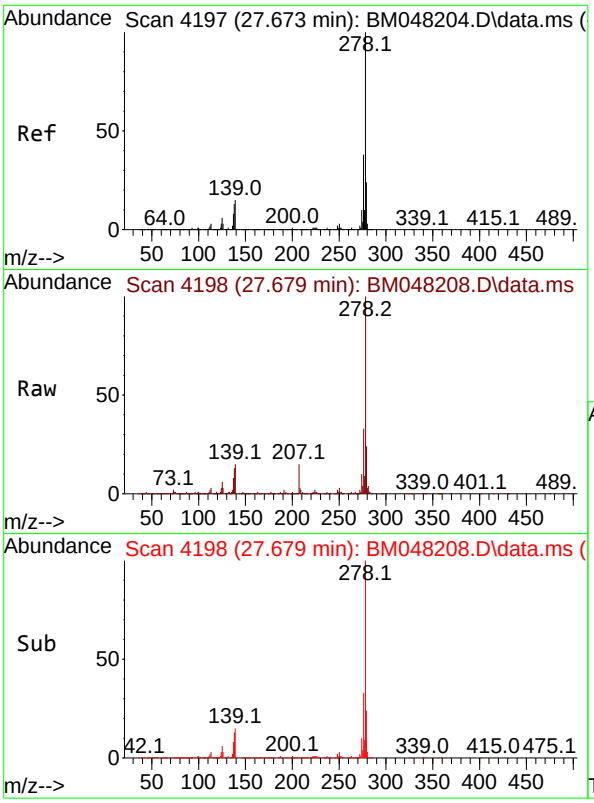


#90
Benzo(a)pyrene
Concen: 41.334 ng
RT: 24.156 min Scan# 3599
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:252 Resp: 2219583

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.8	8.8	13.2

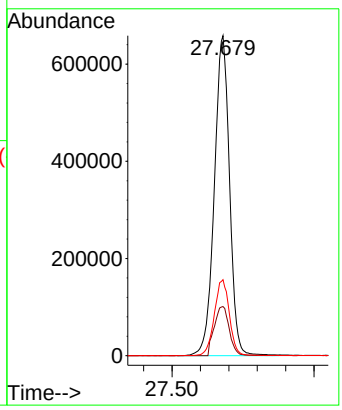




#91
Dibenzo(a,h)anthracene
Concen: 41.249 ng
RT: 27.679 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:278 Resp: 244697

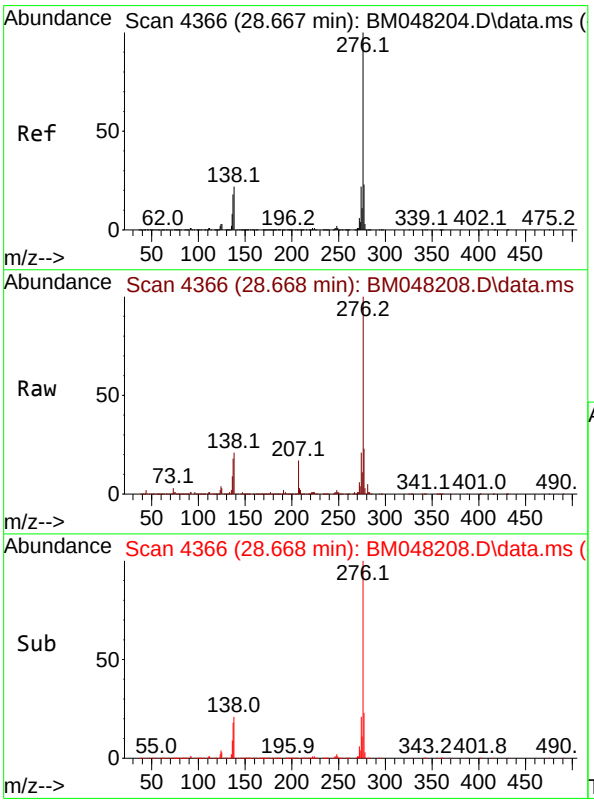
Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.2	18.4
279	23.7	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Manual Integrations
APPROVED

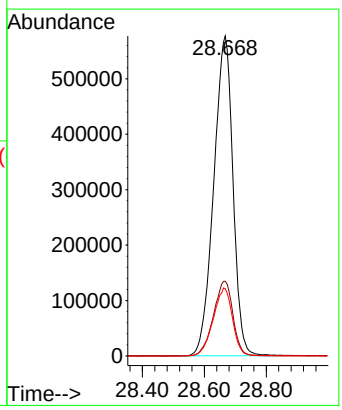
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 40.968 ng
RT: 28.668 min Scan# 4366
Delta R.T. 0.000 min
Lab File: BM048208.D
Acq: 23 Oct 2024 17:46

Tgt Ion:276 Resp: 2488676

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.5	27.7
138	21.0	17.5	26.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	112	0.00
2		1,4-Dioxane	0.487	0.486	0.2	108	0.00
3		Pyridine	1.294	1.325	-2.4	111	0.00
4		n-Nitrosodimethylamine	0.549	0.554	-0.9	108	0.00
5	S	2-Fluorophenol	1.190	1.226	-3.0	113	0.00
6		Aniline	1.286	1.399	-8.8	113	0.00
7	S	Phenol-d6	1.550	1.607	-3.7	113	0.00
8		2-Chlorophenol	1.293	1.330	-2.9	112	0.00
9		Benzaldehyde	0.761	0.791	-3.9	116	0.00
10	C	Phenol	1.559	1.616	-3.7	113	0.00
11		bis(2-Chloroethyl)ether	1.242	1.270	-2.3	111	0.00
12		1,3-Dichlorobenzene	1.490	1.503	-0.9	111	0.00
13	C	1,4-Dichlorobenzene	1.514	1.539	-1.7	113	0.00
14		1,2-Dichlorobenzene	1.463	1.472	-0.6	111	0.00
15		Benzyl Alcohol	0.989	1.043	-5.5	112	0.00
16		2,2'-oxybis(1-Chloropropane	1.816	1.807	0.5	110	0.00
17		2-Methylphenol	1.036	1.091	-5.3	114	0.00
18		Hexachloroethane	0.555	0.550	0.9	109	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	1.011	-3.2	112	0.00
20		3+4-Methylphenols	1.435	1.524	-6.2	112	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22		Acetophenone	0.488	0.501	-2.7	113	0.00
23	S	Nitrobenzene-d5	0.354	0.364	-2.8	112	0.00
24		Nitrobenzene	0.367	0.378	-3.0	113	0.00
25		Isophorone	0.649	0.679	-4.6	114	0.00
26	C	2-Nitrophenol	0.169	0.182	-7.7	114	0.00
27		2,4-Dimethylphenol	0.206	0.218	-5.8	114	0.00
28		bis(2-Chloroethoxy)methane	0.411	0.425	-3.4	112	0.00
29	C	2,4-Dichlorophenol	0.296	0.314	-6.1	114	0.00
30		1,2,4-Trichlorobenzene	0.339	0.342	-0.9	112	0.00
31		Naphthalene	1.043	1.064	-2.0	113	0.00
32		Benzoic acid	0.229	0.258	-12.7	117	0.00
33		4-Chloroaniline	0.338	0.377	-11.5	113	0.00
34	C	Hexachlorobutadiene	0.210	0.211	-0.5	112	0.00
35		Caprolactam	0.096	0.107	-11.5	117	0.00
36	C	4-Chloro-3-methylphenol	0.309	0.332	-7.4	116	0.00
37		2-Methylnaphthalene	0.697	0.714	-2.4	113	0.00
38		1-Methylnaphthalene	0.691	0.712	-3.0	113	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.572	0.571	0.2	113	0.00
41	P	Hexachlorocyclopentadiene	0.193	0.191	1.0	108	0.00
42	S	2,4,6-Tribromophenol	0.245	0.263	-7.3	116	0.00
43	C	2,4,6-Trichlorophenol	0.379	0.394	-4.0	114	0.00
44		2,4,5-Trichlorophenol	0.423	0.448	-5.9	116	0.00
45	S	2-Fluorobiphenyl	1.303	1.312	-0.7	112	0.00
46		1,1'-Biphenyl	1.428	1.448	-1.4	114	0.00
47		2-Chloronaphthalene	1.126	1.132	-0.5	113	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	0.305	0.335	-9.8	116	0.00
49		Acenaphthylene	1.643	1.706	-3.8	115	0.00
50		Dimethylphthalate	1.365	1.412	-3.4	115	0.00
51		2,6-Dinitrotoluene	0.305	0.330	-8.2	117	0.00
52	C	Acenaphthene	1.044	1.063	-1.8	114	0.00
53		3-Nitroaniline	0.287	0.337	-17.4	120	0.00
54	P	2,4-Dinitrophenol	0.178	0.193	-8.4	118	0.00
55		Dibenzofuran	1.658	1.696	-2.3	114	0.00
56	P	4-Nitrophenol	0.256	0.290	-13.3	120	0.00
57		2,4-Dinitrotoluene	0.402	0.448	-11.4	117	0.00
58		Fluorene	1.311	1.352	-3.1	114	0.00
59		2,3,4,6-Tetrachlorophenol	0.351	0.374	-6.6	116	0.00
60		Diethylphthalate	1.382	1.458	-5.5	117	0.00
61		4-Chlorophenyl-phenylether	0.656	0.674	-2.7	115	0.00
62		4-Nitroaniline	0.297	0.354	-19.2	119	0.00
63		Azobenzene	1.239	1.302	-5.1	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00
65		4,6-Dinitro-2-methylphenol	0.116	0.127	-9.5	115	0.00
66	c	n-Nitrosodiphenylamine	0.549	0.551	-0.4	114	0.00
67		4-Bromophenyl-phenylether	0.203	0.204	-0.5	115	0.00
68		Hexachlorobenzene	0.244	0.245	-0.4	115	0.00
69		Atrazine	0.154	0.189	-22.7	119	0.00
70	C	Pentachlorophenol	0.160	0.174	-8.7	119	0.00
71		Phenanthrene	0.990	1.006	-1.6	116	0.00
72		Anthracene	0.959	0.989	-3.1	117	0.00
73		Carbazole	0.940	0.992	-5.5	117	0.00
74		Di-n-butylphthalate	1.170	1.240	-6.0	118	0.00
75	C	Fluoranthene	1.181	1.216	-3.0	117	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	118	0.00
77		Benzidine	0.231	0.234	-1.3	81	0.00
78		Pyrene	1.339	1.360	-1.6	118	0.00
79	S	Terphenyl-d14	0.980	0.997	-1.7	117	0.00
80		Butylbenzylphthalate	0.560	0.601	-7.3	121	0.00
81		Benzo(a)anthracene	1.278	1.305	-2.1	119	0.00
82		3,3'-Dichlorobenzidine	0.438	0.460	-5.0	115	0.00
83		Chrysene	1.227	1.248	-1.7	119	0.00
84		Bis(2-ethylhexyl)phthalate	0.814	0.878	-7.9	120	0.00
85	c	Di-n-octyl phthalate	1.409	1.536	-9.0	122	0.00
86	I	Perylene-d12	1.000	1.000	0.0	122	0.00
87		Indeno(1,2,3-cd)pyrene	1.323	1.364	-3.1	121	0.00
88		Benzo(b)fluoranthene	1.147	1.176	-2.5	121	0.00
89		Benzo(k)fluoranthene	1.109	1.120	-1.0	119	0.00
90	C	Benzo(a)pyrene	0.997	1.030	-3.3	121	0.00
91		Dibenzo(a,h)anthracene	1.101	1.136	-3.2	120	0.00
92		Benzo(g,h,i)perylene	1.128	1.155	-2.4	121	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	112	0.00
2		1,4-Dioxane	40.000	39.945	0.1	108	0.00
3		Pyridine	40.000	40.973	-2.4	111	0.00
4		n-Nitrosodimethylamine	40.000	40.338	-0.8	108	0.00
5	S	2-Fluorophenol	80.000	82.401	-3.0	113	0.00
6		Aniline	40.000	43.503	-8.8	113	0.00
7	S	Phenol-d6	80.000	82.954	-3.7	113	0.00
8		2-Chlorophenol	40.000	41.149	-2.9	112	0.00
9		Benzaldehyde	40.000	41.579	-3.9	116	0.00
10	C	Phenol	40.000	41.460	-3.7	113	0.00
11		bis(2-Chloroethyl)ether	40.000	40.903	-2.3	111	0.00
12		1,3-Dichlorobenzene	40.000	40.347	-0.9	111	0.00
13	C	1,4-Dichlorobenzene	40.000	40.653	-1.6	113	0.00
14		1,2-Dichlorobenzene	40.000	40.244	-0.6	111	0.00
15		Benzyl Alcohol	40.000	42.221	-5.6	112	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.805	0.5	110	0.00
17		2-Methylphenol	40.000	42.135	-5.3	114	0.00
18		Hexachloroethane	40.000	39.627	0.9	109	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.253	-3.1	112	0.00
20		3+4-Methylphenols	40.000	42.469	-6.2	112	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22		Acetophenone	40.000	41.085	-2.7	113	0.00
23	S	Nitrobenzene-d5	80.000	82.156	-2.7	112	0.00
24		Nitrobenzene	40.000	41.202	-3.0	113	0.00
25		Isophorone	40.000	41.856	-4.6	114	0.00
26	C	2-Nitrophenol	40.000	42.964	-7.4	114	0.00
27		2,4-Dimethylphenol	40.000	42.323	-5.8	114	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.401	-3.5	112	0.00
29	C	2,4-Dichlorophenol	40.000	42.403	-6.0	114	0.00
30		1,2,4-Trichlorobenzene	40.000	40.422	-1.1	112	0.00
31		Naphthalene	40.000	40.790	-2.0	113	0.00
32		Benzoic acid	40.000	45.048	-12.6	117	0.00
33		4-Chloroaniline	40.000	44.536	-11.3	113	0.00
34	C	Hexachlorobutadiene	40.000	40.200	-0.5	112	0.00
35		Caprolactam	40.000	44.661	-11.7	117	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.954	-7.4	116	0.00
37		2-Methylnaphthalene	40.000	40.999	-2.5	113	0.00
38		1-Methylnaphthalene	40.000	41.192	-3.0	113	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.942	0.1	113	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.553	1.1	108	0.00
42	S	2,4,6-Tribromophenol	80.000	86.036	-7.5	116	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.519	-3.8	114	0.00
44		2,4,5-Trichlorophenol	40.000	42.345	-5.9	116	0.00
45	S	2-Fluorobiphenyl	80.000	80.513	-0.6	112	0.00
46		1,1'-Biphenyl	40.000	40.549	-1.4	114	0.00
47		2-Chloronaphthalene	40.000	40.220	-0.5	113	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	43.851	-9.6	116	0.00
49		Acenaphthylene	40.000	41.532	-3.8	115	0.00
50		Dimethylphthalate	40.000	41.360	-3.4	115	0.00
51		2,6-Dinitrotoluene	40.000	43.266	-8.2	117	0.00
52	C	Acenaphthene	40.000	40.748	-1.9	114	0.00
53		3-Nitroaniline	40.000	46.854	-17.1	120	0.00
54	P	2,4-Dinitrophenol	40.000	43.448	-8.6	118	0.00
55		Dibenzofuran	40.000	40.907	-2.3	114	0.00
56	P	4-Nitrophenol	40.000	45.193	-13.0	120	0.00
57		2,4-Dinitrotoluene	40.000	44.531	-11.3	117	0.00
58		Fluorene	40.000	41.239	-3.1	114	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.671	-6.7	116	0.00
60		Diethylphthalate	40.000	42.183	-5.5	117	0.00
61		4-Chlorophenyl-phenylether	40.000	41.120	-2.8	115	0.00
62		4-Nitroaniline	40.000	47.619	-19.0	119	0.00
63		Azobenzene	40.000	42.033	-5.1	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	118	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.670	-9.2	115	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.148	-0.4	114	0.00
67		4-Bromophenyl-phenylether	40.000	40.179	-0.4	115	0.00
68		Hexachlorobenzene	40.000	40.178	-0.4	115	0.00
69		Atrazine	40.000	49.108	-22.8	119	0.00
70	C	Pentachlorophenol	40.000	43.445	-8.6	119	0.00
71		Phenanthrene	40.000	40.615	-1.5	116	0.00
72		Anthracene	40.000	41.275	-3.2	117	0.00
73		Carbazole	40.000	42.204	-5.5	117	0.00
74		Di-n-butylphthalate	40.000	42.401	-6.0	118	0.00
75	C	Fluoranthene	40.000	41.189	-3.0	117	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	118	0.00
77		Benzidine	40.000	40.617	-1.5	81	0.00
78		Pyrene	40.000	40.650	-1.6	118	0.00
79	S	Terphenyl-d14	80.000	81.390	-1.7	117	0.00
80		Butylbenzylphthalate	40.000	42.969	-7.4	121	0.00
81		Benzo(a)anthracene	40.000	40.829	-2.1	119	0.00
82		3,3'-Dichlorobenzidine	40.000	42.007	-5.0	115	0.00
83		Chrysene	40.000	40.707	-1.8	119	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.186	-8.0	120	0.00
85	c	Di-n-octyl phthalate	40.000	43.588	-9.0	122	0.00
86	I	Perylene-d12	20.000	20.000	0.0	122	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.250	-3.1	121	0.00
88		Benzo(b)fluoranthene	40.000	41.010	-2.5	121	0.00
89		Benzo(k)fluoranthene	40.000	40.410	-1.0	119	0.00
90	C	Benzo(a)pyrene	40.000	41.334	-3.3	121	0.00
91		Dibenzo(a,h)anthracene	40.000	41.249	-3.1	120	0.00
92		Benzo(g,h,i)perylene	40.000	40.968	-2.4	121	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048208.D
Acq On : 23 Oct 2024 17:46
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM102324

Quant Time: Oct 23 18:24:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 09:20

Lab File ID: BF139952.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.535		-7.3	
Phenol	1.706	1.607		-5.8	20.0
bis(2-Chloroethyl)ether	1.319	1.234		-6.4	
2-Chlorophenol	1.306	1.268		-2.9	
2-Methylphenol	1.114	1.068		-4.1	
2,2-oxybis(1-Chloropropane)	2.248	2.003		-10.9	
Acetophenone	0.490	0.464		-5.3	
3+4-Methylphenols	1.424	1.338		-6.0	
n-Nitroso-di-n-propylamine	1.004	0.910	0.050	-9.4	
Nitrobenzene-d5	0.361	0.367		1.7	
Hexachloroethane	0.534	0.522		-2.2	
Nitrobenzene	0.396	0.388		-2.0	
Isophorone	0.685	0.648		-5.4	
2-Nitrophenol	0.149	0.174		16.8	20.0
2,4-Dimethylphenol	0.249	0.236		-5.2	
bis(2-Chloroethoxy)methane	0.415	0.398		-4.1	
2,4-Dichlorophenol	0.283	0.280		-1.1	20.0
Naphthalene	1.031	1.008		-2.2	
4-Chloroaniline	0.352	0.342		-2.8	
Hexachlorobutadiene	0.197	0.200		1.5	20.0
Caprolactam	0.090	0.090		0.0	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.632	0.620		-1.9	
Hexachlorocyclopentadiene	0.188	0.204	0.050	8.5	
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.162		-4.0	
2,4,5-Trichlorophenol	0.394	0.393		-0.3	
1,1-Biphenyl	1.392	1.355		-2.7	
2-Chloronaphthalene	1.121	1.098		-2.1	
2-Nitroaniline	0.343	0.363		5.8	
Dimethylphthalate	1.246	1.215		-2.5	
Acenaphthylene	1.621	1.589		-2.0	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.293		5.4	
Acenaphthene	1.049	1.047		-0.2	20.0
2,4-Dinitrophenol	0.093	0.140	0.050	50.5	
4-Nitrophenol	0.214	0.233	0.050	8.9	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 09:20

Lab File ID: BF139952.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.468		-2.5	
2,4-Dinitrotoluene	0.332	0.372		12.0	
Diethylphthalate	1.223	1.192		-2.5	
4-Chlorophenyl-phenylether	0.579	0.584		0.9	
Fluorene	1.146	1.120		-2.3	
4-Nitroaniline	0.263	0.278		5.7	
4,6-Dinitro-2-methylphenol	0.082	0.113		37.8	
n-Nitrosodiphenylamine	0.599	0.579		-3.3	20.0
2,4,6-Tribromophenol	0.187	0.206		10.2	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.165		1.9	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.906		-4.1	
Anthracene	0.922	0.896		-2.8	
Carbazole	0.857	0.815		-4.9	
Di-n-butylphthalate	0.990	0.951		-3.9	
Fluoranthene	0.955	0.921		-3.6	20.0
Pyrene	1.751	1.747		-0.2	
Terphenyl-d14	1.227	1.236		0.7	
Butylbenzylphthalate	0.525	0.536		2.1	
3,3-Dichlorobenzidine	0.380	0.427		12.4	
Benzo(a)anthracene	1.302	1.273		-2.2	
Chrysene	1.194	1.169		-2.1	
Bis(2-ethylhexyl)phthalate	0.589	0.652		10.7	
Di-n-octyl phthalate	1.071	1.163		8.6	20.0
Benzo(b)fluoranthene	1.218	1.240		1.8	
Benzo(k)fluoranthene	1.051	0.912		-13.2	
Benzo(a)pyrene	1.002	0.988		-1.4	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.393		8.2	
Dibenzo(a,h)anthracene	1.073	1.155		7.6	
Benzo(g,h,i)perylene	1.072	1.184		10.4	
1,2,4,5-Tetrachlorobenzene	0.540	0.541		0.2	
1,4-Dioxane	0.596	0.552		-7.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.318		2.9	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

10/24/2024
Supervised By :mohammad ahmed

10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	156634	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	590130	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	329153	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	576587	20.000	ng	0.00
76) Chrysene-d12	14.057	240	299183	20.000	ng	0.00
86) Perylene-d12	15.533	264	329130	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	756653	75.624	ng	0.00
7) Phenol-d6	6.510	99	961945	74.232	ng	0.00
23) Nitrobenzene-d5	7.451	82	865501	81.286	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	271250	88.103	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1530540	76.849	ng	0.00
79) Terphenyl-d14	12.998	244	1479656	80.588	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	172780	37.037	ng	95
3) Pyridine	3.434	79	426509	36.885	ng	97
4) n-Nitrosodimethylamine	3.381	42	221378	35.634	ng	97
6) Aniline	6.557	93	456412	37.791	ng	97
8) 2-Chlorophenol	6.675	128	397094	38.822	ng	99
9) Benzaldehyde	6.440	77	254907	34.967	ng	99
10) Phenol	6.528	94	503534m	37.690	ng	
11) bis(2-Chloroethyl)ether	6.628	93	386484	37.428	ng	98
12) 1,3-Dichlorobenzene	6.834	146	455424	38.787	ng	99
13) 1,4-Dichlorobenzene	6.910	146	458258	39.065	ng	99
14) 1,2-Dichlorobenzene	7.063	146	427711	39.067	ng	98
15) Benzyl Alcohol	7.028	79	360813	37.958	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	627431	35.635	ng	99
17) 2-Methylphenol	7.134	107	334711	38.376	ng	99
18) Hexachloroethane	7.404	117	163379	39.057	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	285035	36.267	ng	97
20) 3+4-Methylphenols	7.287	107	419114	37.569	ng	99
22) Acetophenone	7.298	105	547698	37.892	ng	98
24) Nitrobenzene	7.475	77	457518	39.191	ng	98
25) Isophorone	7.710	82	765148	37.861	ng	99
26) 2-Nitrophenol	7.787	139	205936	46.760	ng	96
27) 2,4-Dimethylphenol	7.816	122	278267	37.893	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	469945	38.381	ng	100
29) 2,4-Dichlorophenol	8.022	162	330949	39.566	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	368190	39.781	ng	100
31) Naphthalene	8.198	128	1189876	39.095	ng	100
32) Benzoic acid	7.922	122	280518	43.797	ng	97
33) 4-Chloroaniline	8.240	127	403424	38.873	ng	99
34) Hexachlorobutadiene	8.310	225	236438	40.658	ng	98
35) Caprolactam	8.610	113	106703	40.120	ng	91
36) 4-Chloro-3-methylphenol	8.716	107	359470	38.812	ng	96
37) 2-Methylnaphthalene	8.887	142	731192	39.227	ng	100
38) 1-Methylnaphthalene	8.987	142	715426	39.120	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	355865	40.075	ng	100
41) Hexachlorocyclopentadiene	9.040	237	134320	43.472	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	265016	42.153	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	258543	39.859	ng		97
46) 1,1'-Biphenyl	9.351	154	891770	38.918	ng		99
47) 2-Chloronaphthalene	9.375	162	723091	39.181	ng		100
48) 2-Nitroaniline	9.469	65	238757	42.300	ng		92
49) Acenaphthylene	9.792	152	1045886	39.200	ng		100
50) Dimethylphthalate	9.651	163	799846	39.013	ng		100
51) 2,6-Dinitrotoluene	9.710	165	189348	42.654	ng		95
52) Acenaphthene	9.963	154	689265	39.935	ng		99
53) 3-Nitroaniline	9.875	138	192935	42.145	ng		97
54) 2,4-Dinitrophenol	9.981	184	92435	52.556	ng	#	1
55) Dibenzofuran	10.134	168	966623	39.034	ng		99
56) 4-Nitrophenol	10.028	139	153534	43.593	ng		97
57) 2,4-Dinitrotoluene	10.110	165	244656	44.817	ng		98
58) Fluorene	10.481	166	737183	39.085	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	209605	41.221	ng		97
60) Diethylphthalate	10.351	149	784653	38.979	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	384427	40.360	ng		98
62) 4-Nitroaniline	10.492	138	183216	42.376	ng		96
63) Azobenzene	10.628	77	800436	37.507	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	130520	55.496	ng		94
66) n-Nitrosodiphenylamine	10.586	169	668240	38.723	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	243222	40.947	ng		94
68) Hexachlorobenzene	11.028	284	269072	40.278	ng		95
69) Atrazine	11.110	200	189938	40.631	ng		100
70) Pentachlorophenol	11.216	266	186013	45.879	ng		99
71) Phenanthrene	11.439	178	1045223	38.377	ng		100
72) Anthracene	11.492	178	1032769	38.865	ng		100
73) Carbazole	11.645	167	939679	38.023	ng		99
74) Di-n-butylphthalate	11.975	149	1096390	38.399	ng		100
75) Fluoranthene	12.628	202	1062550	38.592	ng		100
77) Benzidine	12.745	184	245338	49.870	ng		99
78) Pyrene	12.857	202	1045514	39.923	ng		100
80) Butylbenzylphthalate	13.475	149	320762	40.854	ng		99
81) Benzo(a)anthracene	14.045	228	761588	39.104	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	255392	44.975	ng		100
83) Chrysene	14.080	228	699768	39.187	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	390057	44.280	ng		99
85) Di-n-octyl phthalate	14.645	149	695957	43.437	ng		98
87) Indeno(1,2,3-cd)pyrene	17.033	276	917265	43.321	ng		98
88) Benzo(b)fluoranthene	15.098	252	815990	40.699	ng		100
89) Benzo(k)fluoranthene	15.127	252	600268	34.716	ng		99
90) Benzo(a)pyrene	15.469	252	650166	39.411	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	760210	43.038	ng		99
92) Benzo(g,h,i)perylene	17.486	276	779486	44.179	ng		99

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

Sample Results: **BF139952.D**

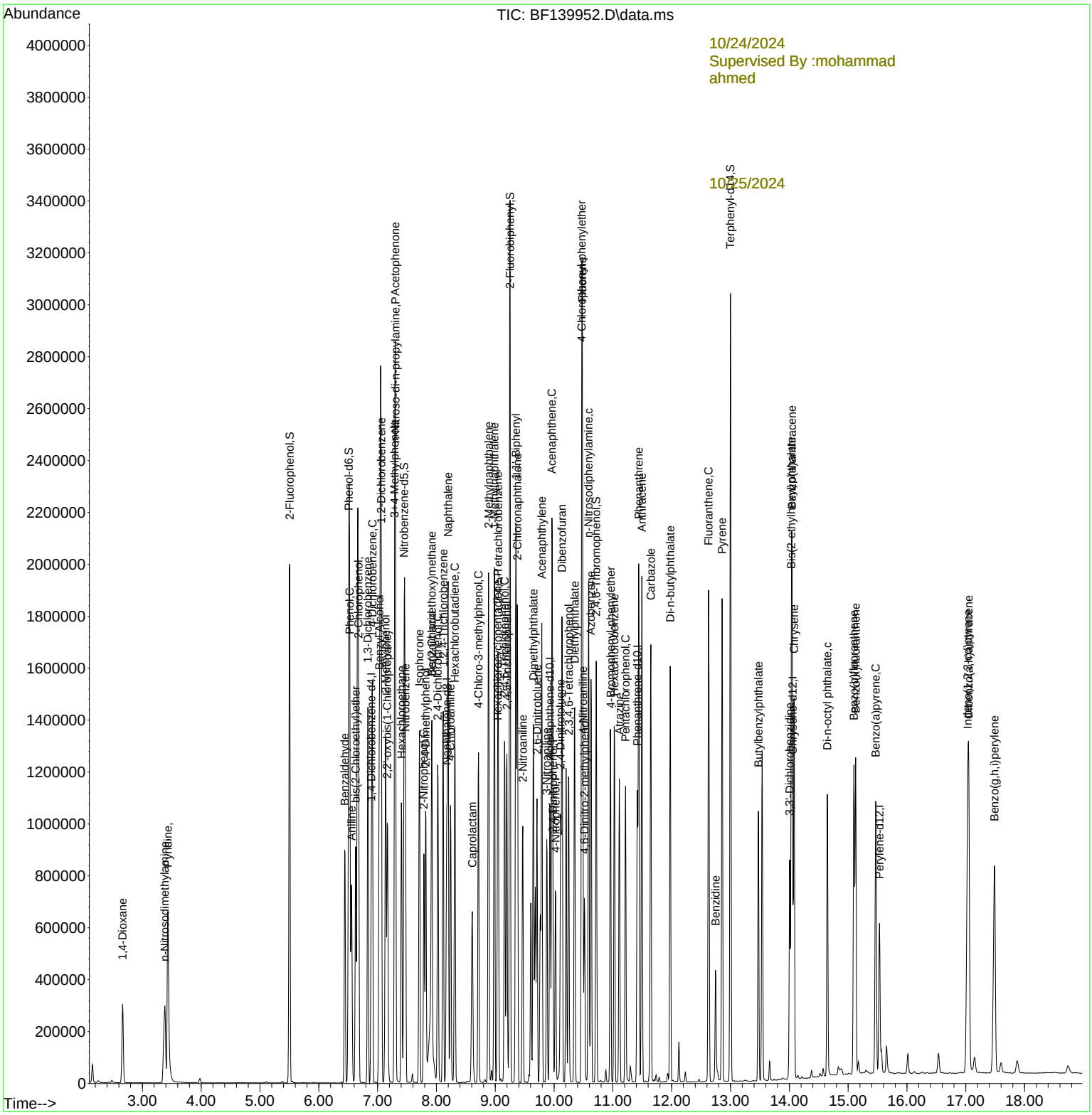
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Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

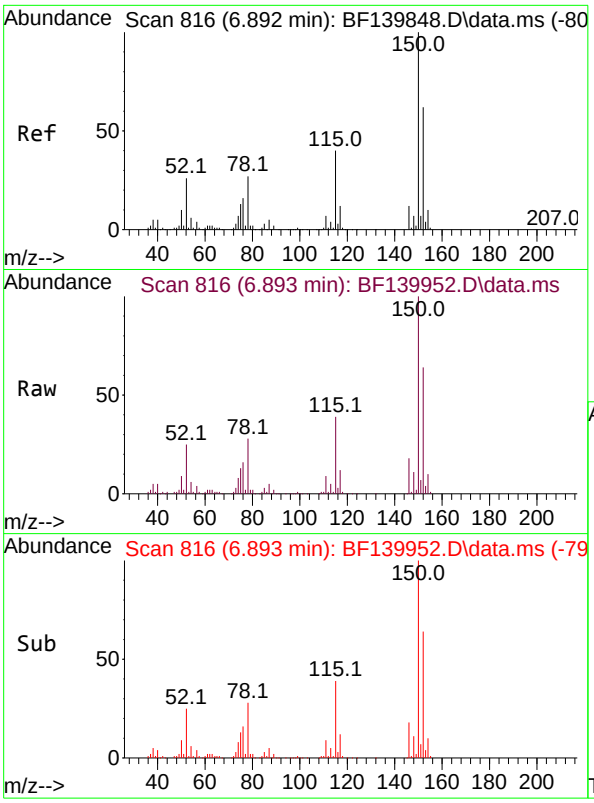
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QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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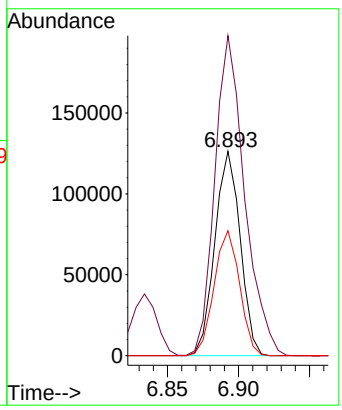




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:152 Resp: 15663

Ion	Ratio	Lower	Upper
152	100		
150	156.6	130.2	195.2
115	61.2	51.4	77.2



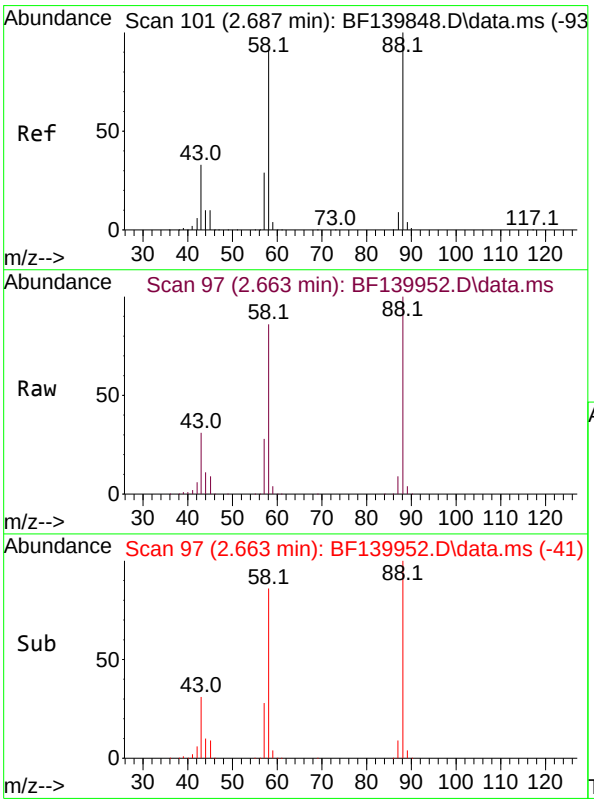
Instrument :
BNA_F
ClientSampleId :
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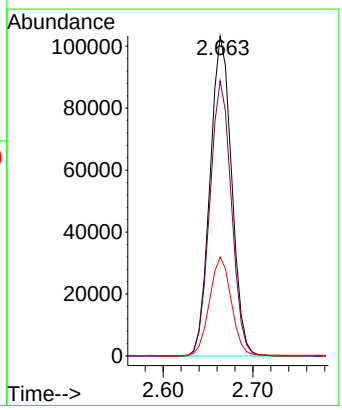
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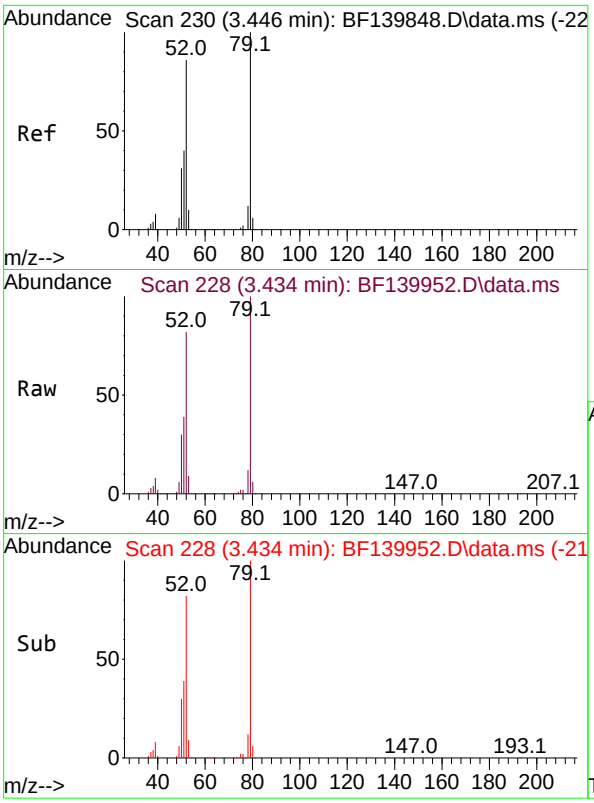


#2
1,4-Dioxane
Concen: 37.037 ng
RT: 2.663 min Scan# 97
Delta R.T. -0.023 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 88 Resp: 172780

Ion	Ratio	Lower	Upper
88	100		
58	86.0	73.3	109.9
43	31.6	27.1	40.7

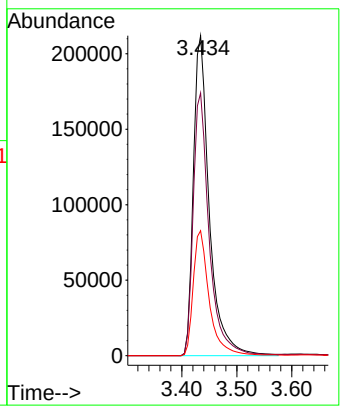




#3
Pyridine
Concen: 36.885 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 79 Resp: 42650

Ion	Ratio	Lower	Upper
79	100		
52	82.1	68.5	102.7
51	39.0	32.3	48.5



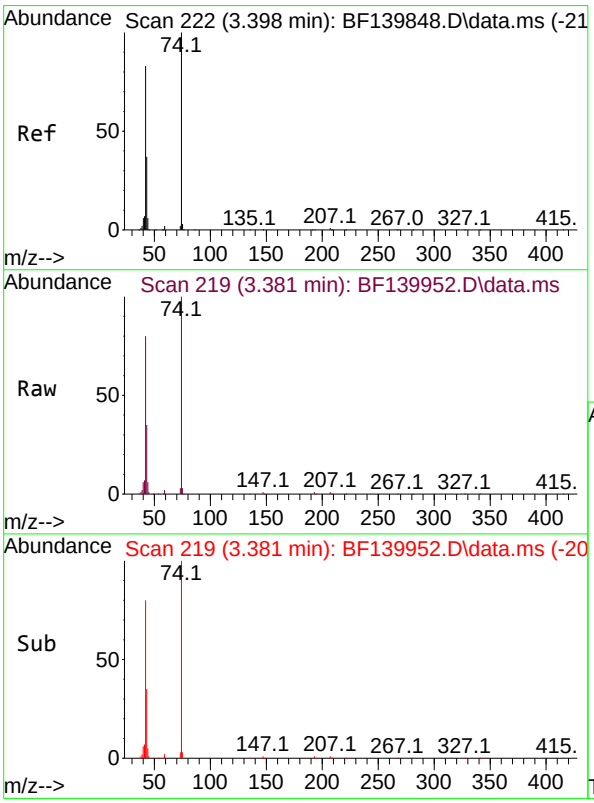
Instrument :
BNA_F
ClientSampleId :
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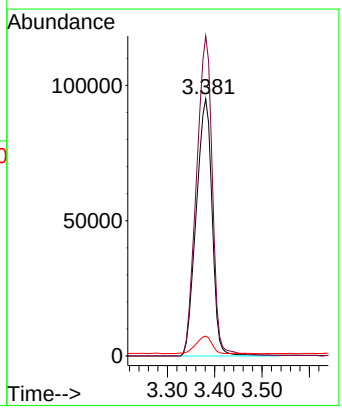
10/25/2024

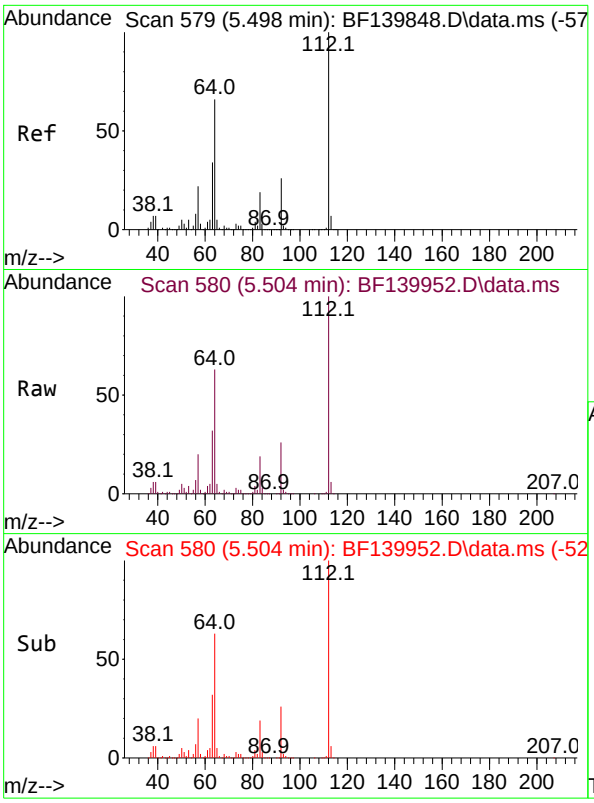


#4
n-Nitrosodimethylamine
Concen: 35.634 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.017 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 42 Resp: 221378

Ion	Ratio	Lower	Upper
42	100		
74	124.4	96.2	144.4
44	7.7	6.2	9.2

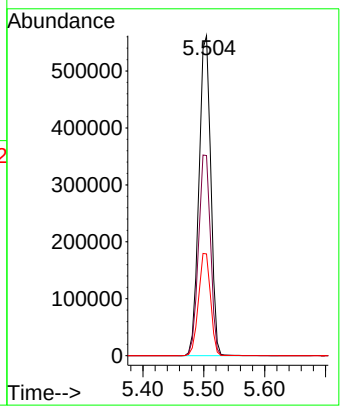




#5
2-Fluorophenol
Concen: 75.624 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:112 Resp: 75665

Ion	Ratio	Lower	Upper
112	100		
64	62.6	53.0	79.6
63	31.8	27.0	40.4



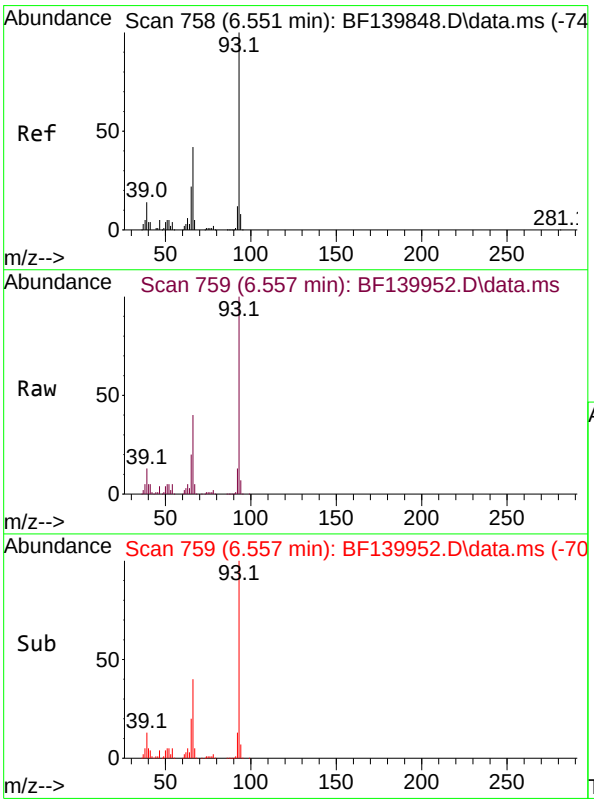
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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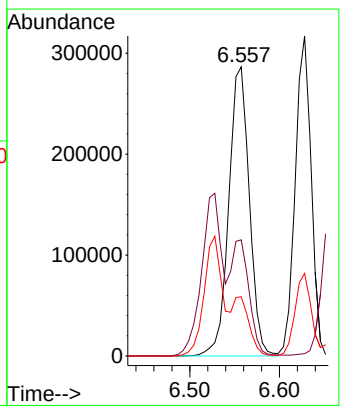
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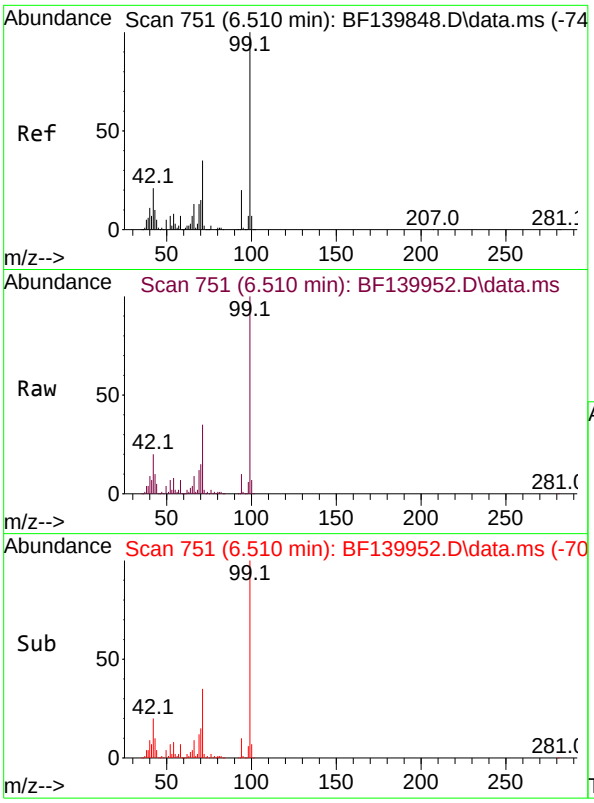


#6
Aniline
Concen: 37.791 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 93 Resp: 456412

Ion	Ratio	Lower	Upper
93	100		
66	40.2	34.0	51.0
65	20.5	17.4	26.0

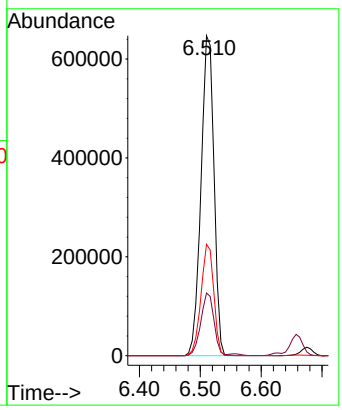




#7
Phenol-d6
Concen: 74.232 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 99 Resp: 96194

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.7	25.1
71	34.8	27.7	41.5



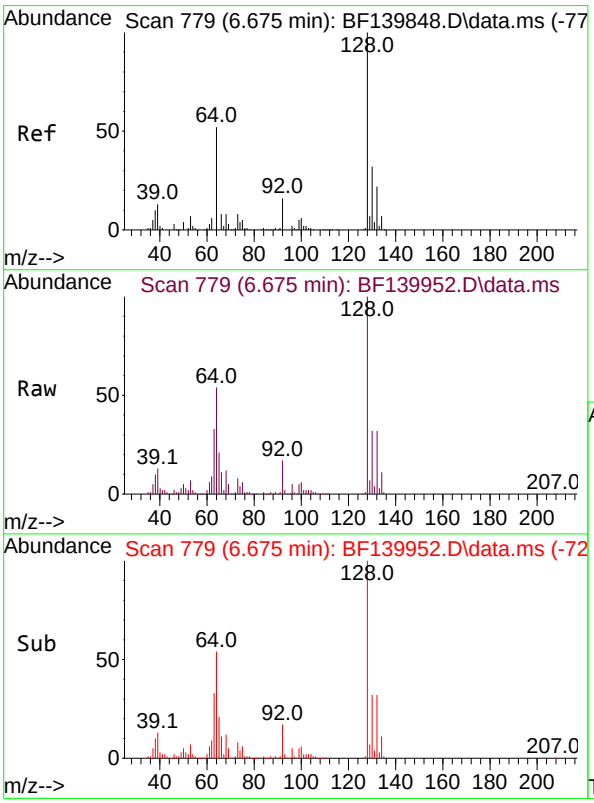
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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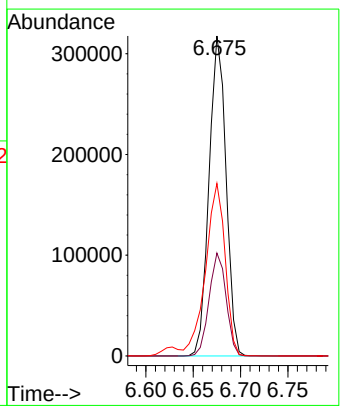
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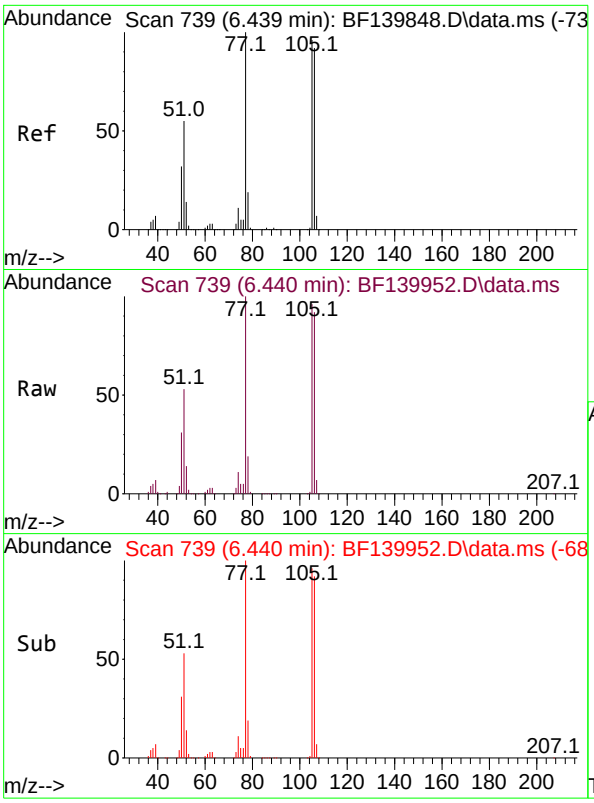


#8
2-Chlorophenol
Concen: 38.822 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:128 Resp: 397094

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.3	52.3
64	53.9	34.6	74.6

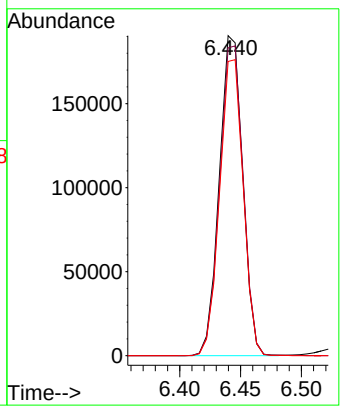




#9
Benzaldehyde
Concen: 34.967 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 77 Resp: 25490

Ion	Ratio	Lower	Upper
77	100		
105	96.2	75.5	115.5
106	92.0	71.7	111.7



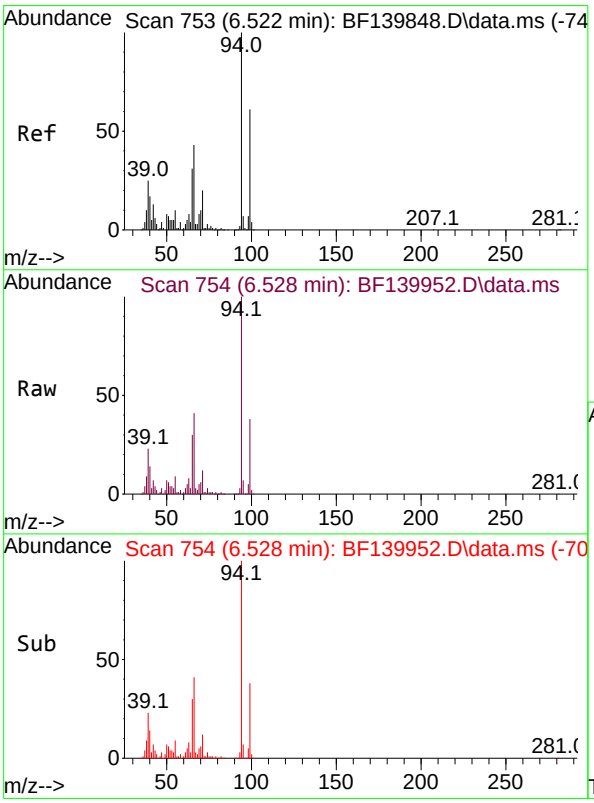
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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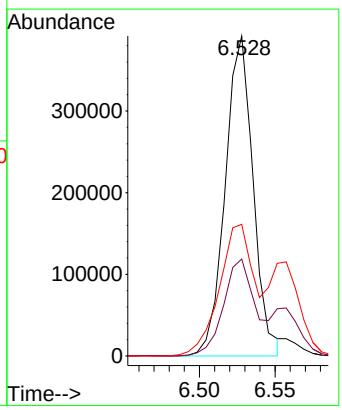
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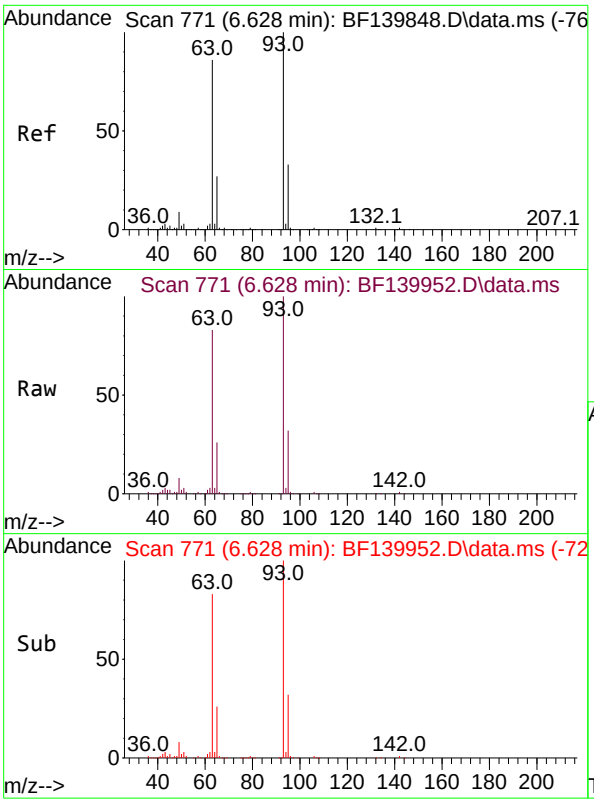


#10
Phenol
Concen: 37.690 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 94 Resp: 503534

Ion	Ratio	Lower	Upper
94	100		
65	30.3	11.1	51.1
66	41.1	22.7	62.7

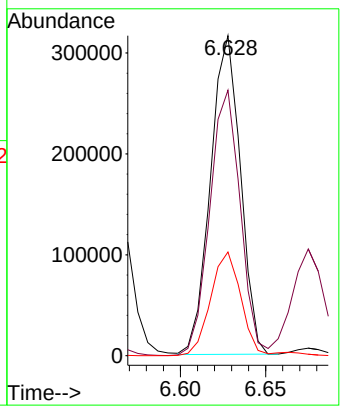




#11
bis(2-Chloroethyl)ether
Concen: 37.428 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 93 Resp: 38648

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.0	105.0
95	32.4	12.4	52.4



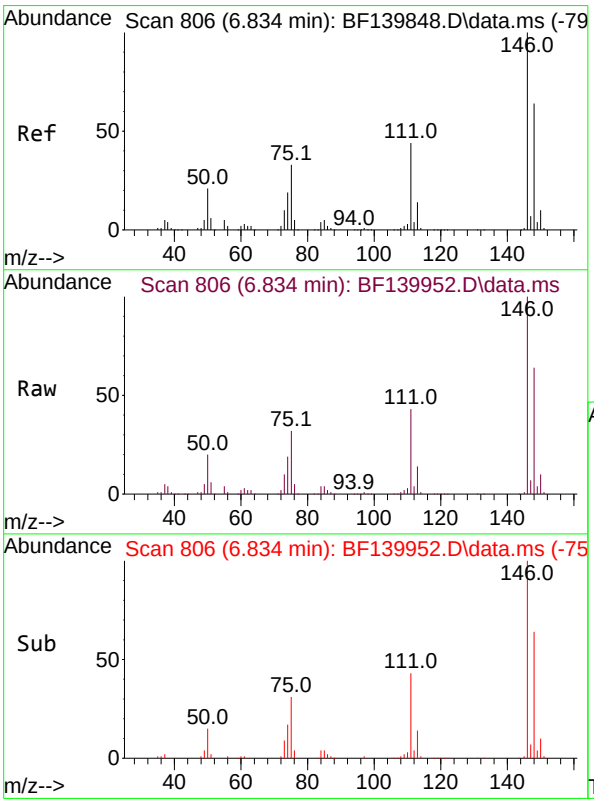
Instrument :
BNA_F
ClientSampleId :
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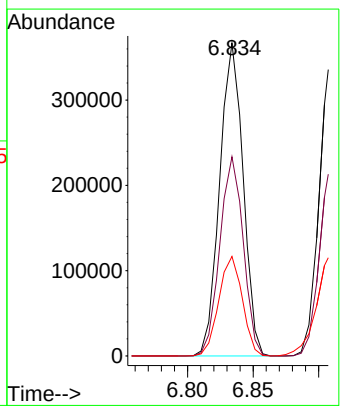
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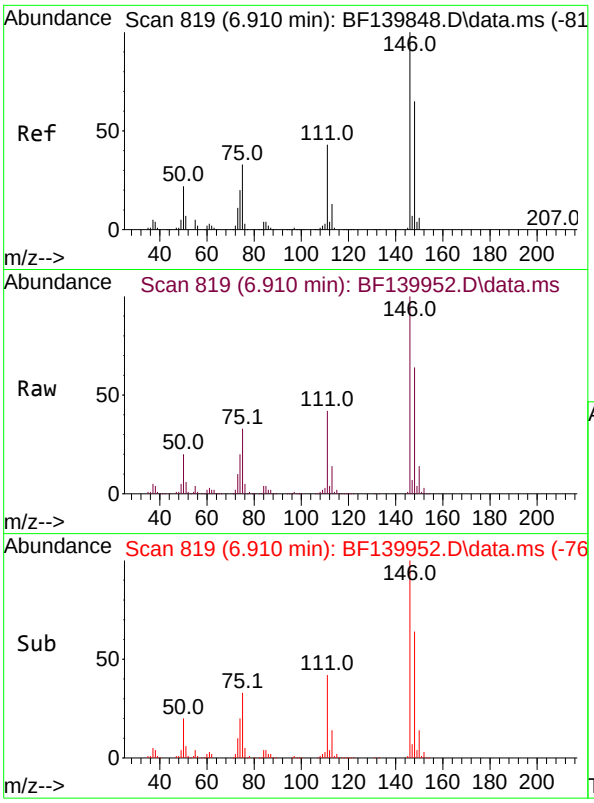


#12
1,3-Dichlorobenzene
Concen: 38.787 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:146 Resp: 455424

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	31.8	26.4	39.6

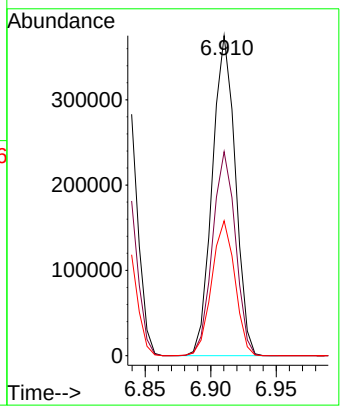




#13
1,4-Dichlorobenzene
Concen: 39.065 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:146 Resp: 45825

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.8
111	42.2	34.6	51.8



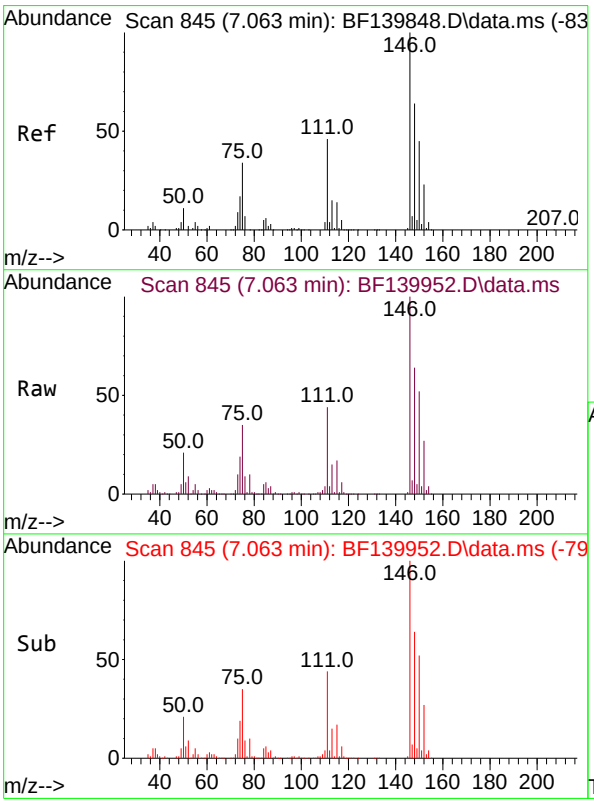
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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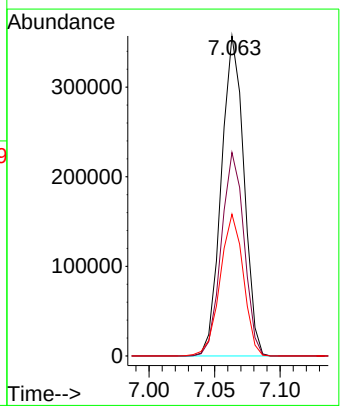
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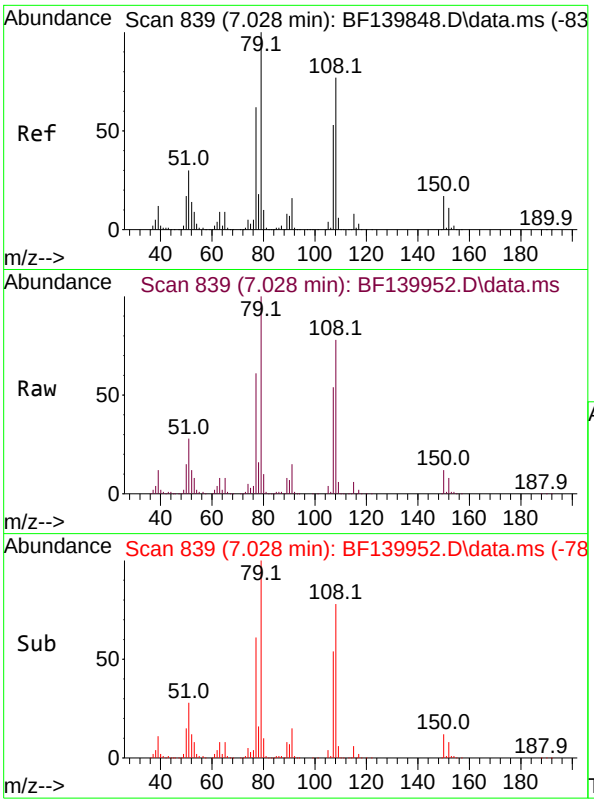


#14
1,2-Dichlorobenzene
Concen: 39.067 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:146 Resp: 427711

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	44.3	36.7	55.1





#15
Benzyl Alcohol
Concen: 37.958 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

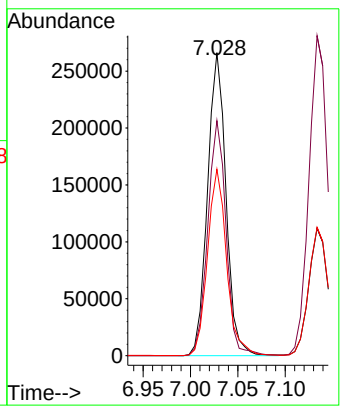
Tgt Ion: 79 Resp: 36081

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.4	92.0
77	61.5	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

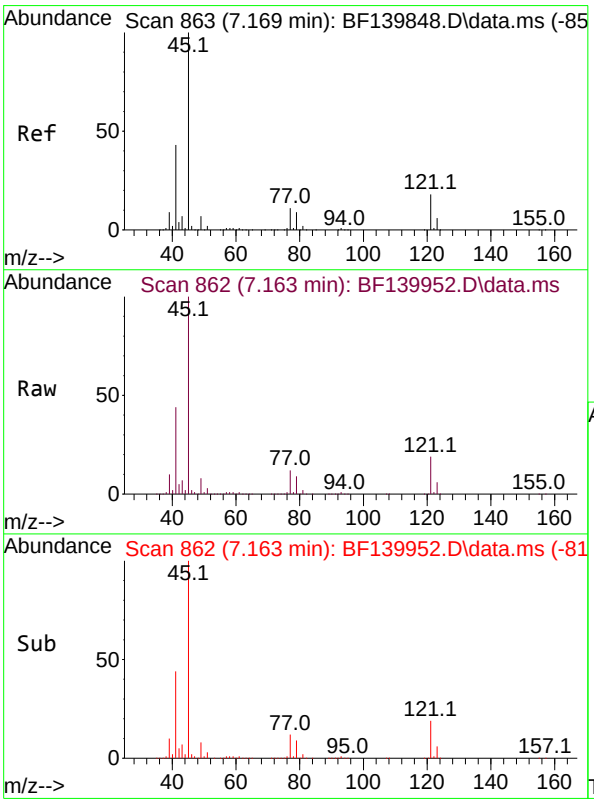
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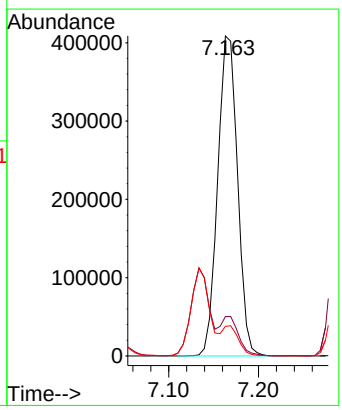
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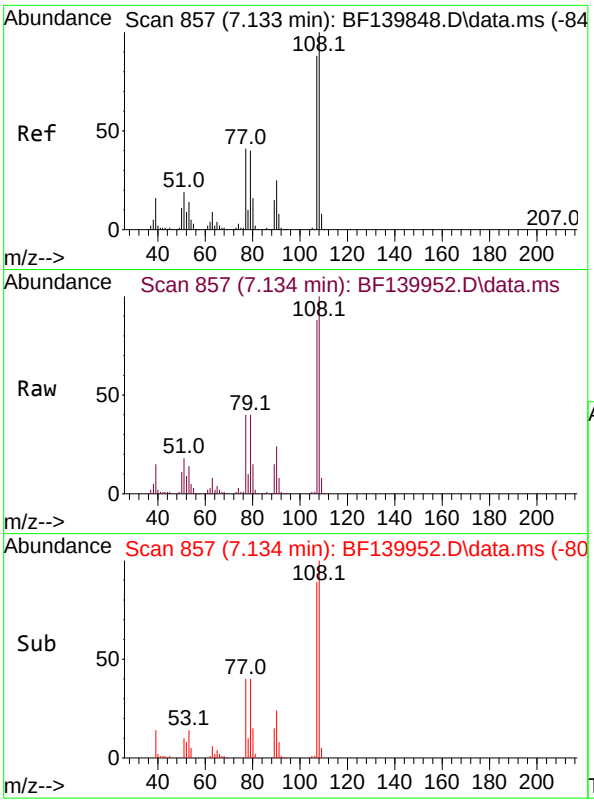


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.635 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 45 Resp: 627431

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.5
79	9.3	0.0	29.1

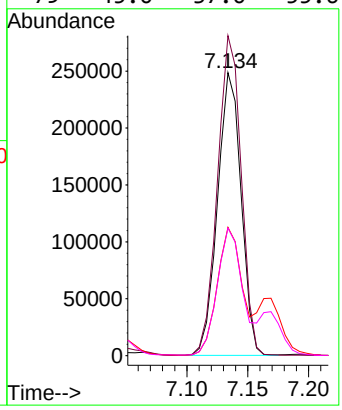




#17
2-Methylphenol
Concen: 38.376 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:107 Resp: 33471

Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.3	136.9
77	45.3	37.1	55.7
79	45.0	37.0	55.6



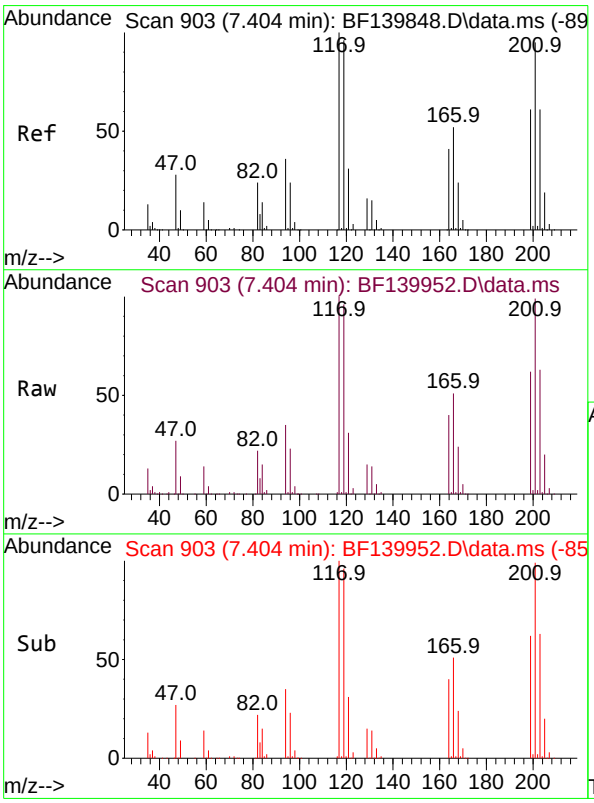
Instrument :
BNA_F
ClientSampleId :
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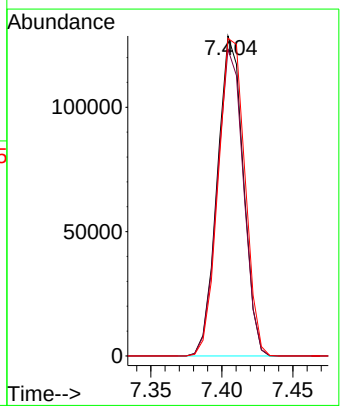
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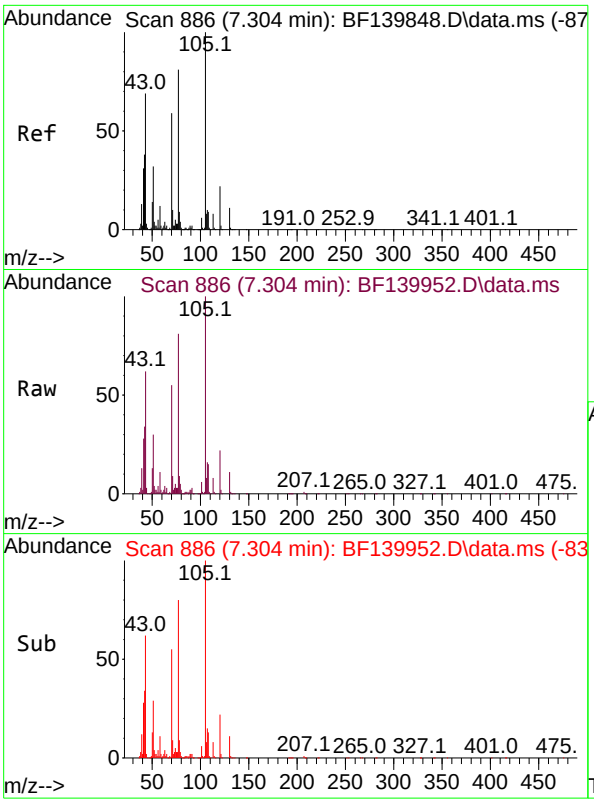


#18
Hexachloroethane
Concen: 39.057 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:117 Resp: 163379

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.4
201	99.2	76.2	114.4

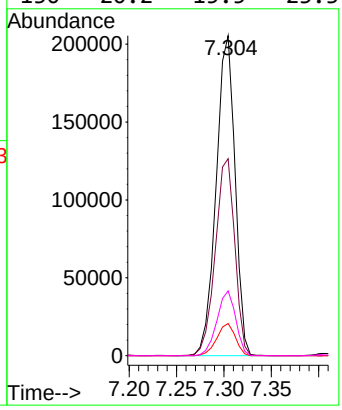




#19
n-Nitroso-di-n-propylamine
Concen: 36.267 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 70 Resp: 28503

Ion	Ratio	Lower	Upper
70	100		
42	61.6	51.5	77.3
101	10.1	7.5	11.3
130	20.2	15.5	23.3



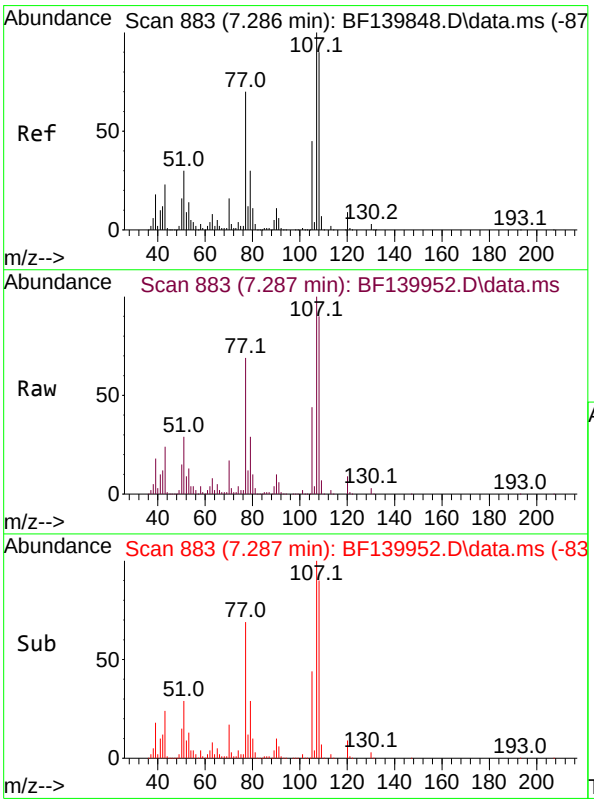
Instrument :
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ClientSampleId :
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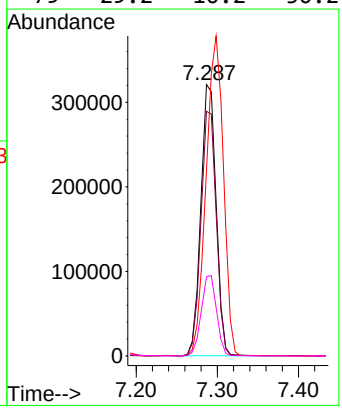
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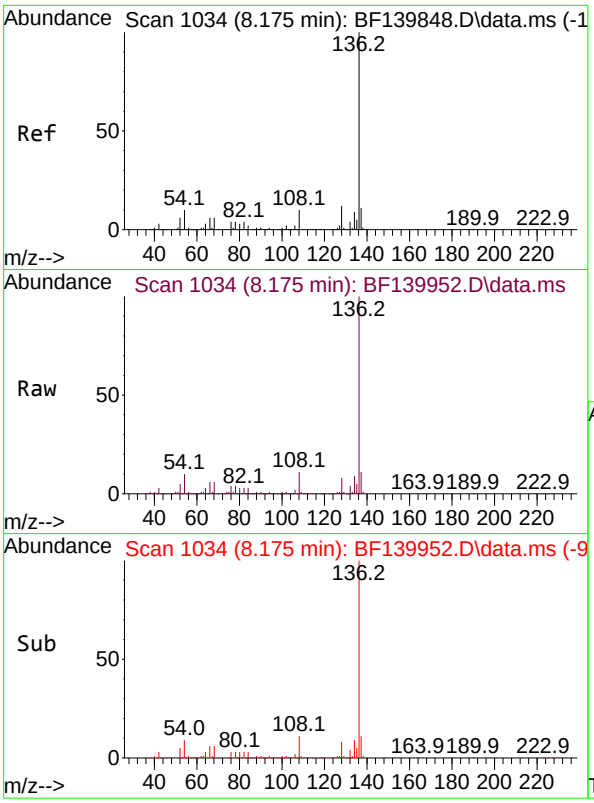


#20
3+4-Methylphenols
Concen: 37.569 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:107 Resp: 419114

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	68.6	50.5	90.5
79	29.2	10.2	50.2

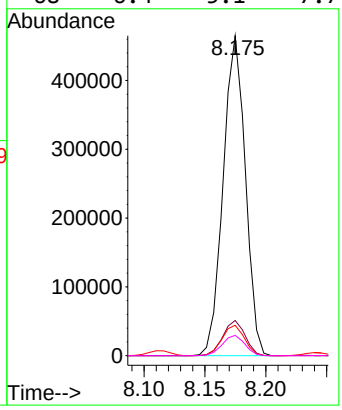




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:136 Resp: 59013(

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.5	8.4	12.6
68	6.4	5.1	7.7



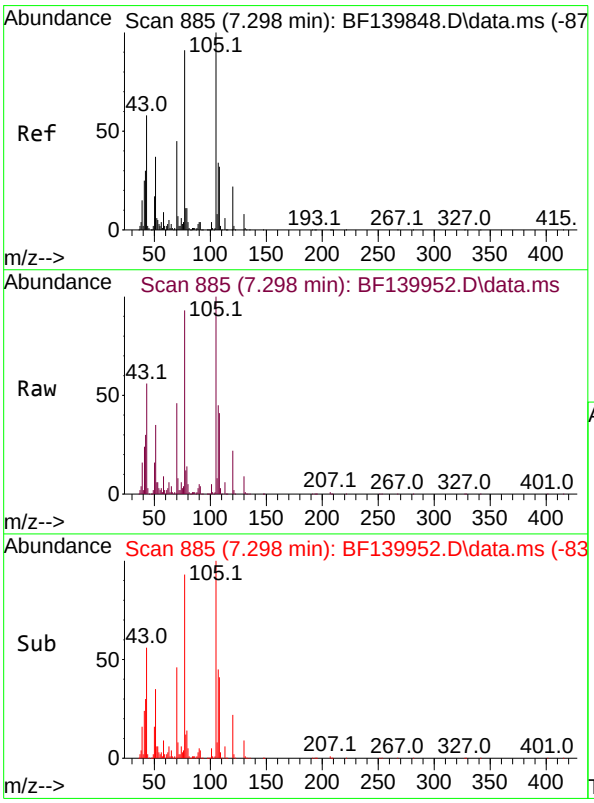
Instrument :
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ClientSampleId :
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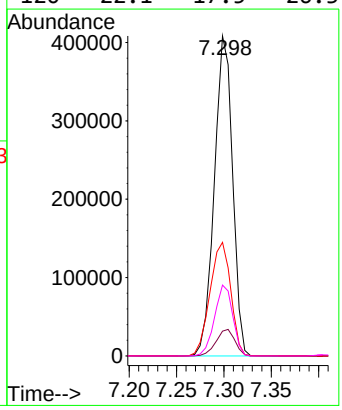
10/25/2024

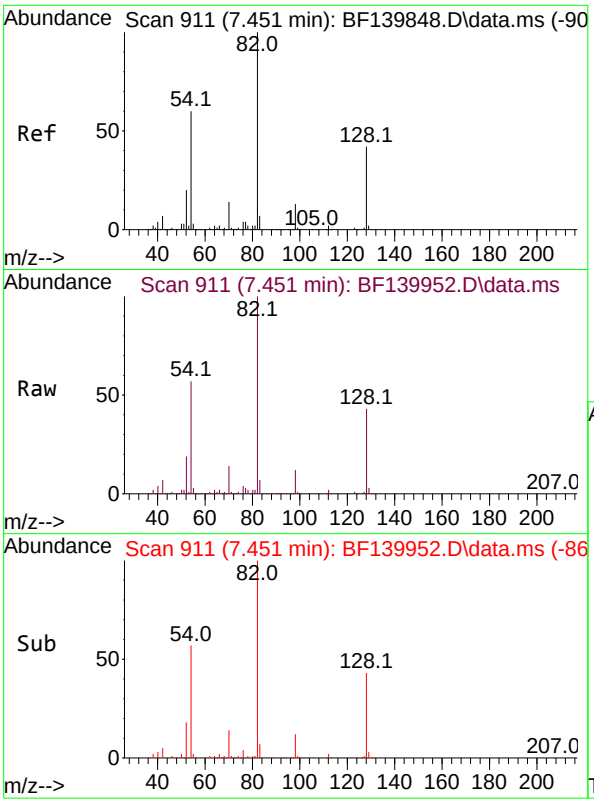


#22
Acetophenone
Concen: 37.892 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:105 Resp: 547698

Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.9	8.9
51	35.5	29.4	44.2
120	22.1	17.5	26.3





#23
Nitrobenzene-d5
Concen: 81.286 ng
RT: 7.451 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

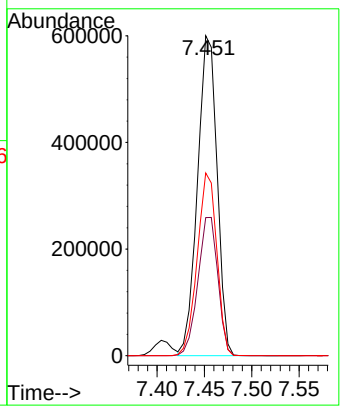
Tgt Ion: 82 Resp: 86550

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.4	50.0
54	57.1	47.8	71.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

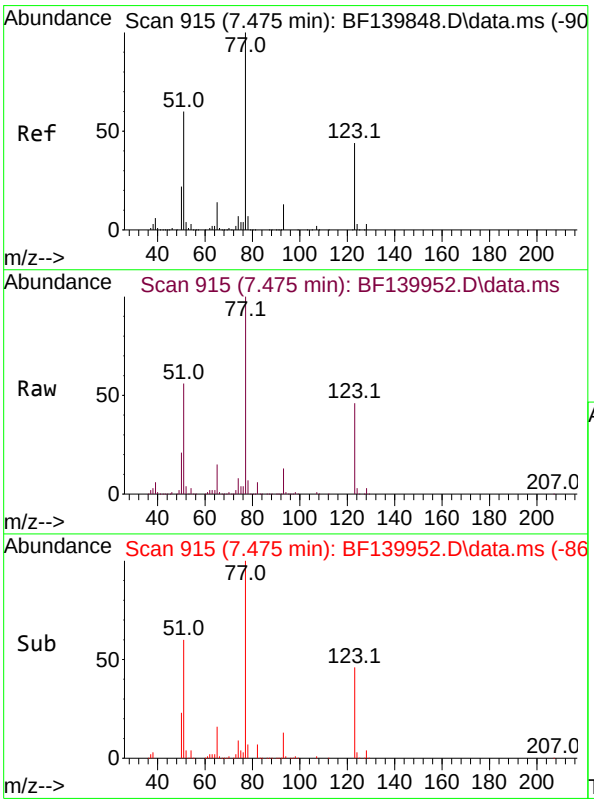
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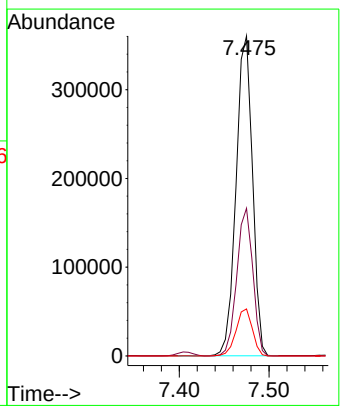
10/25/2024

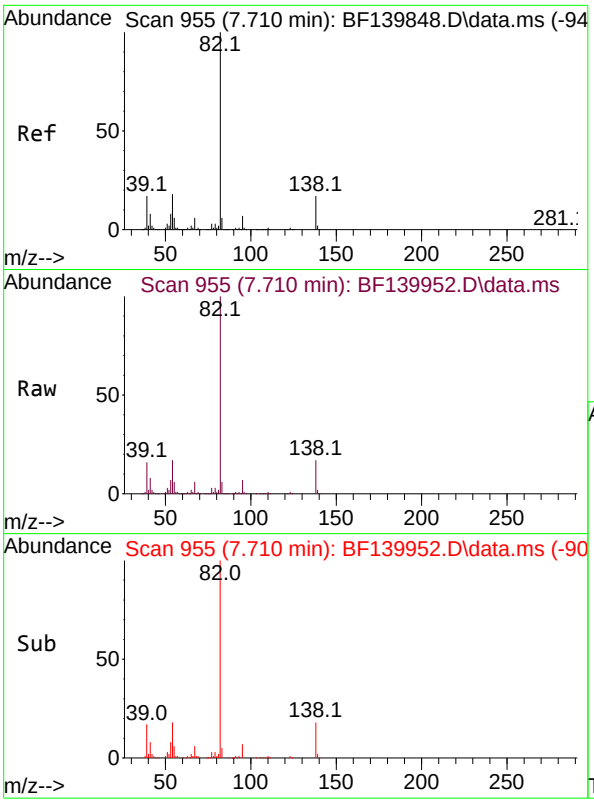


#24
Nitrobenzene
Concen: 39.191 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 77 Resp: 457518

Ion	Ratio	Lower	Upper
77	100		
123	46.2	35.7	53.5
65	14.7	11.5	17.3

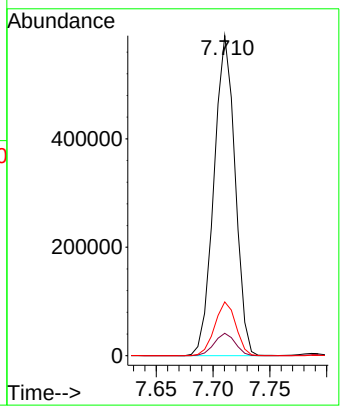




#25
Isophorone
Concen: 37.861 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 82 Resp: 76514

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	16.8	13.2	19.8



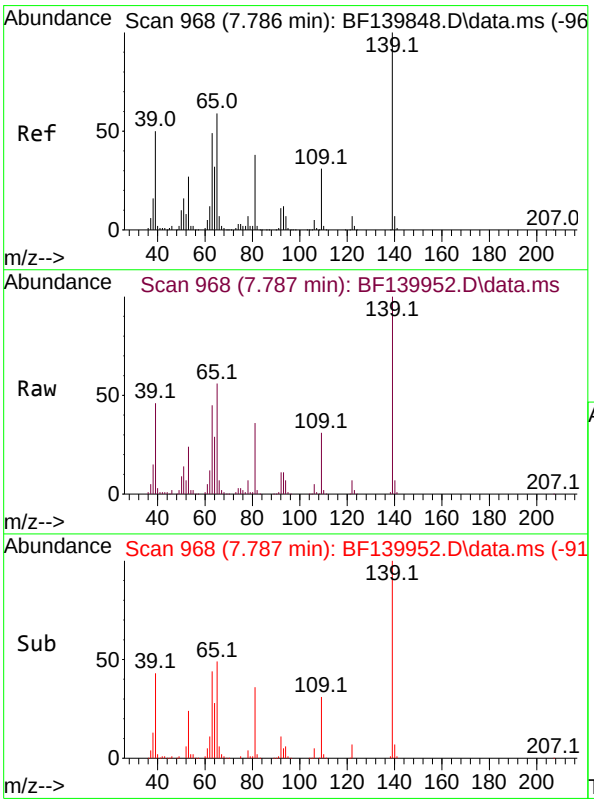
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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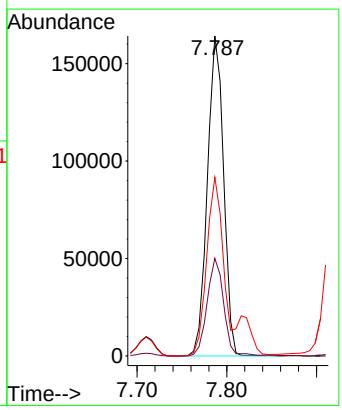
10/25/2024

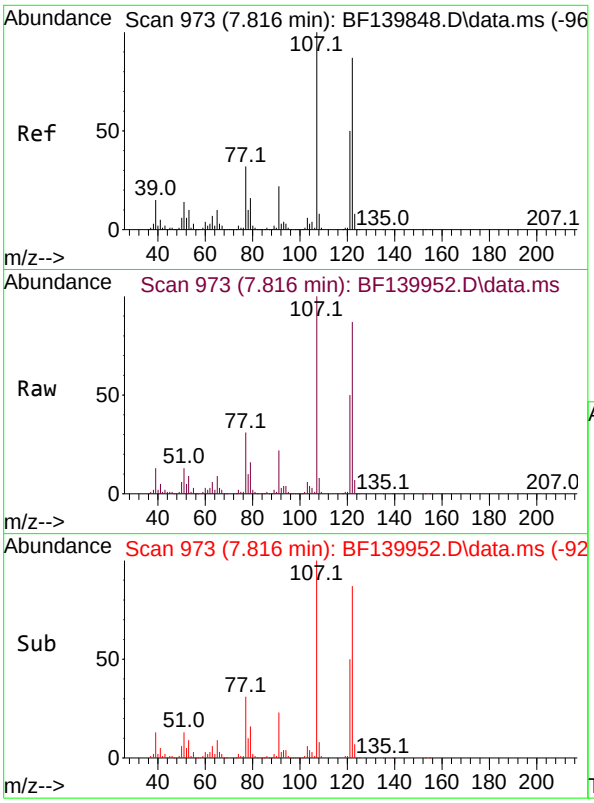


#26
2-Nitrophenol
Concen: 46.760 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:139 Resp: 205936

Ion	Ratio	Lower	Upper
139	100		
109	30.5	25.1	37.7
65	55.8	47.5	71.3

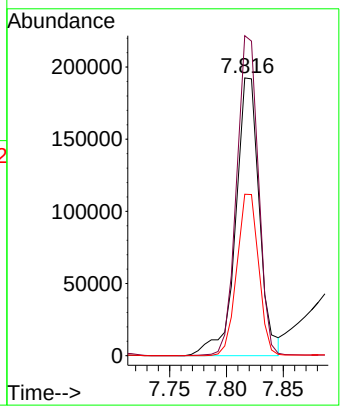




#27
2,4-Dimethylphenol
Concen: 37.893 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:122 Resp: 27826

Ion	Ratio	Lower	Upper
122	100		
107	115.2	91.9	137.9
121	58.1	46.2	69.4



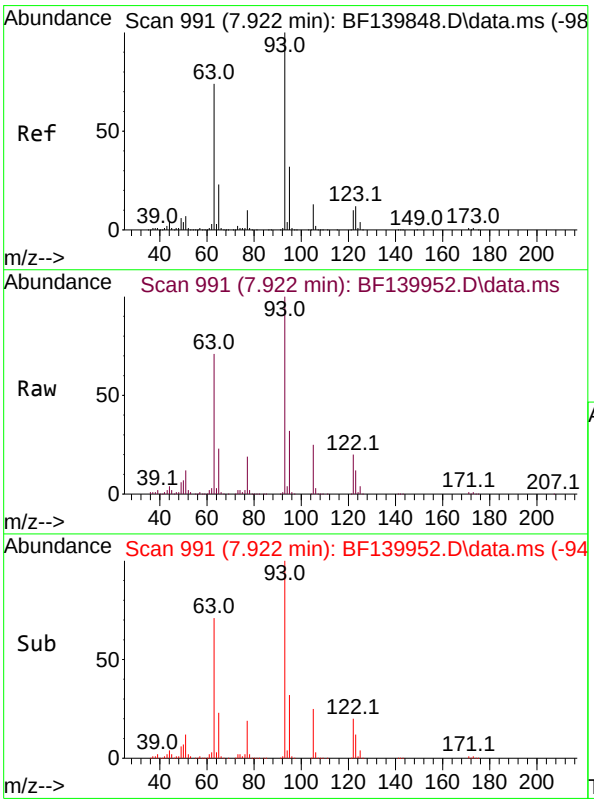
Instrument :
BNA_F
ClientSampleId :
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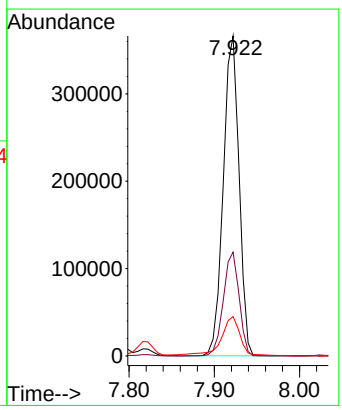
10/25/2024

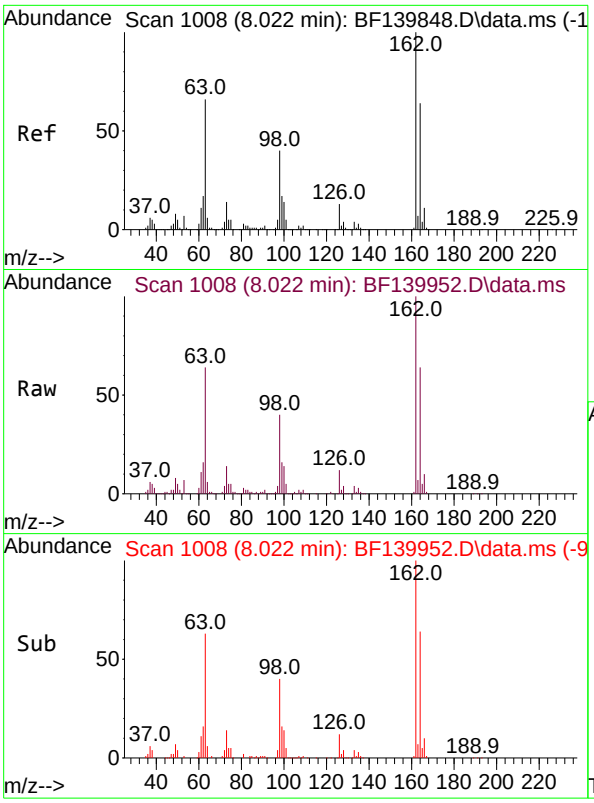


#28
bis(2-Chloroethoxy)methane
Concen: 38.381 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 93 Resp: 469945

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	12.3	9.8	14.8





#29
2,4-Dichlorophenol
Concen: 39.566 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

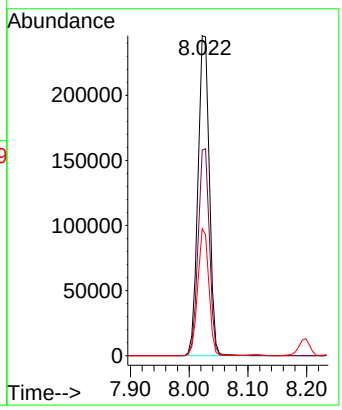
Tgt Ion:162 Resp: 33094

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.9	83.9
98	39.7	19.9	59.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

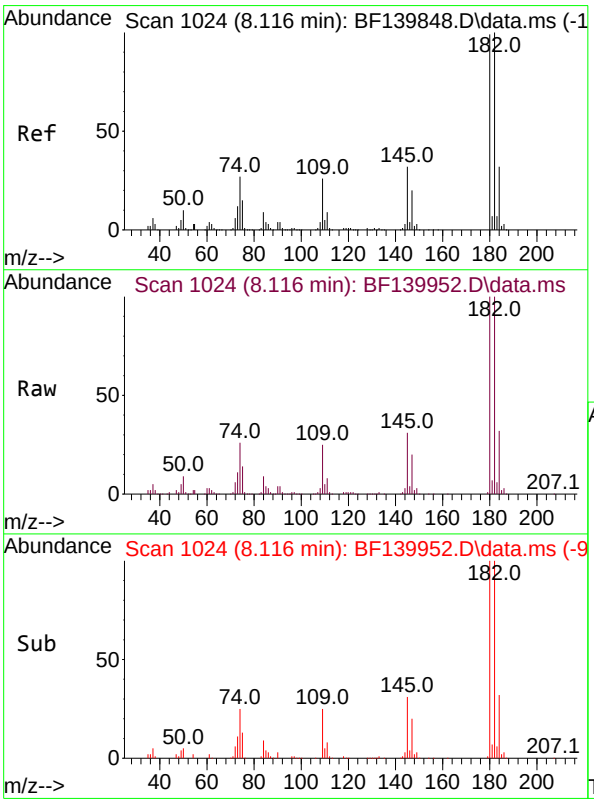
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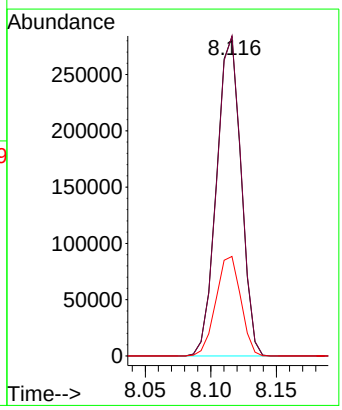
10/25/2024

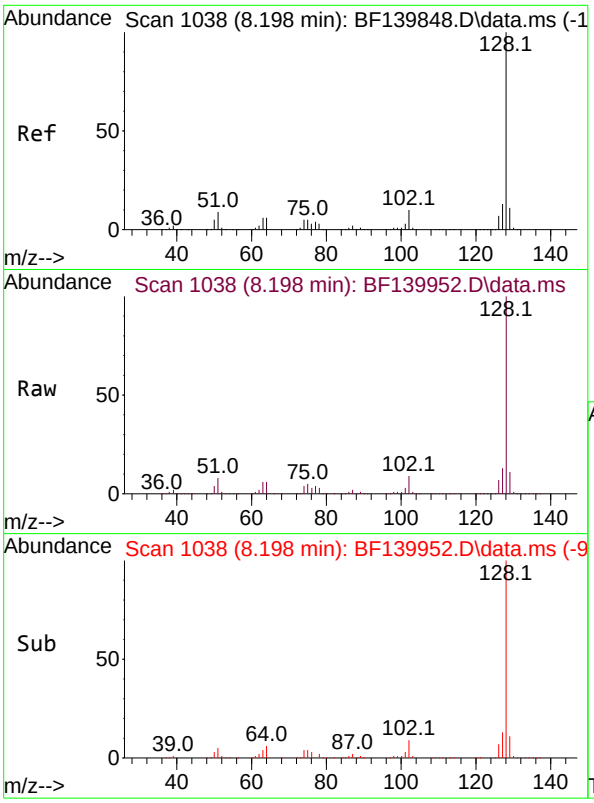


#30
1,2,4-Trichlorobenzene
Concen: 39.781 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:180 Resp: 368190

Ion	Ratio	Lower	Upper
180	100		
182	100.3	80.5	120.7
145	31.2	25.4	38.0





#31
Naphthalene
Concen: 39.095 ng
RT: 8.198 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

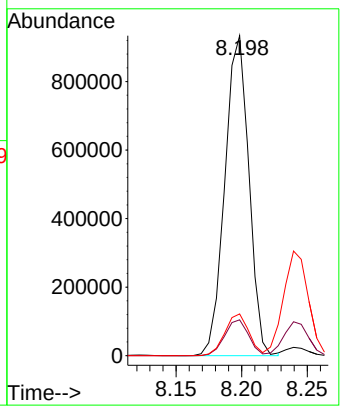
Tgt Ion:128 Resp: 118987(

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

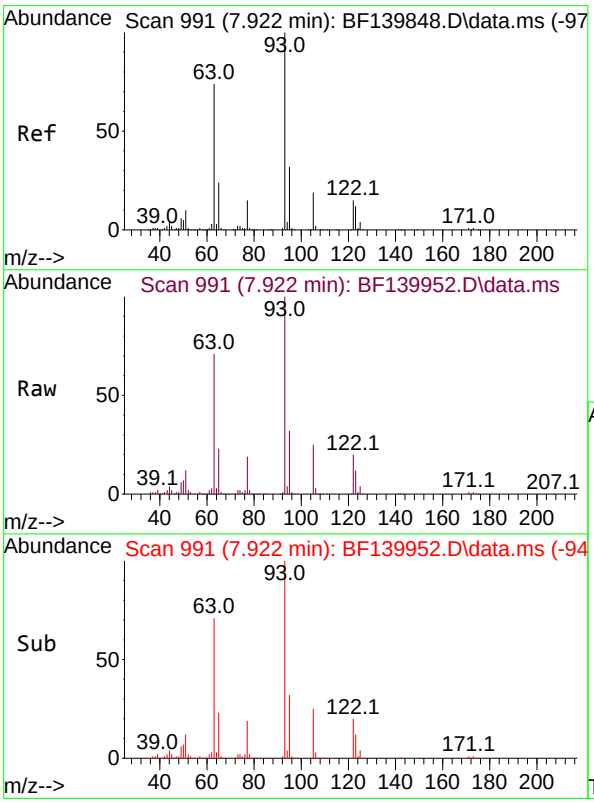
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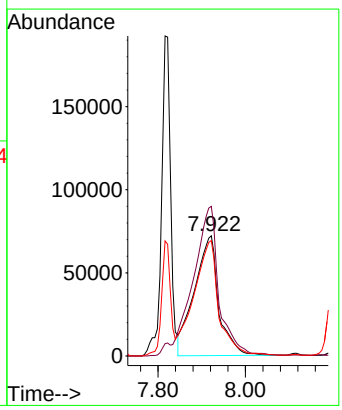
10/25/2024

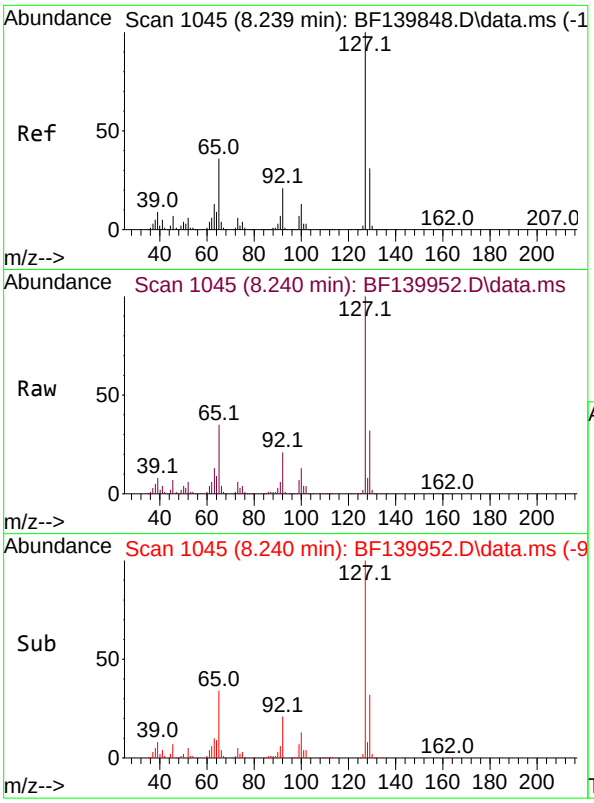


#32
Benzoic acid
Concen: 43.797 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:122 Resp: 280518

Ion	Ratio	Lower	Upper
122	100		
105	124.5	107.6	147.6
77	96.1	80.2	120.2

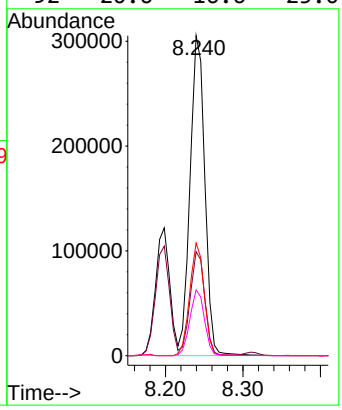




#33
4-Chloroaniline
Concen: 38.873 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:127 Resp: 40342

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	35.2	28.4	42.6
92	20.6	16.6	25.0



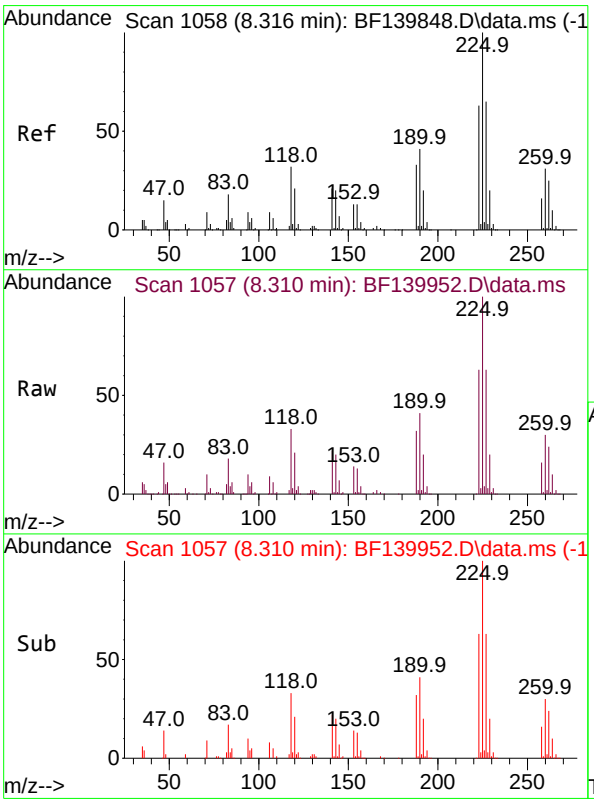
Instrument :
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ClientSampleId :
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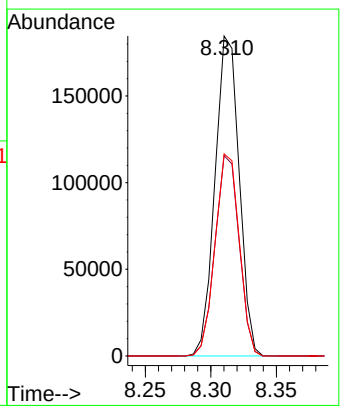
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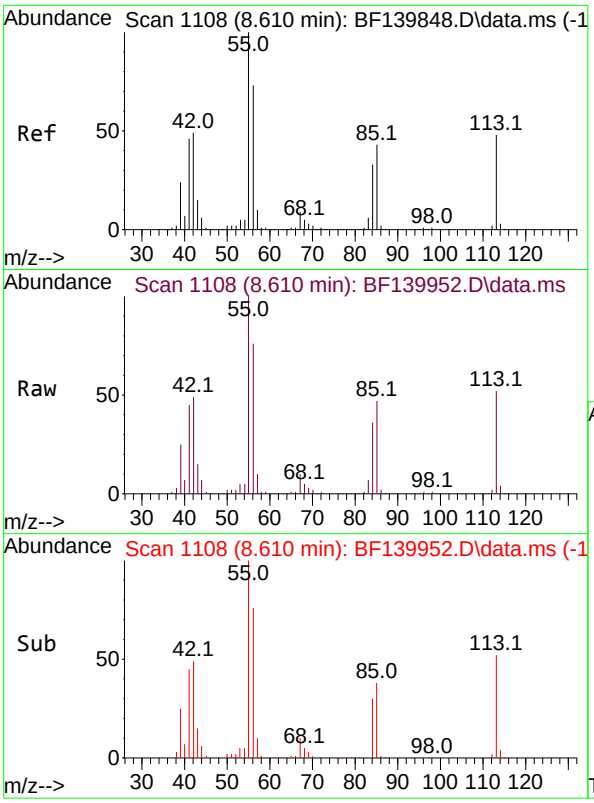


#34
Hexachlorobutadiene
Concen: 40.658 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:225 Resp: 236438

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	63.1	51.8	77.8





#35
Caprolactam
Concen: 40.120 ng
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

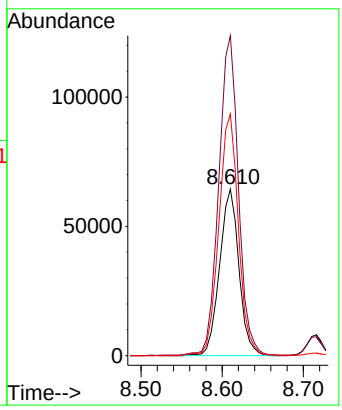
Tgt Ion:113 Resp: 10670

Ion	Ratio	Lower	Upper
113	100		
55	192.1	189.2	229.2
56	145.1	132.5	172.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

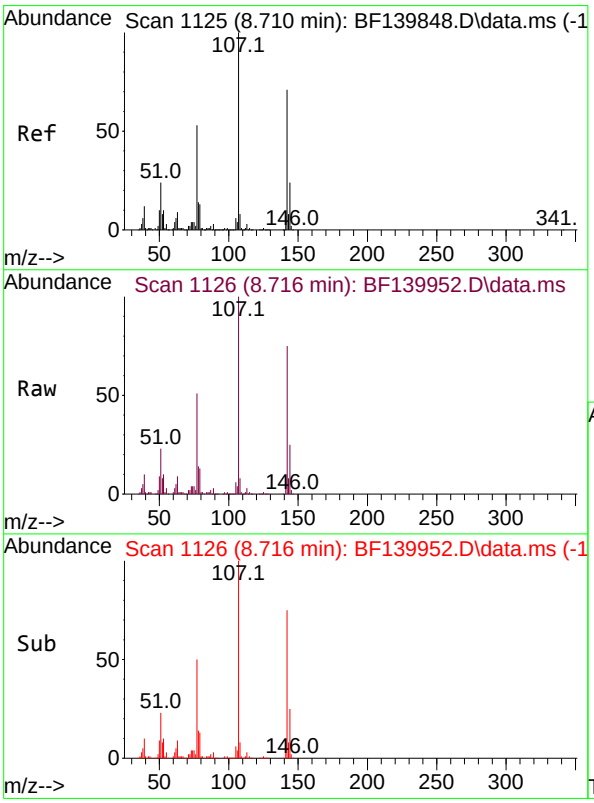
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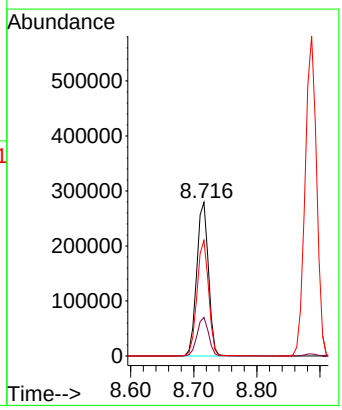
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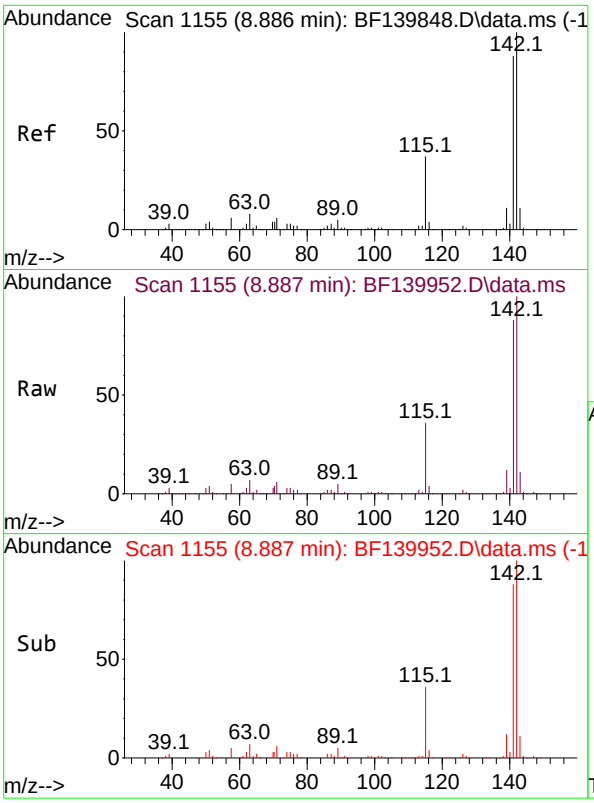


#36
4-Chloro-3-methylphenol
Concen: 38.812 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:107 Resp: 359470

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.1	28.7
142	75.3	57.2	85.8





#37
2-Methylnaphthalene
Concen: 39.227 ng
RT: 8.887 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

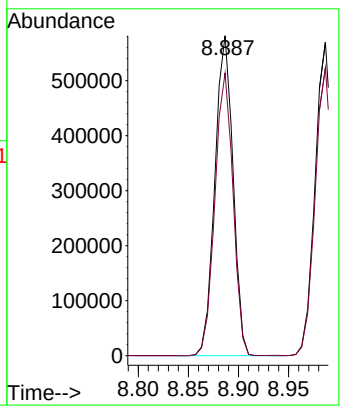
Tgt Ion:142 Resp: 73119

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

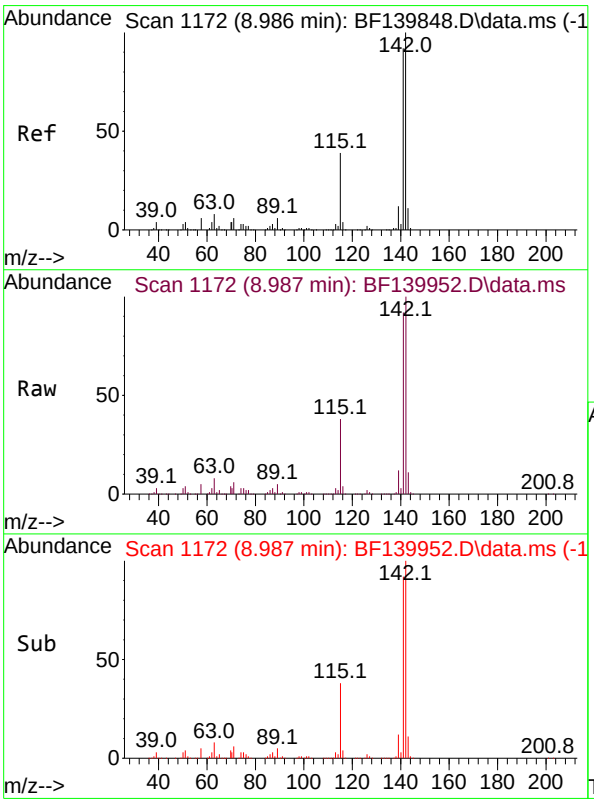
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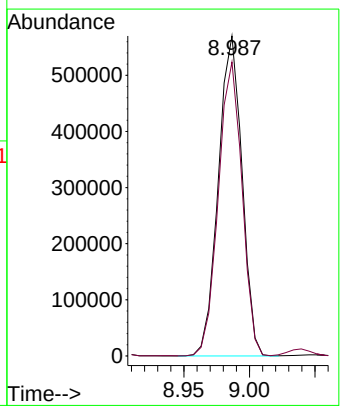
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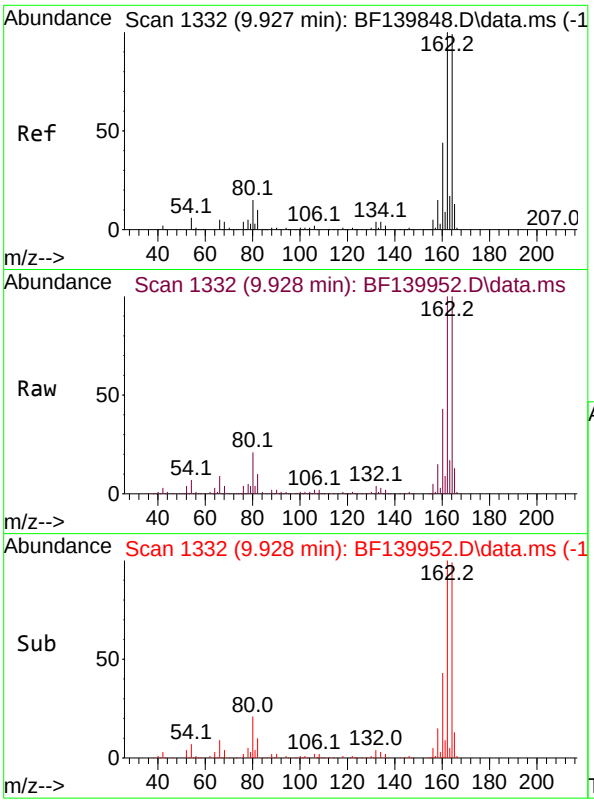


#38
1-Methylnaphthalene
Concen: 39.120 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:142 Resp: 715426

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.5	110.3

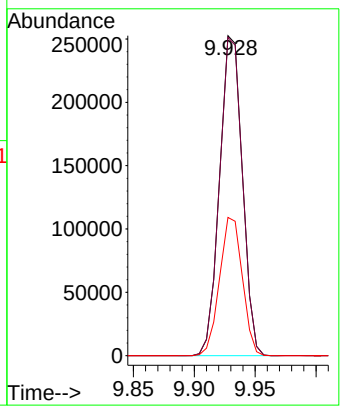




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:164 Resp: 32915

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.0	121.4
160	43.2	35.4	53.0



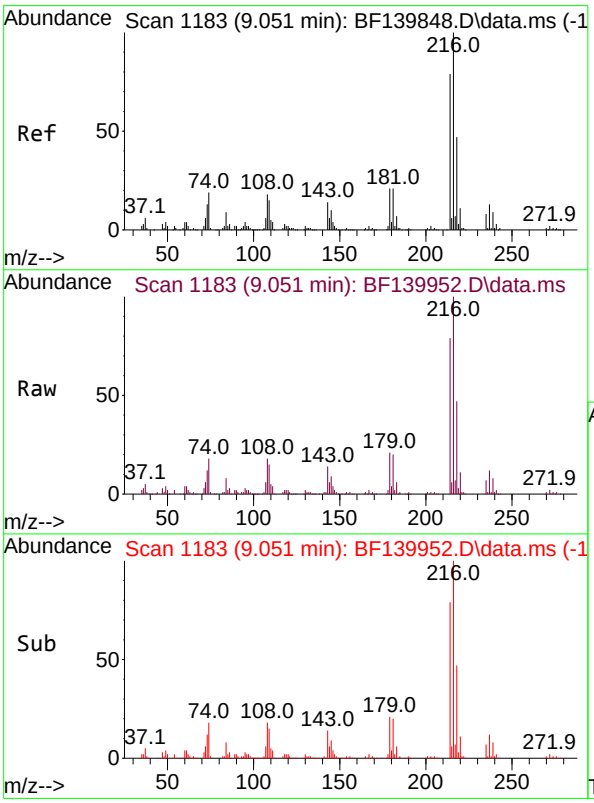
Instrument :
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ClientSampleId :
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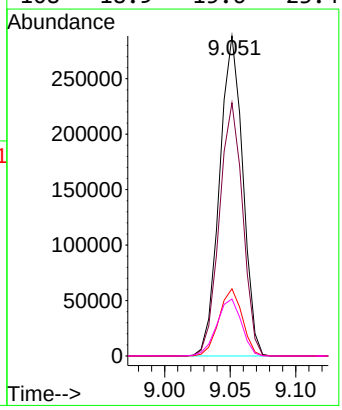
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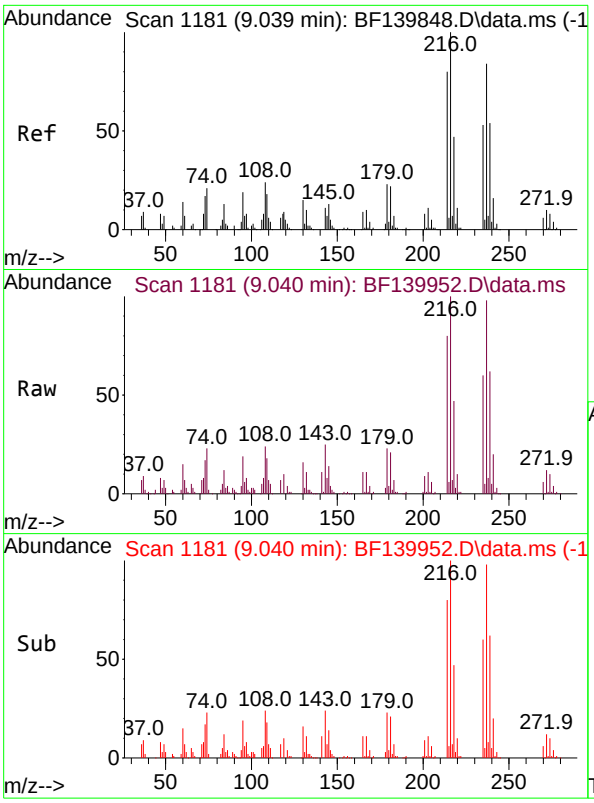


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.075 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:216 Resp: 355865

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.4	95.0
179	21.0	17.2	25.8
108	18.9	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 43.472 ng
RT: 9.040 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

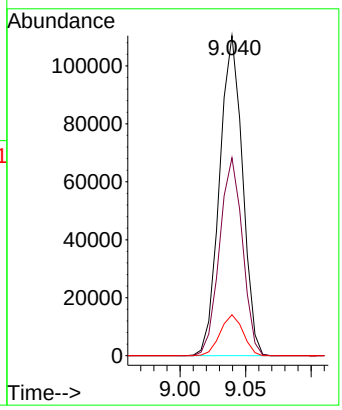
Tgt Ion:237 Resp: 13432

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.9	82.9
272	12.8	0.0	32.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

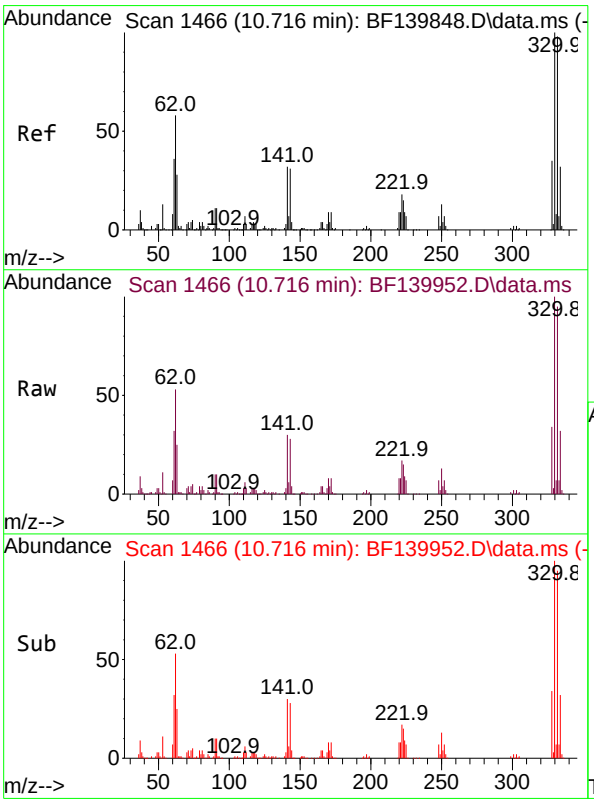
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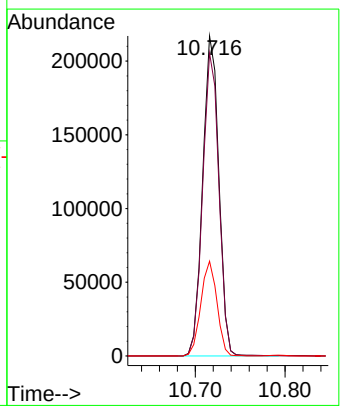
10/25/2024

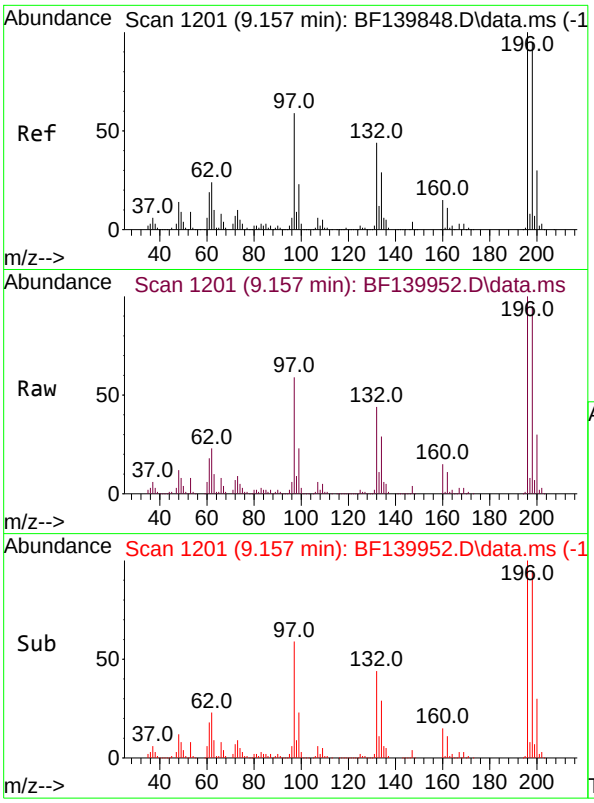


#42
2,4,6-Tribromophenol
Concen: 88.103 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:330 Resp: 271250

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.1	117.1
141	29.4	26.6	39.8

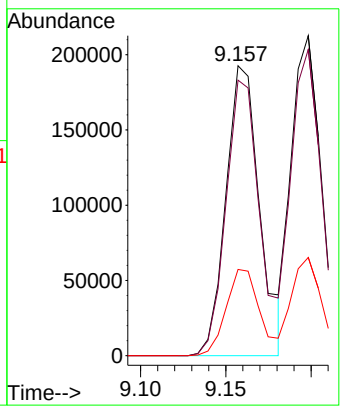




#43
2,4,6-Trichlorophenol
Concen: 42.153 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:196 Resp: 26501

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.2	114.2
200	29.8	24.0	36.0



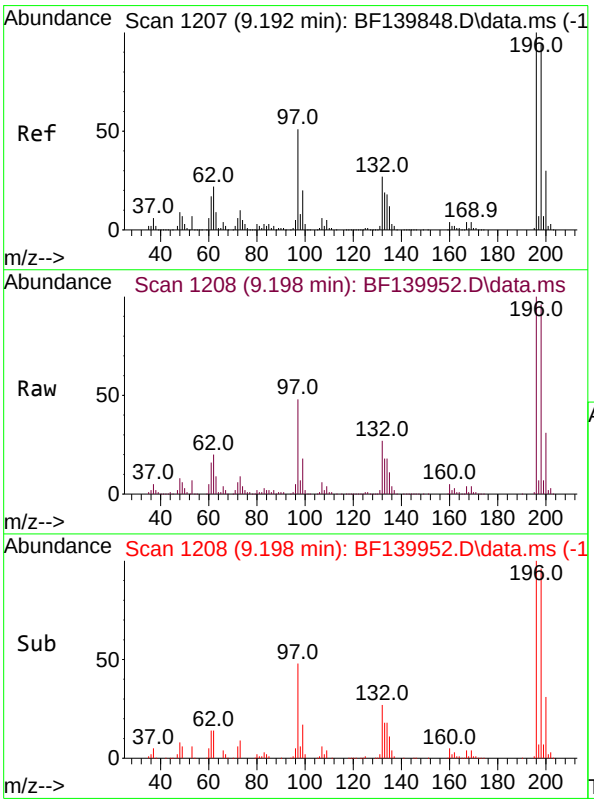
Instrument :
BNA_F
ClientSampleId :
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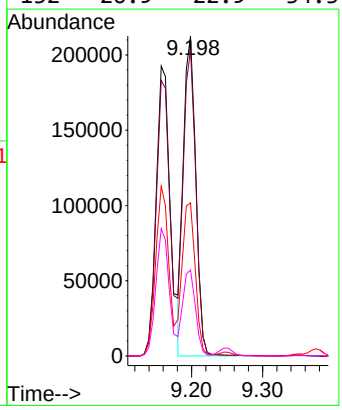
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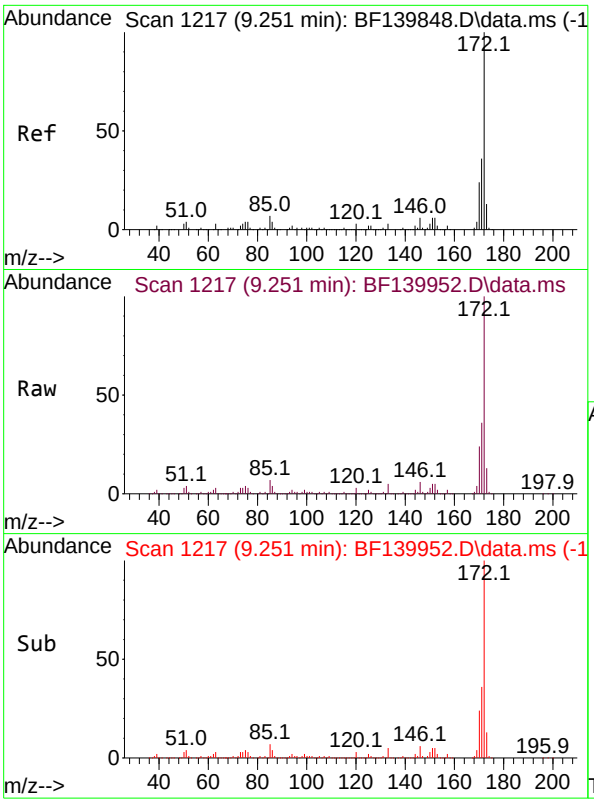


#44
2,4,5-Trichlorophenol
Concen: 39.859 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:196 Resp: 258543

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.8	113.6
97	47.8	41.8	62.6
132	26.9	22.9	34.3

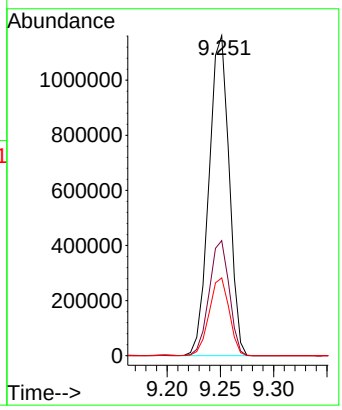




#45
2-Fluorobiphenyl
Concen: 76.849 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:172 Resp: 153054

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.3	19.1	28.7



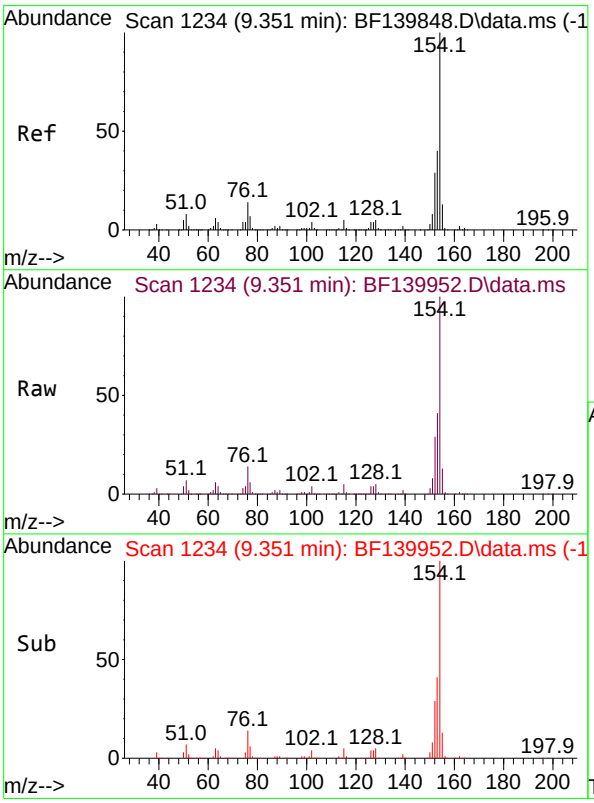
Instrument :
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ClientSampleId :
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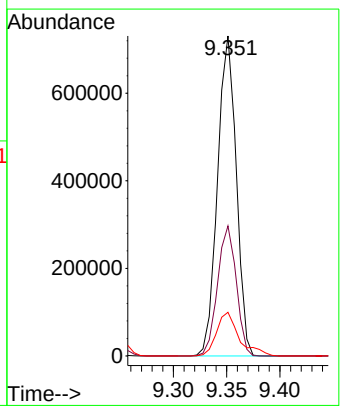
10/25/2024

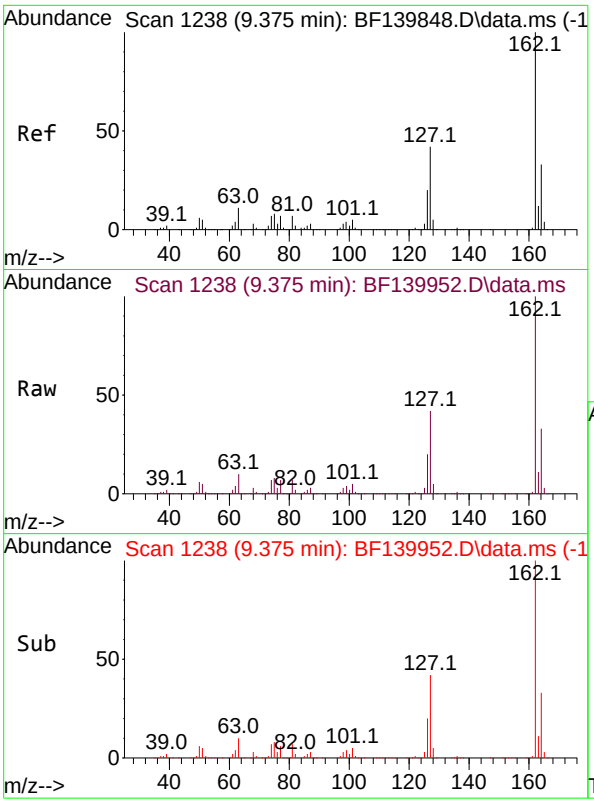


#46
1,1'-Biphenyl
Concen: 38.918 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:154 Resp: 891770

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.6	0.0	33.9

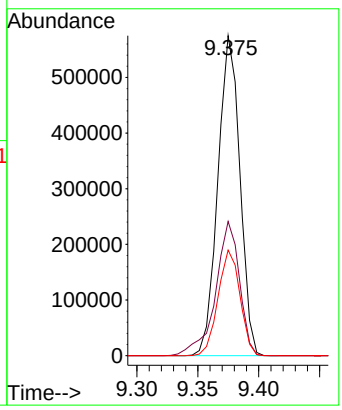




#47
2-Chloronaphthalene
Concen: 39.181 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:162 Resp: 72309

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.8	50.6
164	33.0	26.6	39.8



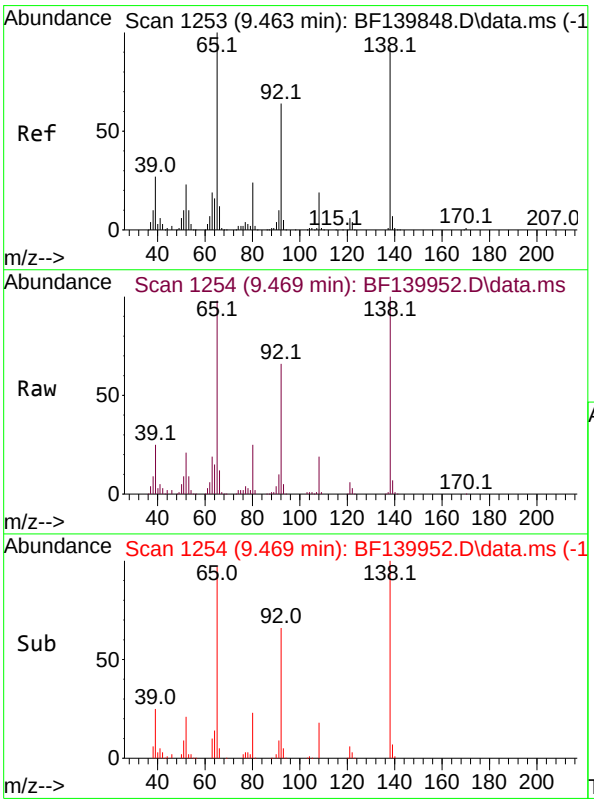
Instrument :
BNA_F
ClientSampleId :
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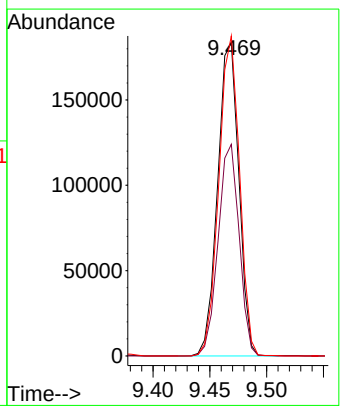
10/25/2024

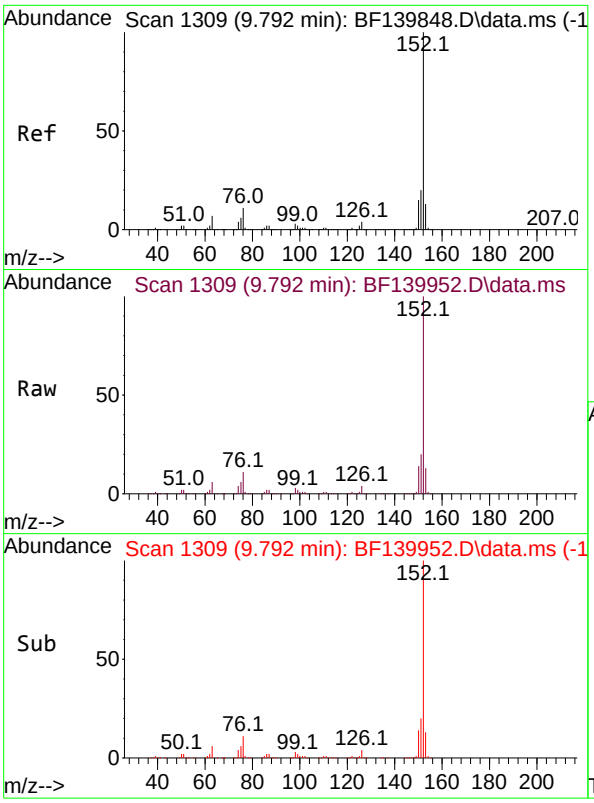


#48
2-Nitroaniline
Concen: 42.300 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 65 Resp: 238757

Ion	Ratio	Lower	Upper
65	100		
92	67.5	50.9	76.3
138	102.0	73.4	110.0

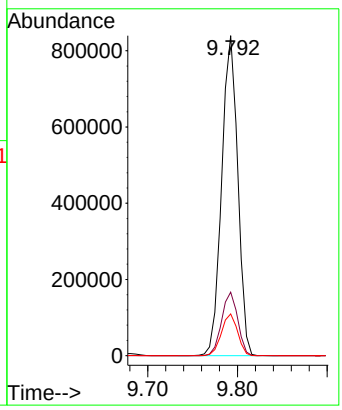




#49
Acenaphthylene
Concen: 39.200 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:152 Resp: 104588

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.7	16.1



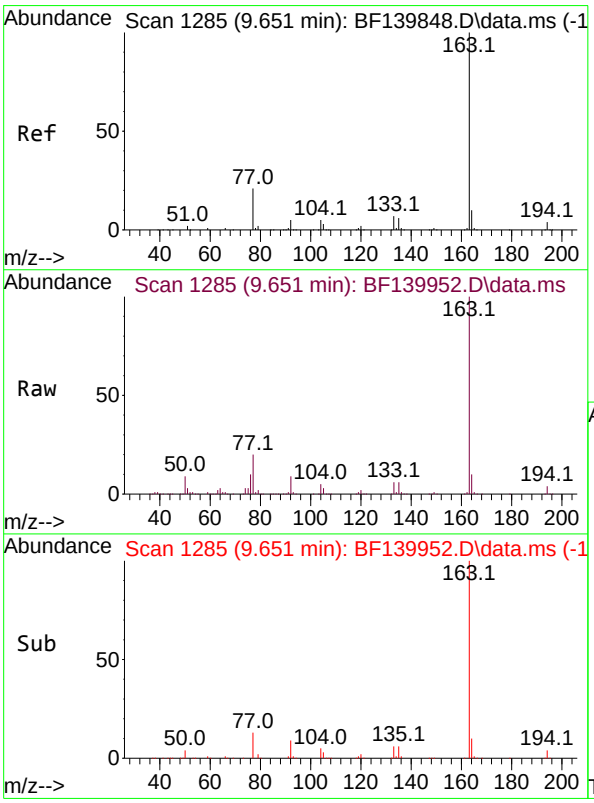
Instrument :
BNA_F
ClientSampleId :
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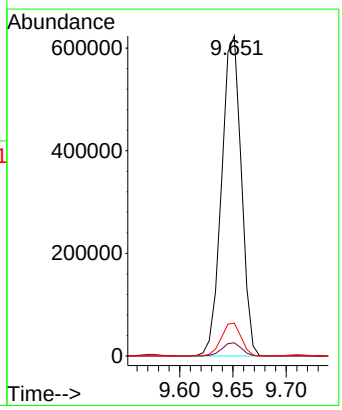
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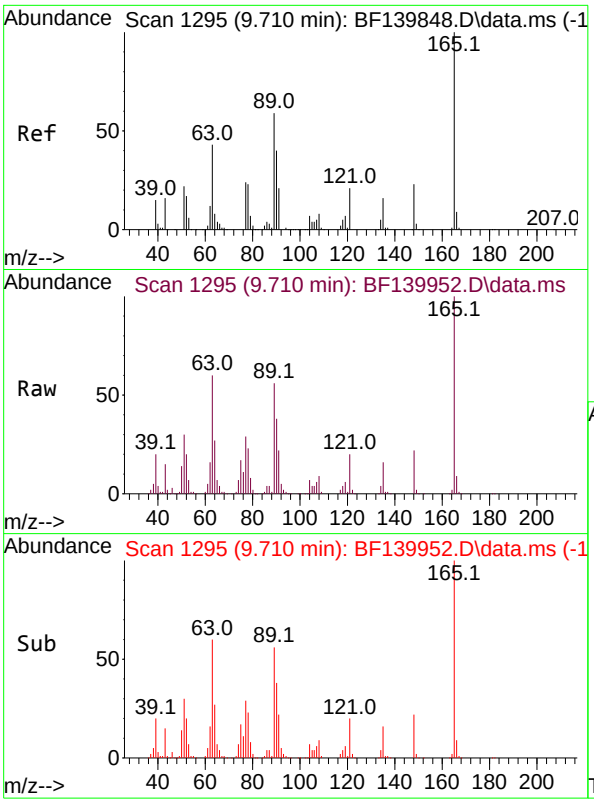


#50
Dimethylphthalate
Concen: 39.013 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:163 Resp: 799846

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	8.2	12.2

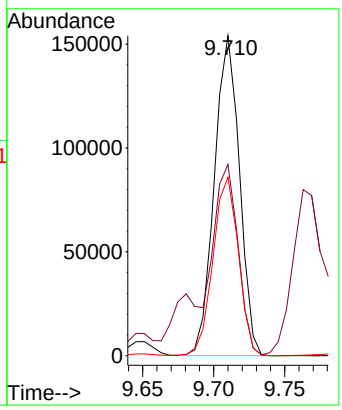




#51
2,6-Dinitrotoluene
Concen: 42.654 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:165 Resp: 189348

Ion	Ratio	Lower	Upper
165	100		
63	59.8	50.6	75.8
89	55.8	47.5	71.3



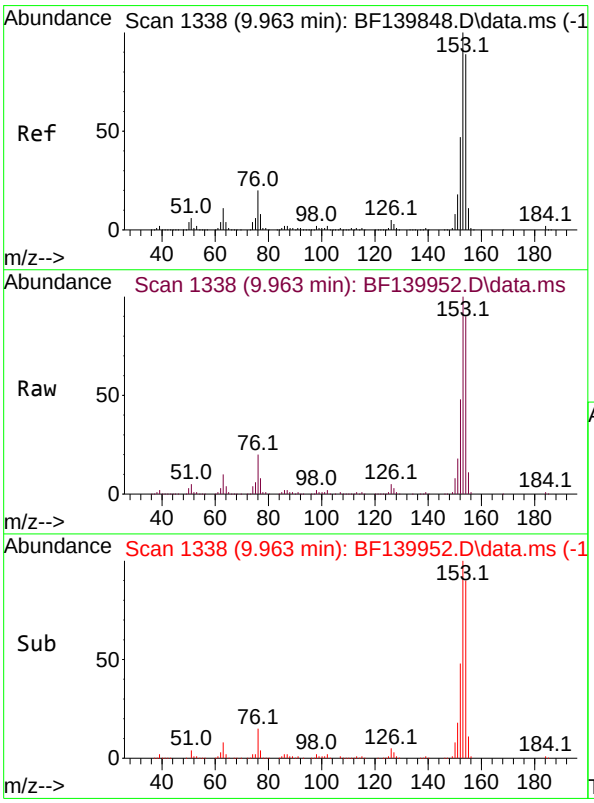
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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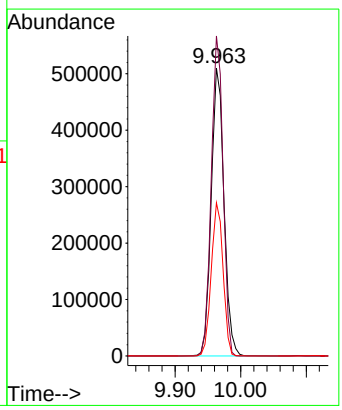
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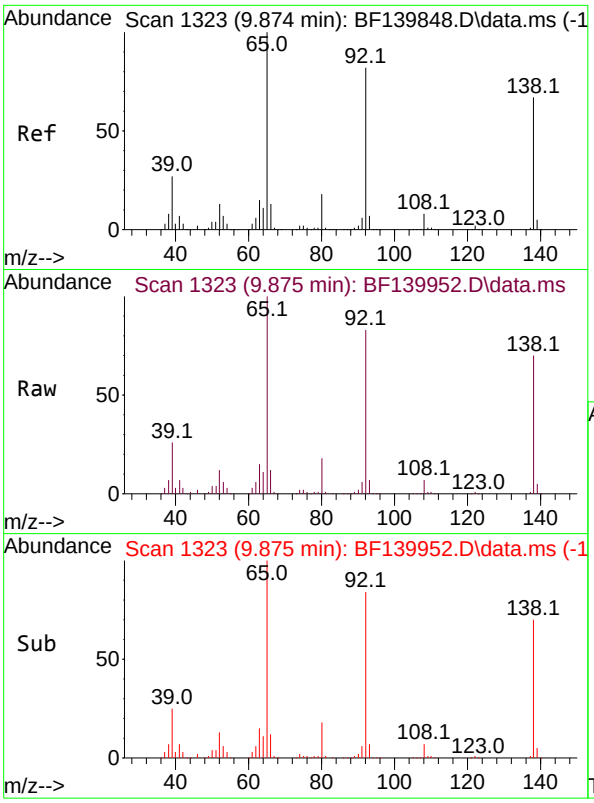


#52
Acenaphthene
Concen: 39.935 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:154 Resp: 689265

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.8	134.6
152	53.2	42.4	63.6

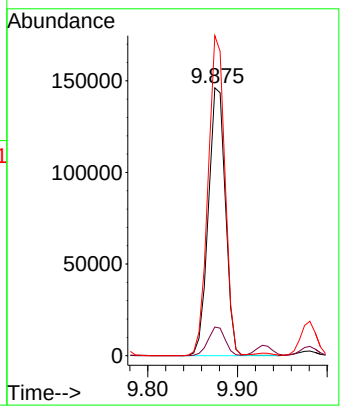




#53
3-Nitroaniline
Concen: 42.145 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:138 Resp: 19293

Ion	Ratio	Lower	Upper
138	100		
108	10.7	10.2	15.2
92	119.5	98.3	147.5



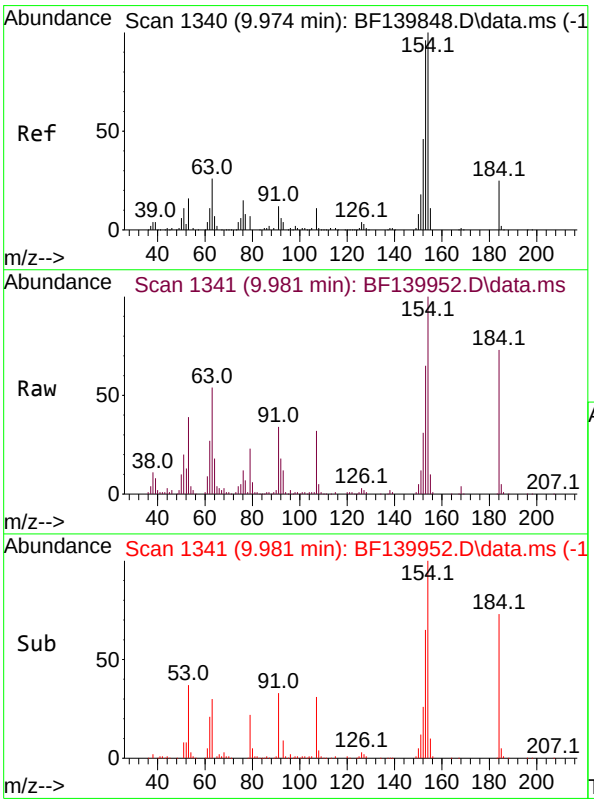
Instrument :
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ClientSampleId :
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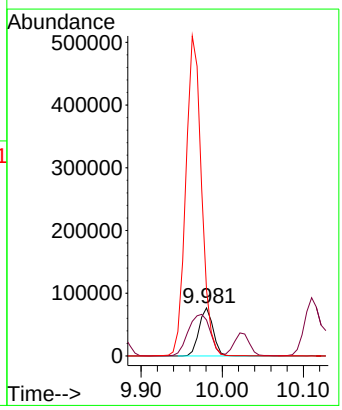
10/25/2024

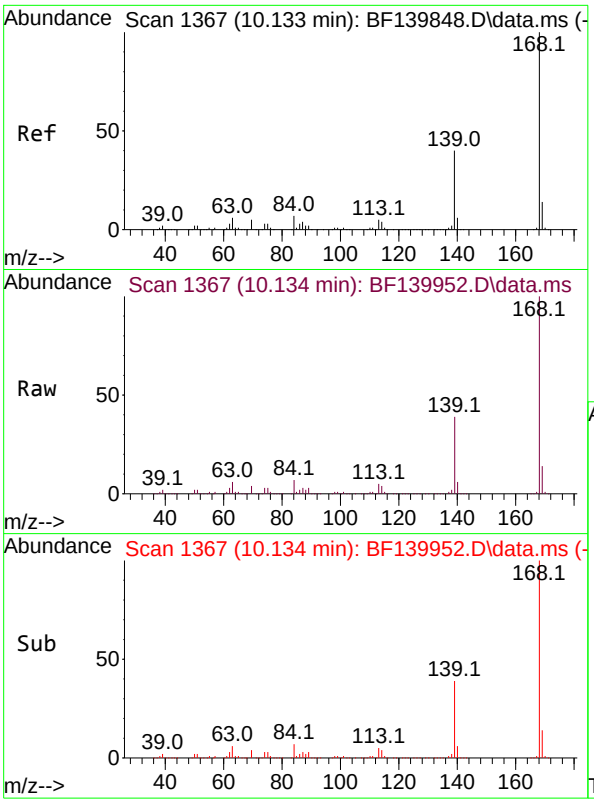


#54
2,4-Dinitrophenol
Concen: 52.556 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:184 Resp: 92435

Ion	Ratio	Lower	Upper
184	100		
63	74.9	84.7	127.1#
154	137.6	338.2	507.2#





#55
Dibenzofuran
Concen: 39.034 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

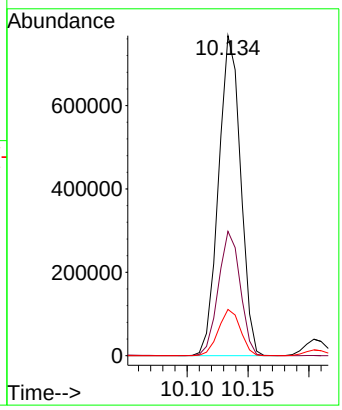
Tgt Ion:168 Resp: 96662

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.8	47.6
169	14.4	11.6	17.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

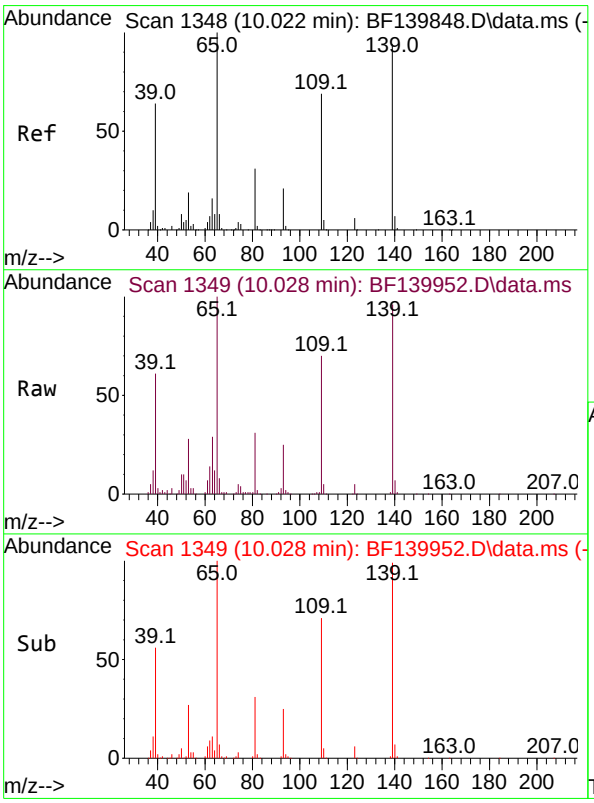
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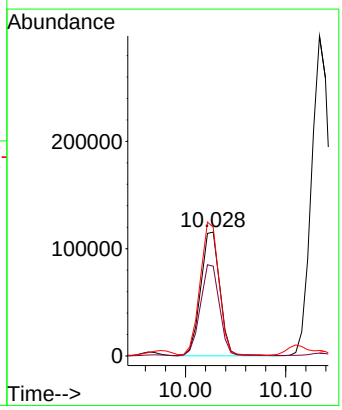
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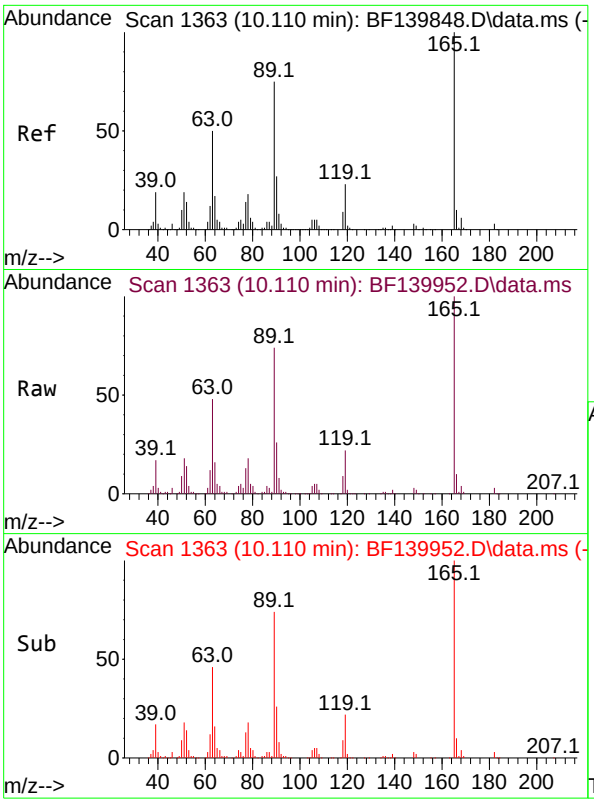


#56
4-Nitrophenol
Concen: 43.593 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:139 Resp: 153534

Ion	Ratio	Lower	Upper
139	100		
109	72.5	53.6	93.6
65	103.8	87.8	127.8

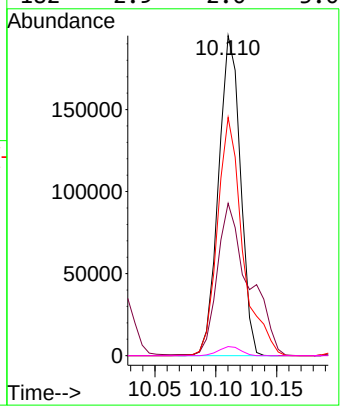




#57
2,4-Dinitrotoluene
Concen: 44.817 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:165 Resp: 24465

Ion	Ratio	Lower	Upper
165	100		
63	47.6	40.1	60.1
89	74.5	60.4	90.6
182	2.9	2.0	3.0



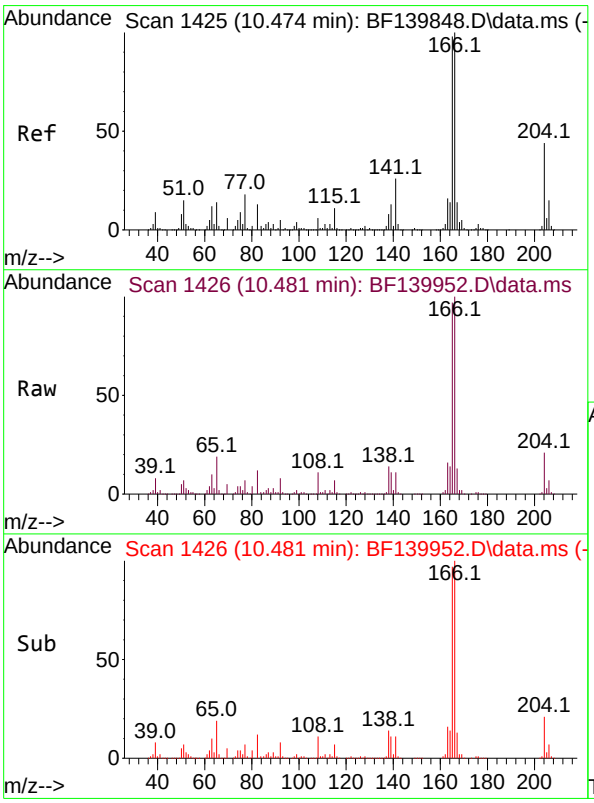
Instrument :
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ClientSampleId :
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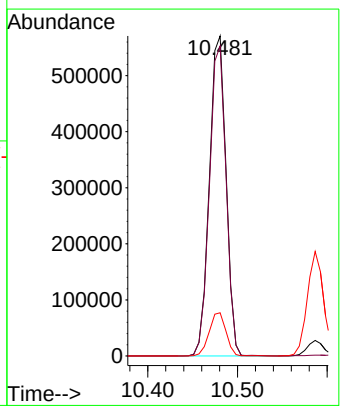
10/25/2024

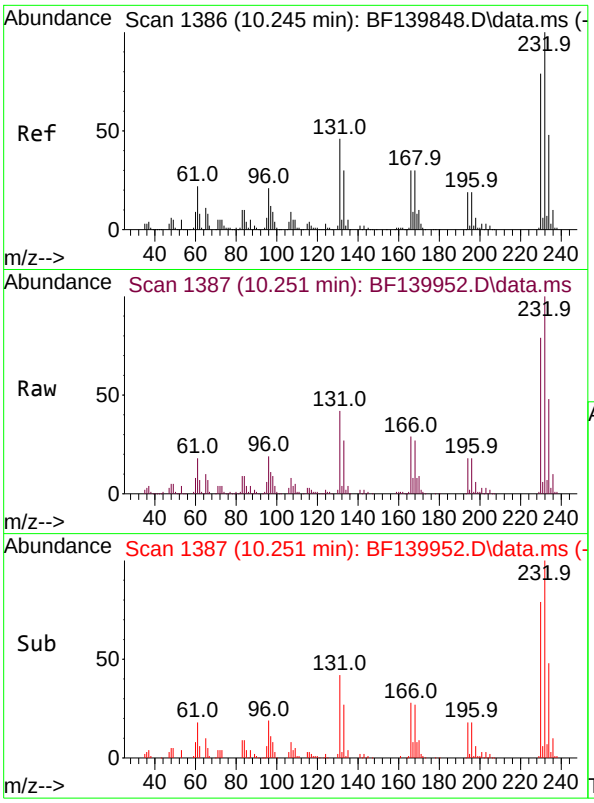


#58
Fluorene
Concen: 39.085 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:166 Resp: 737183

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.5	117.7
167	13.5	10.9	16.3

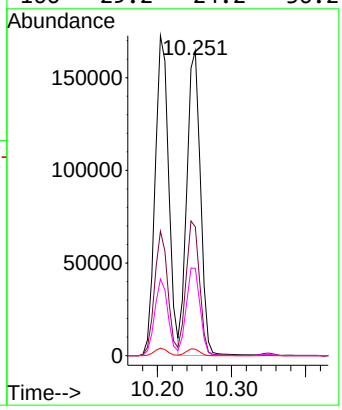




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.221 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:232 Resp: 20960

Ion	Ratio	Lower	Upper
232	100		
131	43.6	37.0	55.6
130	2.2	1.9	2.9
166	29.2	24.2	36.2



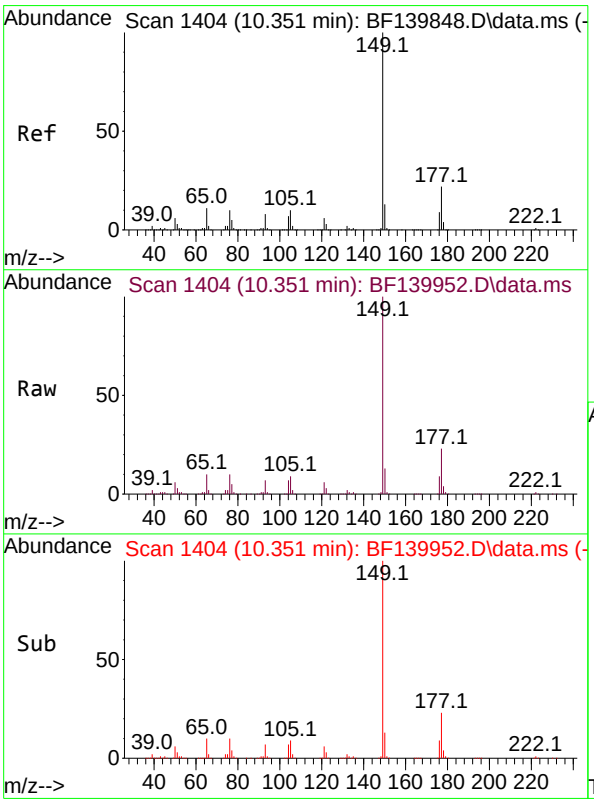
Instrument :
BNA_F
ClientSampleId :
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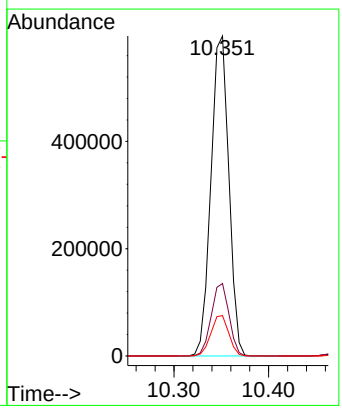
10/25/2024

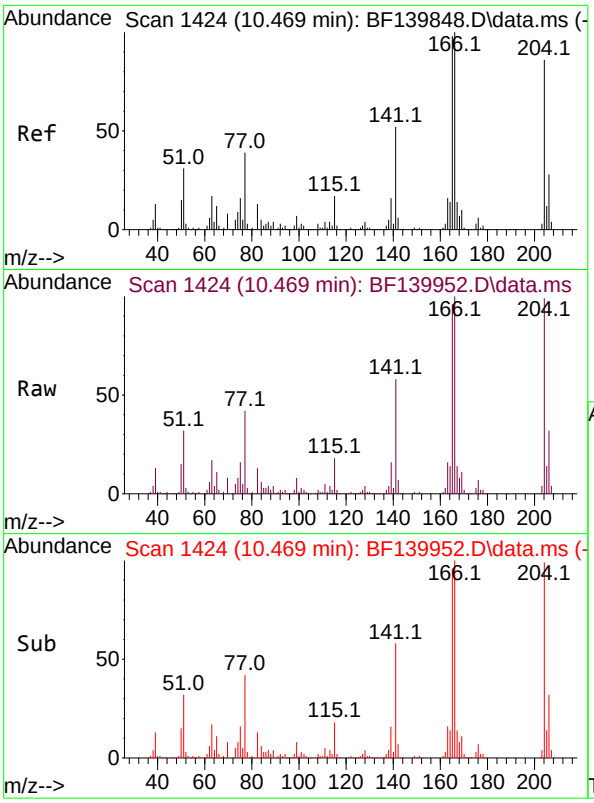


#60
Diethylphthalate
Concen: 38.979 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:149 Resp: 784653

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.360 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

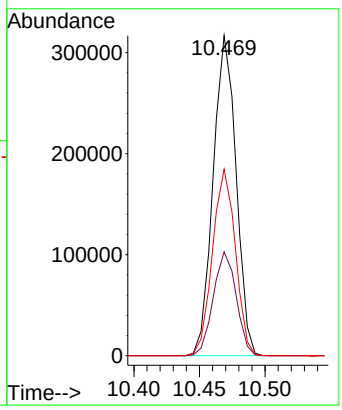
Tgt Ion:204 Resp: 38442

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.3	39.5
141	58.2	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

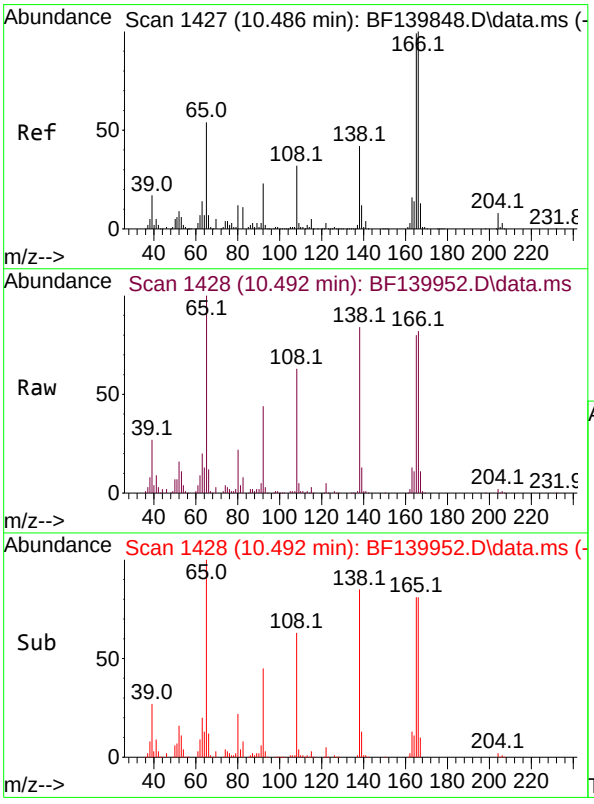
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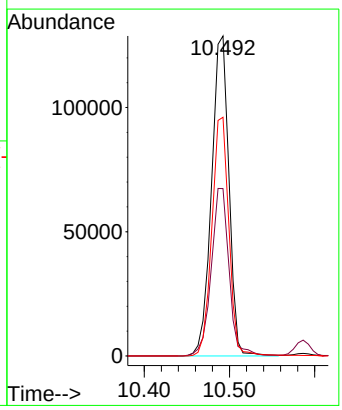
10/25/2024

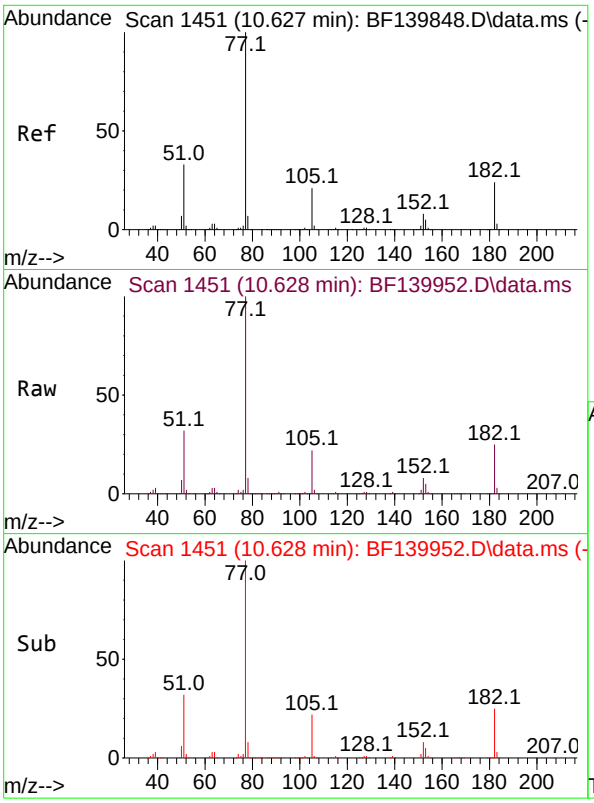


#62
4-Nitroaniline
Concen: 42.376 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:138 Resp: 183216

Ion	Ratio	Lower	Upper
138	100		
92	52.3	35.7	75.7
108	74.6	57.5	97.5

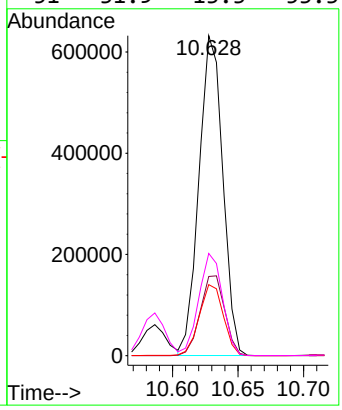




#63
Azobenzene
Concen: 37.507 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion: 77 Resp: 80043

Ion	Ratio	Lower	Upper
77	100		
182	24.7	3.3	43.3
105	22.2	1.2	41.2
51	31.9	13.3	53.3



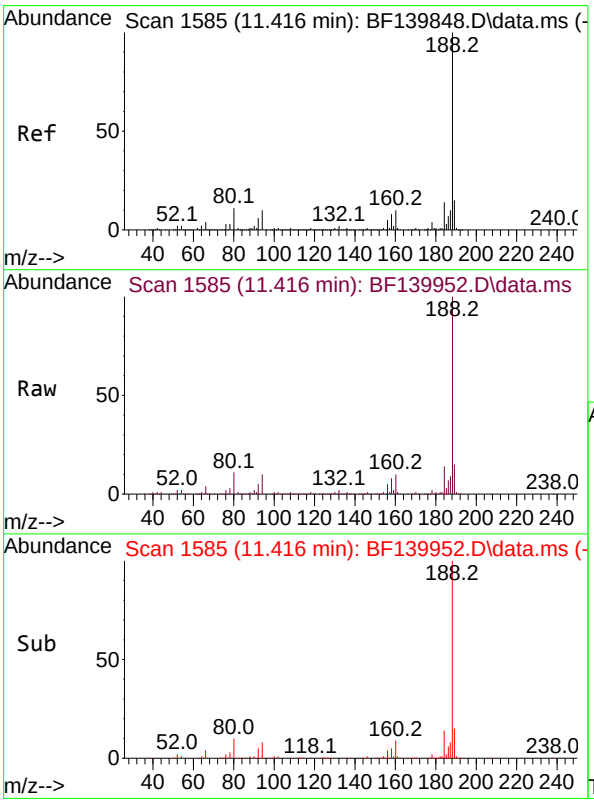
Instrument :
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ClientSampleId :
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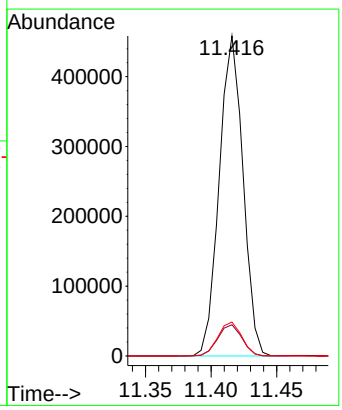
10/25/2024

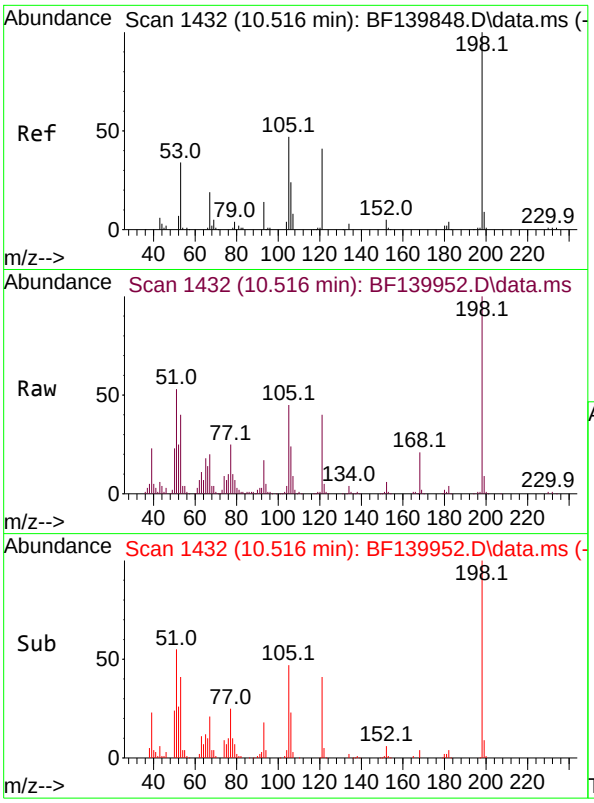


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:188 Resp: 576587

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.6	9.0	13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 55.496 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

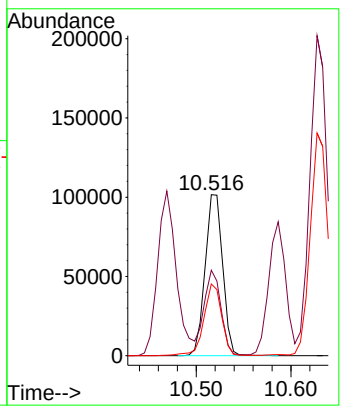
Tgt Ion:198 Resp: 13052

Ion	Ratio	Lower	Upper
198	100		
51	53.1	38.2	78.2
105	44.5	27.9	67.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

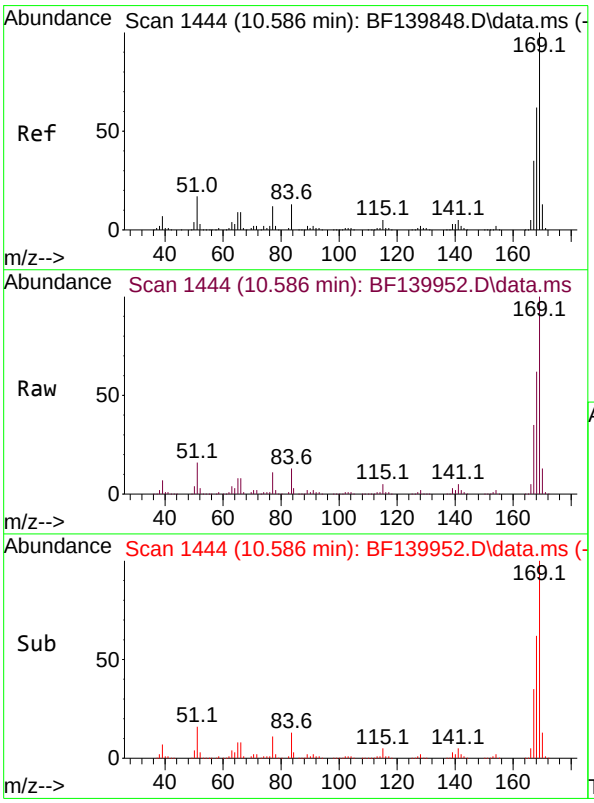
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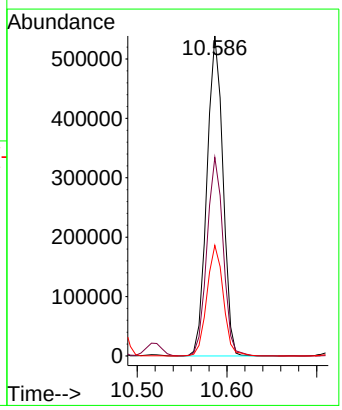
10/25/2024

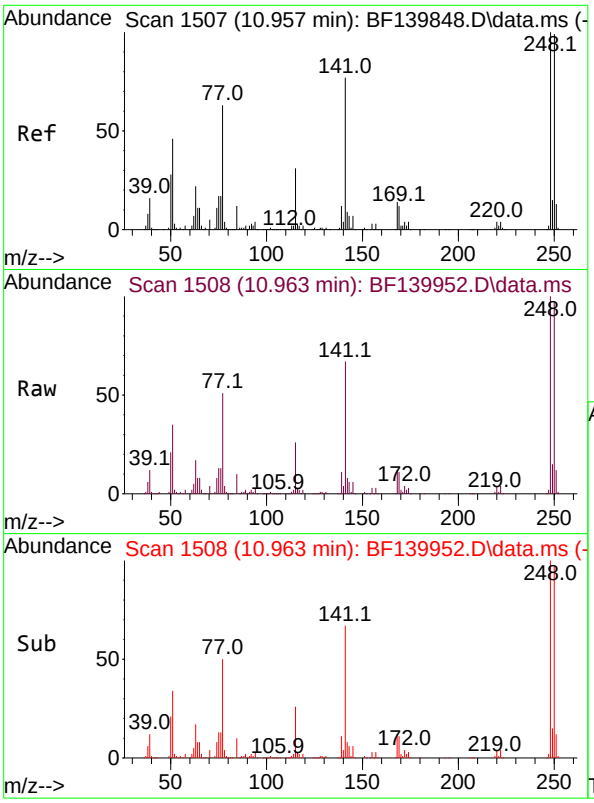


#66
n-Nitrosodiphenylamine
Concen: 38.723 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:169 Resp: 668240

Ion	Ratio	Lower	Upper
169	100		
168	62.1	49.8	74.6
167	34.6	28.0	42.0

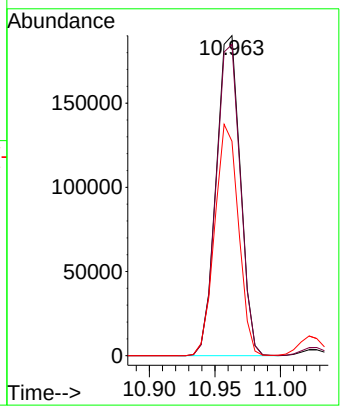




#67
4-Bromophenyl-phenylether
Concen: 40.947 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:248 Resp: 24322

Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.0	118.6
141	67.0	61.7	92.5



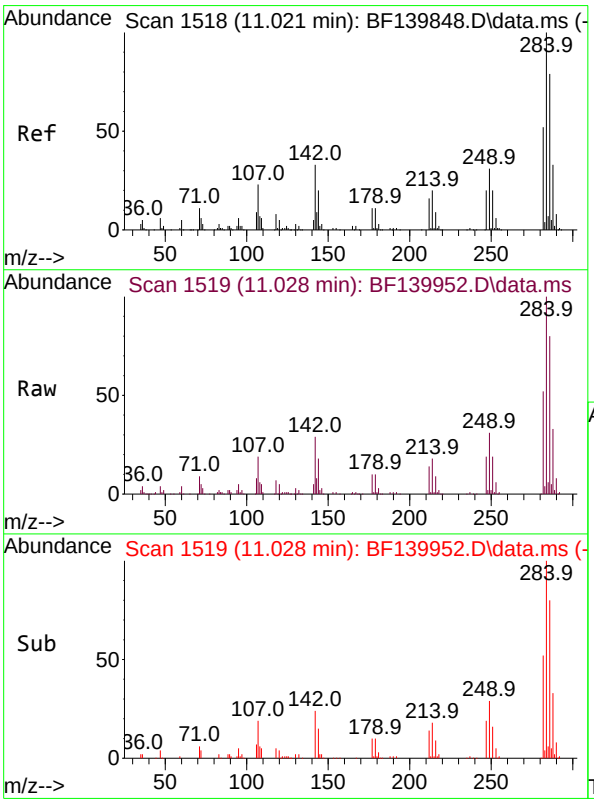
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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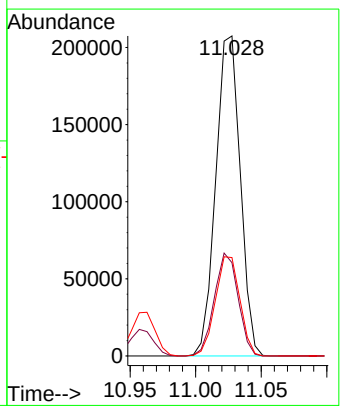
10/25/2024

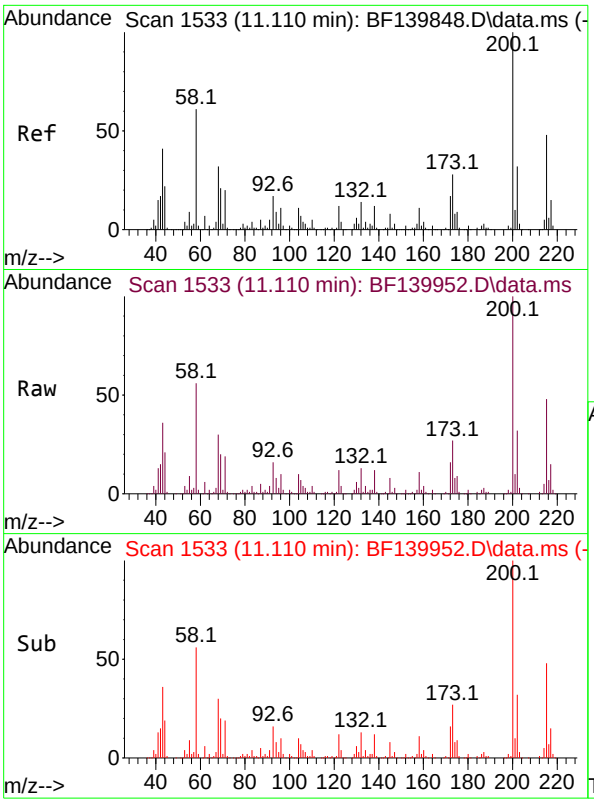


#68
Hexachlorobenzene
Concen: 40.278 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:284 Resp: 269072

Ion	Ratio	Lower	Upper
284	100		
142	29.1	26.9	40.3
249	30.8	25.3	37.9

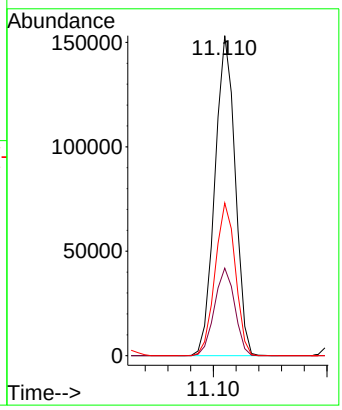




#69
Atrazine
Concen: 40.631 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:200 Resp: 18993

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.7	47.7
215	47.7	27.7	67.7



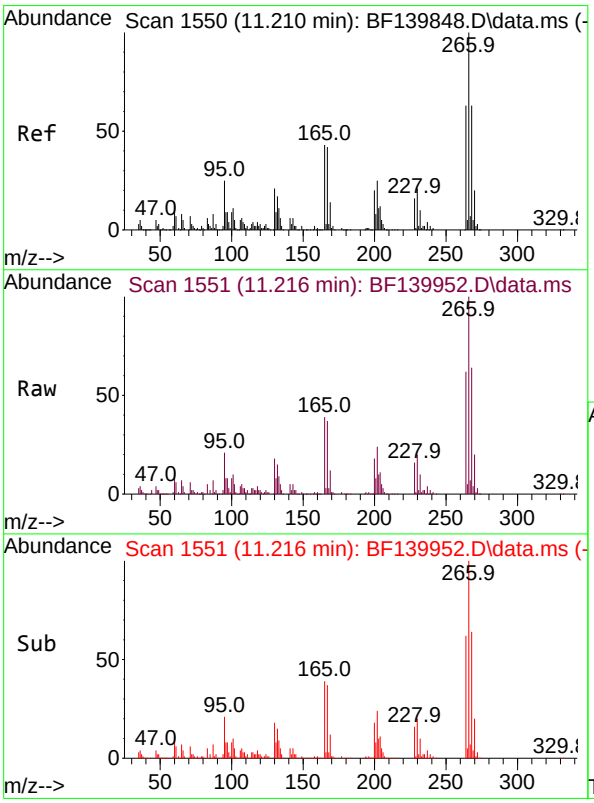
Instrument :
BNA_F
ClientSampleId :
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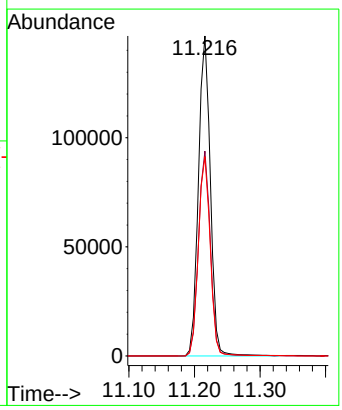
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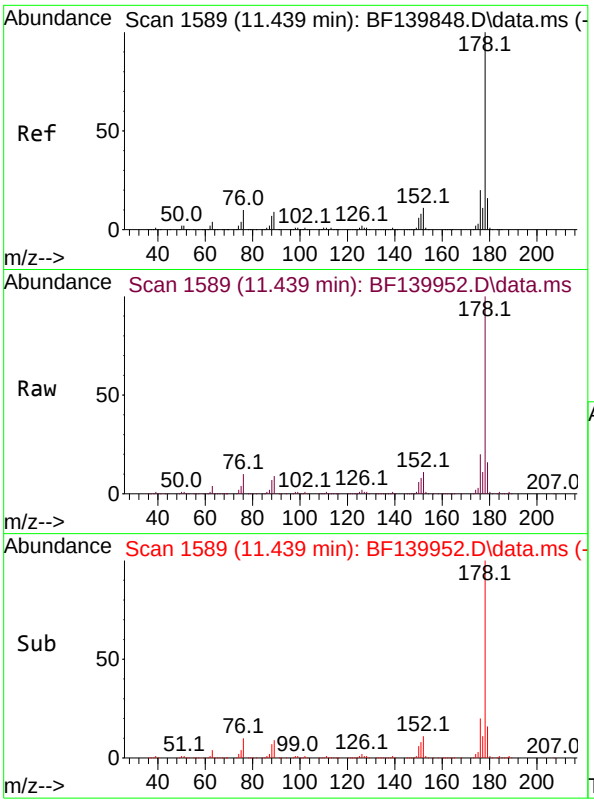


#70
Pentachlorophenol
Concen: 45.879 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:266 Resp: 186013

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.4	75.6
264	62.3	50.6	75.8

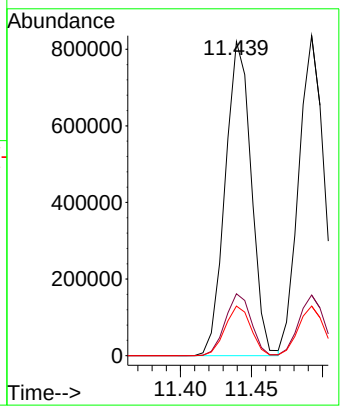




#71
Phenanthrene
Concen: 38.377 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:178 Resp: 104522

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.8	12.6	18.8



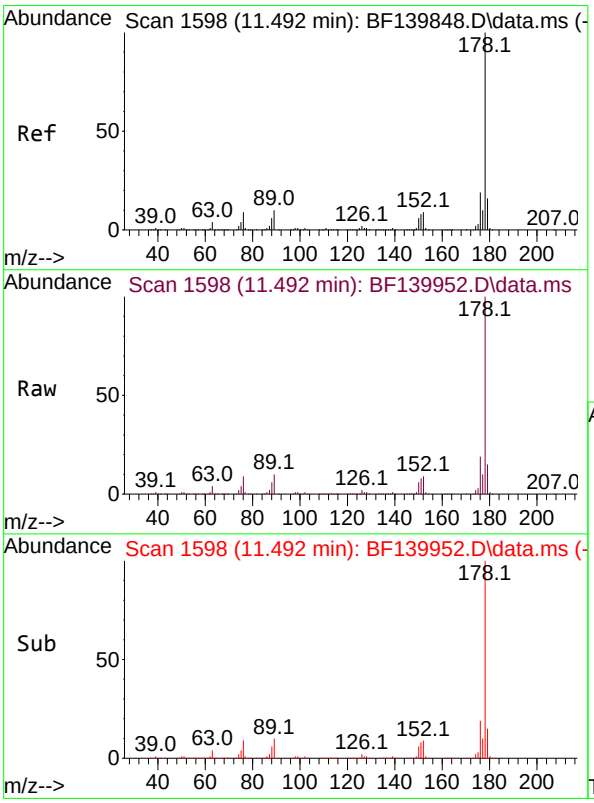
Instrument :
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ClientSampleId :
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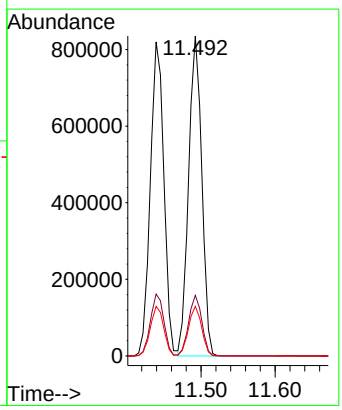
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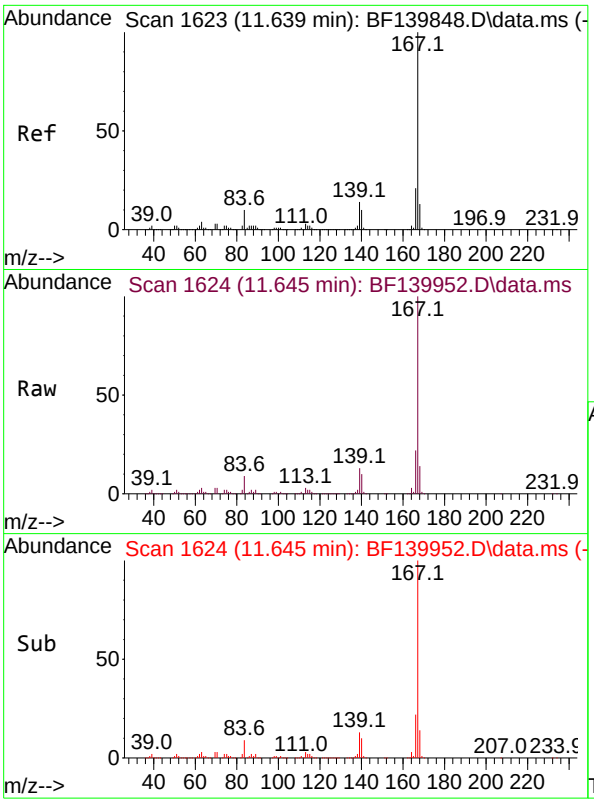


#72
Anthracene
Concen: 38.865 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:178 Resp: 1032769

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.5	12.4	18.6

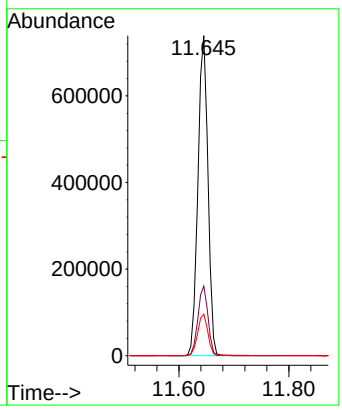




#73
Carbazole
Concen: 38.023 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:167 Resp: 93967

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.0	10.8	16.2



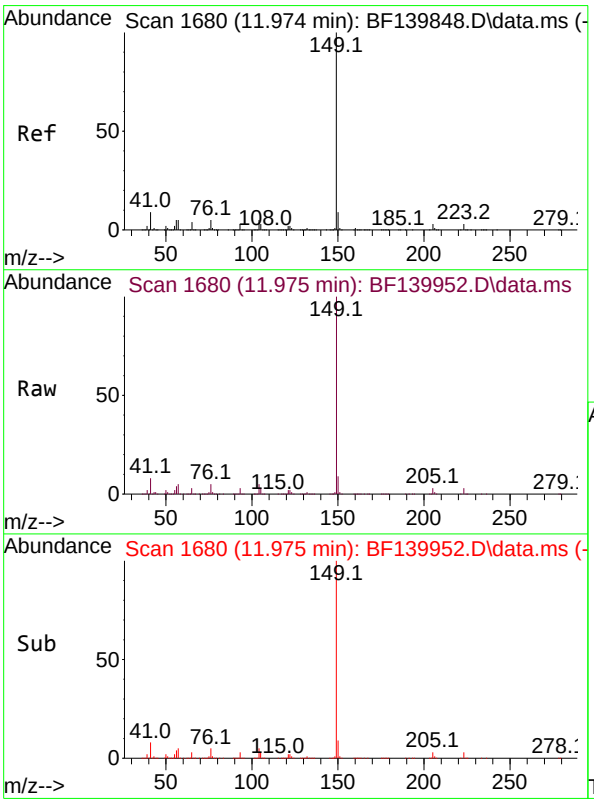
Instrument :
BNA_F
ClientSampleId :
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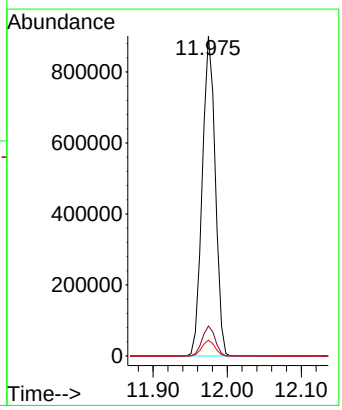
10/25/2024

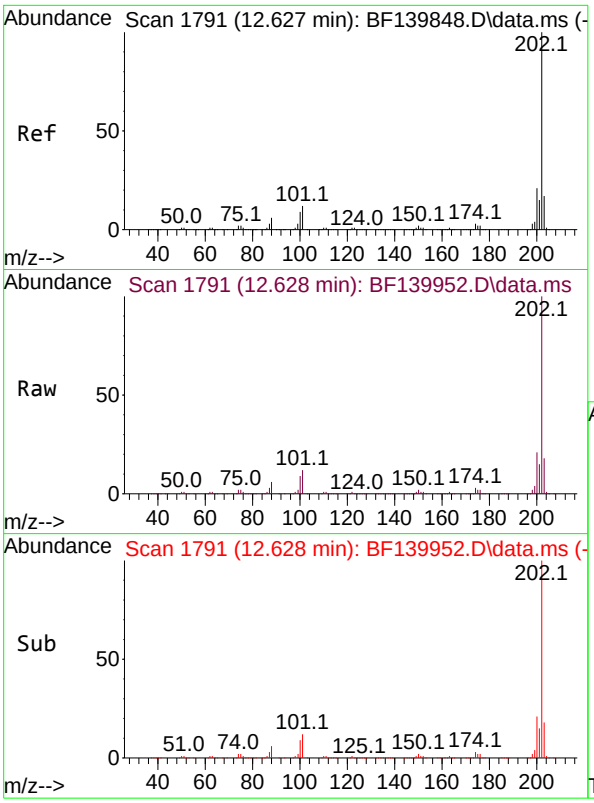


#74
Di-n-butylphthalate
Concen: 38.399 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:149 Resp: 1096390

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.9	4.1	6.1





#75
Fluoranthene
Concen: 38.592 ng
RT: 12.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

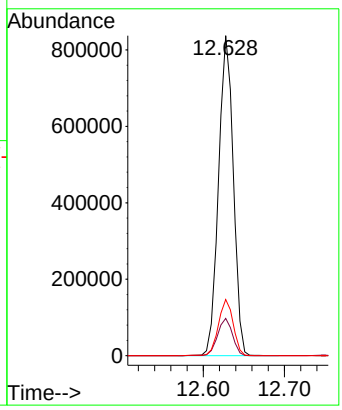
Tgt Ion:202 Resp: 106255

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.9
203	17.5	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

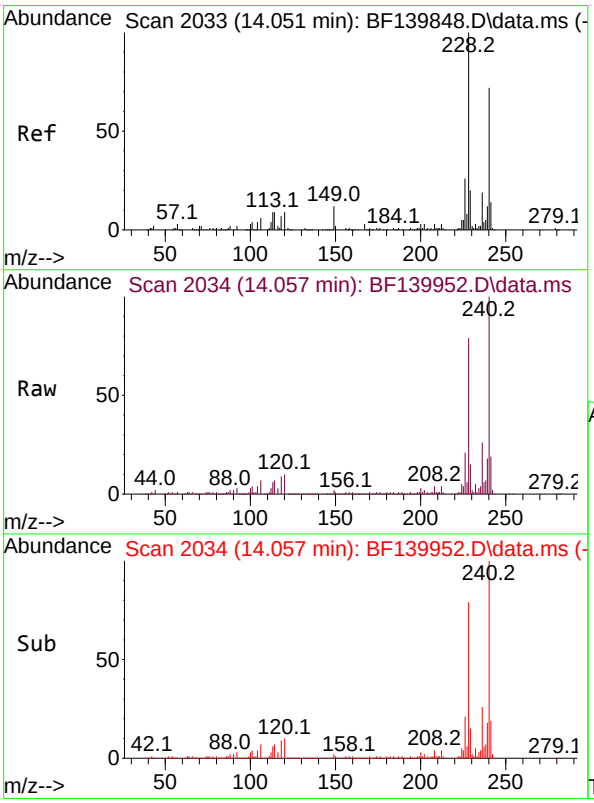
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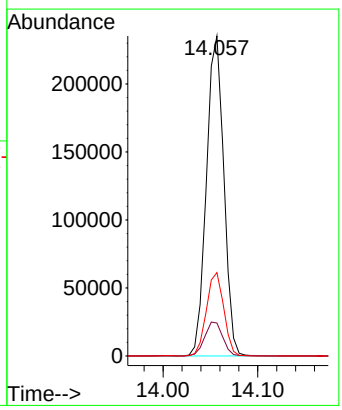
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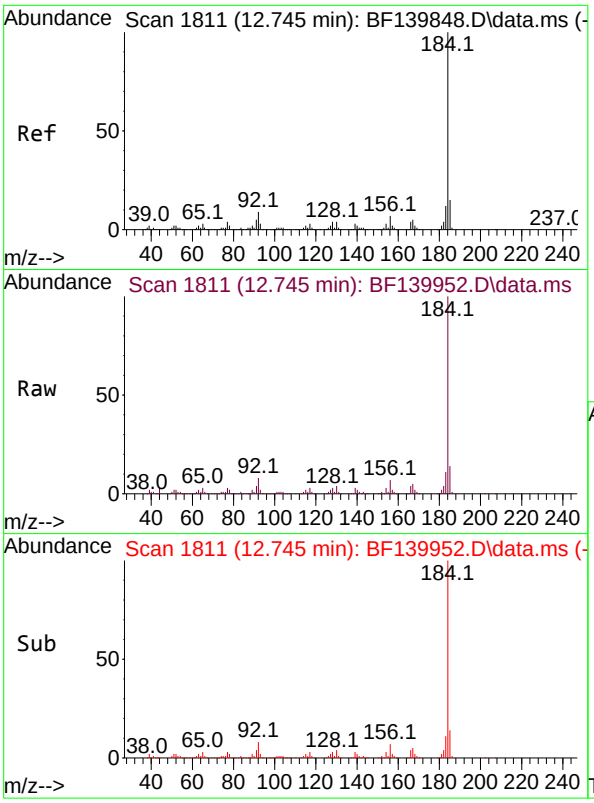


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:240 Resp: 299183

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.4	14.2
236	26.1	20.9	31.3

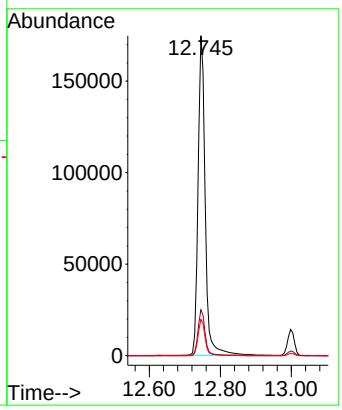




#77
Benzidine
Concen: 49.870 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:184 Resp: 24533

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.0	18.0
183	11.3	9.4	14.2



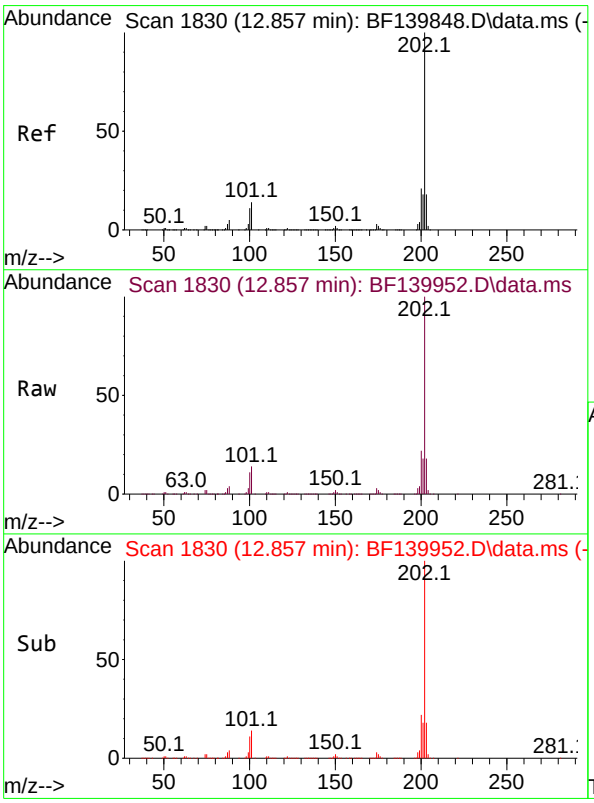
Instrument :
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ClientSampleId :
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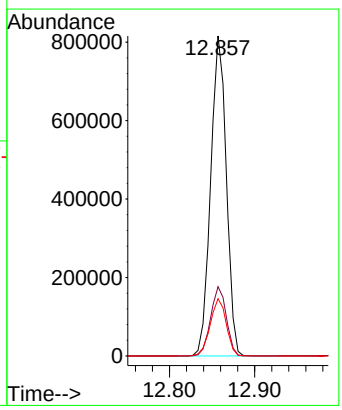
10/25/2024

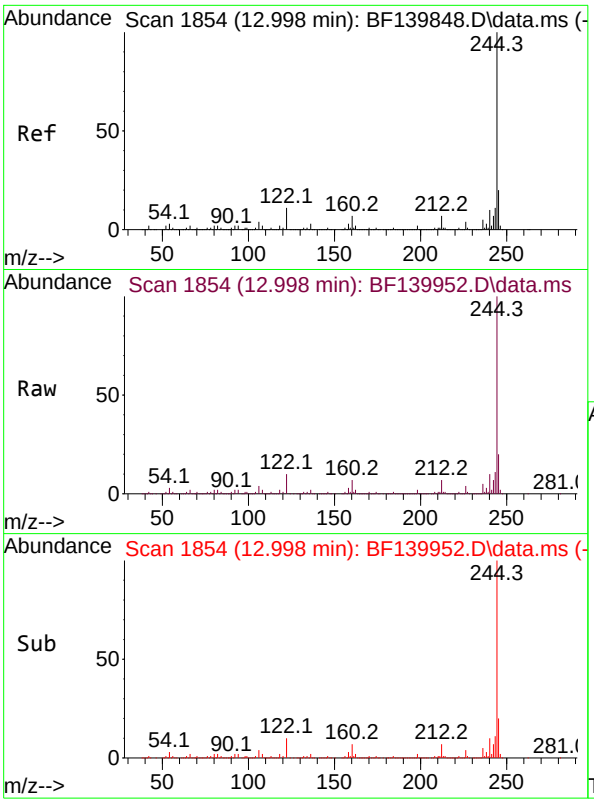


#78
Pyrene
Concen: 39.923 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:202 Resp: 1045514

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.9	14.2	21.4

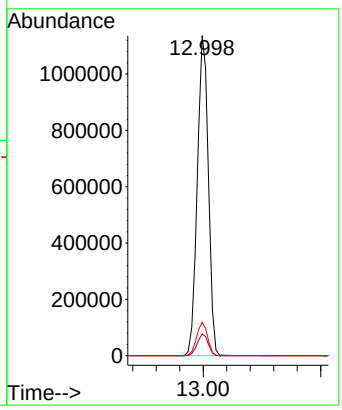




#79
Terphenyl-d14
Concen: 80.588 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:244 Resp: 147965

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.5	8.6	13.0



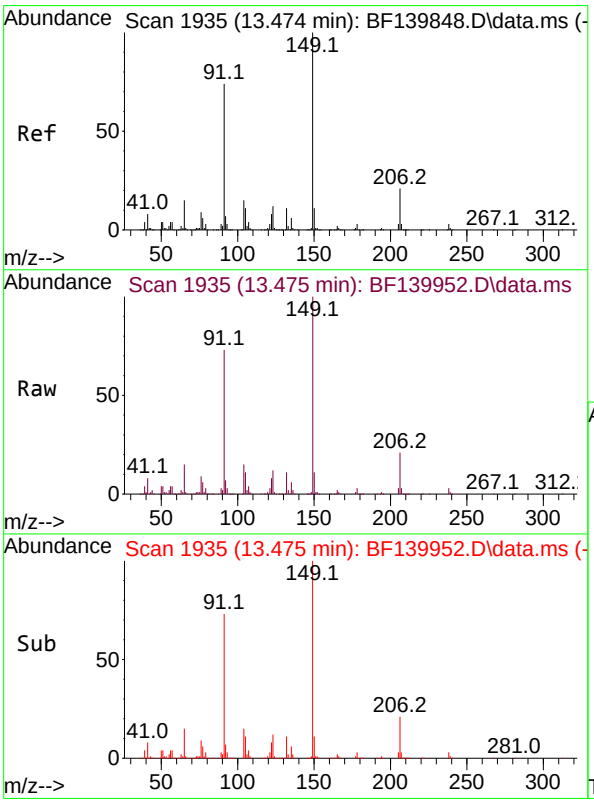
Instrument :
BNA_F
ClientSampleId :
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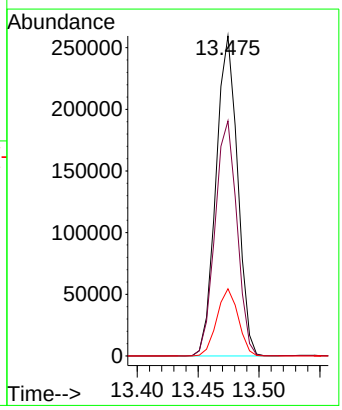
10/25/2024

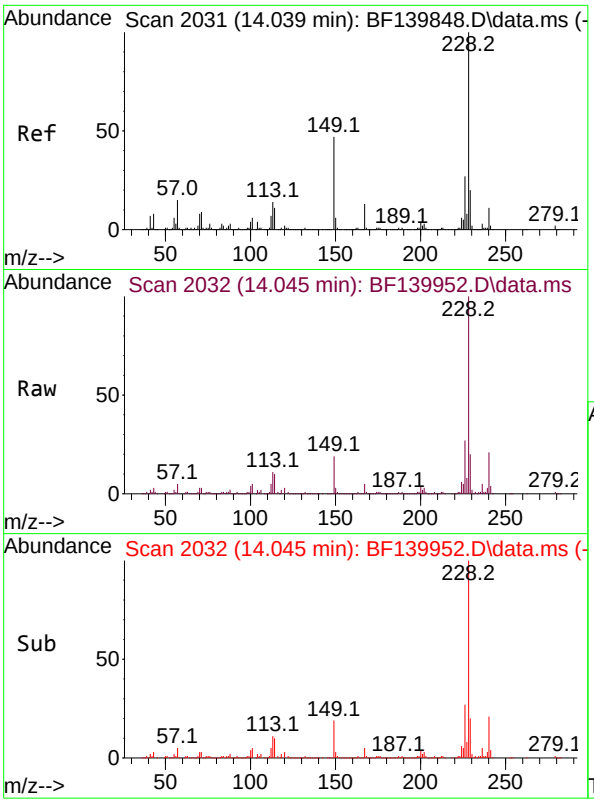


#80
Butylbenzylphthalate
Concen: 40.854 ng
RT: 13.475 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:149 Resp: 320762

Ion	Ratio	Lower	Upper
149	100		
91	73.4	59.4	89.2
206	21.0	16.4	24.6





#81
Benzo(a)anthracene
Concen: 39.104 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

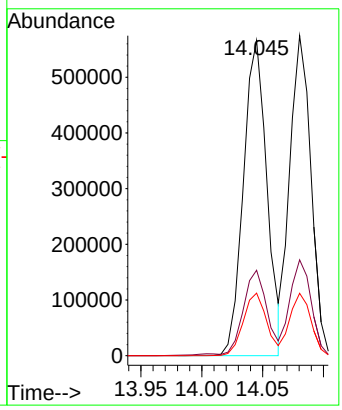
Tgt Ion:228 Resp: 76158

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.6	32.4
229	19.9	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

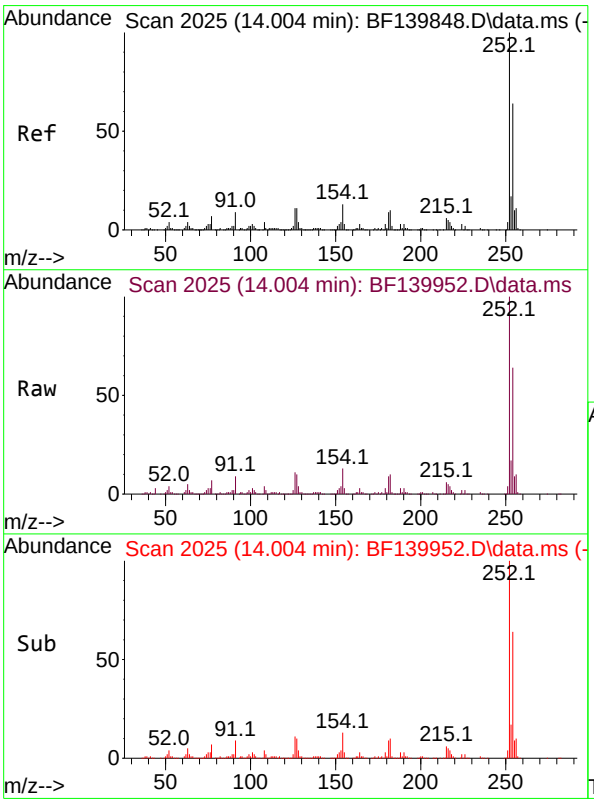
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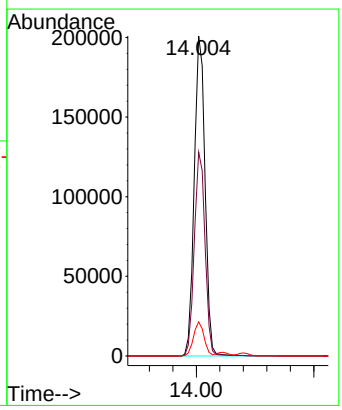
10/25/2024

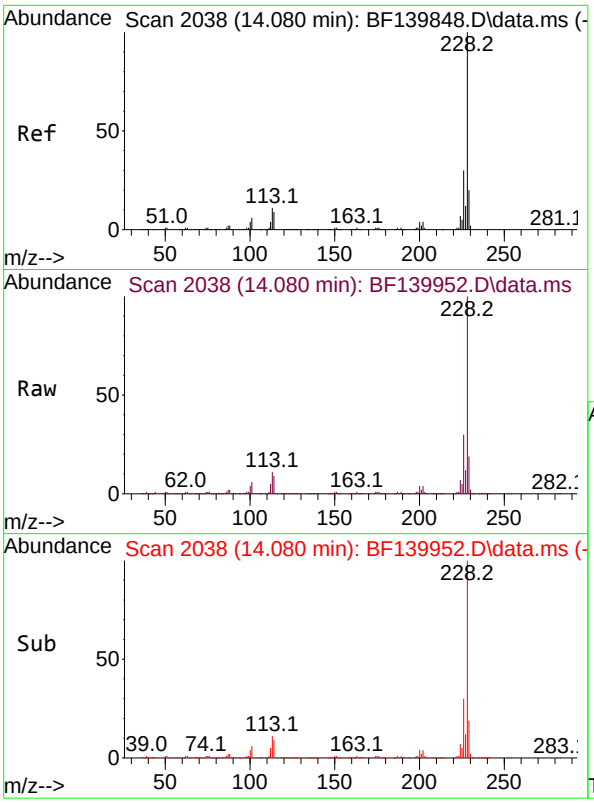


#82
3,3'-Dichlorobenzidine
Concen: 44.975 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:252 Resp: 255392

Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.8	76.2
126	10.7	8.9	13.3

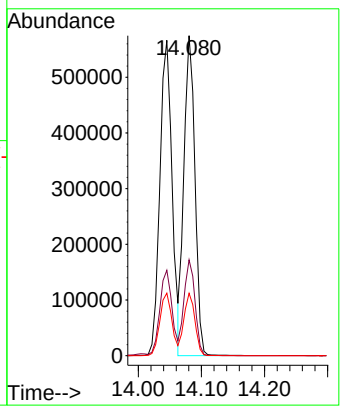




#83
Chrysene
Concen: 39.187 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:228 Resp: 69976

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.5	15.8	23.6



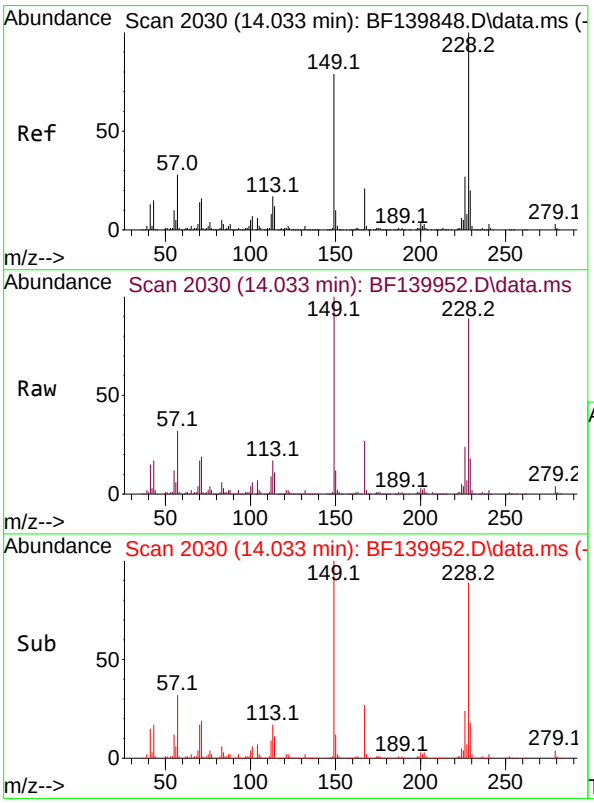
Instrument :
BNA_F
ClientSampleId :
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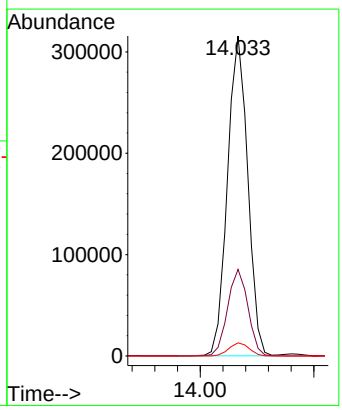
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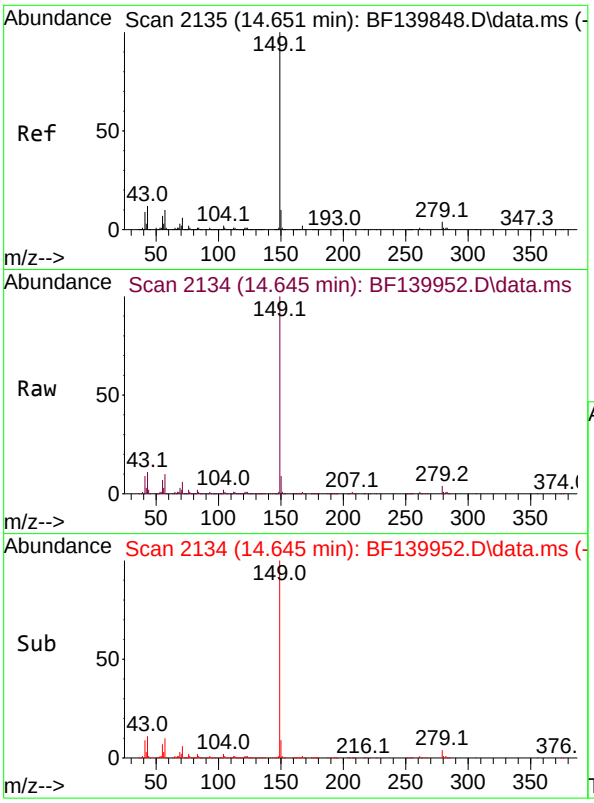


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.280 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:149 Resp: 390057

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.1	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 43.437 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

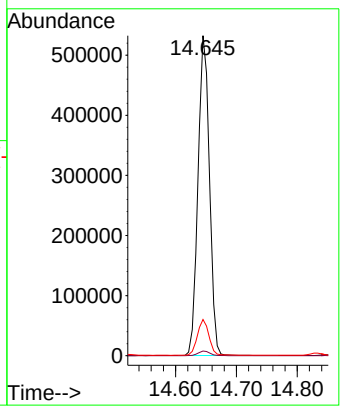
Tgt Ion:149 Resp: 69595

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.4	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

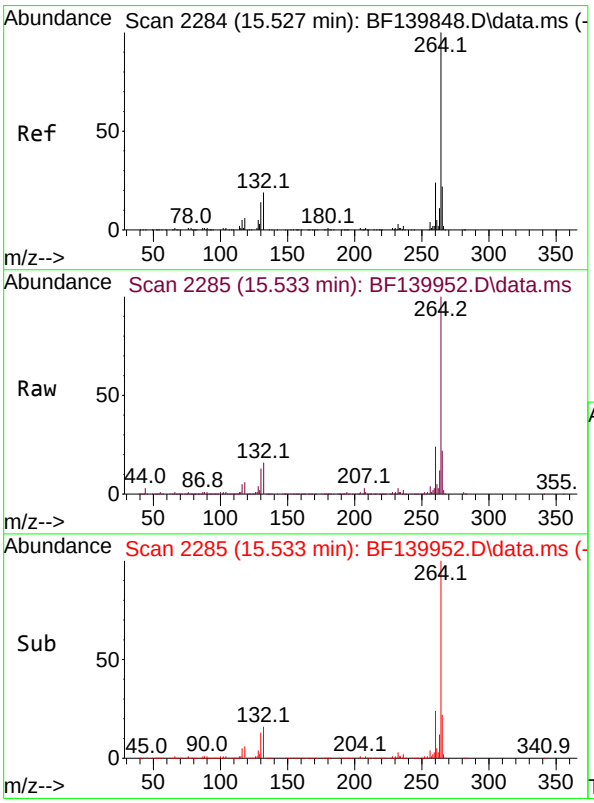
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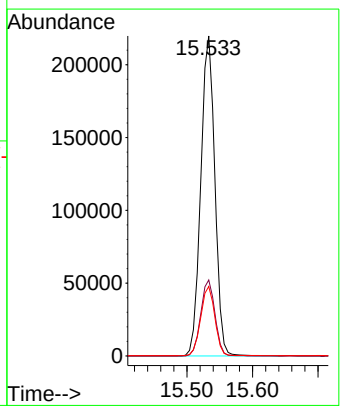
10/25/2024

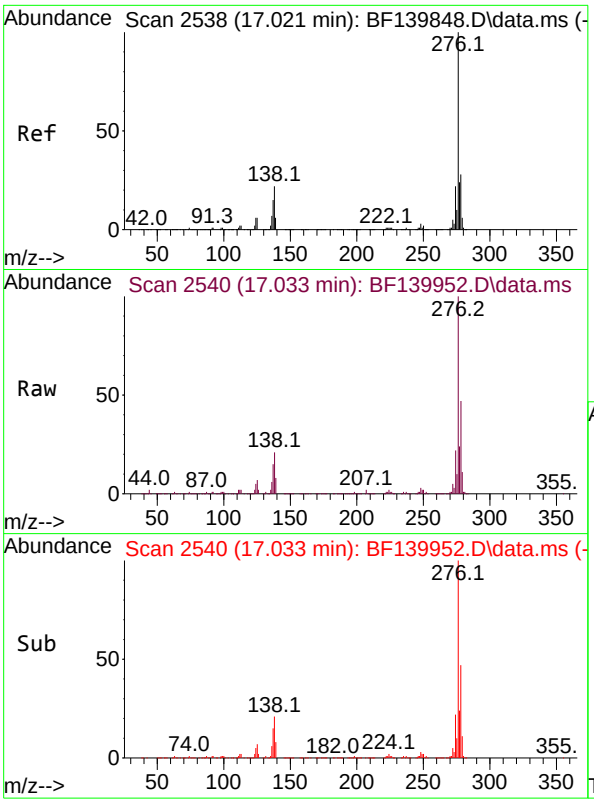


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:264 Resp: 329130

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.7	17.4	26.0

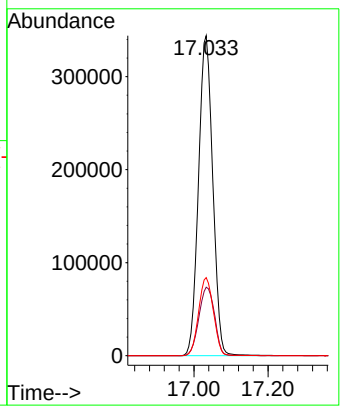




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.321 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:276 Resp: 91726

Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.4	30.6
277	25.3	20.2	30.4



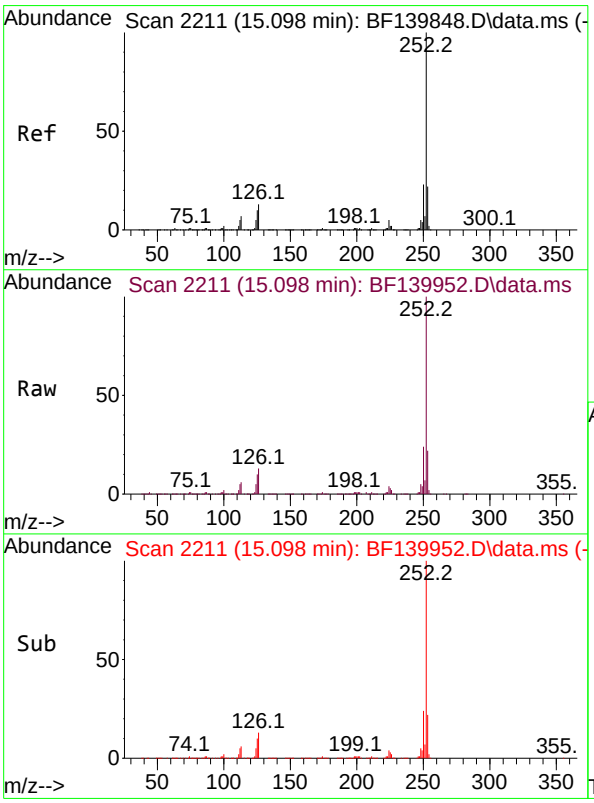
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

10/24/2024
Supervised By :mohammad ahmed

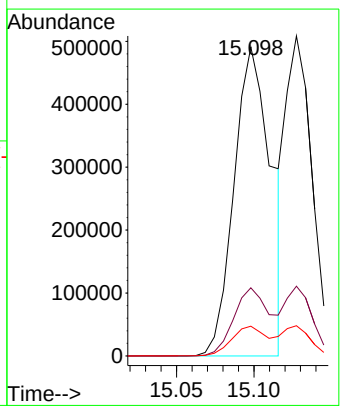
10/25/2024

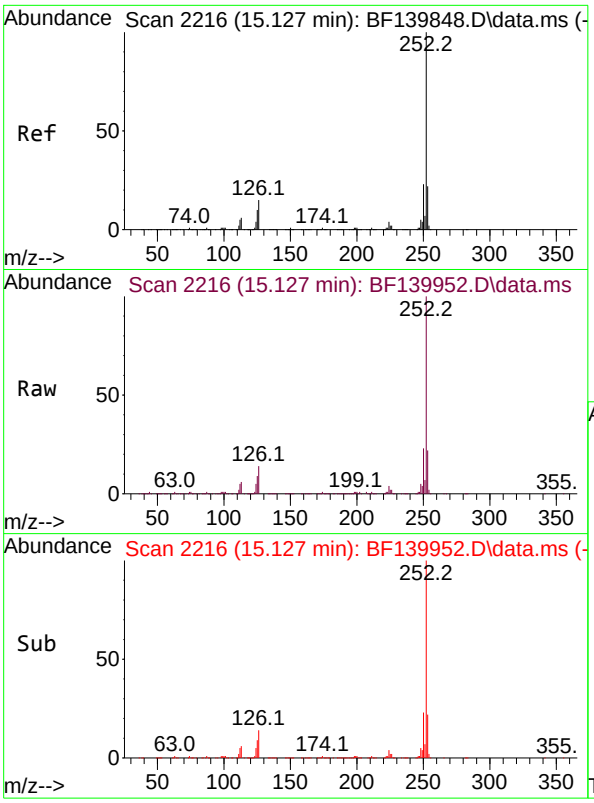


#88
Benzo(b)fluoranthene
Concen: 40.699 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:252 Resp: 815990

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.6	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 34.716 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

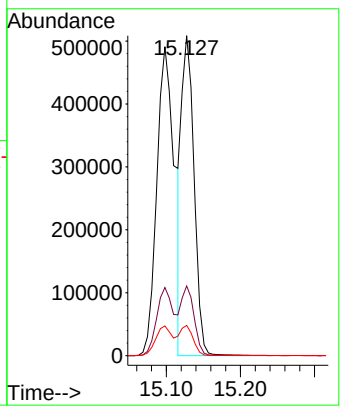
Tgt Ion:252 Resp: 60026

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.4	7.9	11.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

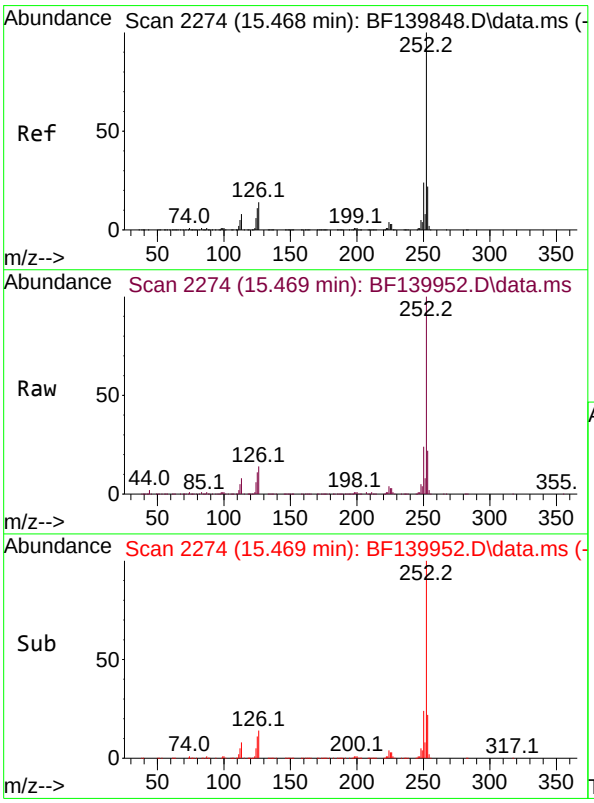
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



10/24/2024
Supervised By :mohammad ahmed

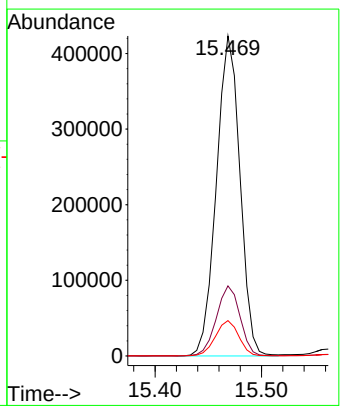
10/25/2024

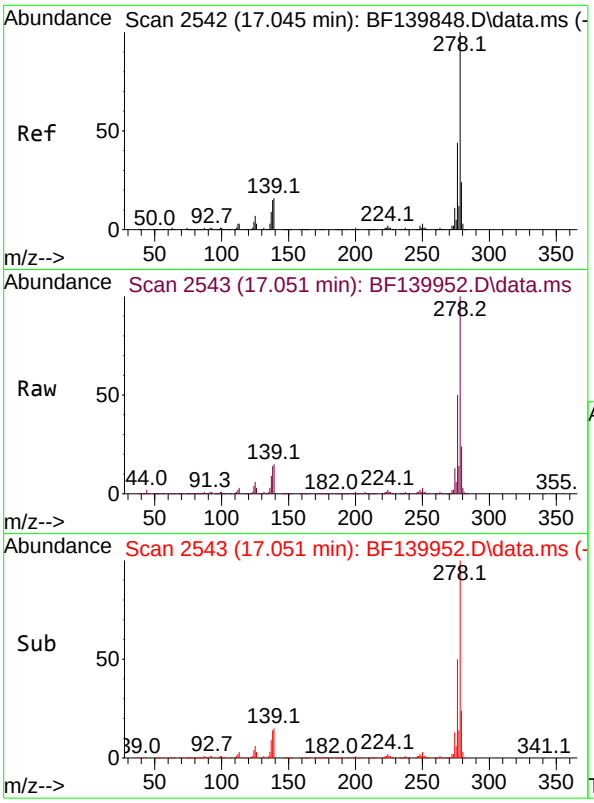


#90
Benzo(a)pyrene
Concen: 39.411 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:252 Resp: 650166

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	11.1	8.7	13.1

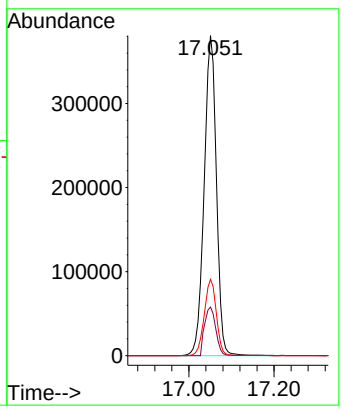




#91
Dibenzo(a,h)anthracene
Concen: 43.038 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:278 Resp: 76021

Ion	Ratio	Lower	Upper
278	100		
139	15.2	13.1	19.7
279	23.9	19.0	28.4



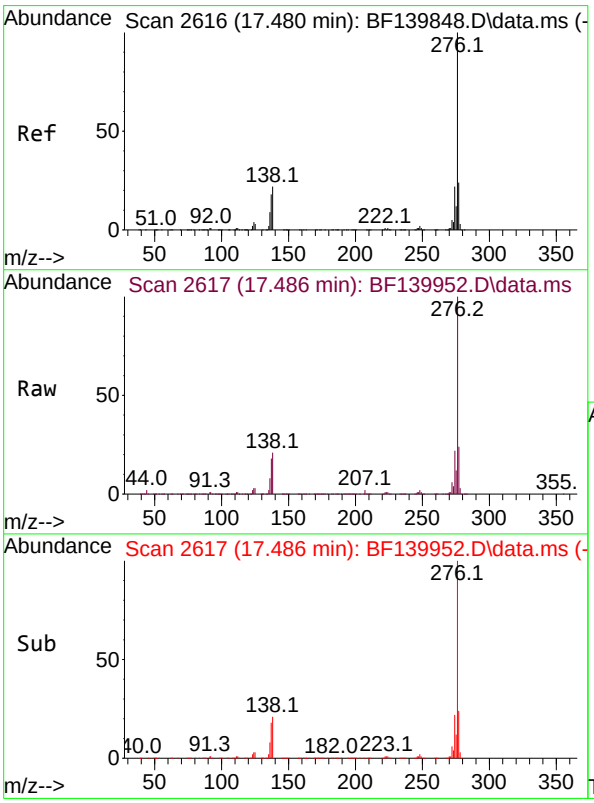
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

10/24/2024
Supervised By :mohammad ahmed

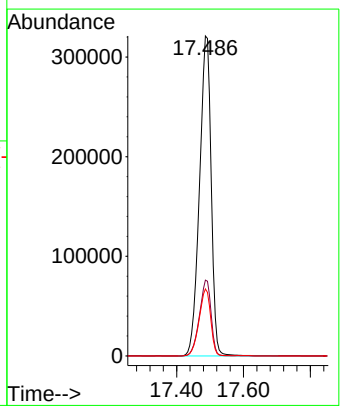
10/25/2024



#92
Benzo(g,h,i)perylene
Concen: 44.179 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139952.D
Acq: 23 Oct 2024 09:20

Tgt Ion:276 Resp: 779486

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	21.0	17.4	26.0



Sample Results: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	86	0.00
2		1,4-Dioxane	0.596	0.552	7.4	80	-0.02
3		Pyridine	1.476	1.361	7.8	78	-0.01
4		n-Nitrosodimethylamine	0.793	0.707	10.8	76	-0.02
5	S	2-Fluorophenol	1.278	1.208	5.5	81	0.00
6		Aniline	1.542	1.457	5.5	79	0.00
7	S	Phenol-d6	1.655	1.535	7.3	80	0.00
8		2-Chlorophenol	1.306	1.268	2.9	83	0.00
9		Benzaldehyde	0.931	0.814	12.6	75	0.00
10	C	Phenol	1.706	1.607	5.8	81	0.00
11		bis(2-Chloroethyl)ether	1.319	1.234	6.4	82	0.00
12		1,3-Dichlorobenzene	1.499	1.454	3.0	84	0.00
13	C	1,4-Dichlorobenzene	1.498	1.463	2.3	85	0.00
14		1,2-Dichlorobenzene	1.398	1.365	2.4	85	0.00
15		Benzyl Alcohol	1.214	1.152	5.1	82	0.00
16		2,2'-oxybis(1-Chloropropane	2.248	2.003	10.9	76	0.00
17		2-Methylphenol	1.114	1.068	4.1	83	0.00
18		Hexachloroethane	0.534	0.522	2.2	83	0.00
19	P	n-Nitroso-di-n-propylamine	1.004	0.910	9.4	80	0.00
20		3+4-Methylphenols	1.424	1.338	6.0	81	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22		Acetophenone	0.490	0.464	5.3	83	0.00
23	S	Nitrobenzene-d5	0.361	0.367	-1.7	85	0.00
24		Nitrobenzene	0.396	0.388	2.0	82	0.00
25		Isophorone	0.685	0.648	5.4	82	0.00
26	C	2-Nitrophenol	0.149	0.174	-16.8	95	0.00
27		2,4-Dimethylphenol	0.249	0.236	5.2	81	0.00
28		bis(2-Chloroethoxy)methane	0.415	0.398	4.1	83	0.00
29	C	2,4-Dichlorophenol	0.283	0.280	1.1	85	0.00
30		1,2,4-Trichlorobenzene	0.314	0.312	0.6	85	0.00
31		Naphthalene	1.031	1.008	2.2	84	0.00
32		Benzoic acid	0.217	0.238	-9.7	93	0.00
33		4-Chloroaniline	0.352	0.342	2.8	83	0.00
34	C	Hexachlorobutadiene	0.197	0.200	-1.5	87	0.00
35		Caprolactam	0.090	0.090	0.0	84	0.00
36	C	4-Chloro-3-methylphenol	0.314	0.305	2.9	83	0.00
37		2-Methylnaphthalene	0.632	0.620	1.9	85	0.00
38		1-Methylnaphthalene	0.620	0.606	2.3	85	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	0.540	0.541	-0.2	87	0.00
41	P	Hexachlorocyclopentadiene	0.188	0.204	-8.5	89	0.00
42	S	2,4,6-Tribromophenol	0.187	0.206	-10.2	95	0.00
43	C	2,4,6-Trichlorophenol	0.382	0.403	-5.5	90	0.00
44		2,4,5-Trichlorophenol	0.394	0.393	0.3	85	0.00
45	S	2-Fluorobiphenyl	1.210	1.162	4.0	87	0.00
46		1,1'-Biphenyl	1.392	1.355	2.7	85	0.00
47		2-Chloronaphthalene	1.121	1.098	2.1	86	0.00

Sample Results: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	0.343	0.363	-5.8	86	0.00
49		Acenaphthylene	1.621	1.589	2.0	85	0.00
50		Dimethylphthalate	1.246	1.215	2.5	85	0.00
51		2,6-Dinitrotoluene	0.270	0.288	-6.7	89	0.00
52	C	Acenaphthene	1.049	1.047	0.2	87	0.00
53		3-Nitroaniline	0.278	0.293	-5.4	87	0.00
54	P	2,4-Dinitrophenol	0.093	0.140	-50.5#	120	0.00
55		Dibenzofuran	1.505	1.468	2.5	86	0.00
56	P	4-Nitrophenol	0.214	0.233	-8.9	87	0.00
57		2,4-Dinitrotoluene	0.332	0.372	-12.0	90	0.00
58		Fluorene	1.146	1.120	2.3	87	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.318	-2.9	89	0.00
60		Diethylphthalate	1.223	1.192	2.5	85	0.00
61		4-Chlorophenyl-phenylether	0.579	0.584	-0.9	89	0.00
62		4-Nitroaniline	0.263	0.278	-5.7	88	0.00
63		Azobenzene	1.297	1.216	6.2	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	0.082	0.113	-37.8#	113	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.579	3.3	85	0.00
67		4-Bromophenyl-phenylether	0.206	0.211	-2.4	91	0.00
68		Hexachlorobenzene	0.232	0.233	-0.4	88	0.00
69		Atrazine	0.162	0.165	-1.9	82	0.00
70	C	Pentachlorophenol	0.141	0.161	-14.2	92	0.00
71		Phenanthrene	0.945	0.906	4.1	84	0.00
72		Anthracene	0.922	0.896	2.8	85	0.00
73		Carbazole	0.857	0.815	4.9	84	0.00
74		Di-n-butylphthalate	0.990	0.951	3.9	81	0.00
75	C	Fluoranthene	0.955	0.921	3.6	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	87	0.00
77		Benzidine	0.329	0.410	-24.6	97	0.00
78		Pyrene	1.751	1.747	0.2	84	0.00
79	S	Terphenyl-d14	1.227	1.236	-0.7	86	0.00
80		Butylbenzylphthalate	0.525	0.536	-2.1	84	0.00
81		Benzo(a)anthracene	1.302	1.273	2.2	83	0.00
82		3,3'-Dichlorobenzidine	0.380	0.427	-12.4	95	0.00
83		Chrysene	1.194	1.169	2.1	87	0.00
84		Bis(2-ethylhexyl)phthalate	0.589	0.652	-10.7	90	0.00
85	c	Di-n-octyl phthalate	1.071	1.163	-8.6	89	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.287	1.393	-8.2	93	0.01
88		Benzo(b)fluoranthene	1.218	1.240	-1.8	93	0.00
89		Benzo(k)fluoranthene	1.051	0.912	13.2	77	0.00
90	C	Benzo(a)pyrene	1.002	0.988	1.4	87	0.00
91		Dibenzo(a,h)anthracene	1.073	1.155	-7.6	93	0.00
92		Benzo(g,h,i)perylene	1.072	1.184	-10.4	95	0.00

Sample Results: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	86	0.00
2		1,4-Dioxane	40.000	37.037	7.4	80	-0.02
3		Pyridine	40.000	36.885	7.8	78	-0.01
4		n-Nitrosodimethylamine	40.000	35.634	10.9	76	-0.02
5	S	2-Fluorophenol	80.000	75.624	5.5	81	0.00
6		Aniline	40.000	37.791	5.5	79	0.00
7	S	Phenol-d6	80.000	74.232	7.2	80	0.00
8		2-Chlorophenol	40.000	38.822	2.9	83	0.00
9		Benzaldehyde	40.000	34.967	12.6	75	0.00
10	C	Phenol	40.000	37.690	5.8	81	0.00
11		bis(2-Chloroethyl)ether	40.000	37.428	6.4	82	0.00
12		1,3-Dichlorobenzene	40.000	38.787	3.0	84	0.00
13	C	1,4-Dichlorobenzene	40.000	39.065	2.3	85	0.00
14		1,2-Dichlorobenzene	40.000	39.067	2.3	85	0.00
15		Benzyl Alcohol	40.000	37.958	5.1	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.635	10.9	76	0.00
17		2-Methylphenol	40.000	38.376	4.1	83	0.00
18		Hexachloroethane	40.000	39.057	2.4	83	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.267	9.3	80	0.00
20		3+4-Methylphenols	40.000	37.569	6.1	81	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22		Acetophenone	40.000	37.892	5.3	83	0.00
23	S	Nitrobenzene-d5	80.000	81.286	-1.6	85	0.00
24		Nitrobenzene	40.000	39.191	2.0	82	0.00
25		Isophorone	40.000	37.861	5.3	82	0.00
26	C	2-Nitrophenol	40.000	46.760	-16.9	95	0.00
27		2,4-Dimethylphenol	40.000	37.893	5.3	81	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.381	4.0	83	0.00
29	C	2,4-Dichlorophenol	40.000	39.566	1.1	85	0.00
30		1,2,4-Trichlorobenzene	40.000	39.781	0.5	85	0.00
31		Naphthalene	40.000	39.095	2.3	84	0.00
32		Benzoic acid	40.000	43.797	-9.5	93	0.00
33		4-Chloroaniline	40.000	38.873	2.8	83	0.00
34	C	Hexachlorobutadiene	40.000	40.658	-1.6	87	0.00
35		Caprolactam	40.000	40.120	-0.3	84	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.812	3.0	83	0.00
37		2-Methylnaphthalene	40.000	39.227	1.9	85	0.00
38		1-Methylnaphthalene	40.000	39.120	2.2	85	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.075	-0.2	87	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.472	-8.7	89	0.00
42	S	2,4,6-Tribromophenol	80.000	88.103	-10.1	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.153	-5.4	90	0.00
44		2,4,5-Trichlorophenol	40.000	39.859	0.4	85	0.00
45	S	2-Fluorobiphenyl	80.000	76.849	3.9	87	0.00
46		1,1'-Biphenyl	40.000	38.918	2.7	85	0.00
47		2-Chloronaphthalene	40.000	39.181	2.0	86	0.00

Sample Results: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	42.300	-5.7	86	0.00
49		Acenaphthylene	40.000	39.200	2.0	85	0.00
50		Dimethylphthalate	40.000	39.013	2.5	85	0.00
51		2,6-Dinitrotoluene	40.000	42.654	-6.6	89	0.00
52	C	Acenaphthene	40.000	39.935	0.2	87	0.00
53		3-Nitroaniline	40.000	42.145	-5.4	87	0.00
54	P	2,4-Dinitrophenol	40.000	52.556	-31.4#	120	0.00
55		Dibenzofuran	40.000	39.034	2.4	86	0.00
56	P	4-Nitrophenol	40.000	43.593	-9.0	87	0.00
57		2,4-Dinitrotoluene	40.000	44.817	-12.0	90	0.00
58		Fluorene	40.000	39.085	2.3	87	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.221	-3.1	89	0.00
60		Diethylphthalate	40.000	38.979	2.6	85	0.00
61		4-Chlorophenyl-phenylether	40.000	40.360	-0.9	89	0.00
62		4-Nitroaniline	40.000	42.376	-5.9	88	0.00
63		Azobenzene	40.000	37.507	6.2	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	40.000	55.496	-38.7#	113	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.723	3.2	85	0.00
67		4-Bromophenyl-phenylether	40.000	40.947	-2.4	91	0.00
68		Hexachlorobenzene	40.000	40.278	-0.7	88	0.00
69		Atrazine	40.000	40.631	-1.6	82	0.00
70	C	Pentachlorophenol	40.000	45.879	-14.7	92	0.00
71		Phenanthrene	40.000	38.377	4.1	84	0.00
72		Anthracene	40.000	38.865	2.8	85	0.00
73		Carbazole	40.000	38.023	4.9	84	0.00
74		Di-n-butylphthalate	40.000	38.399	4.0	81	0.00
75	C	Fluoranthene	40.000	38.592	3.5	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	87	0.00
77		Benzidine	40.000	49.870	-24.7	97	0.00
78		Pyrene	40.000	39.923	0.2	84	0.00
79	S	Terphenyl-d14	80.000	80.588	-0.7	86	0.00
80		Butylbenzylphthalate	40.000	40.854	-2.1	84	0.00
81		Benzo(a)anthracene	40.000	39.104	2.2	83	0.00
82		3,3'-Dichlorobenzidine	40.000	44.975	-12.4	95	0.00
83		Chrysene	40.000	39.187	2.0	87	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.280	-10.7	90	0.00
85	c	Di-n-octyl phthalate	40.000	43.437	-8.6	89	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.321	-8.3	93	0.01
88		Benzo(b)fluoranthene	40.000	40.699	-1.7	93	0.00
89		Benzo(k)fluoranthene	40.000	34.716	13.2	77	0.00
90	C	Benzo(a)pyrene	40.000	39.411	1.5	87	0.00
91		Dibenzo(a,h)anthracene	40.000	43.038	-7.6	93	0.00
92		Benzo(g,h,i)perylene	40.000	44.179	-10.4	95	0.00

Sample Results: **BF139952.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139952.D
Acq On : 23 Oct 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 23 11:08:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.931		0.0	
Phenol-d6	1.655	1.521		-8.1	
Phenol	1.706	1.601		-6.2	20.0
bis(2-Chloroethyl)ether	1.319	1.259		-4.5	
2-Chlorophenol	1.306	1.259		-3.6	
2-Methylphenol	1.114	1.047		-6.0	
2,2-oxybis(1-Chloropropane)	2.248	1.948		-13.3	
Acetophenone	0.490	0.472		-3.7	
3+4-Methylphenols	1.424	1.322		-7.2	
n-Nitroso-di-n-propylamine	1.004	0.889	0.050	-11.5	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.526		-1.5	
Nitrobenzene	0.396	0.397		0.3	
Isophorone	0.685	0.655		-4.4	
2-Nitrophenol	0.149	0.178		19.5	20.0
2,4-Dimethylphenol	0.249	0.238		-4.4	
bis(2-Chloroethoxy)methane	0.415	0.407		-1.9	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.031	1.015		-1.6	
4-Chloroaniline	0.352	0.336		-4.5	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.306		-2.5	20.0
2-Methylnaphthalene	0.632	0.623		-1.4	
Hexachlorocyclopentadiene	0.188	0.199	0.050	5.9	
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.393		0.1	
2-Chloronaphthalene	1.121	1.127		0.5	
2-Nitroaniline	0.343	0.369		7.6	
Dimethylphthalate	1.246	1.232		-1.1	
Acenaphthylene	1.621	1.600		-1.3	
2,6-Dinitrotoluene	0.270	0.292		8.1	
3-Nitroaniline	0.278	0.285		2.5	
Acenaphthene	1.049	1.061		1.1	20.0
2,4-Dinitrophenol	0.093	0.142	0.050	52.7	
4-Nitrophenol	0.214	0.216	0.050	0.9	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.482		-1.5	
2,4-Dinitrotoluene	0.332	0.371		11.7	
Diethylphthalate	1.223	1.183		-3.3	
4-Chlorophenyl-phenylether	0.579	0.577		-0.3	
Fluorene	1.146	1.115		-2.7	
4-Nitroaniline	0.263	0.268		1.9	
4,6-Dinitro-2-methylphenol	0.082	0.115		40.2	
n-Nitrosodiphenylamine	0.599	0.597		-0.3	20.0
2,4,6-Tribromophenol	0.187	0.207		10.7	
4-Bromophenyl-phenylether	0.206	0.220		6.8	
Hexachlorobenzene	0.232	0.242		4.3	
Atrazine	0.162	0.163		0.6	
Pentachlorophenol	0.141	0.159		12.8	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.910		-1.3	
Carbazole	0.857	0.810		-5.5	
Di-n-butylphthalate	0.990	0.945		-4.5	
Fluoranthene	0.955	0.896		-6.2	20.0
Pyrene	1.751	1.855		5.9	
Terphenyl-d14	1.227	1.306		6.4	
Butylbenzylphthalate	0.525	0.544		3.6	
3,3-Dichlorobenzidine	0.380	0.435		14.5	
Benzo(a)anthracene	1.302	1.322		1.5	
Chrysene	1.194	1.125		-5.8	
Bis(2-ethylhexyl)phthalate	0.589	0.627		6.5	
Di-n-octyl phthalate	1.071	1.102		2.9	20.0
Benzo(b)fluoranthene	1.218	1.087		-10.8	
Benzo(k)fluoranthene	1.051	1.032		-1.8	
Benzo(a)pyrene	1.002	0.984		-1.8	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.386		7.7	
Dibenzo(a,h)anthracene	1.073	1.154		7.5	
Benzo(g,h,i)perylene	1.072	1.167		8.9	
1,2,4,5-Tetrachlorobenzene	0.540	0.560		3.7	
1,4-Dioxane	0.596	0.573		-3.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.321		3.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	162461	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	593909	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	325446	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	551060	20.000	ng		0.00
76) Chrysene-d12	14.051	240	264546	20.000	ng		0.00
86) Perylene-d12	15.533	264	308388	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	785302	75.672	ng		0.00
7) Phenol-d6	6.510	99	988444	73.541	ng		0.00
23) Nitrobenzene-d5	7.451	82	889079	82.969	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	269743	88.611	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1557843	79.111	ng		0.00
79) Terphenyl-d14	12.998	244	1381525	85.096	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	186182	38.479	ng		92
3) Pyridine	3.434	79	457587	38.153	ng		95
4) n-Nitrosodimethylamine	3.387	42	223610	34.702	ng		93
6) Aniline	6.551	93	466105	37.209	ng		98
8) 2-Chlorophenol	6.675	128	409134	38.564	ng		98
9) Benzaldehyde	6.440	77	302456	40.001	ng		97
10) Phenol	6.528	94	520234m	37.544	ng		
11) bis(2-Chloroethyl)ether	6.628	93	408985	38.186	ng		98
12) 1,3-Dichlorobenzene	6.834	146	475014	39.005	ng		99
13) 1,4-Dichlorobenzene	6.910	146	476387	39.154	ng		100
14) 1,2-Dichlorobenzene	7.063	146	444385	39.134	ng		98
15) Benzyl Alcohol	7.028	79	367419	37.266	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	632869	34.654	ng		97
17) 2-Methylphenol	7.134	107	340117	37.597	ng		99
18) Hexachloroethane	7.404	117	170793	39.364	ng		97
19) n-Nitroso-di-n-propyla...	7.304	70	288756	35.422	ng		96
20) 3+4-Methylphenols	7.287	107	429485	37.117	ng		99
22) Acetophenone	7.298	105	560330	38.519	ng		98
24) Nitrobenzene	7.475	77	471946	40.170	ng		97
25) Isophorone	7.710	82	778277	38.266	ng		99
26) 2-Nitrophenol	7.787	139	212018	47.835	ng		96
27) 2,4-Dimethylphenol	7.816	122	282380	38.208	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	483000	39.197	ng		100
29) 2,4-Dichlorophenol	8.022	162	338602	40.223	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	379262	40.717	ng		99
31) Naphthalene	8.192	128	1205536	39.358	ng		100
32) Benzoic acid	7.922	122	286230	44.404	ng		97
33) 4-Chloroaniline	8.239	127	399083	38.210	ng		98
34) Hexachlorobutadiene	8.310	225	241696	41.298	ng		99
35) Caprolactam	8.610	113	105511	39.419	ng	#	89
36) 4-Chloro-3-methylphenol	8.716	107	363168	38.961	ng		97
37) 2-Methylnaphthalene	8.886	142	740369	39.467	ng		99
38) 1-Methylnaphthalene	8.986	142	722456	39.253	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	364431	41.507	ng		99
41) Hexachlorocyclopentadiene	9.039	237	129438	42.369	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	251948	40.531	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

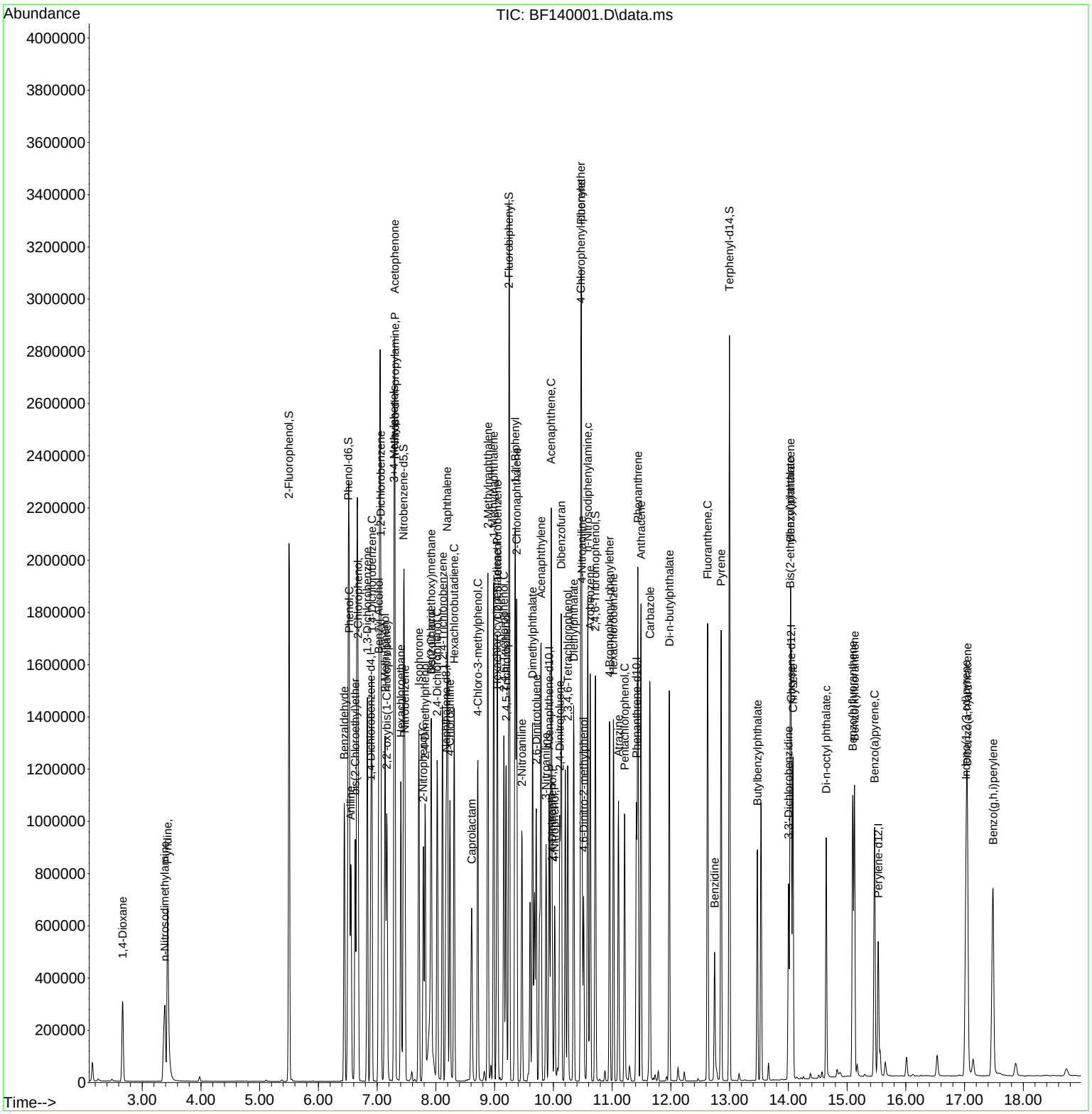
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	270426	42.166	ng		98
46) 1,1'-Biphenyl	9.351	154	906616	40.017	ng		99
47) 2-Chloronaphthalene	9.375	162	733451	40.195	ng		99
48) 2-Nitroaniline	9.463	65	239883	42.983	ng		97
49) Acenaphthylene	9.792	152	1041391	39.476	ng		100
50) Dimethylphthalate	9.645	163	801985	39.563	ng		100
51) 2,6-Dinitrotoluene	9.710	165	190116	43.315	ng		93
52) Acenaphthene	9.963	154	690672	40.473	ng		98
53) 3-Nitroaniline	9.875	138	185713	41.030	ng		98
54) 2,4-Dinitrophenol	9.980	184	92106	52.914	ng	#	1
55) Dibenzofuran	10.133	168	964830	39.406	ng		98
56) 4-Nitrophenol	10.022	139	140574	40.368	ng		99
57) 2,4-Dinitrotoluene	10.110	165	241540	44.750	ng		95
58) Fluorene	10.475	166	725502	38.903	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	208621	41.495	ng		96
60) Diethylphthalate	10.345	149	769726	38.673	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	375551	39.877	ng		98
62) 4-Nitroaniline	10.486	138	174132	40.734	ng		96
63) Azobenzene	10.628	77	785480	37.225	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	126912	56.462	ng		94
66) n-Nitrosodiphenylamine	10.586	169	657938	39.892	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	242294	42.680	ng		96
68) Hexachlorobenzene	11.022	284	267054	41.827	ng		98
69) Atrazine	11.110	200	179895	40.265	ng		99
70) Pentachlorophenol	11.216	266	175060	45.178	ng		99
71) Phenanthrene	11.439	178	1015890	39.028	ng		100
72) Anthracene	11.492	178	1002955	39.491	ng		100
73) Carbazole	11.645	167	893010	37.808	ng		99
74) Di-n-butylphthalate	11.974	149	1041401	38.163	ng		99
75) Fluoranthene	12.627	202	987214	37.517	ng		99
77) Benzidine	12.745	184	286923	65.959	ng		100
78) Pyrene	12.857	202	981324	42.378	ng		100
80) Butylbenzylphthalate	13.474	149	287725	41.445	ng		97
81) Benzo(a)anthracene	14.039	228	699263	40.605	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	229894	45.786	ng		99
83) Chrysene	14.080	228	594964	37.681	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	331672	42.582	ng	#	99
85) Di-n-octyl phthalate	14.645	149	583105	41.159	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	854880	43.090	ng		98
88) Benzo(b)fluoranthene	15.098	252	670218	35.677	ng		100
89) Benzo(k)fluoranthene	15.127	252	636690	39.299	ng		99
90) Benzo(a)pyrene	15.468	252	606890	39.262	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	712057	43.023	ng		98
92) Benzo(g,h,i)perylene	17.486	276	720021	43.554	ng		99

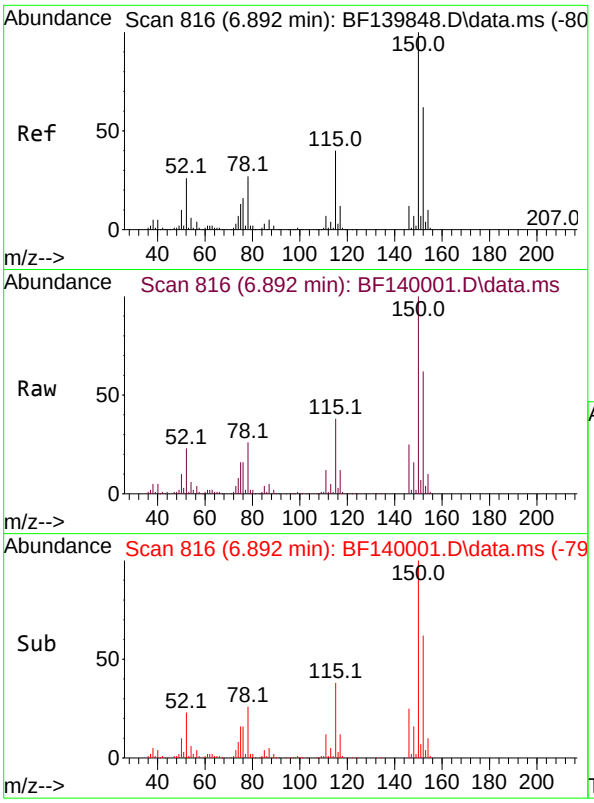
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



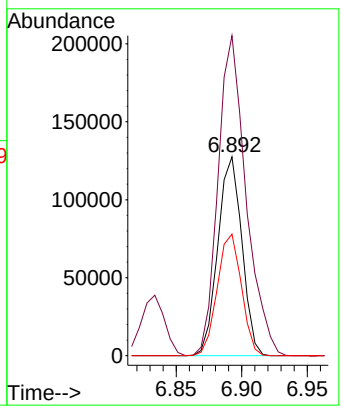


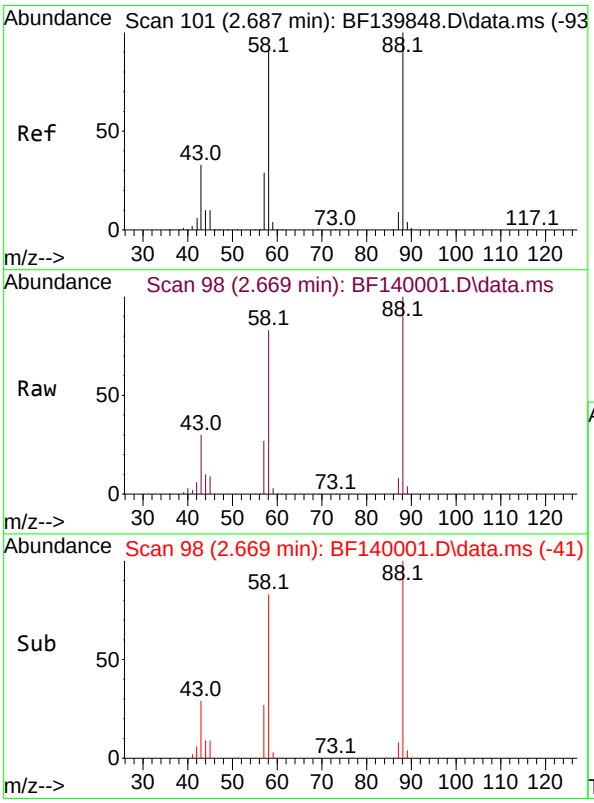
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 162461

Ion	Ratio	Lower	Upper
152	100		
150	160.9	130.2	195.2
115	61.1	51.4	77.2

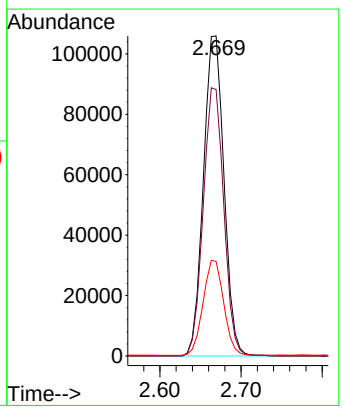


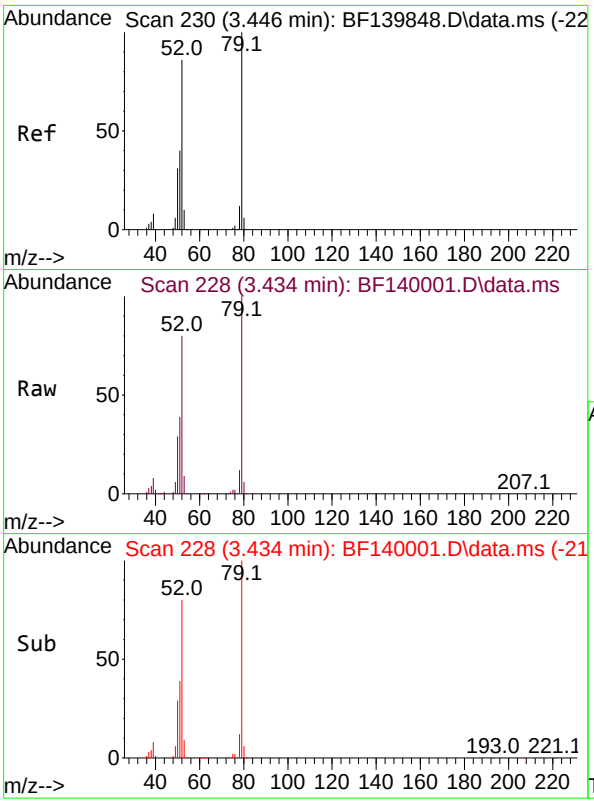


#2
1,4-Dioxane
Concen: 38.479 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 88 Resp: 186182

Ion	Ratio	Lower	Upper
88	100		
58	83.9	73.3	109.9
43	29.7	27.1	40.7



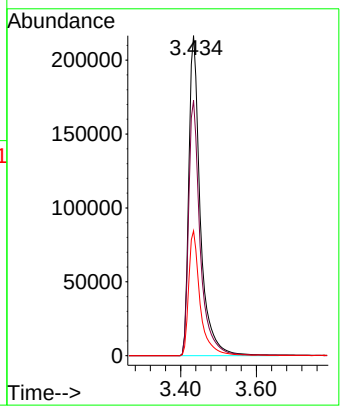


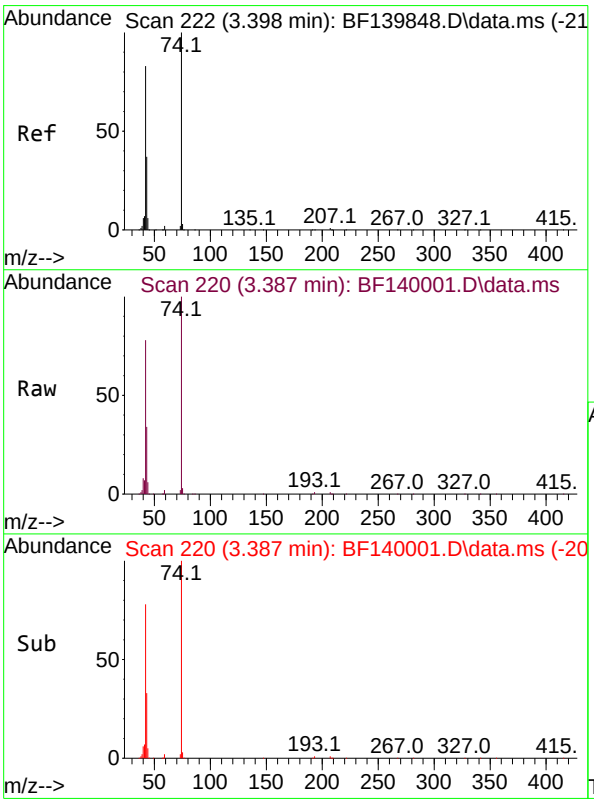
#3
Pyridine
Concen: 38.153 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 457587

Ion	Ratio	Lower	Upper
79	100		
52	79.7	68.5	102.7
51	39.0	32.3	48.5

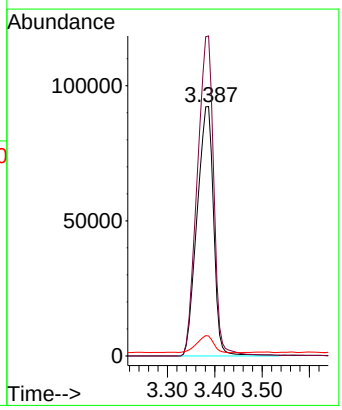


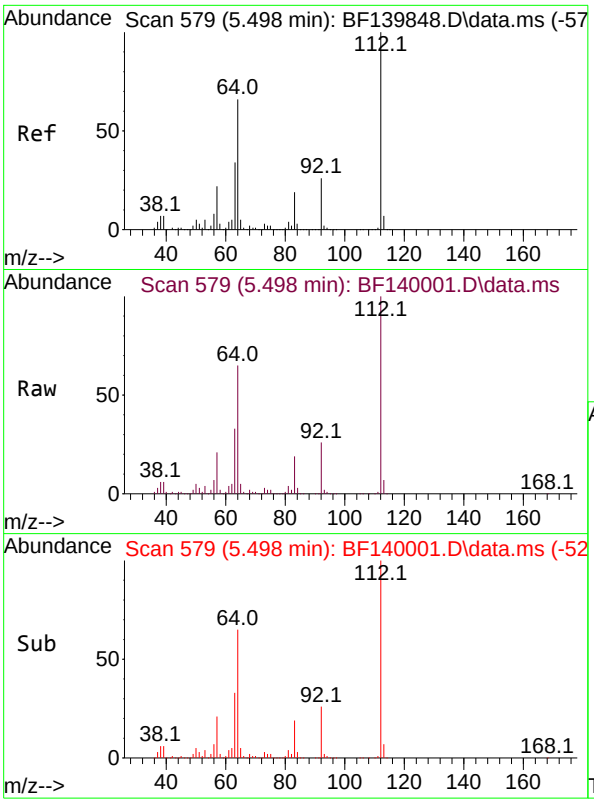


#4
n-Nitrosodimethylamine
Concen: 34.702 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 42 Resp: 223610

Ion	Ratio	Lower	Upper
42	100		
74	128.3	96.2	144.4
44	8.1	6.2	9.2



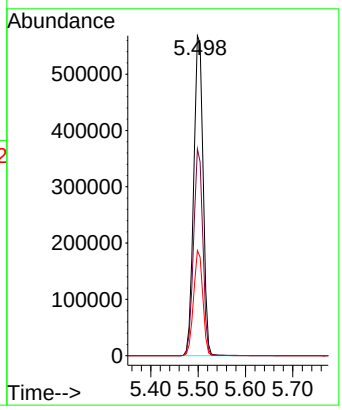


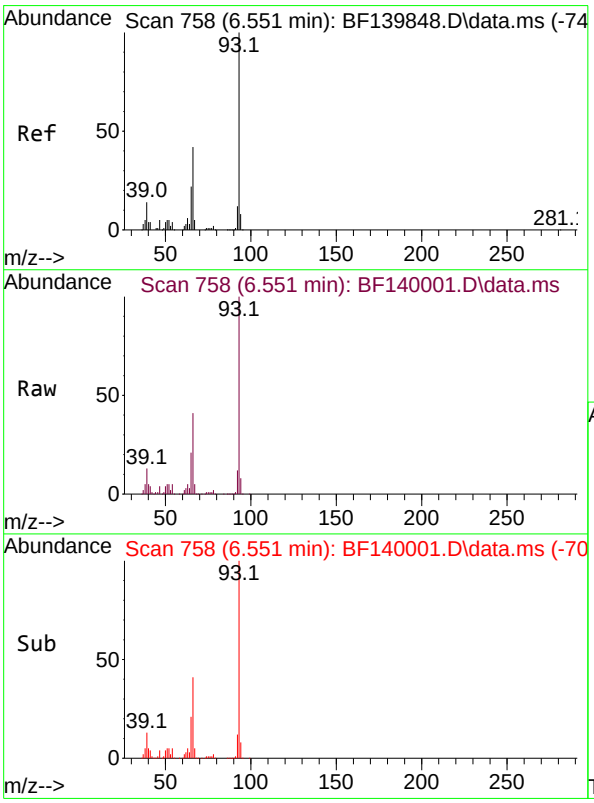
#5
2-Fluorophenol
Concen: 75.672 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 785302

Ion	Ratio	Lower	Upper
112	100		
64	64.6	53.0	79.6
63	32.8	27.0	40.4

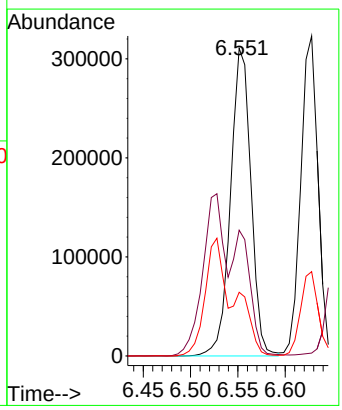


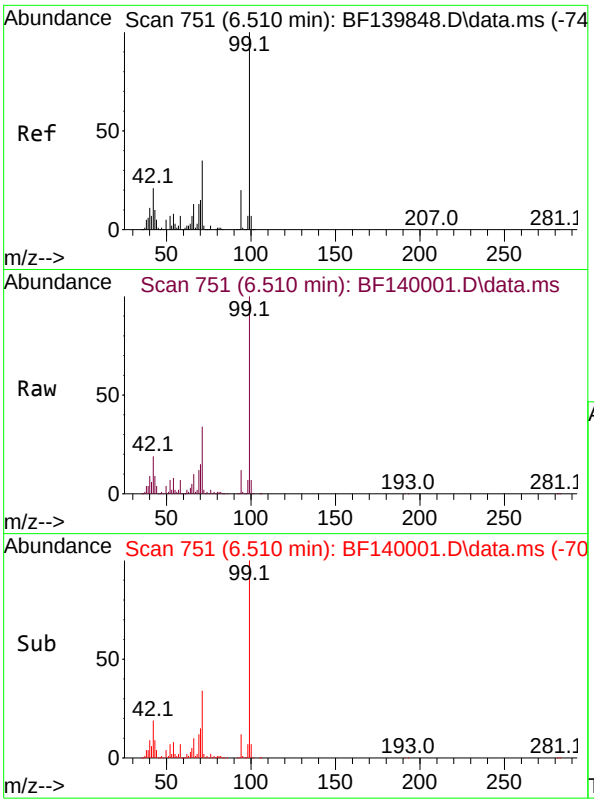


#6
Aniline
Concen: 37.209 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 93 Resp: 466105

Ion	Ratio	Lower	Upper
93	100		
66	40.9	34.0	51.0
65	20.7	17.4	26.0



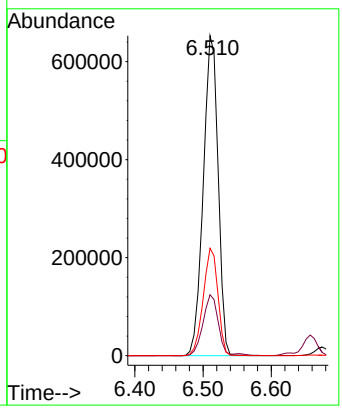


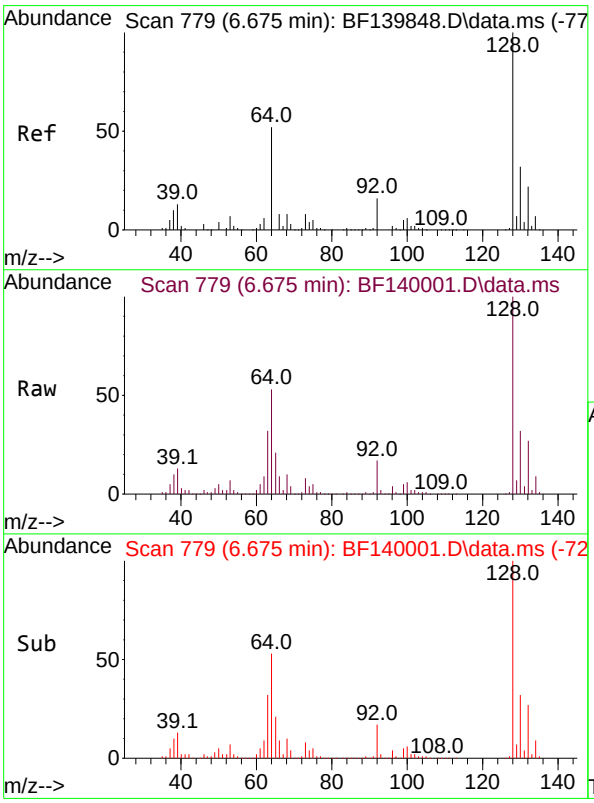
#7
Phenol-d6
Concen: 73.541 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 988444

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	33.5	27.7	41.5

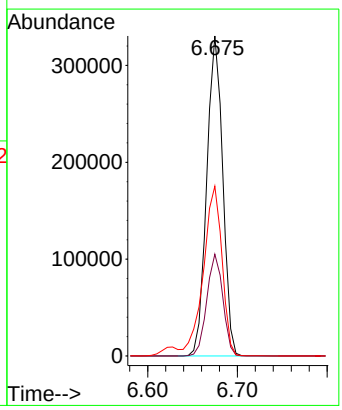


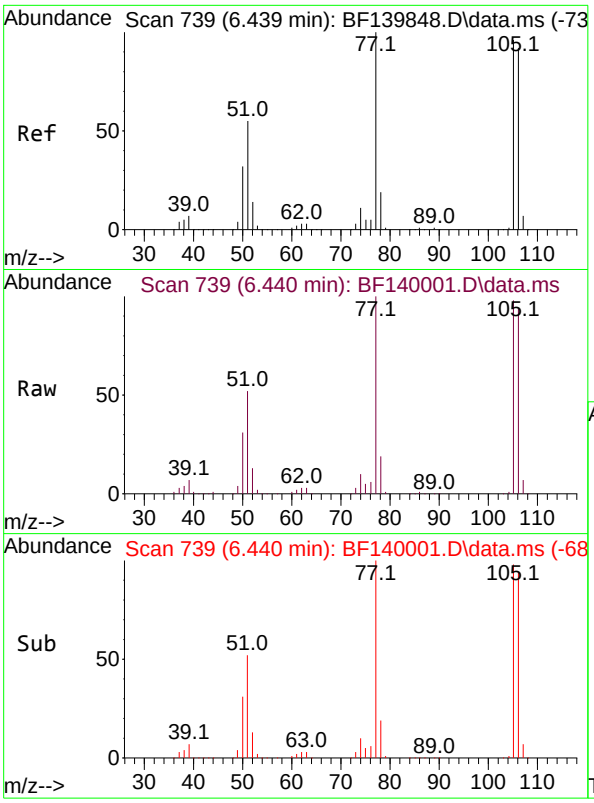


#8
2-Chlorophenol
Concen: 38.564 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:128 Resp: 409134

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.3	52.3
64	53.0	34.6	74.6



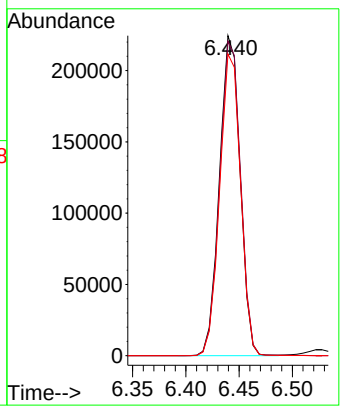


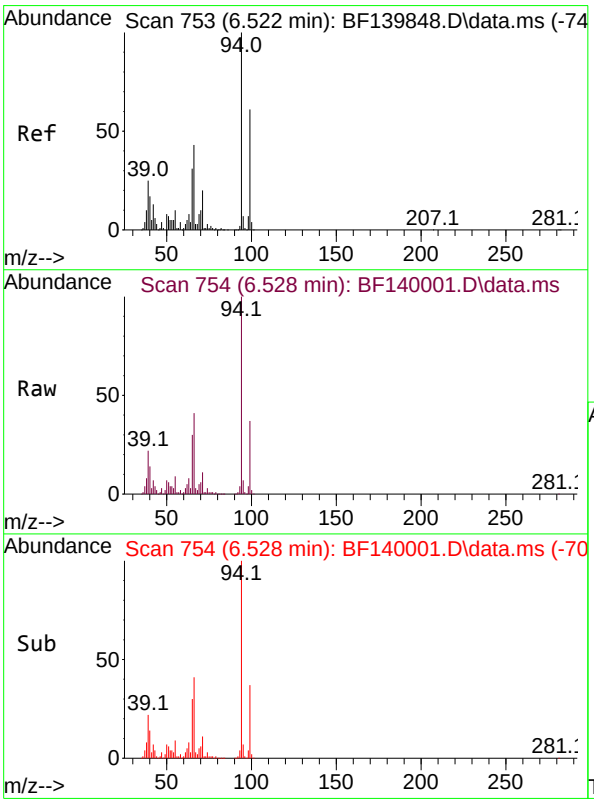
#9
Benzaldehyde
Concen: 40.001 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 302456

Ion	Ratio	Lower	Upper
77	100		
105	98.2	75.5	115.5
106	94.3	71.7	111.7

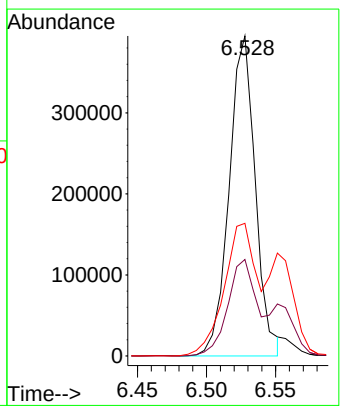


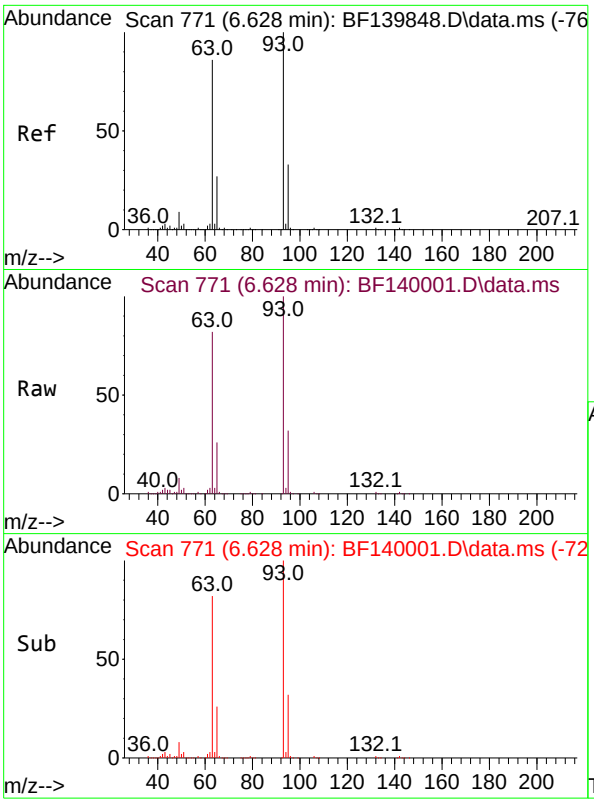


#10
Phenol
Concen: 37.544 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 94 Resp: 520234

Ion	Ratio	Lower	Upper
94	100		
65	30.1	11.1	51.1
66	41.5	22.7	62.7



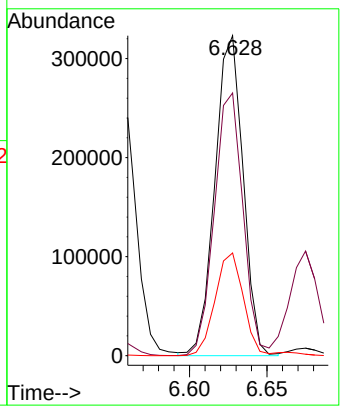


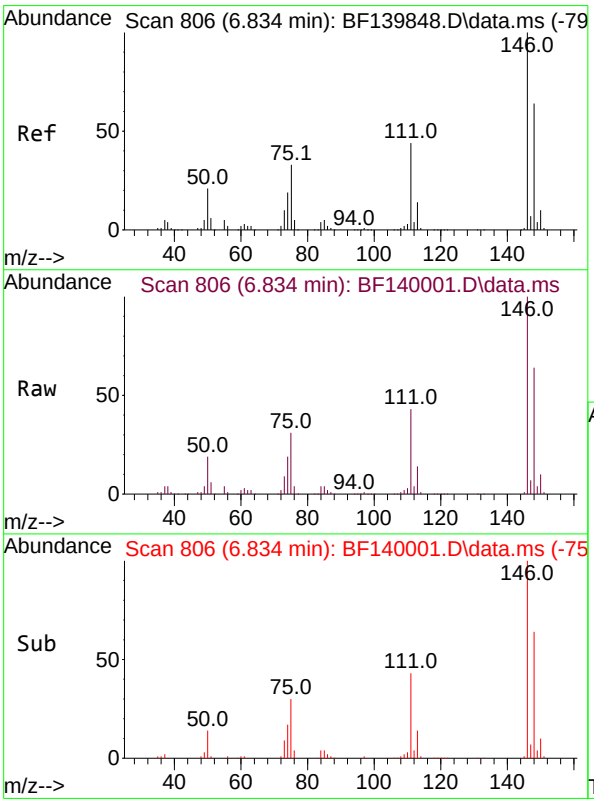
#11
bis(2-Chloroethyl)ether
Concen: 38.186 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 408985

Ion	Ratio	Lower	Upper
93	100		
63	82.1	65.0	105.0
95	32.1	12.4	52.4

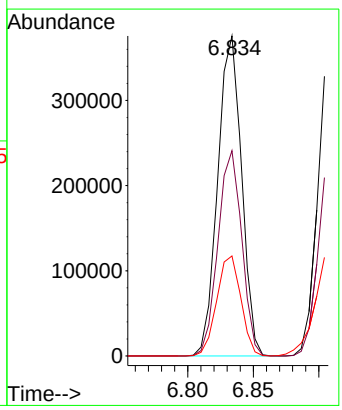


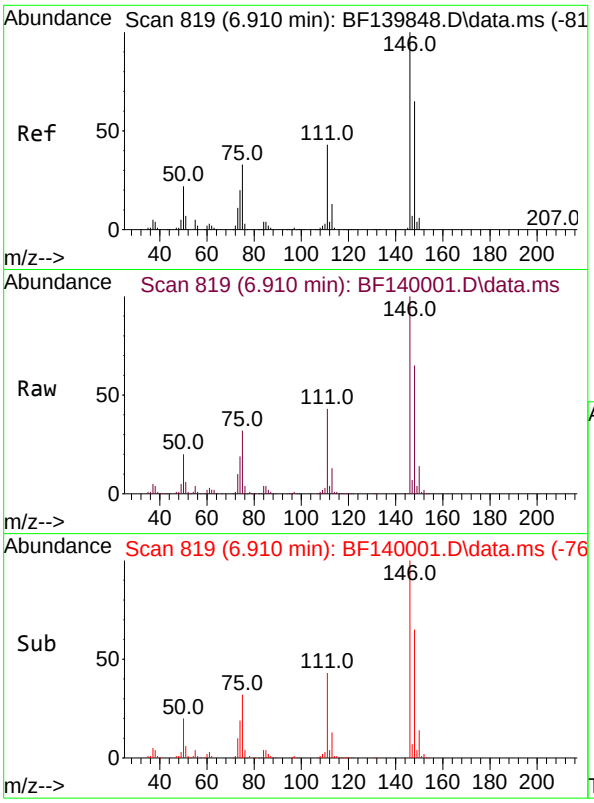


#12
1,3-Dichlorobenzene
Concen: 39.005 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:146 Resp: 475014

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
75	31.2	26.4	39.6



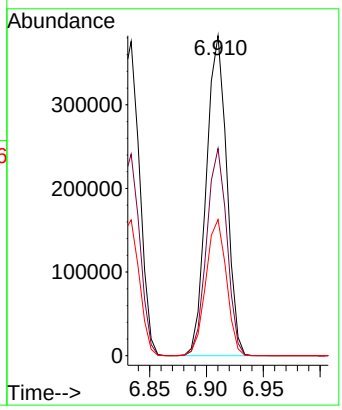


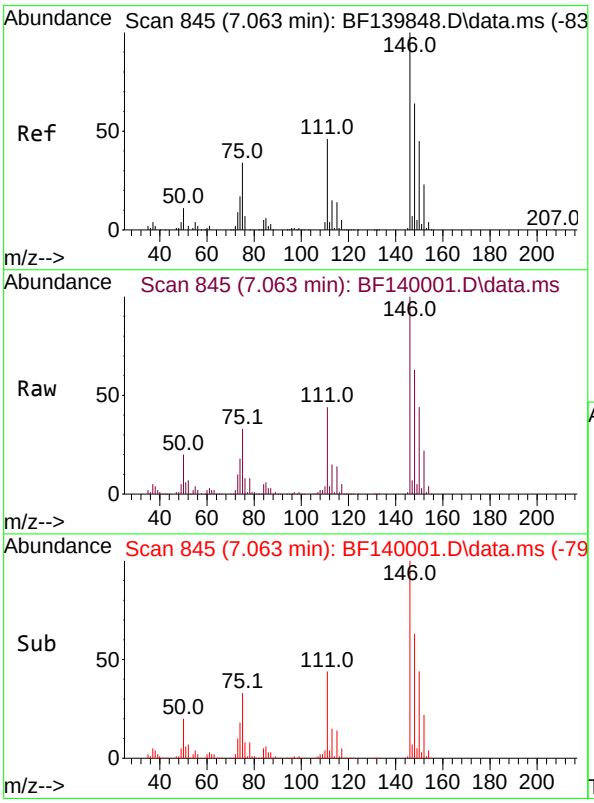
#13
1,4-Dichlorobenzene
Concen: 39.154 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 476387

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.8
111	42.6	34.6	51.8

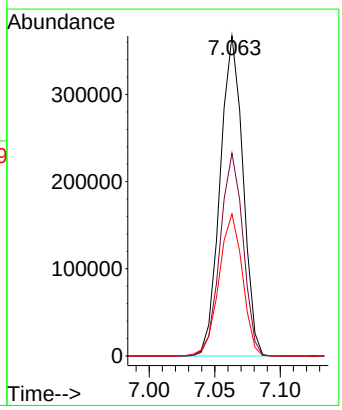


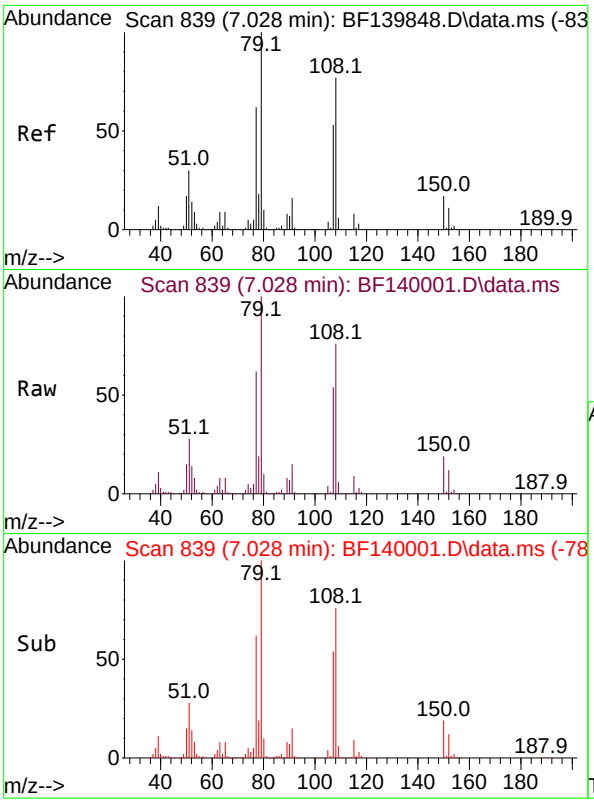


#14
1,2-Dichlorobenzene
Concen: 39.134 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:146 Resp: 444385

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
111	44.4	36.7	55.1



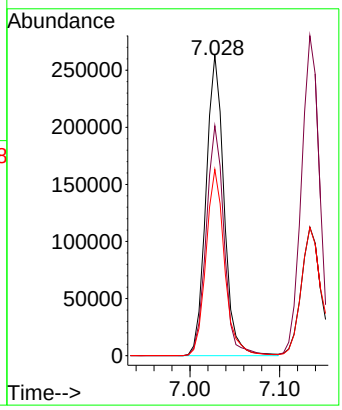


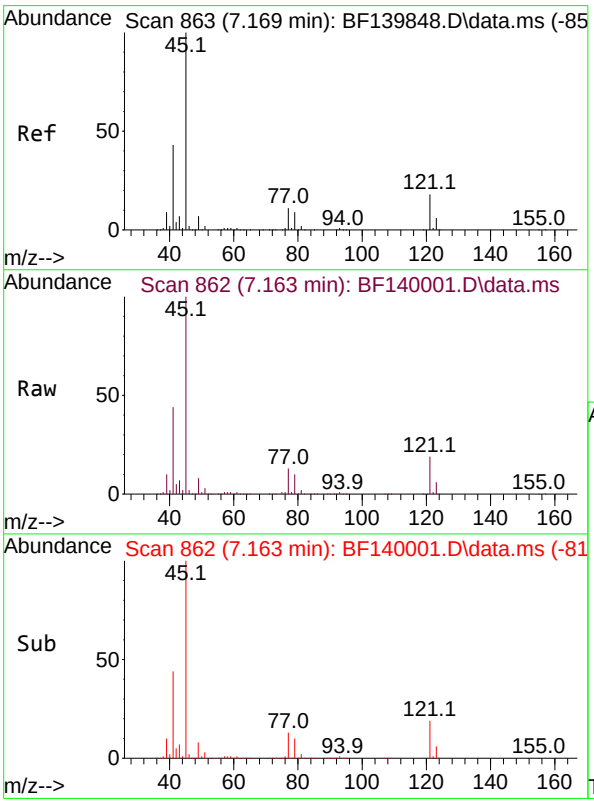
#15
Benzyl Alcohol
Concen: 37.266 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 367419

Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.4	92.0
77	62.0	49.9	74.9

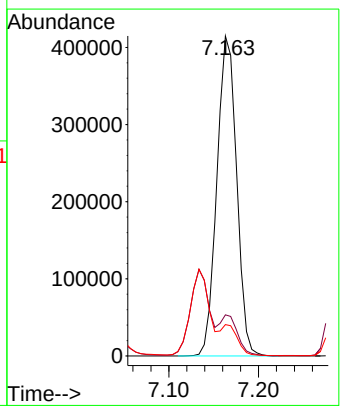


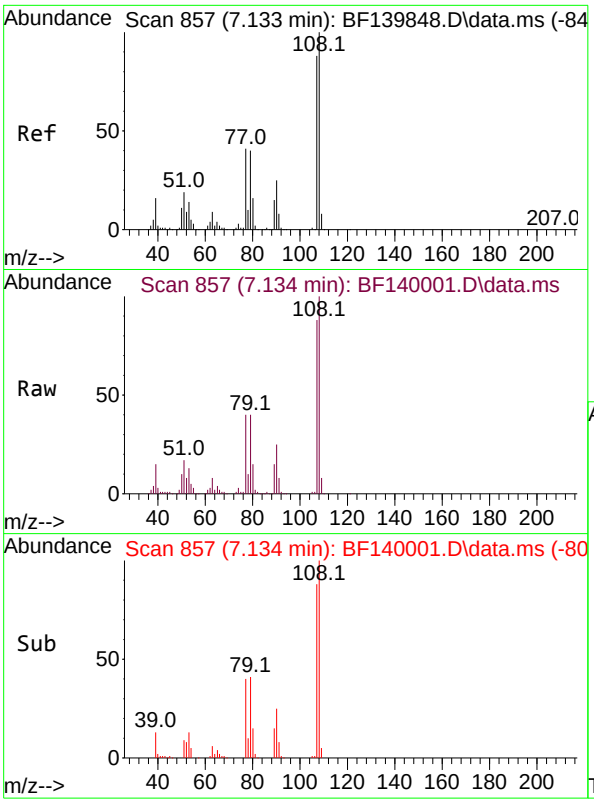


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.654 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 45 Resp: 632869

Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	31.5
79	9.8	0.0	29.1



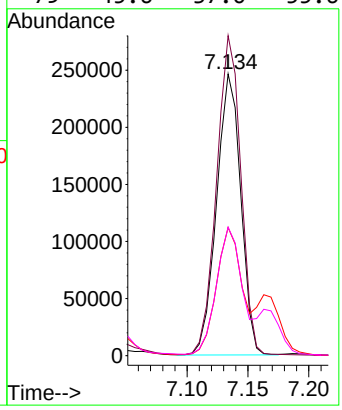


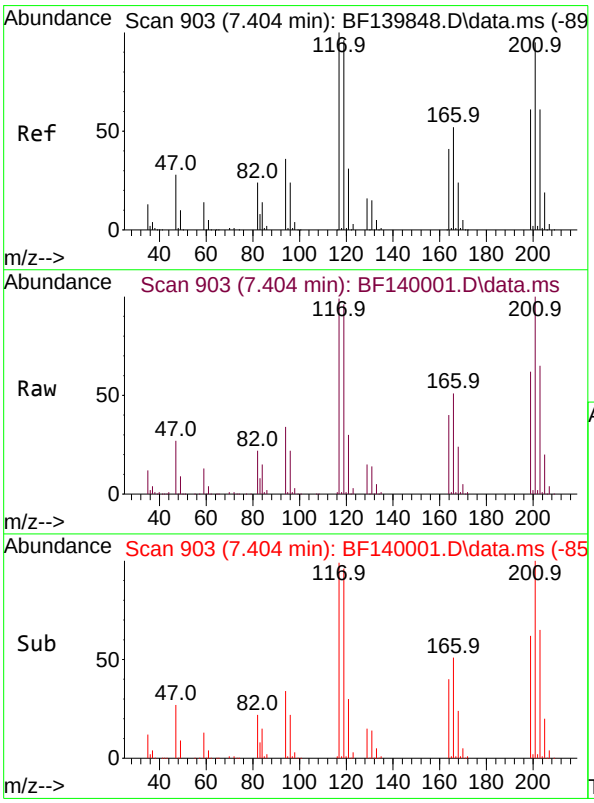
#17
2-Methylphenol
Concen: 37.597 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 340117

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.3	136.9
77	45.5	37.1	55.7
79	45.6	37.0	55.6

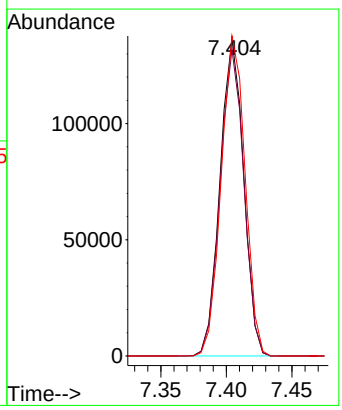


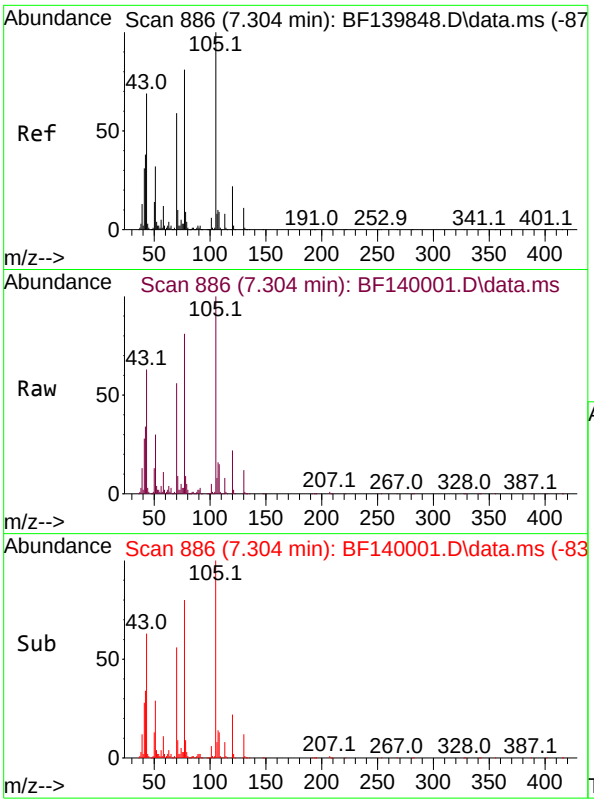


#18
Hexachloroethane
Concen: 39.364 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:117 Resp: 170793

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.0	115.4
201	100.8	76.2	114.4



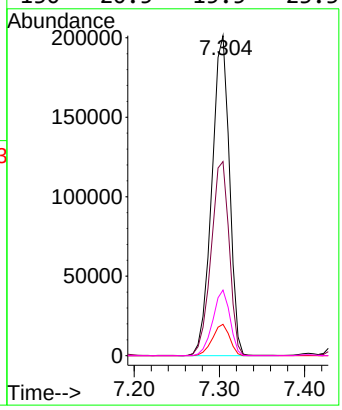


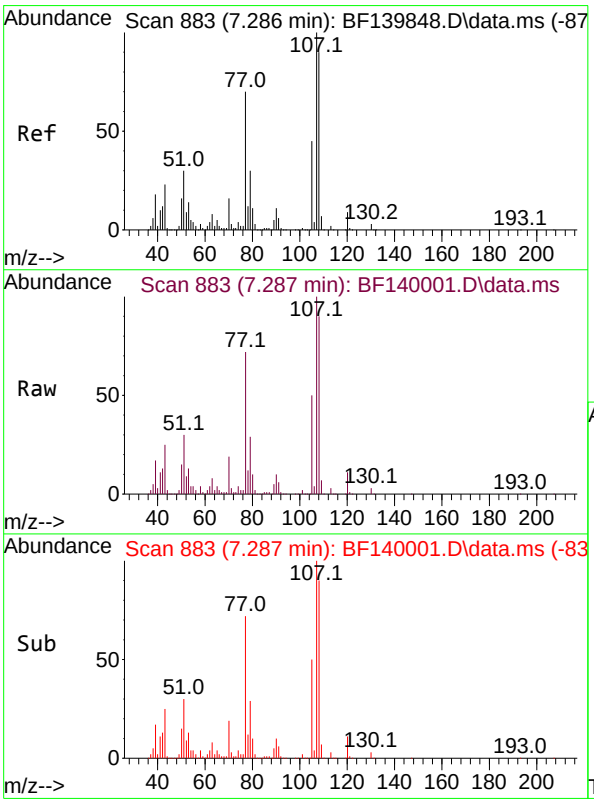
#19
n-Nitroso-di-n-propylamine
Concen: 35.422 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 288756

Ion	Ratio	Lower	Upper
70	100		
42	60.7	51.5	77.3
101	9.8	7.5	11.3
130	20.5	15.5	23.3

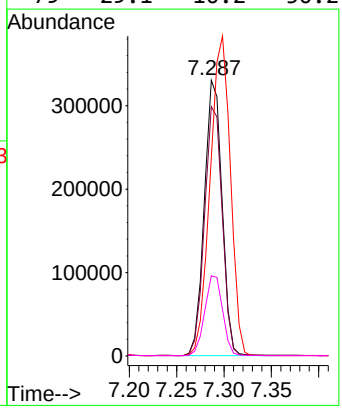


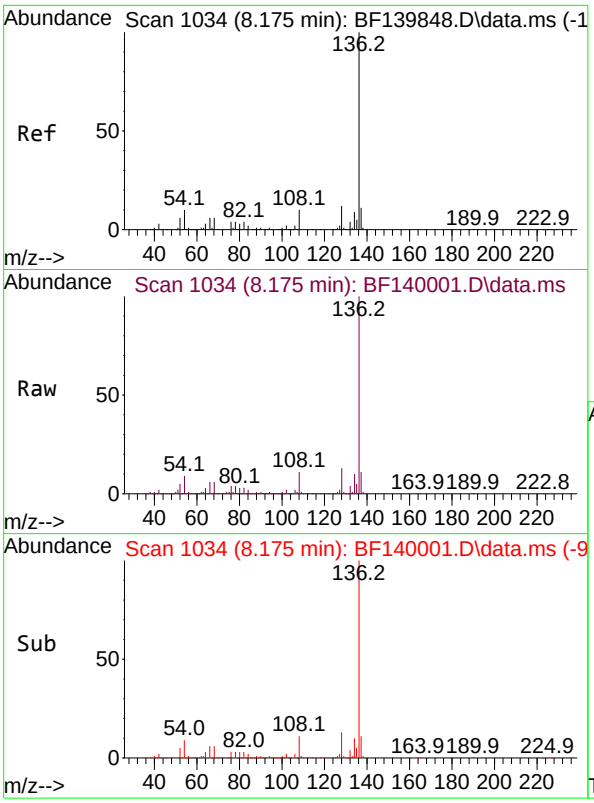


#20
3+4-Methylphenols
Concen: 37.117 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:107 Resp: 429485

Ion	Ratio	Lower	Upper
107	100		
108	90.4	69.8	109.8
77	71.9	50.5	90.5
79	29.1	10.2	50.2



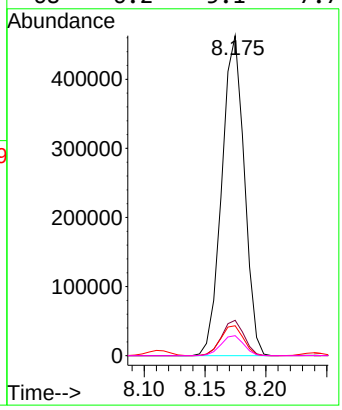


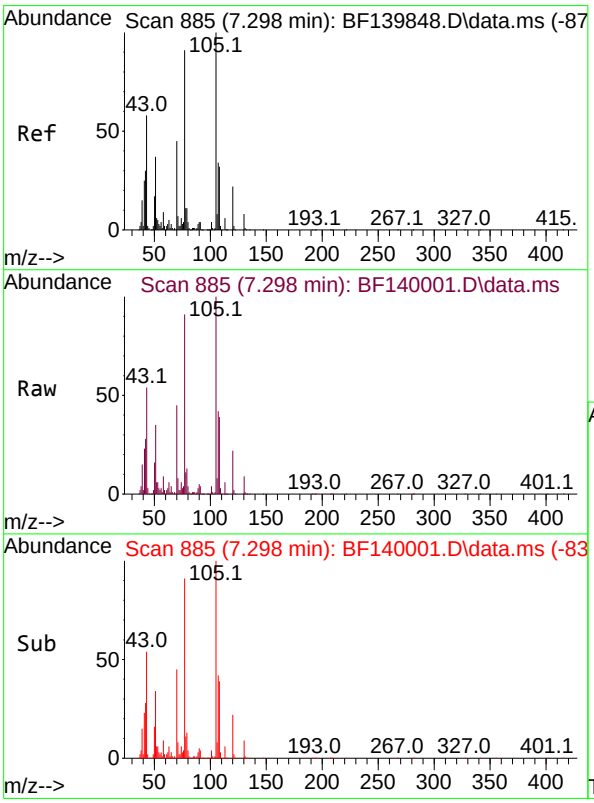
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 593909

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.3	8.4	12.6
68	6.2	5.1	7.7

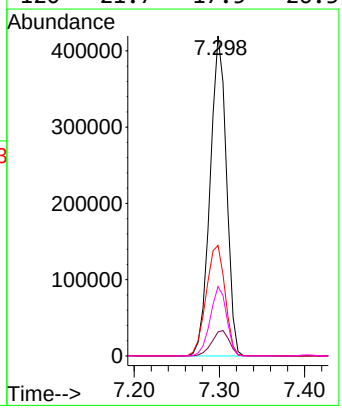


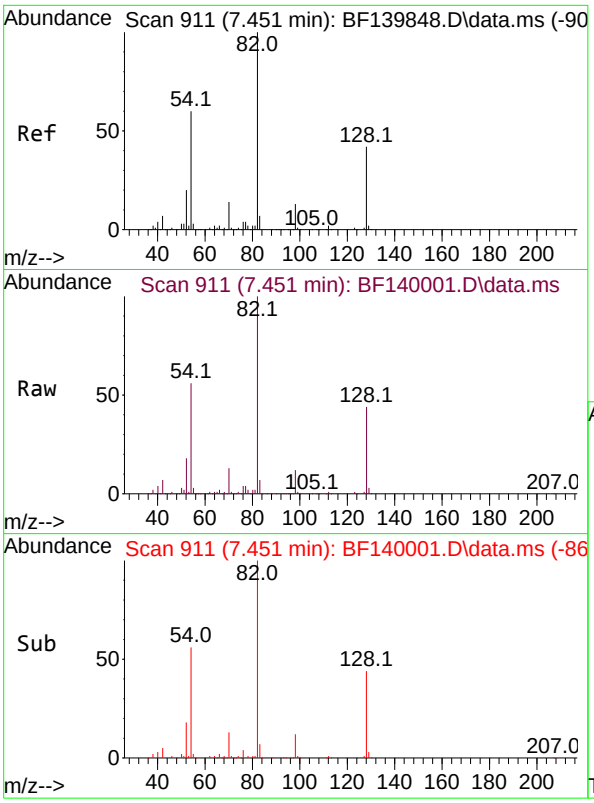


#22
Acetophenone
Concen: 38.519 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:105 Resp: 560330

Ion	Ratio	Lower	Upper
105	100		
71	7.5	5.9	8.9
51	34.5	29.4	44.2
120	21.7	17.5	26.3



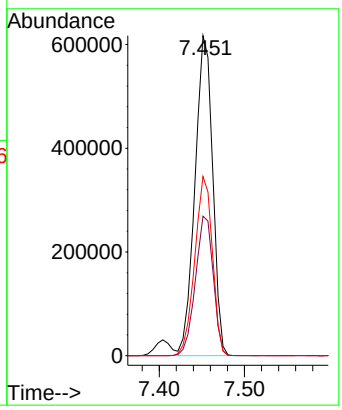


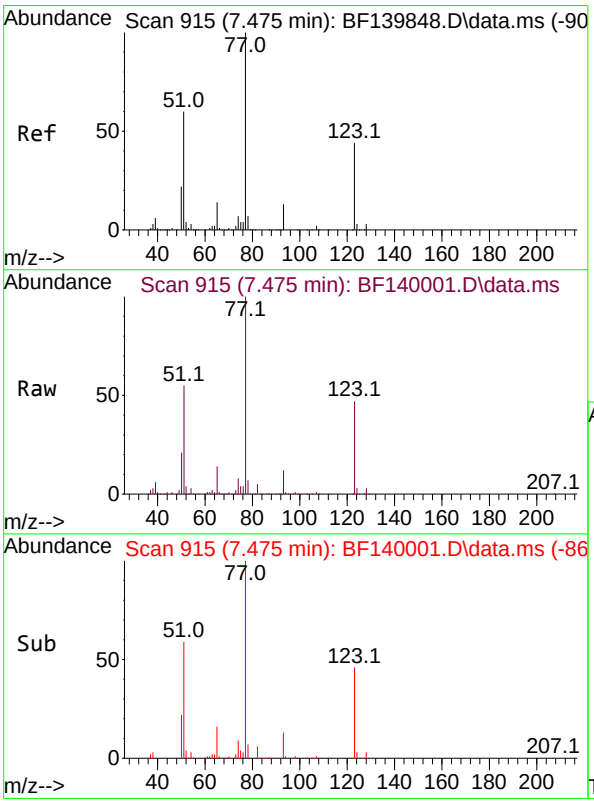
#23
Nitrobenzene-d5
Concen: 82.969 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 889079

Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.4	50.0
54	56.0	47.8	71.8

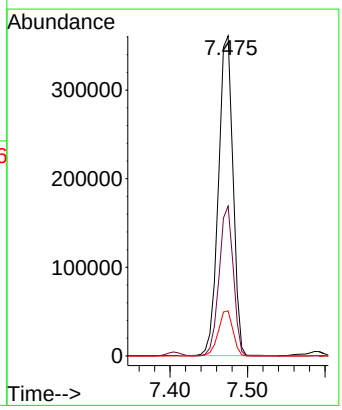


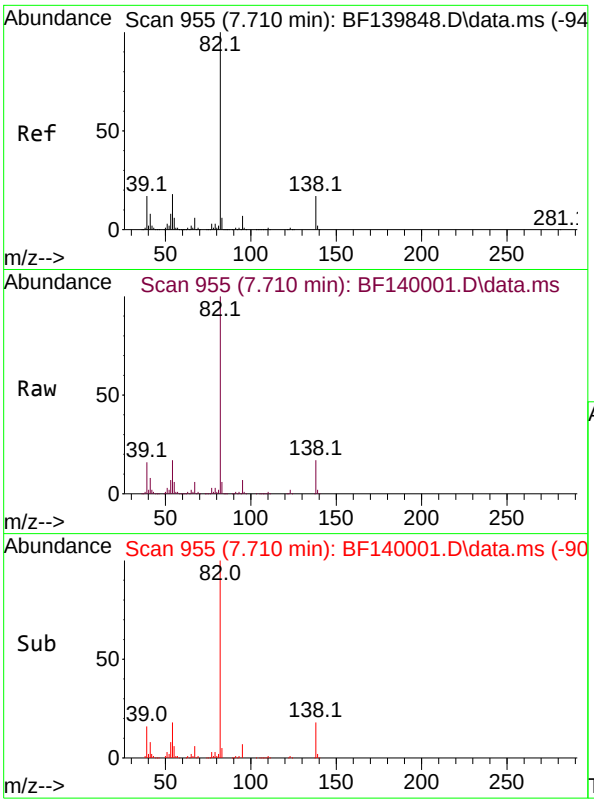


#24
Nitrobenzene
Concen: 40.170 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 77 Resp: 471946

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.7	53.5
65	14.1	11.5	17.3



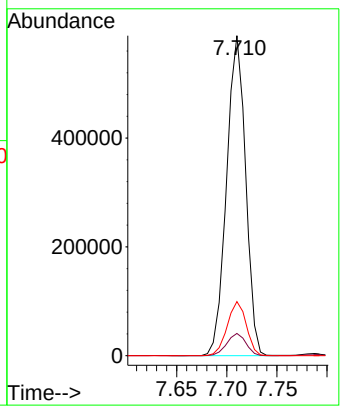


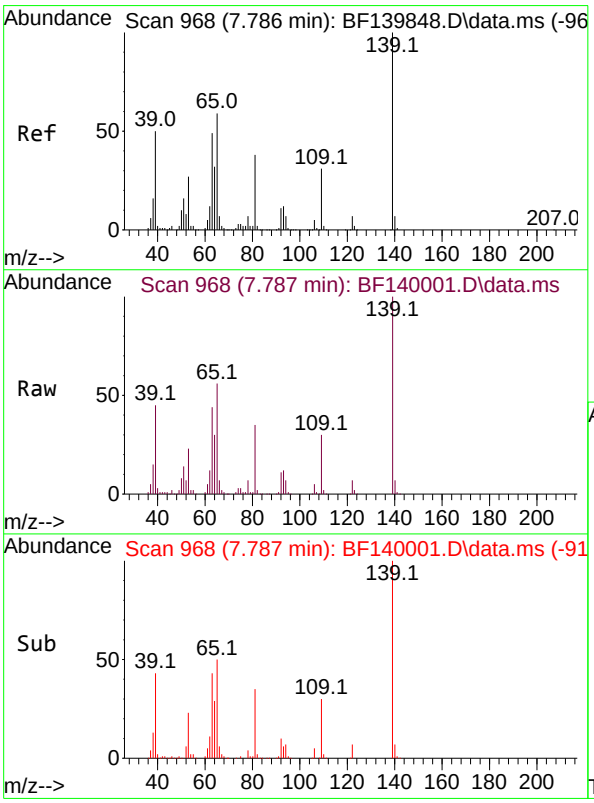
#25
Isophorone
Concen: 38.266 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 778277

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	16.9	13.2	19.8

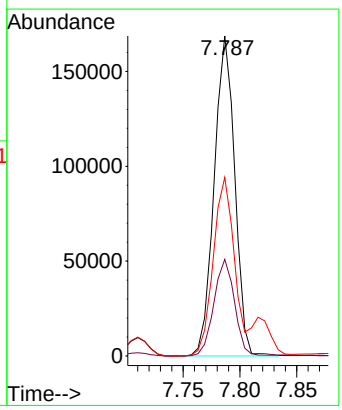


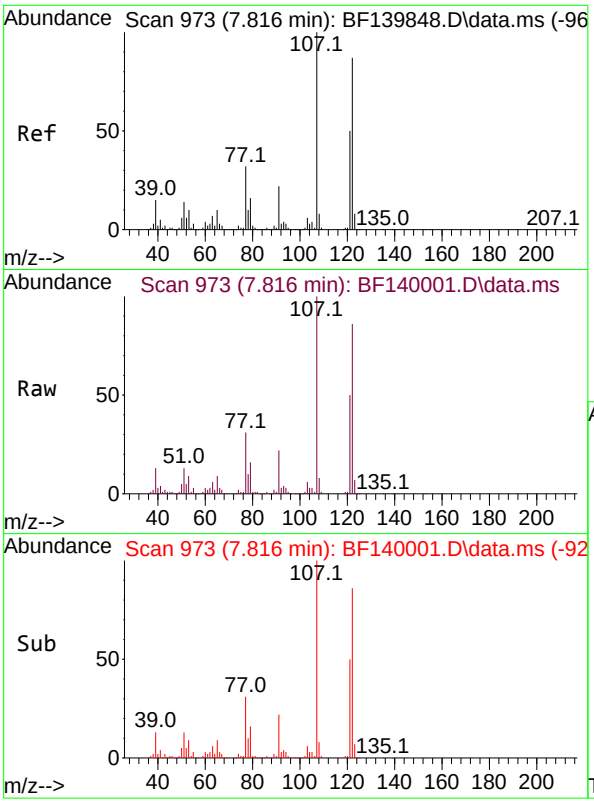


#26
2-Nitrophenol
Concen: 47.835 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:139 Resp: 212018

Ion	Ratio	Lower	Upper
139	100		
109	30.2	25.1	37.7
65	55.8	47.5	71.3



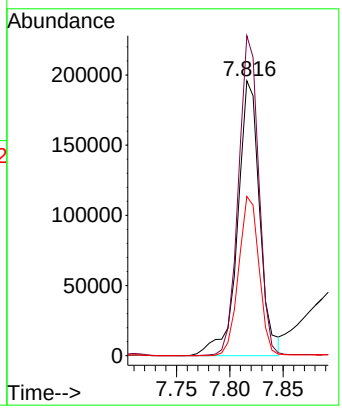


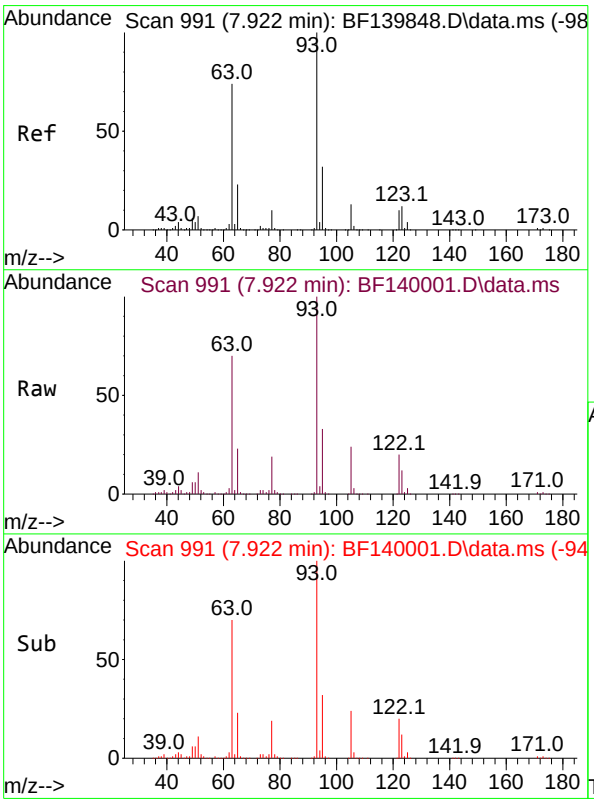
#27
2,4-Dimethylphenol
Concen: 38.208 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 282380

Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.9	137.9
121	57.9	46.2	69.4

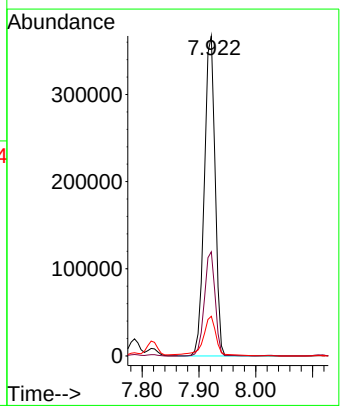


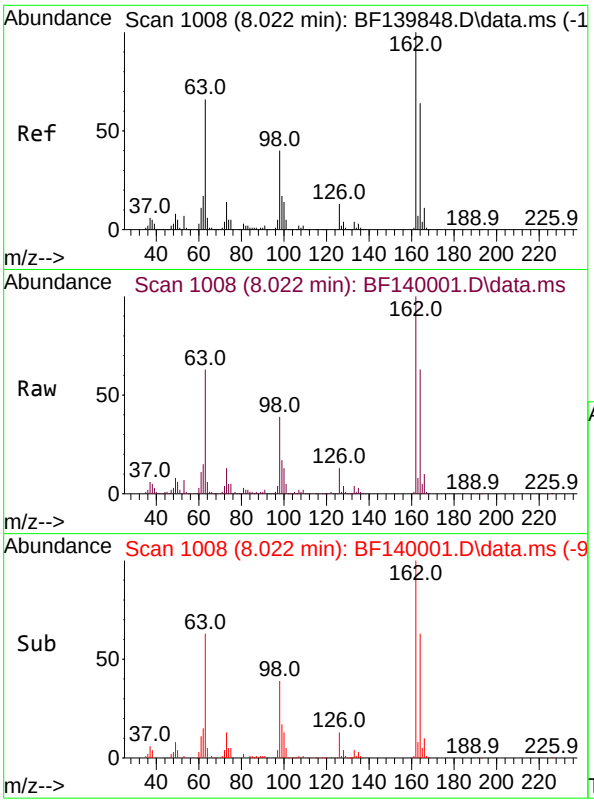


#28
bis(2-Chloroethoxy)methane
Concen: 39.197 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 93 Resp: 483000

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	12.4	9.8	14.8



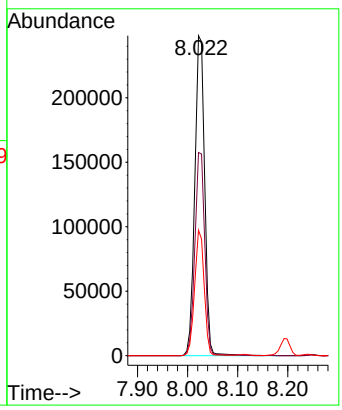


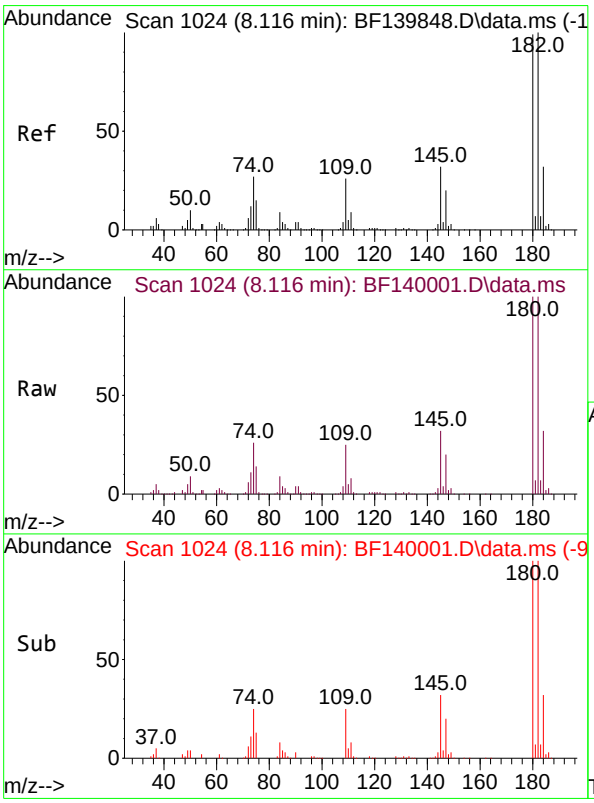
#29
2,4-Dichlorophenol
Concen: 40.223 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 338602

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.9	83.9
98	39.2	19.9	59.9

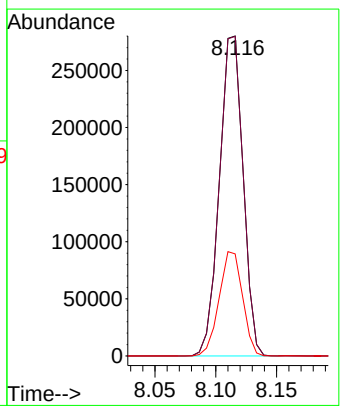


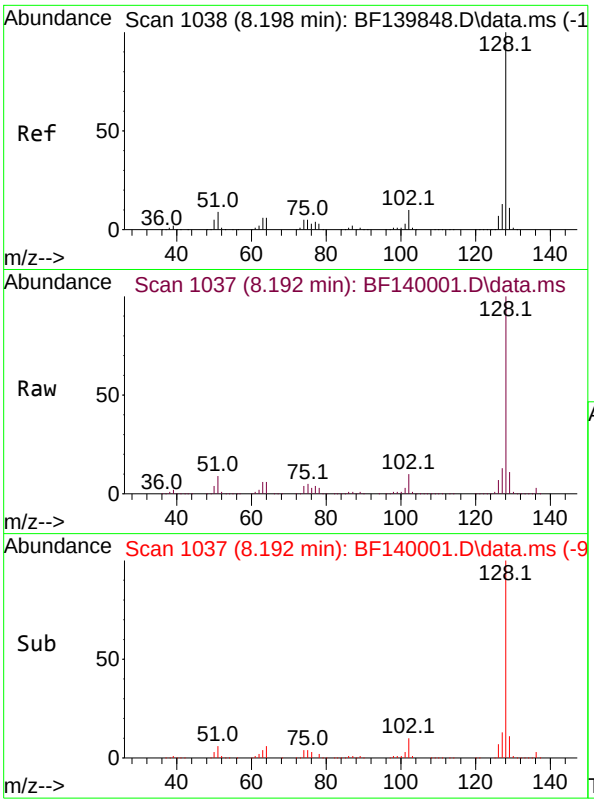


#30
1,2,4-Trichlorobenzene
Concen: 40.717 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:180 Resp: 379262

Ion	Ratio	Lower	Upper
180	100		
182	99.9	80.5	120.7
145	31.9	25.4	38.0



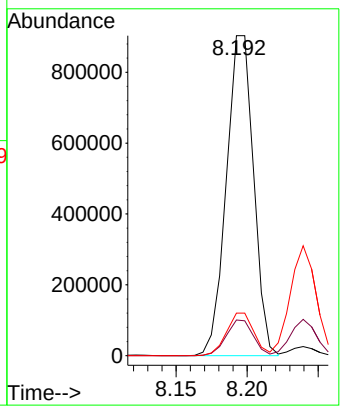


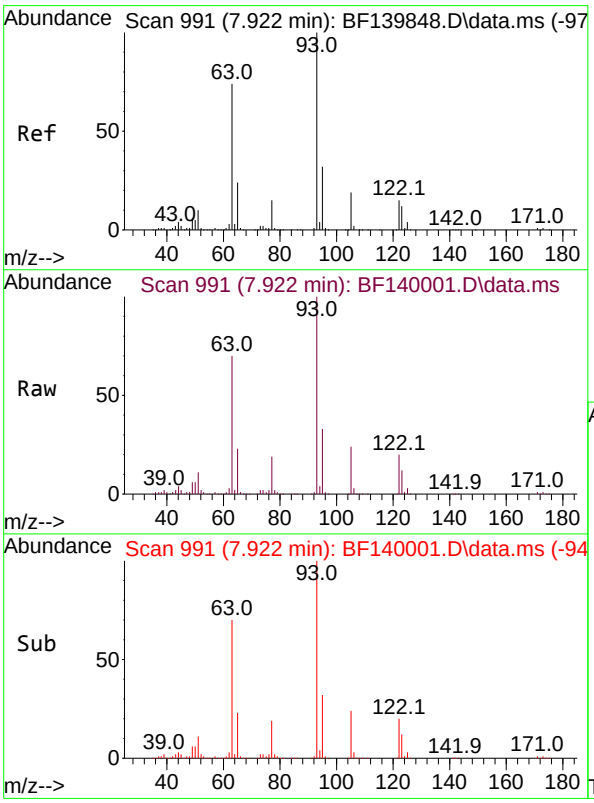
#31
Naphthalene
Concen: 39.358 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1205536

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	16.0

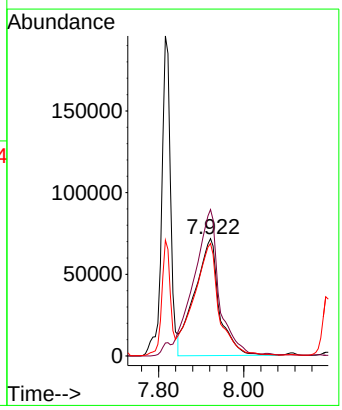


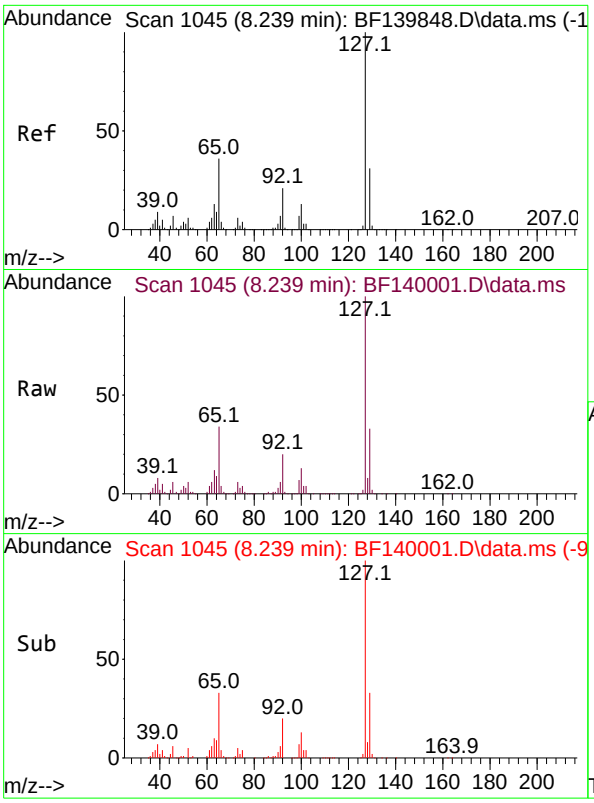


#32
Benzoic acid
Concen: 44.404 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:122 Resp: 286230

Ion	Ratio	Lower	Upper
122	100		
105	124.9	107.6	147.6
77	96.0	80.2	120.2



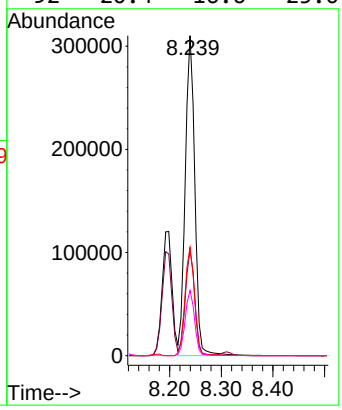


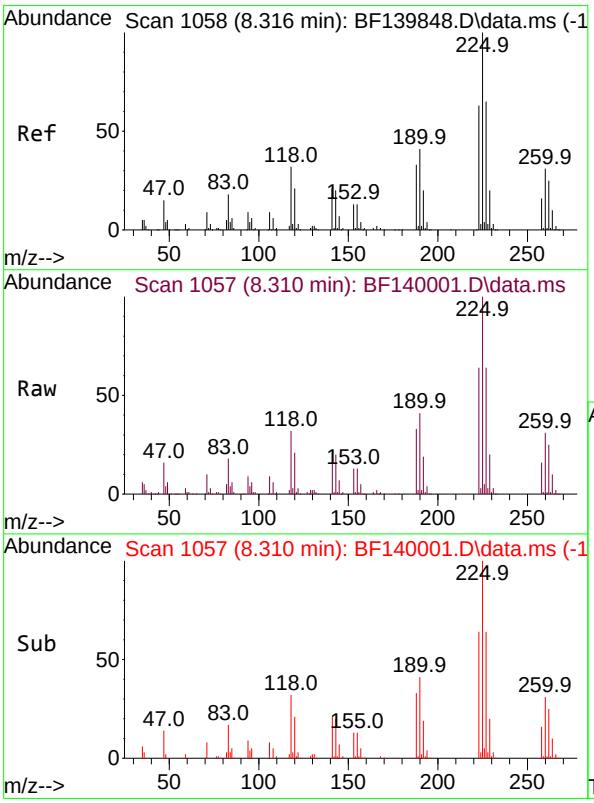
#33
4-Chloroaniline
Concen: 38.210 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 399083

Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.4	38.2
65	33.8	28.4	42.6
92	20.4	16.6	25.0

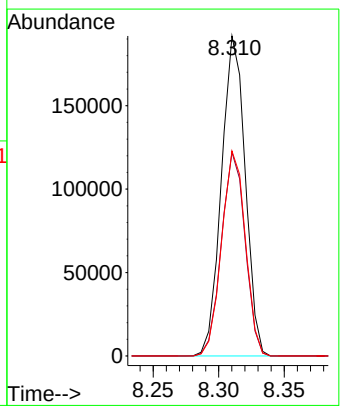


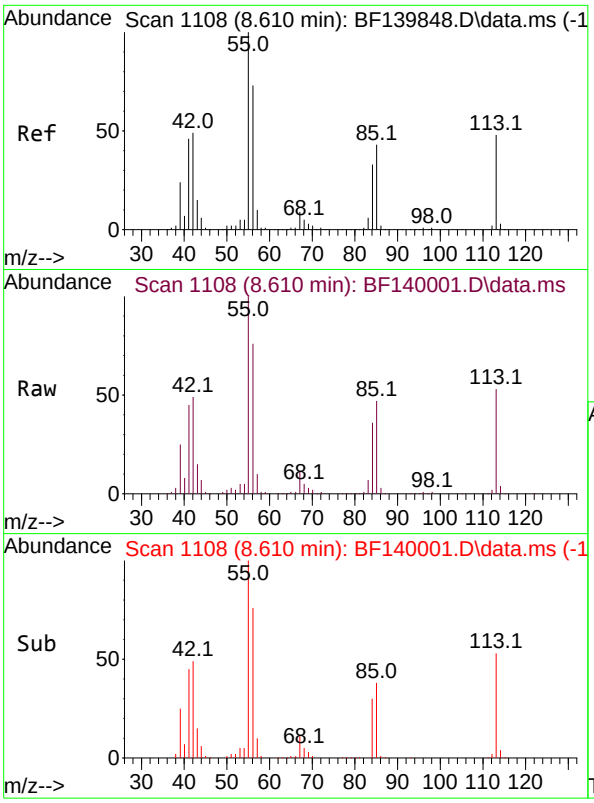


#34
Hexachlorobutadiene
Concen: 41.298 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:225 Resp: 241696

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	64.1	51.8	77.8



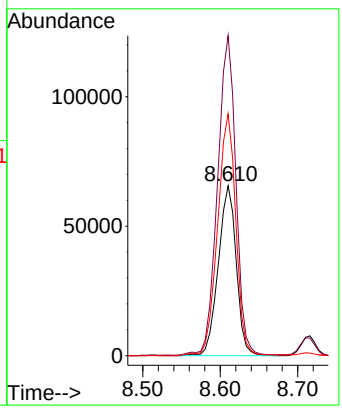


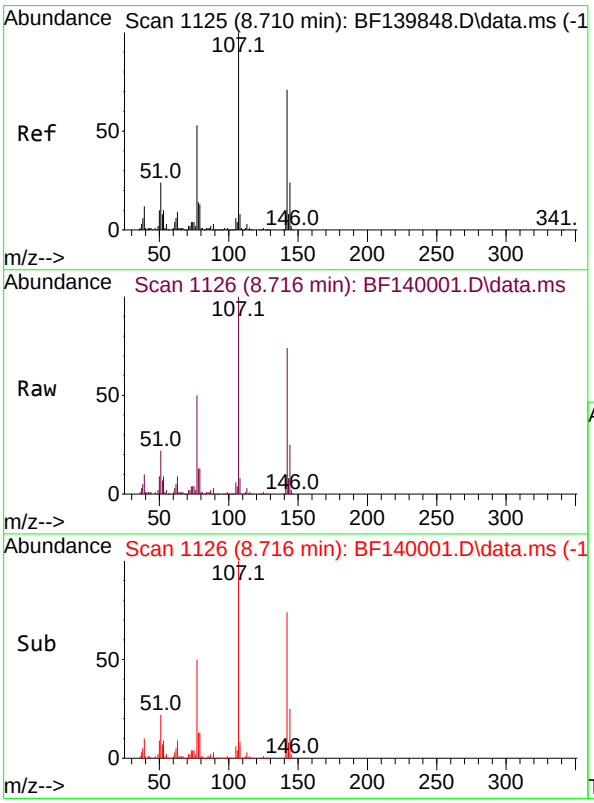
#35
Caprolactam
Concen: 39.419 ng
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 105511

Ion	Ratio	Lower	Upper
113	100		
55	188.2	189.2	229.2#
56	142.4	132.5	172.5

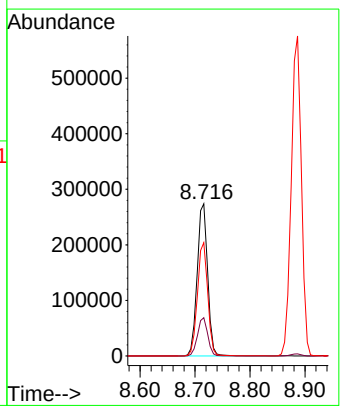


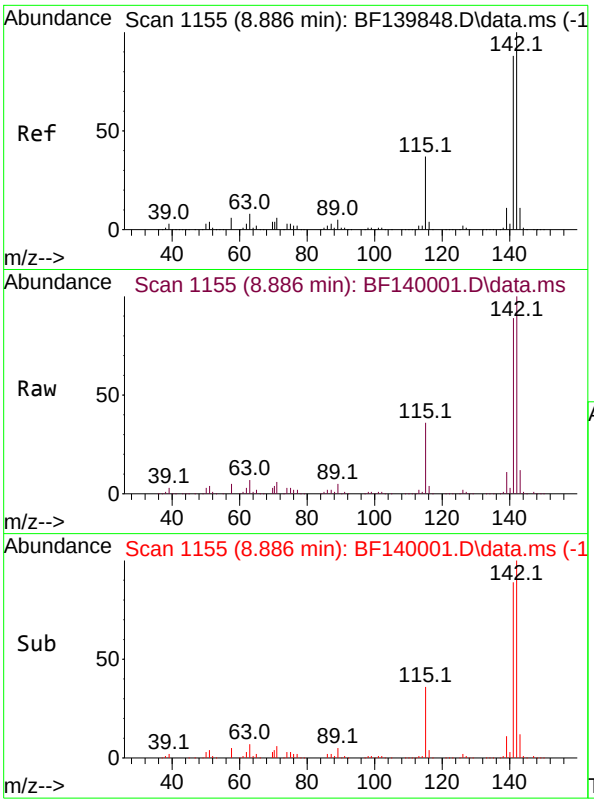


#36
4-Chloro-3-methylphenol
Concen: 38.961 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:107 Resp: 363168

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.1	28.7
142	74.5	57.2	85.8



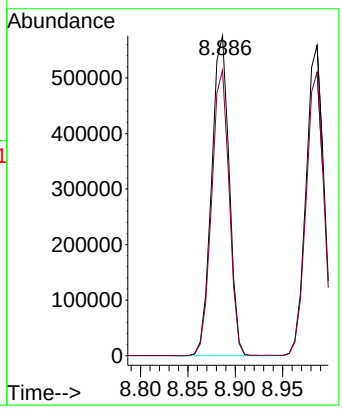


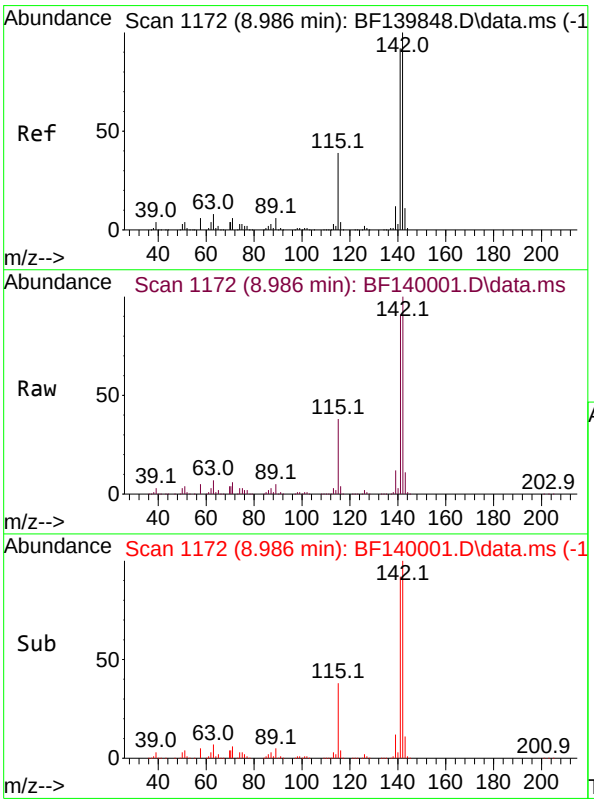
#37
2-Methylnaphthalene
Concen: 39.467 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 740369

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2

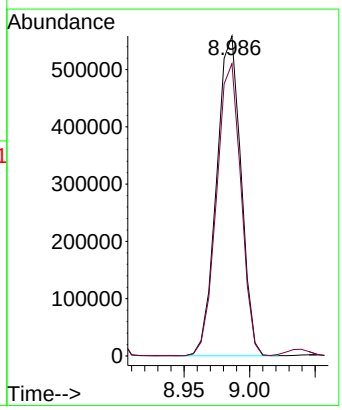


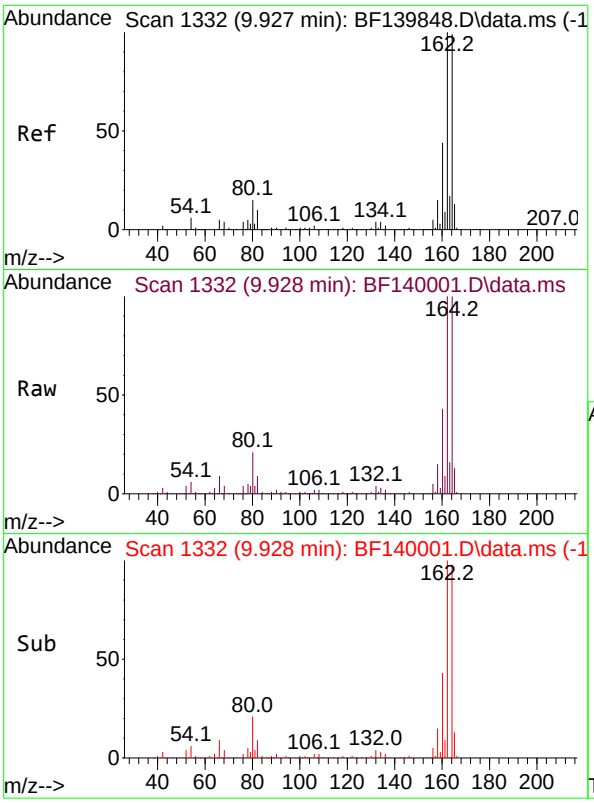


#38
1-Methylnaphthalene
Concen: 39.253 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:142 Resp: 722456

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.5	110.3



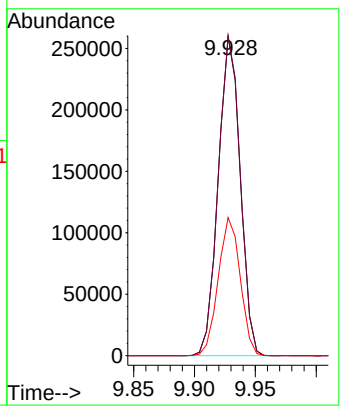


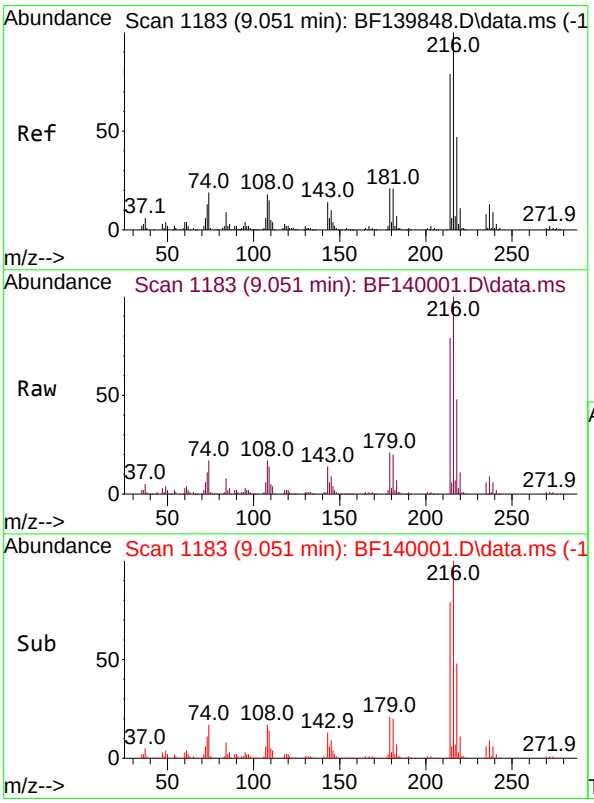
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 325446

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.4
160	43.3	35.4	53.0

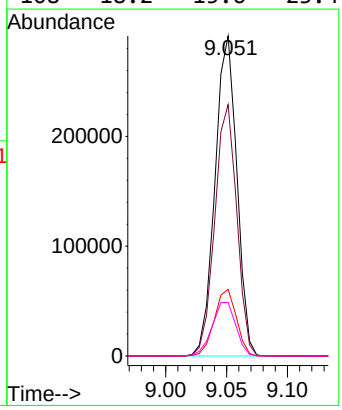


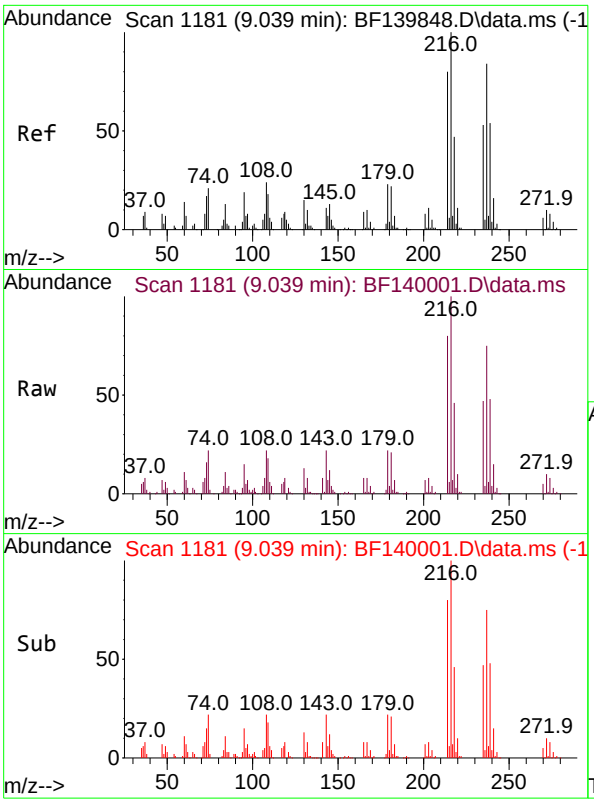


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.507 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:216 Resp: 364431

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.0
179	21.0	17.2	25.8
108	18.2	15.6	23.4



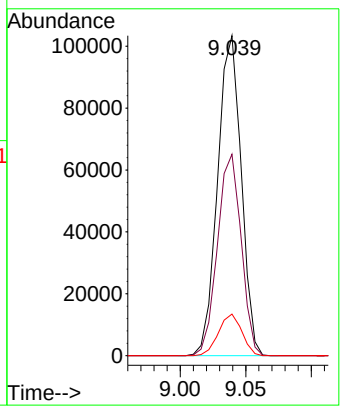


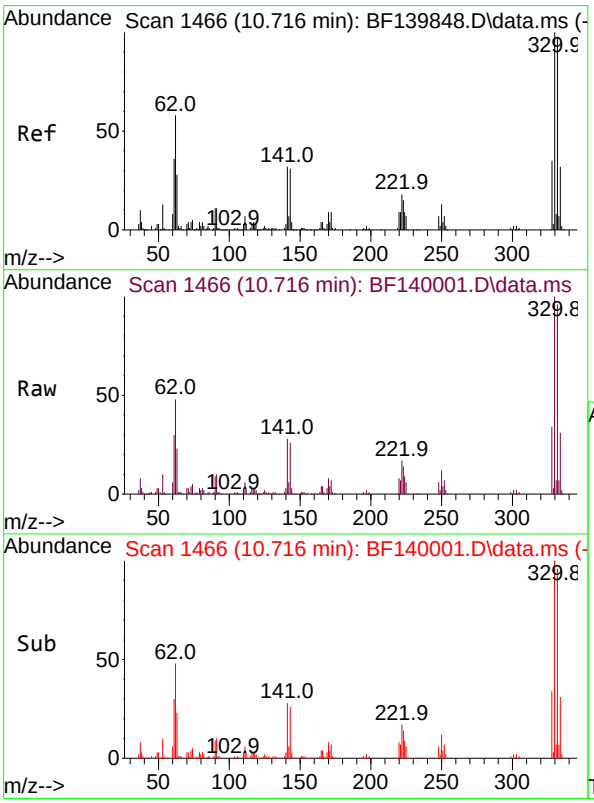
#41
Hexachlorocyclopentadiene
Concen: 42.369 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 129438

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	13.0	0.0	32.3

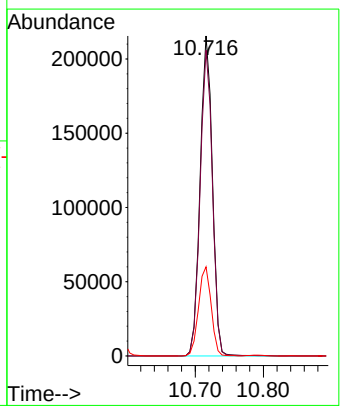


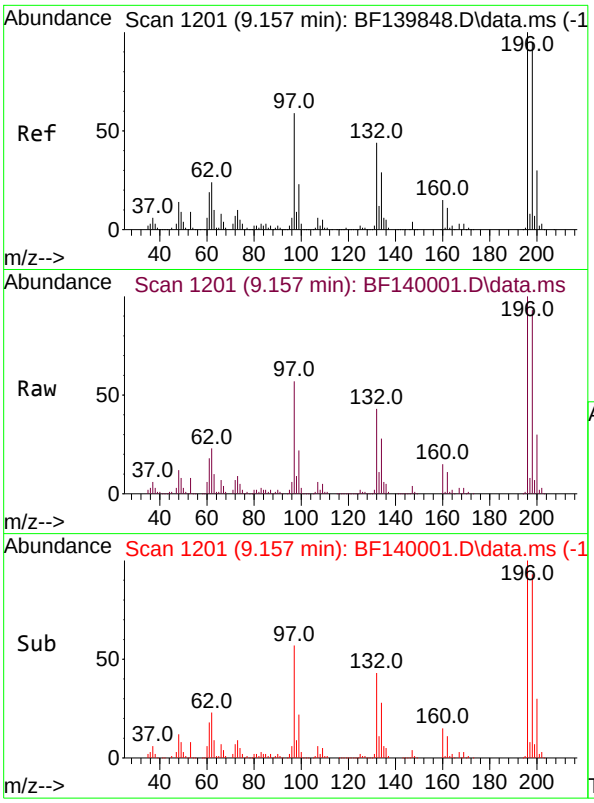


#42
2,4,6-Tribromophenol
Concen: 88.611 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:330 Resp: 269743

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.1	117.1
141	28.6	26.6	39.8



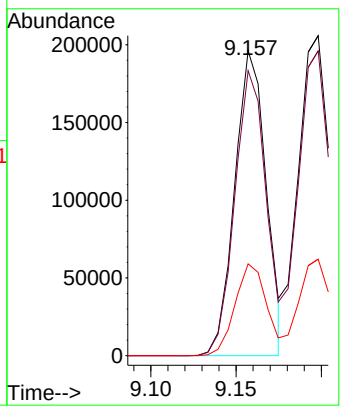


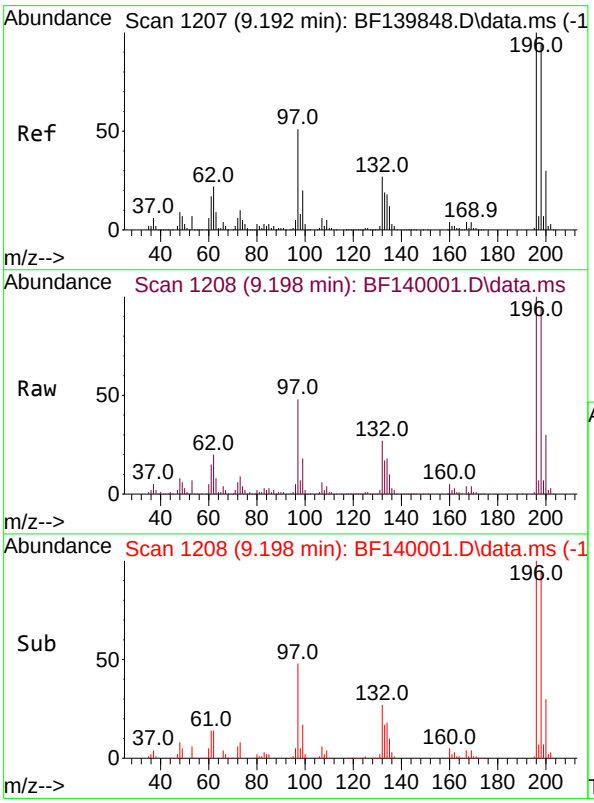
#43
2,4,6-Trichlorophenol
Concen: 40.531 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 251948

Ion	Ratio	Lower	Upper
196	100		
198	93.4	76.2	114.2
200	30.1	24.0	36.0

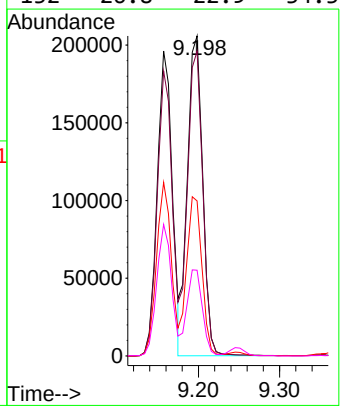


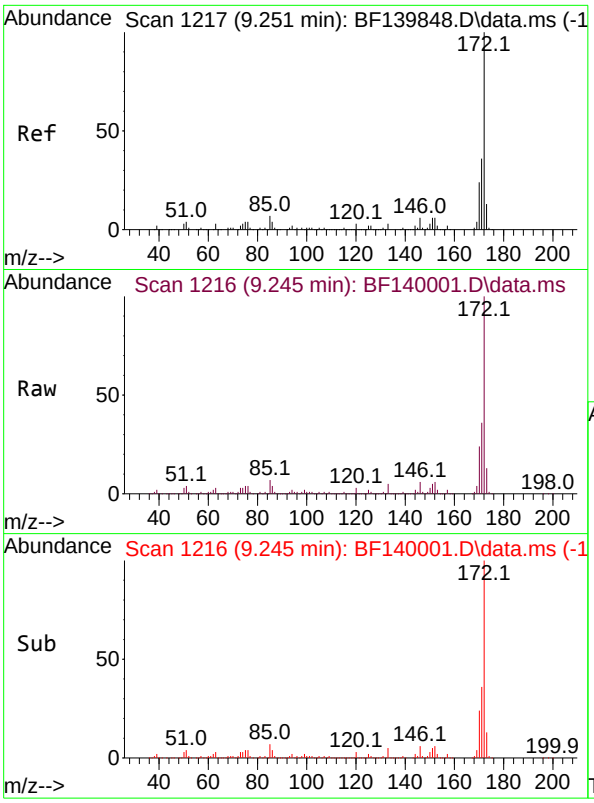


#44
2,4,5-Trichlorophenol
Concen: 42.166 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:196 Resp: 270426

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.8	113.6
97	48.4	41.8	62.6
132	26.8	22.9	34.3



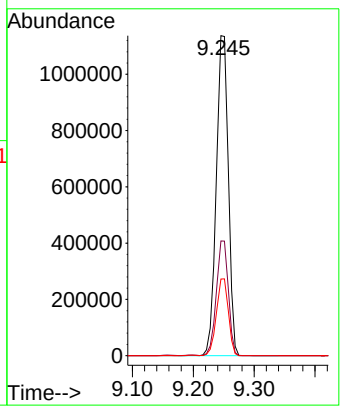


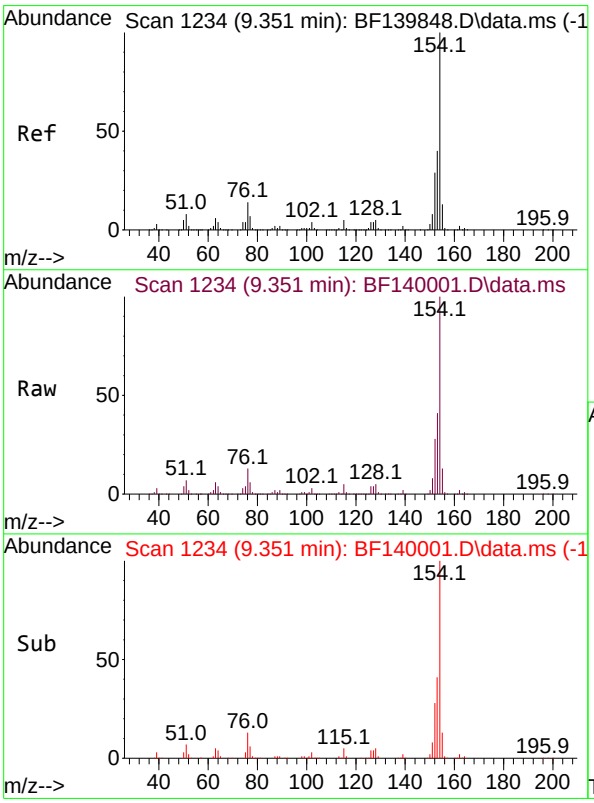
#45
2-Fluorobiphenyl
Concen: 79.111 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1557843

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.1	28.7

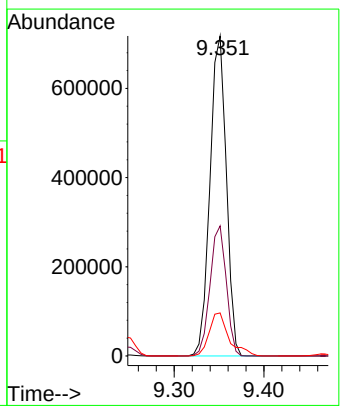


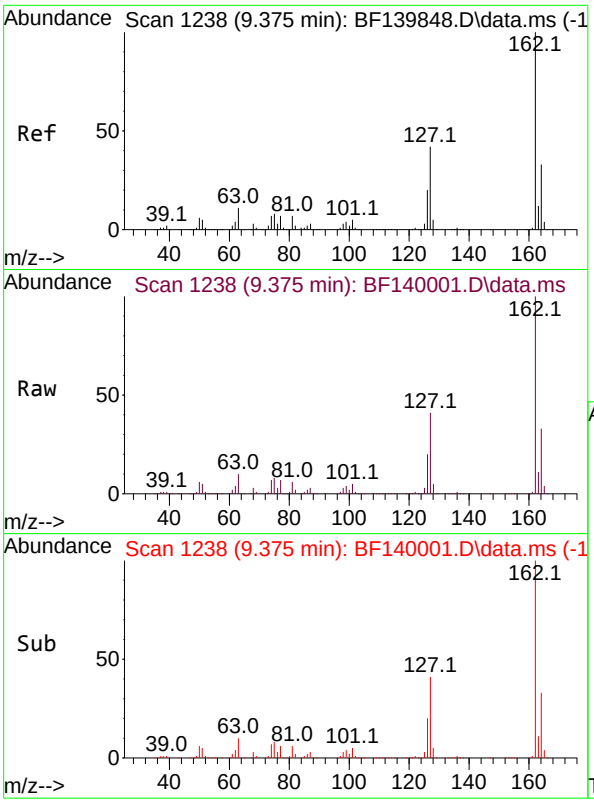


#46
1,1'-Biphenyl
Concen: 40.017 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:154 Resp: 906616

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.5	0.0	33.9



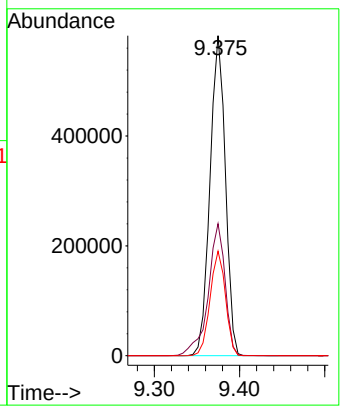


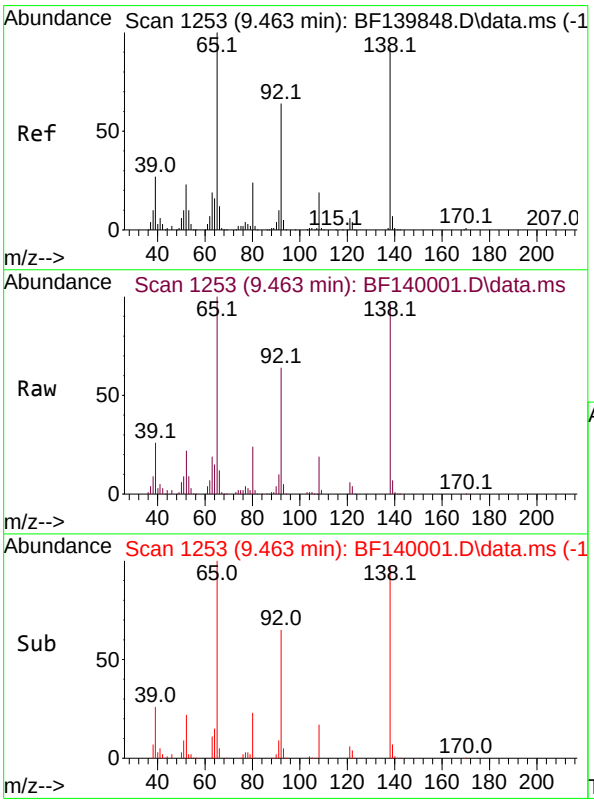
#47
2-Chloronaphthalene
Concen: 40.195 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 733451

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.8	50.6
164	32.6	26.6	39.8

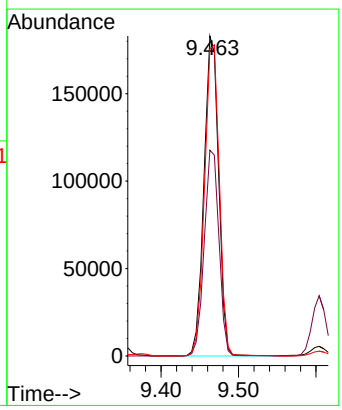


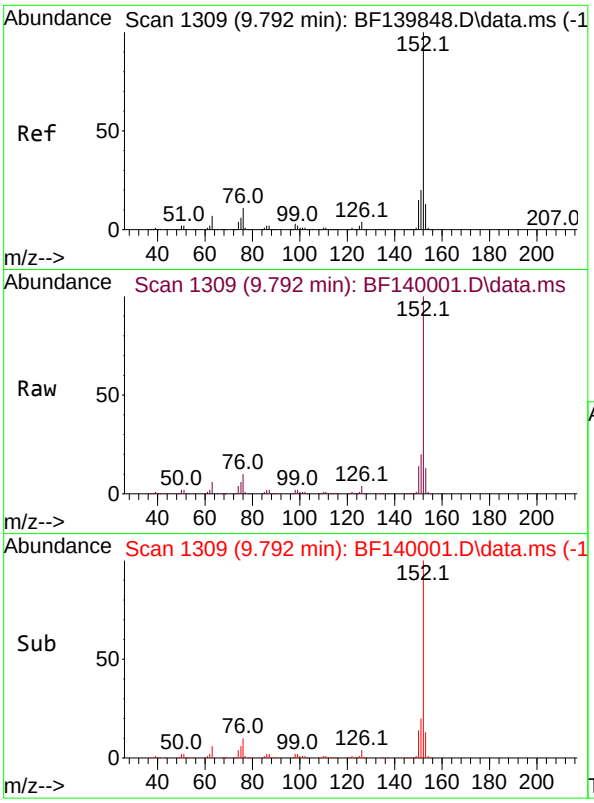


#48
2-Nitroaniline
Concen: 42.983 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion: 65 Resp: 239883

Ion	Ratio	Lower	Upper
65	100		
92	64.3	50.9	76.3
138	96.0	73.4	110.0



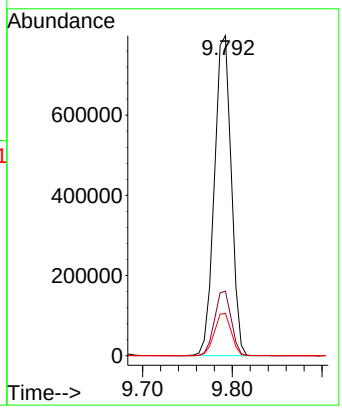


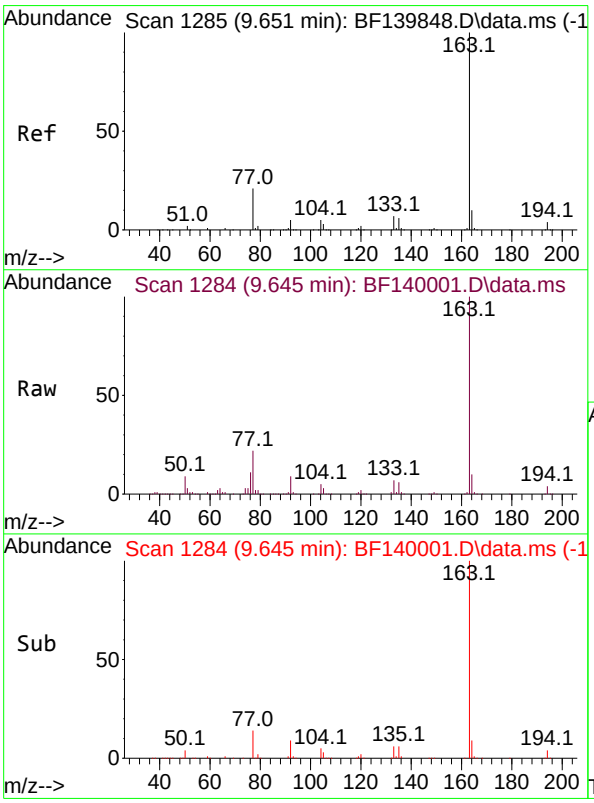
#49
Acenaphthylene
Concen: 39.476 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1041391

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.3	10.7	16.1

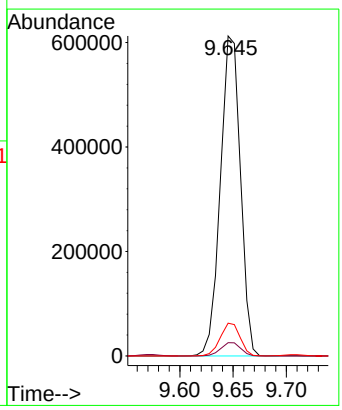


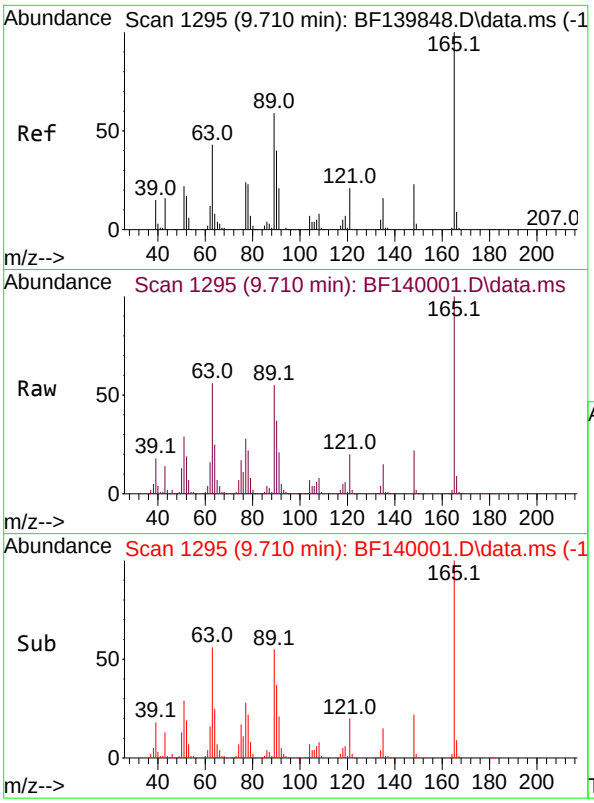


#50
Dimethylphthalate
Concen: 39.563 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:163 Resp: 801985

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	8.2	12.2



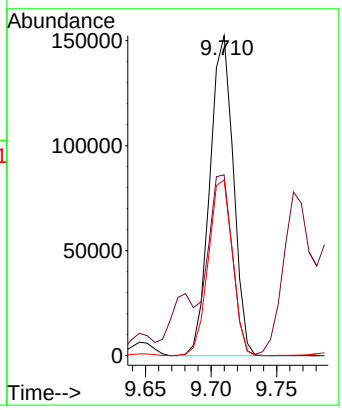


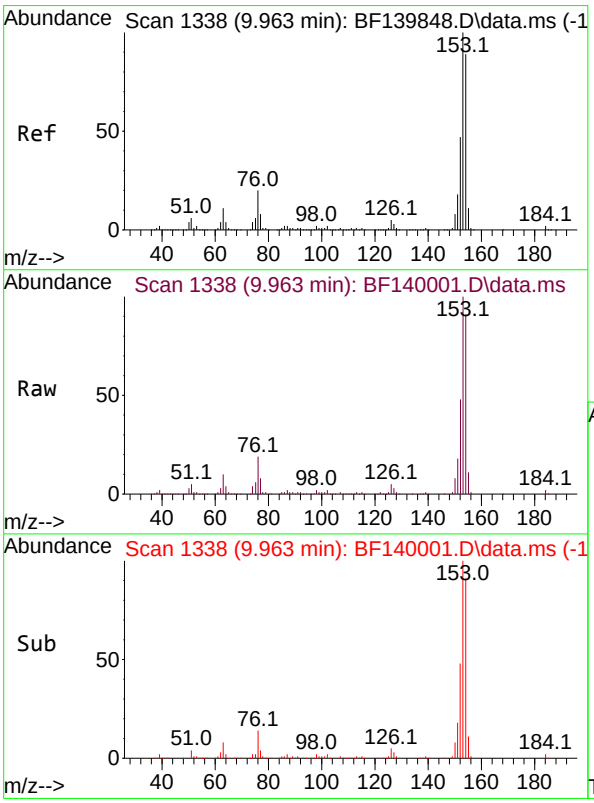
#51
2,6-Dinitrotoluene
Concen: 43.315 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 190116

Ion	Ratio	Lower	Upper
165	100		
63	56.5	50.6	75.8
89	54.9	47.5	71.3

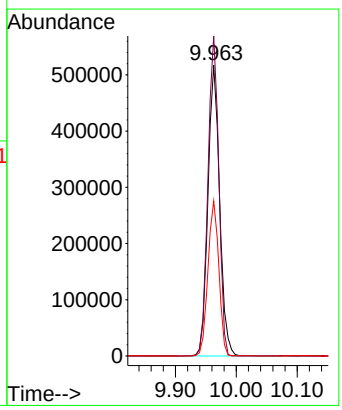


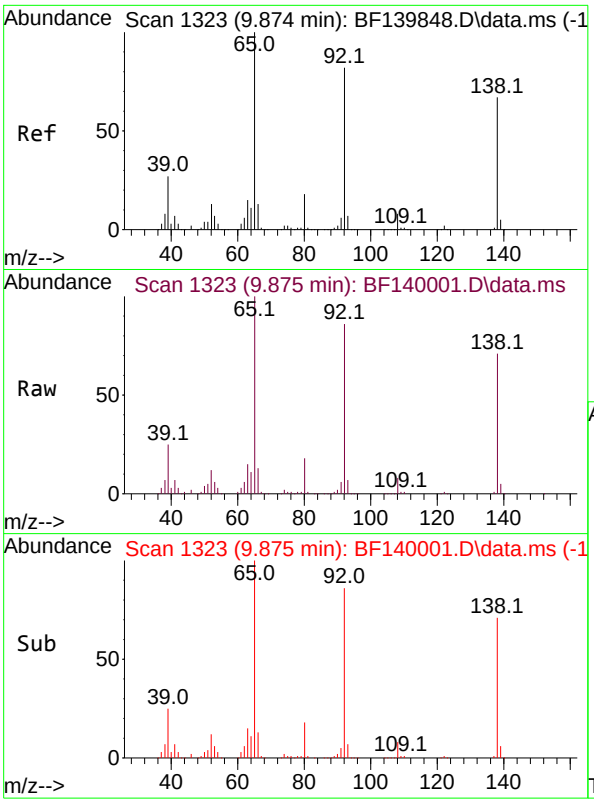


#52
Acenaphthene
Concen: 40.473 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:154 Resp: 690672

Ion	Ratio	Lower	Upper
154	100		
153	110.0	89.8	134.6
152	53.3	42.4	63.6



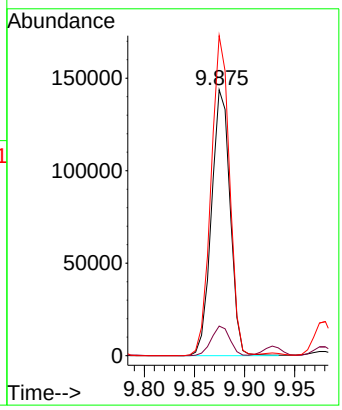


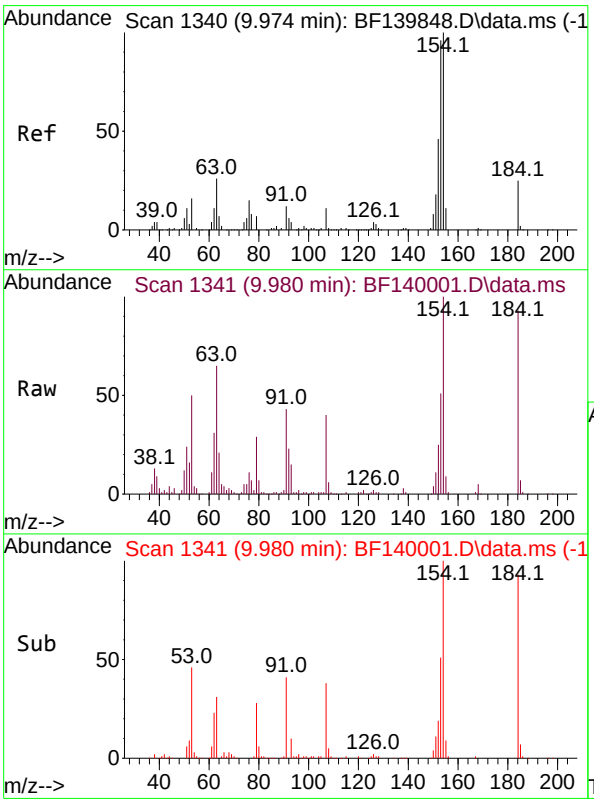
#53
3-Nitroaniline
Concen: 41.030 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 185713

Ion	Ratio	Lower	Upper
138	100		
108	11.1	10.2	15.2
92	120.3	98.3	147.5

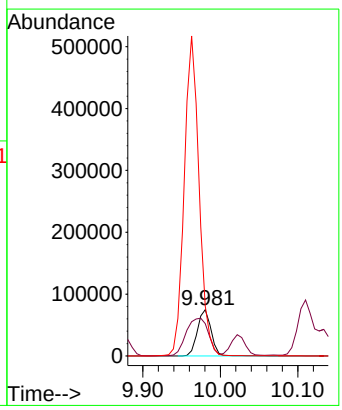


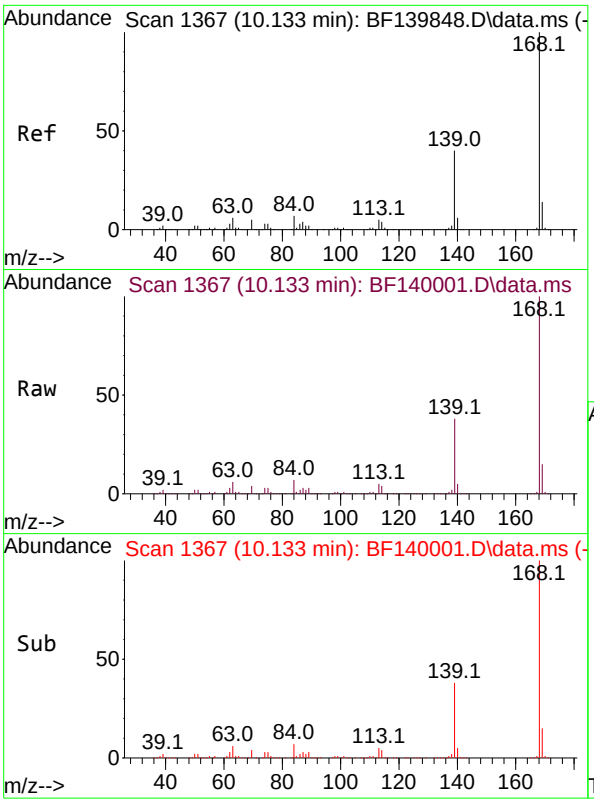


#54
2,4-Dinitrophenol
Concen: 52.914 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:184 Resp: 92106

Ion	Ratio	Lower	Upper
184	100		
63	70.0	84.7	127.1#
154	107.9	338.2	507.2#



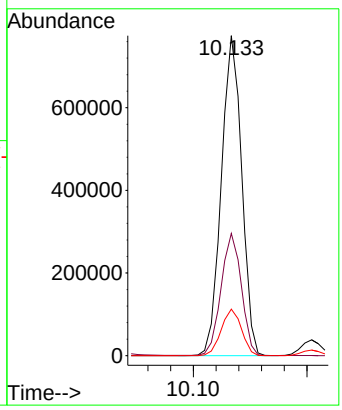


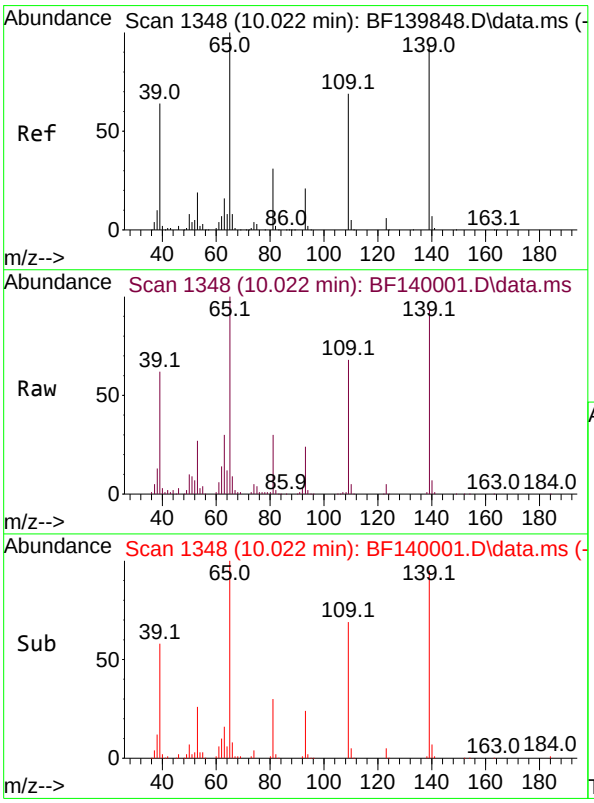
#55
Dibenzofuran
Concen: 39.406 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 964830

Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.8	47.6
169	14.6	11.6	17.4

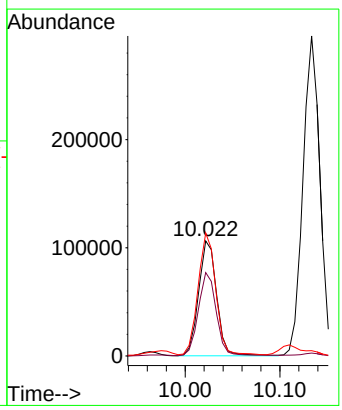


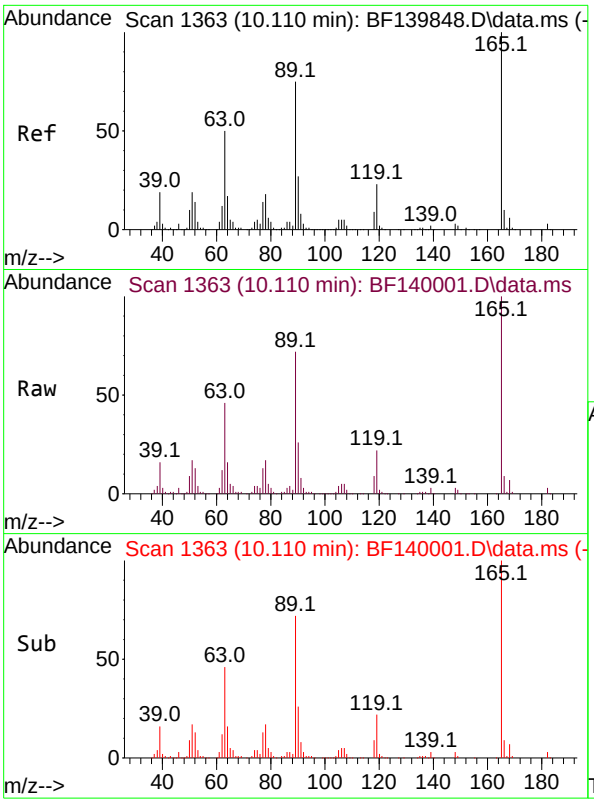


#56
4-Nitrophenol
Concen: 40.368 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:139 Resp: 140574

Ion	Ratio	Lower	Upper
139	100		
109	72.4	53.6	93.6
65	106.9	87.8	127.8



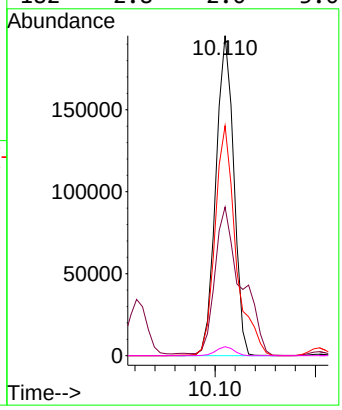


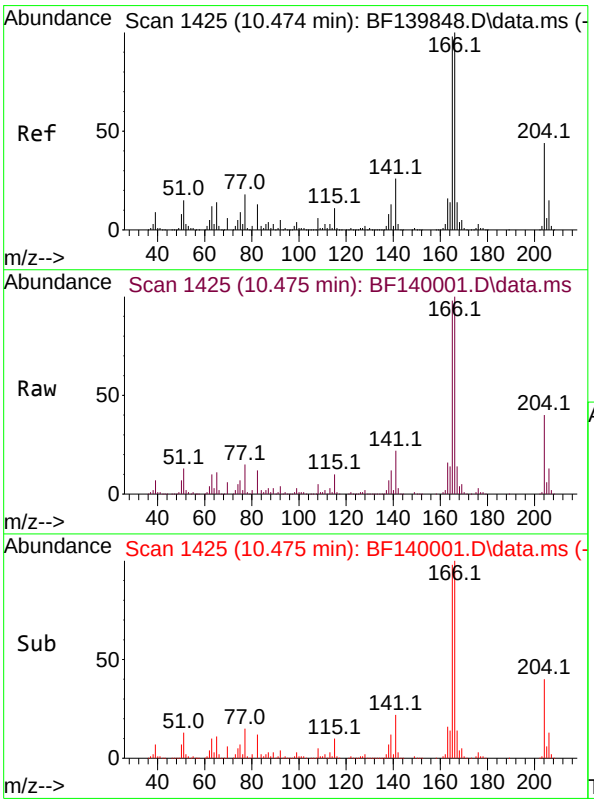
#57
2,4-Dinitrotoluene
Concen: 44.750 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 241540

Ion	Ratio	Lower	Upper
165	100		
63	46.5	40.1	60.1
89	71.9	60.4	90.6
182	2.8	2.0	3.0

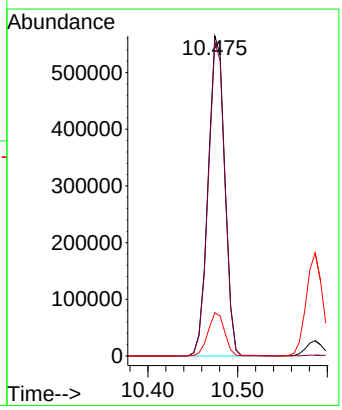


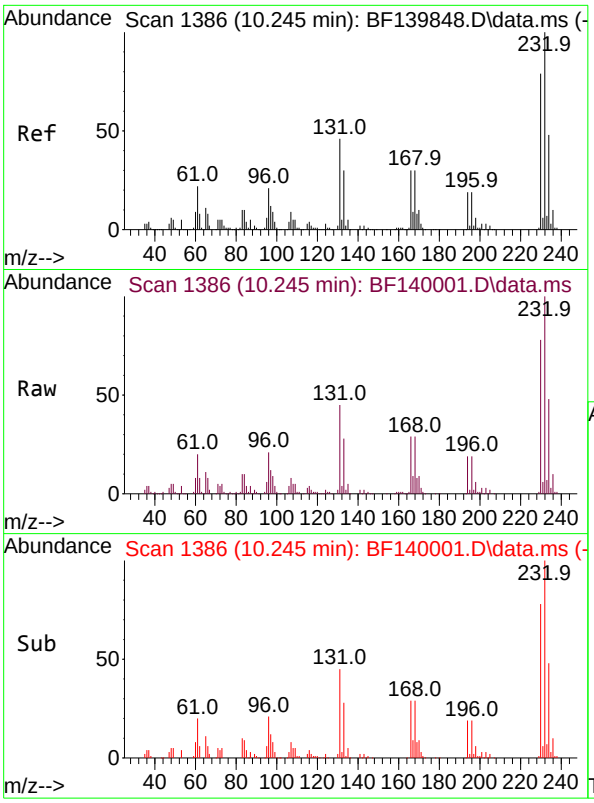


#58
Fluorene
Concen: 38.903 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:166 Resp: 725502

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	13.5	10.9	16.3



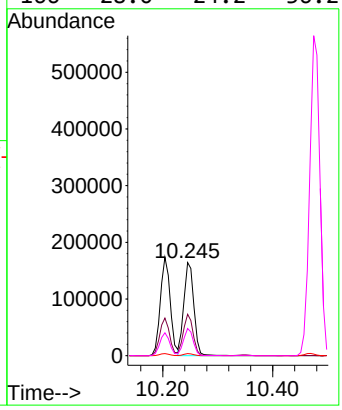


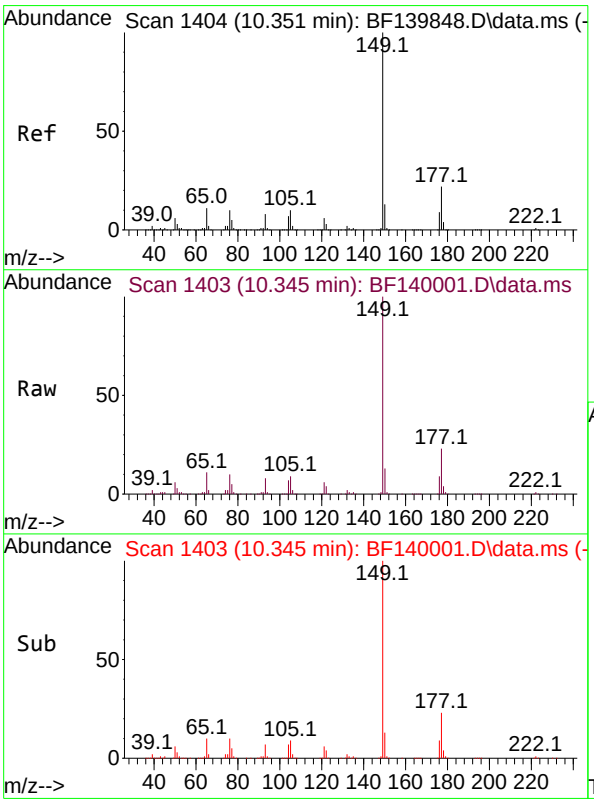
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.495 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 208621

Ion	Ratio	Lower	Upper
232	100		
131	43.7	37.0	55.6
130	2.1	1.9	2.9
166	28.0	24.2	36.2

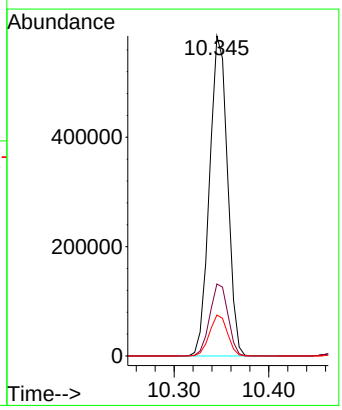


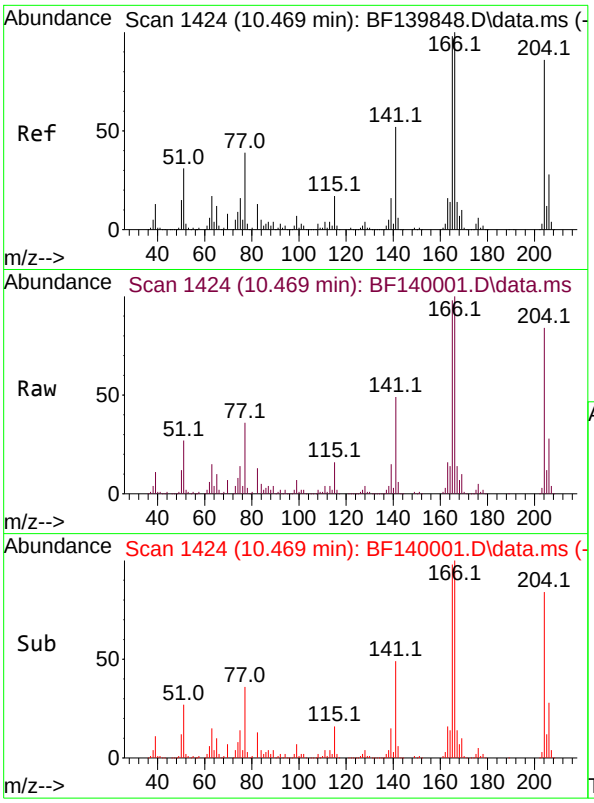


#60
Diethylphthalate
Concen: 38.673 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 769726

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.8	10.1	15.1



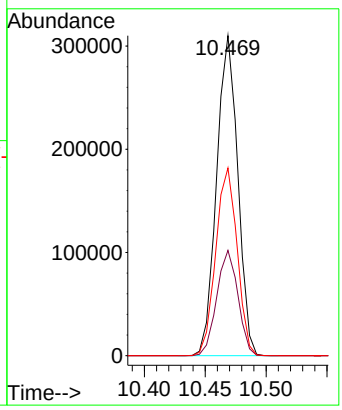


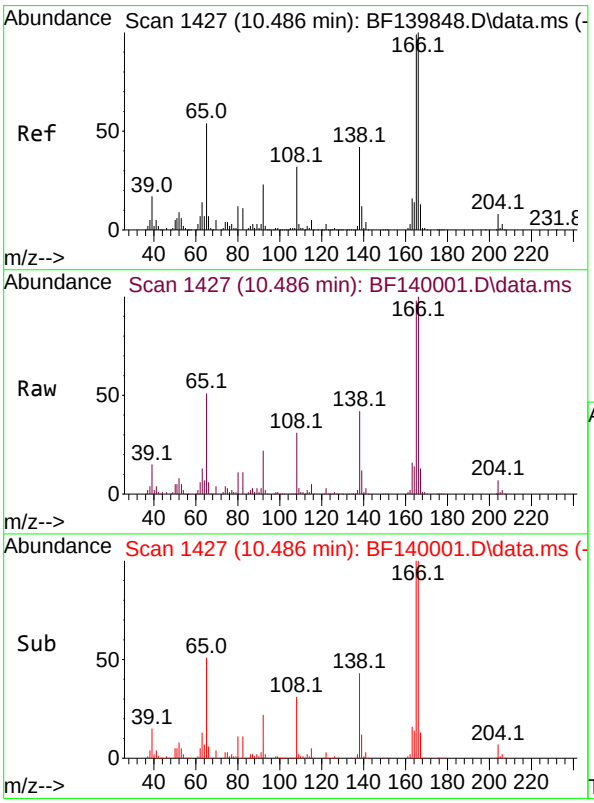
#61
4-Chlorophenyl-phenylether
Concen: 39.877 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 375551

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	58.6	48.6	73.0

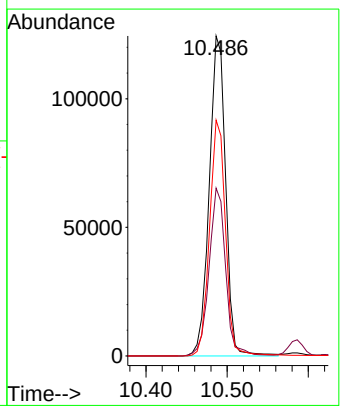


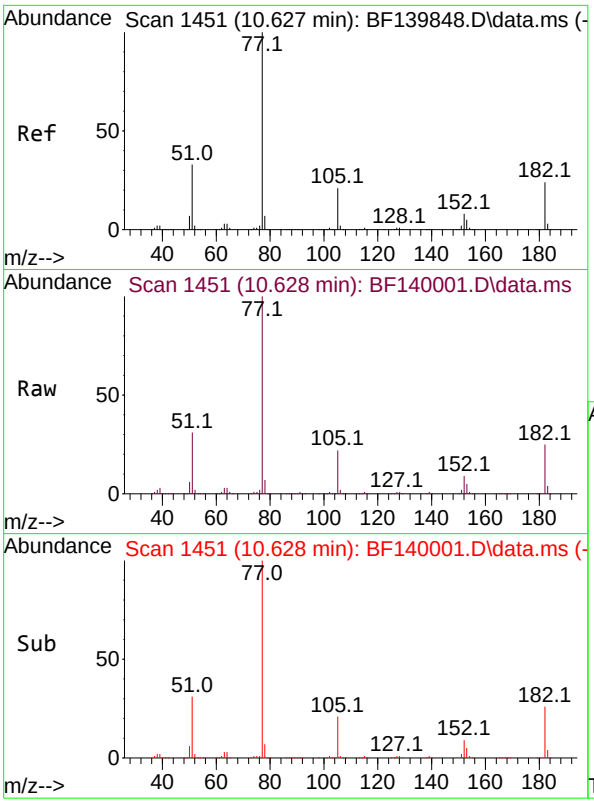


#62
4-Nitroaniline
Concen: 40.734 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:138 Resp: 174132

Ion	Ratio	Lower	Upper
138	100		
92	52.4	35.7	75.7
108	73.7	57.5	97.5



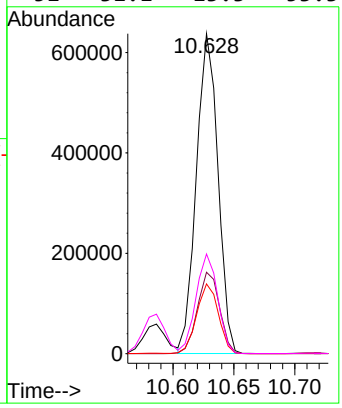


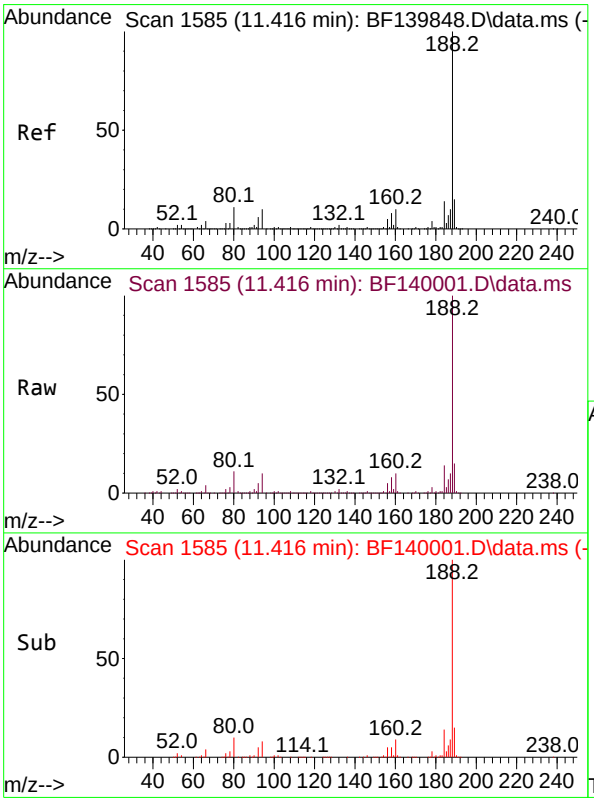
#63
Azobenzene
Concen: 37.225 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 785480

Ion	Ratio	Lower	Upper
77	100		
182	25.4	3.3	43.3
105	21.8	1.2	41.2
51	31.1	13.3	53.3

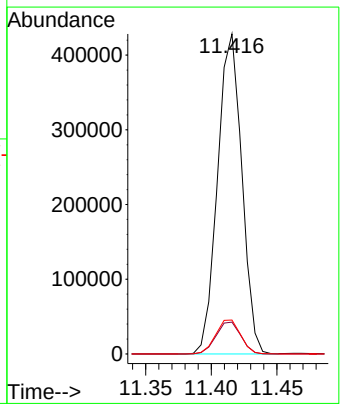


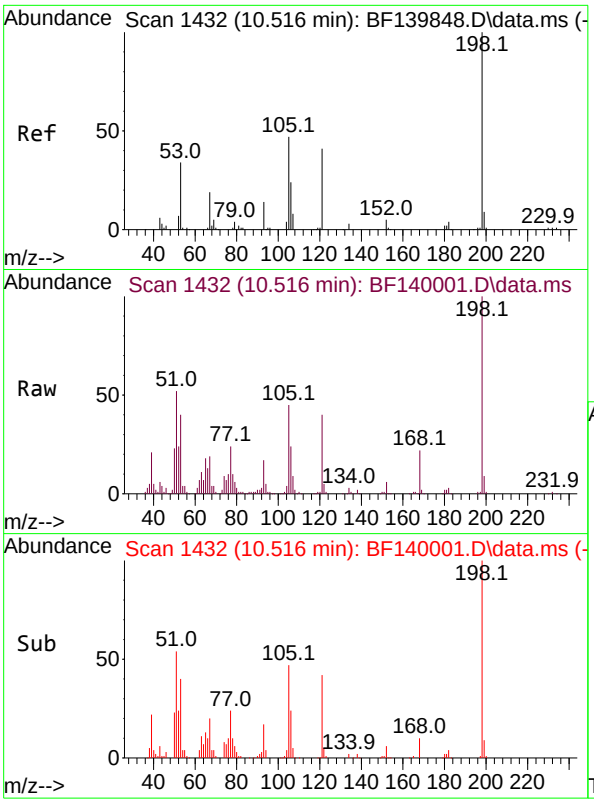


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:188 Resp: 551060

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	10.6	9.0	13.4



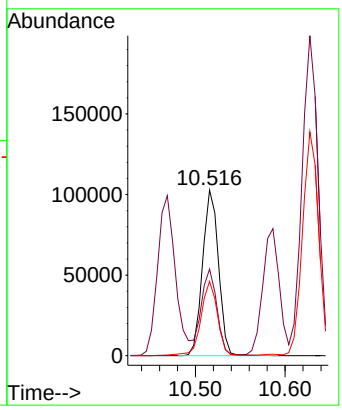


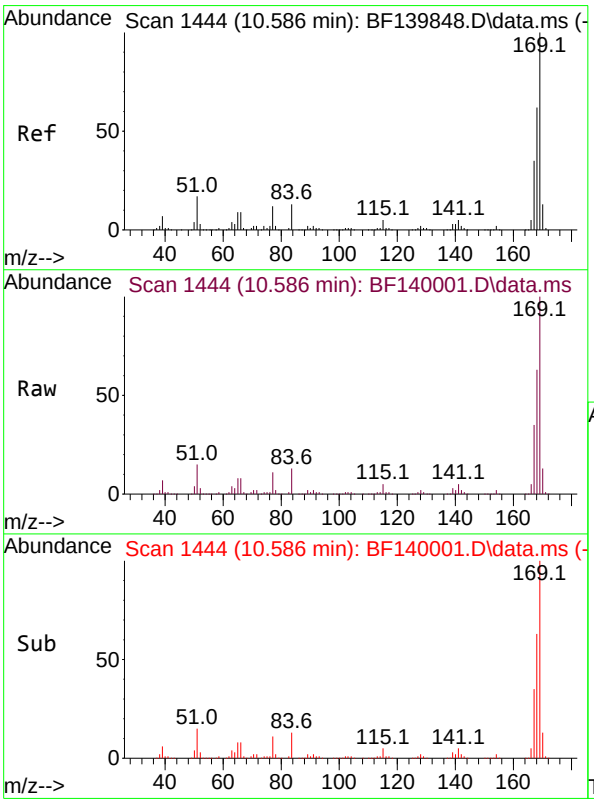
#65
4,6-Dinitro-2-methylphenol
Concen: 56.462 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 126912

Ion	Ratio	Lower	Upper
198	100		
51	52.3	38.2	78.2
105	44.8	27.9	67.9

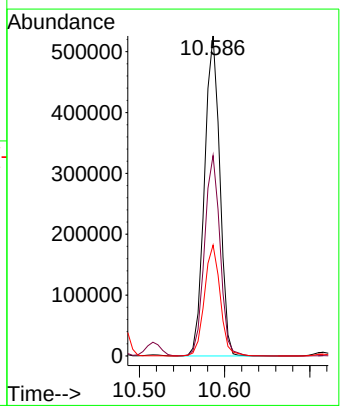


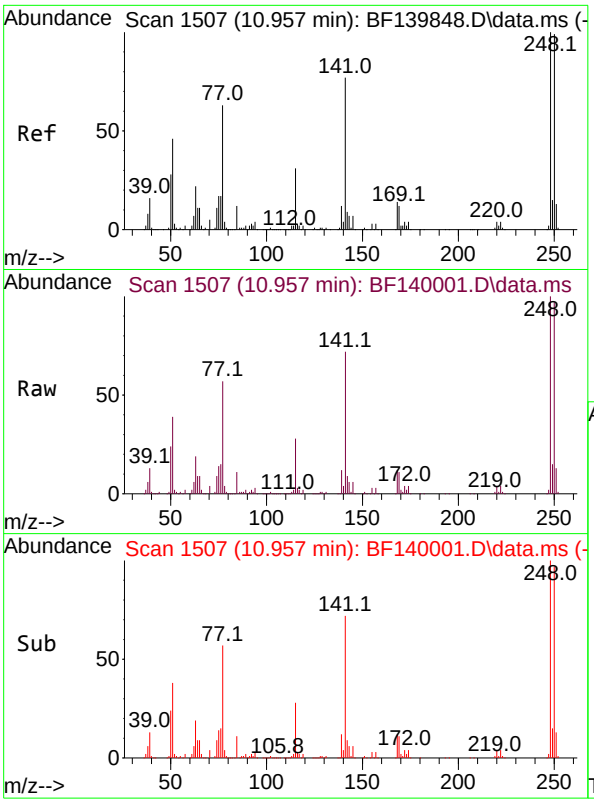


#66
n-Nitrosodiphenylamine
Concen: 39.892 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:169 Resp: 657938

Ion	Ratio	Lower	Upper
169	100		
168	62.7	49.8	74.6
167	34.7	28.0	42.0



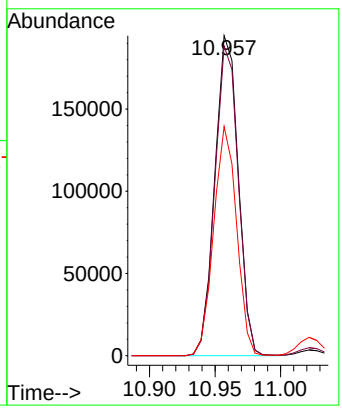


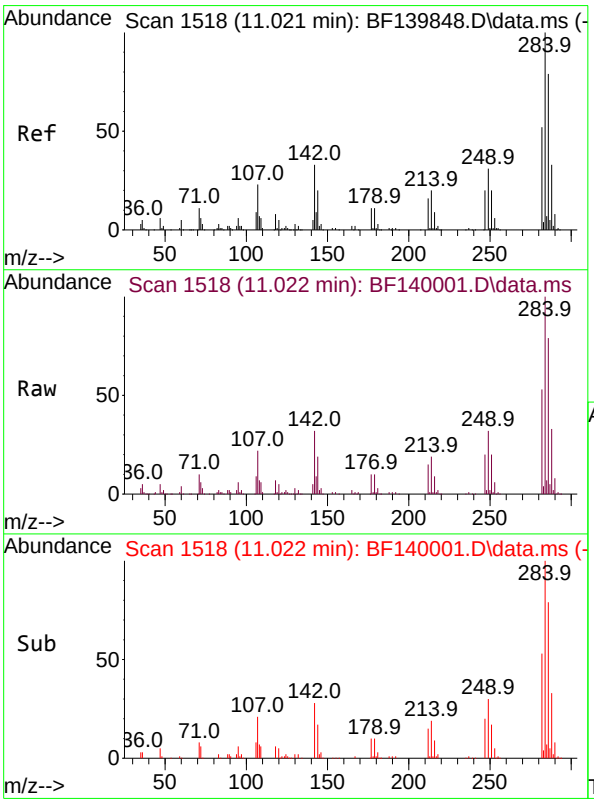
#67
4-Bromophenyl-phenylether
Concen: 42.680 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 242294

Ion	Ratio	Lower	Upper
248	100		
250	96.8	79.0	118.6
141	71.6	61.7	92.5

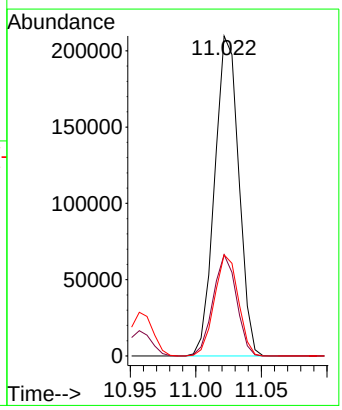


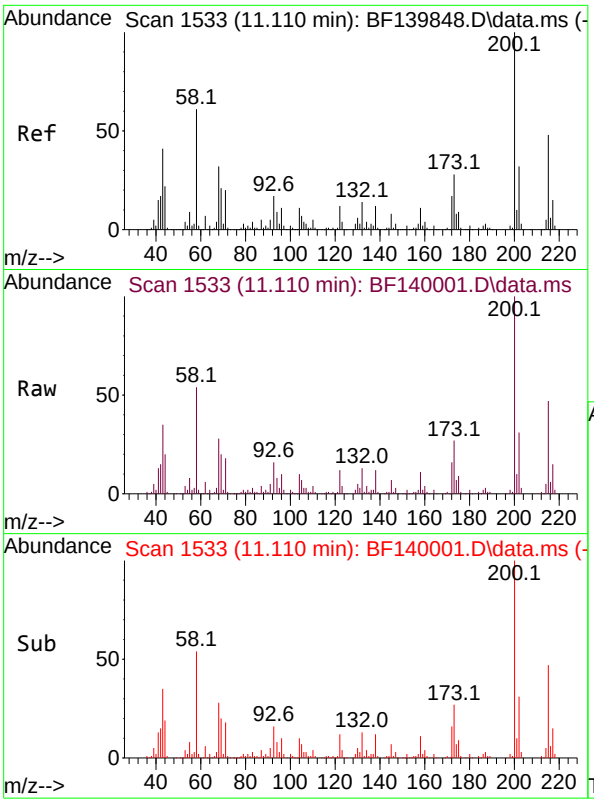


#68
Hexachlorobenzene
Concen: 41.827 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:284 Resp: 267054

Ion	Ratio	Lower	Upper
284	100		
142	31.7	26.9	40.3
249	31.6	25.3	37.9



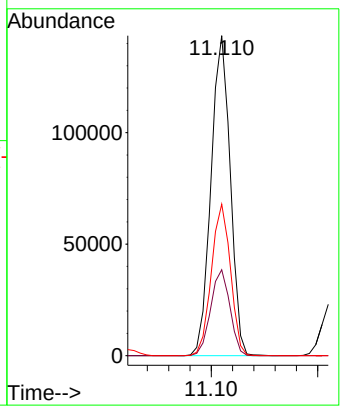


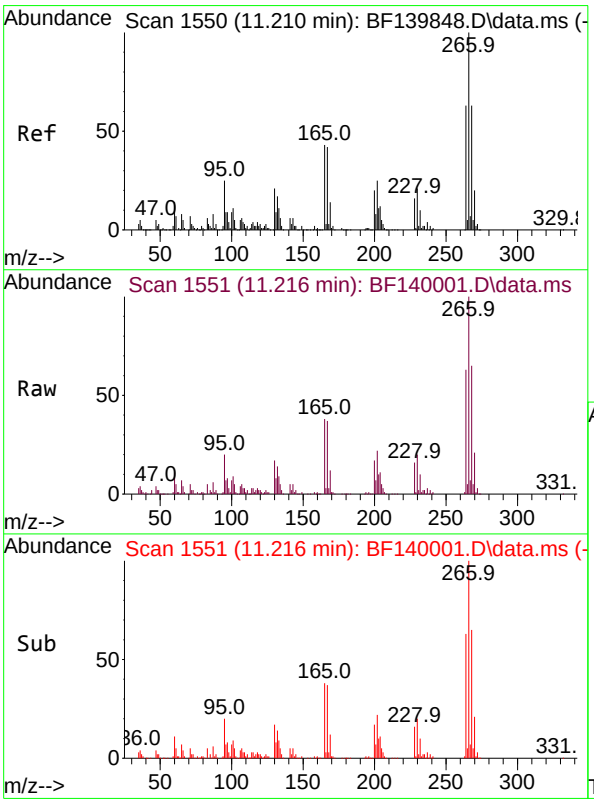
#69
Atrazine
Concen: 40.265 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 179895

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.7	47.7
215	47.4	27.7	67.7

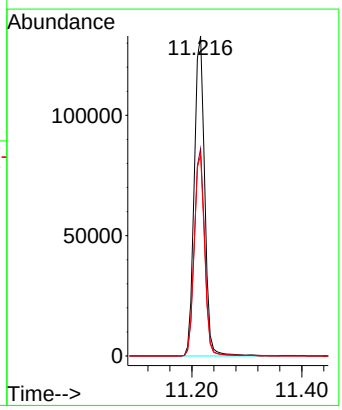


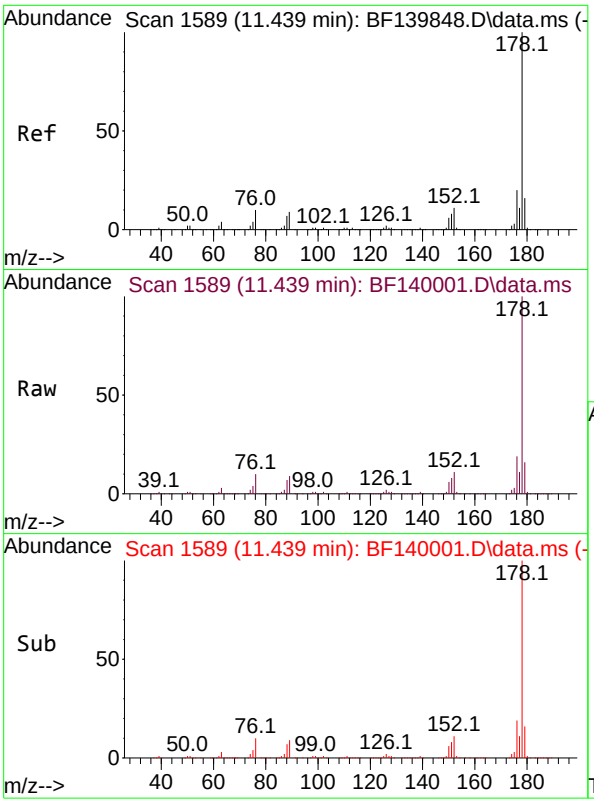


#70
Pentachlorophenol
Concen: 45.178 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:266 Resp: 175060

Ion	Ratio	Lower	Upper
266	100		
268	64.8	50.4	75.6
264	62.8	50.6	75.8



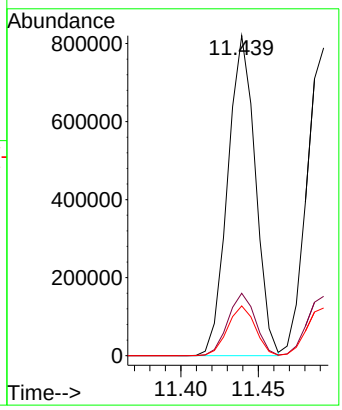


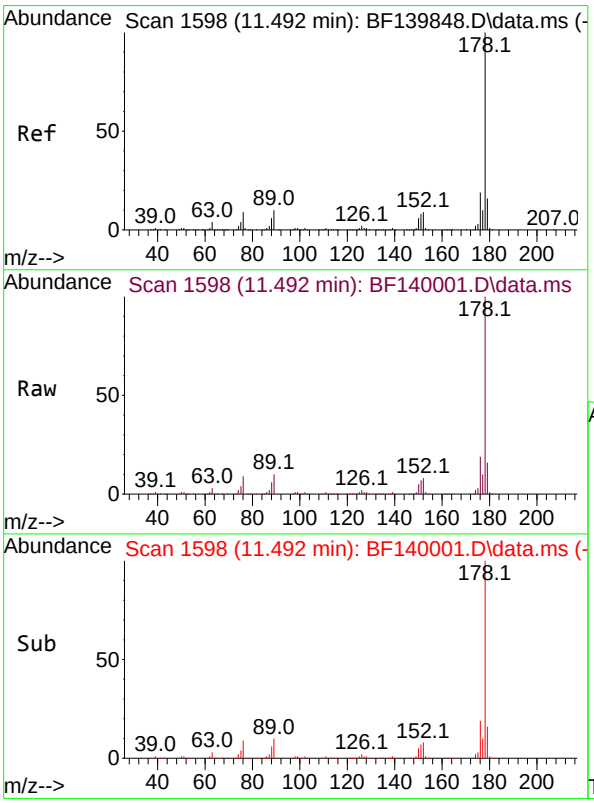
#71
Phenanthrene
Concen: 39.028 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1015890

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.6	12.6	18.8

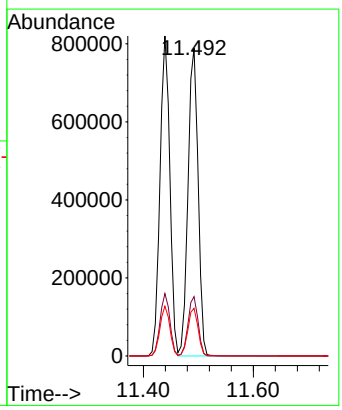


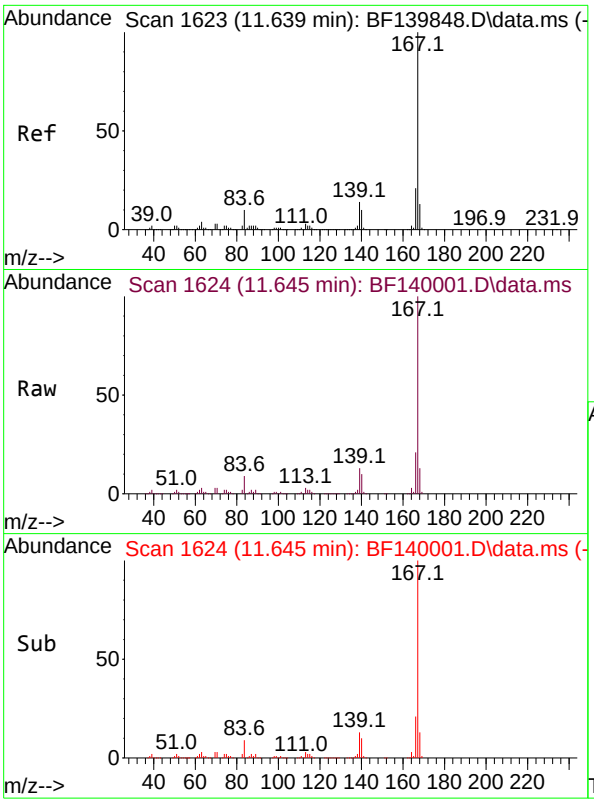


#72
Anthracene
Concen: 39.491 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:178 Resp: 1002955

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.4	18.6



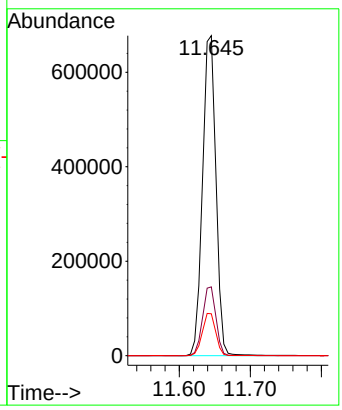


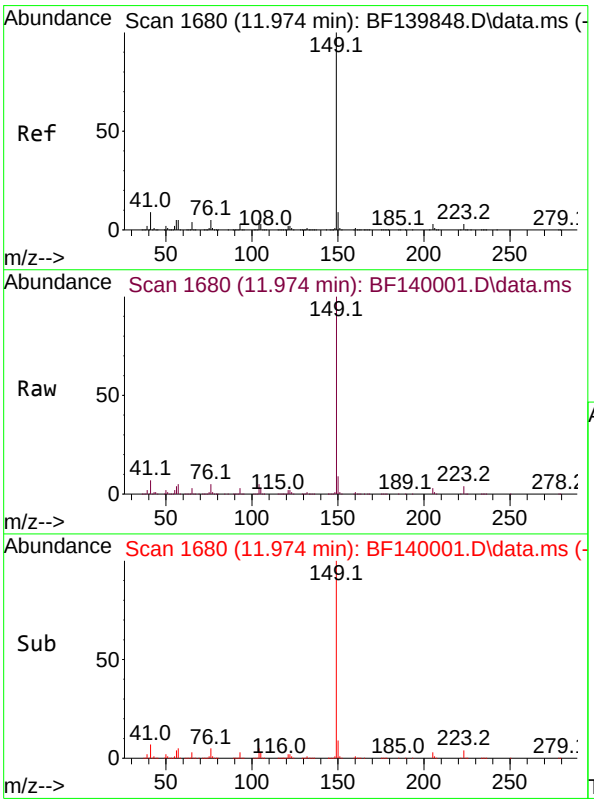
#73
Carbazole
Concen: 37.808 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 893010

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.1	10.8	16.2

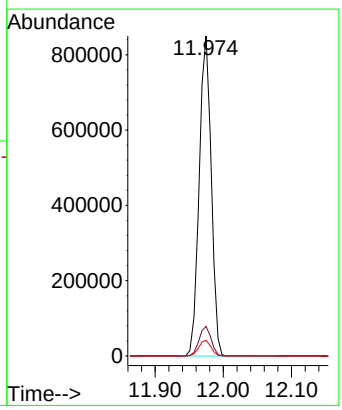


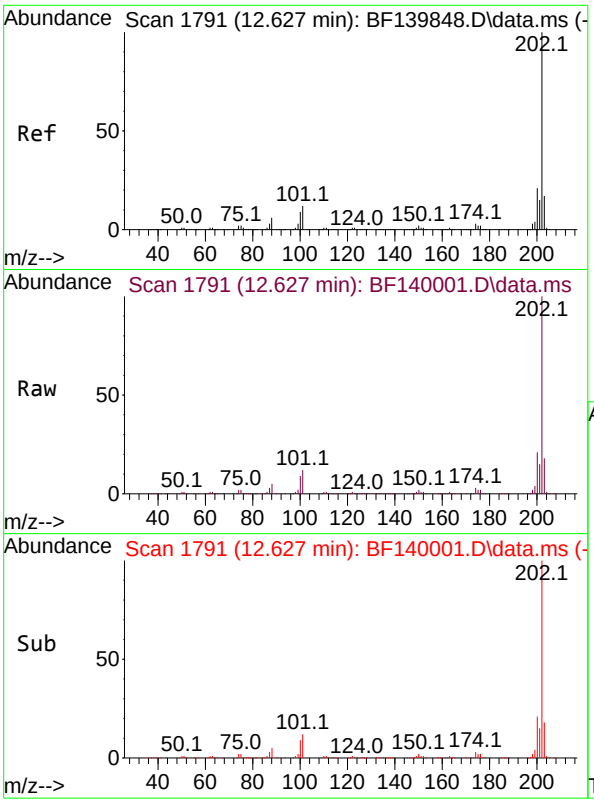


#74
Di-n-butylphthalate
Concen: 38.163 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 1041401

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1



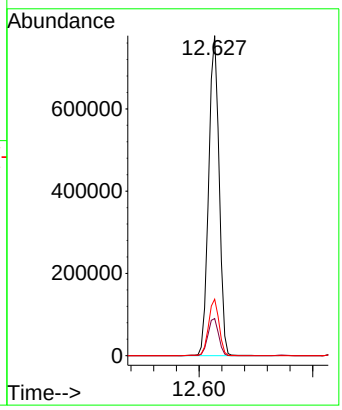


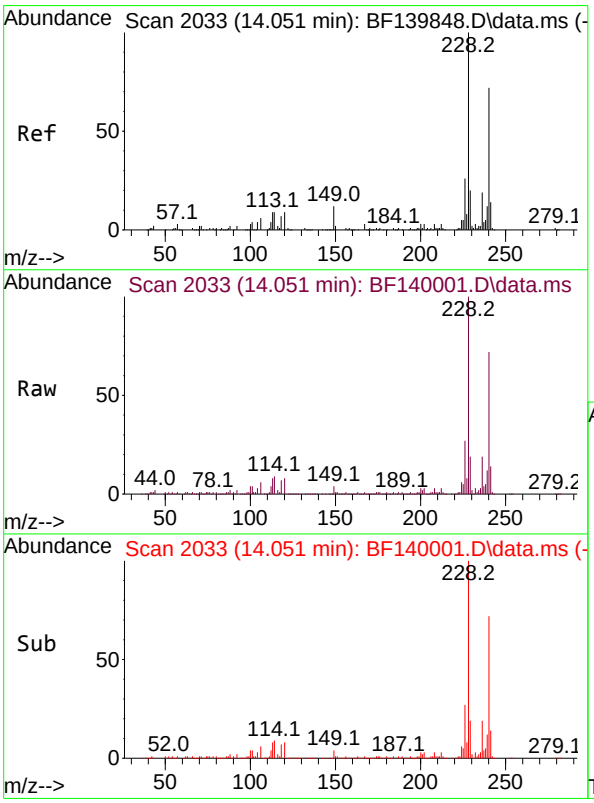
#75
Fluoranthene
Concen: 37.517 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 987214

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.9
203	17.7	0.0	37.5

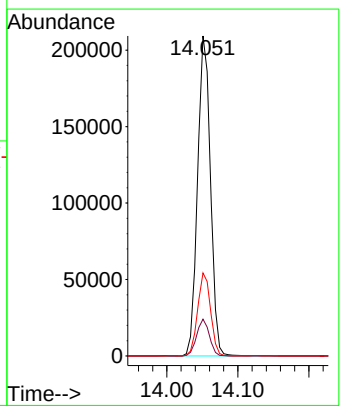


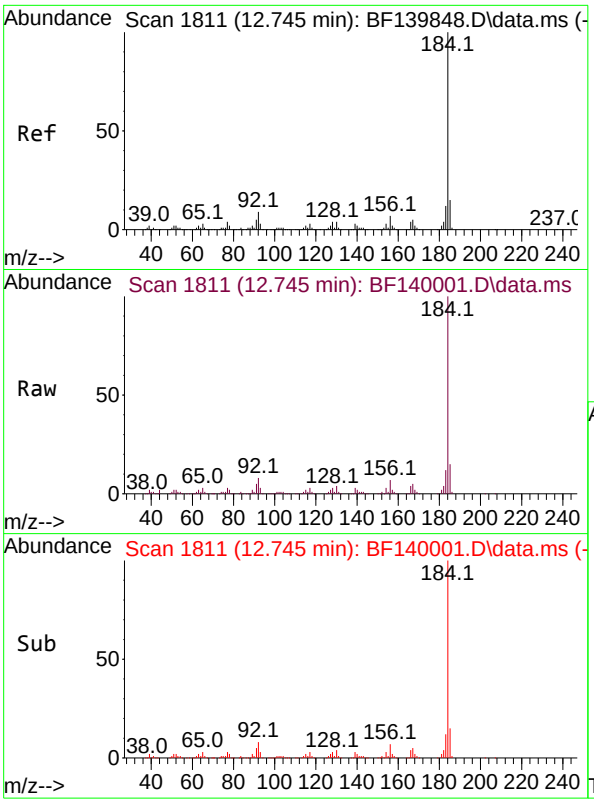


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:240 Resp: 264546

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.4	14.2
236	25.9	20.9	31.3



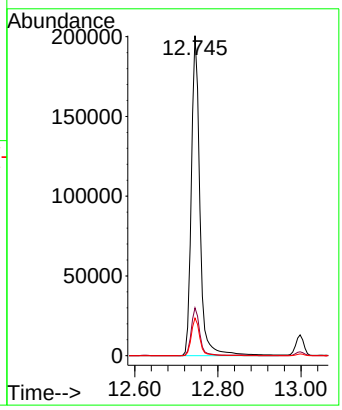


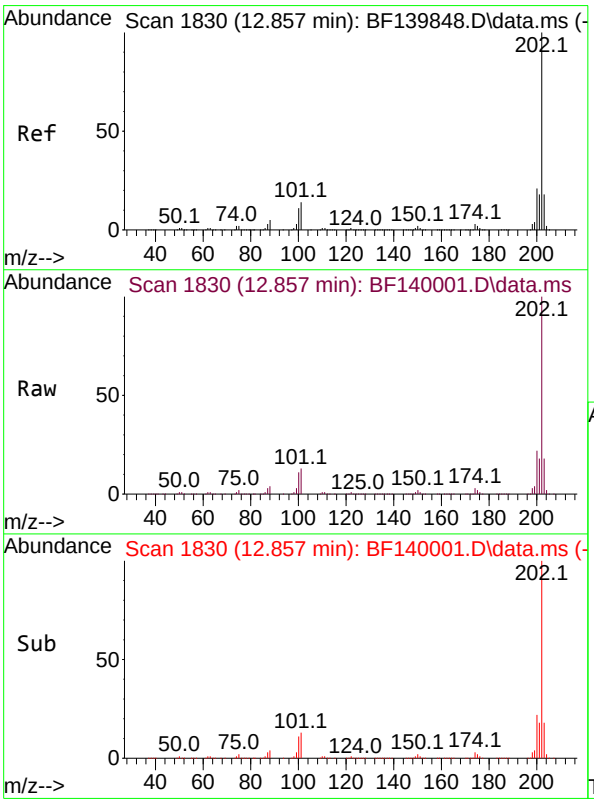
#77
Benzidine
Concen: 65.959 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 286923

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.0	18.0
183	11.8	9.4	14.2

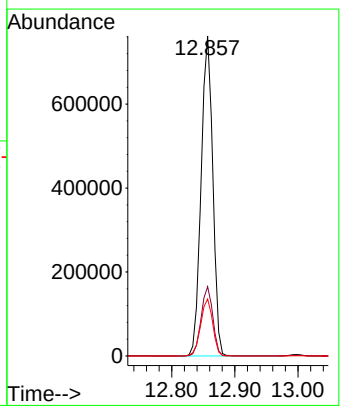


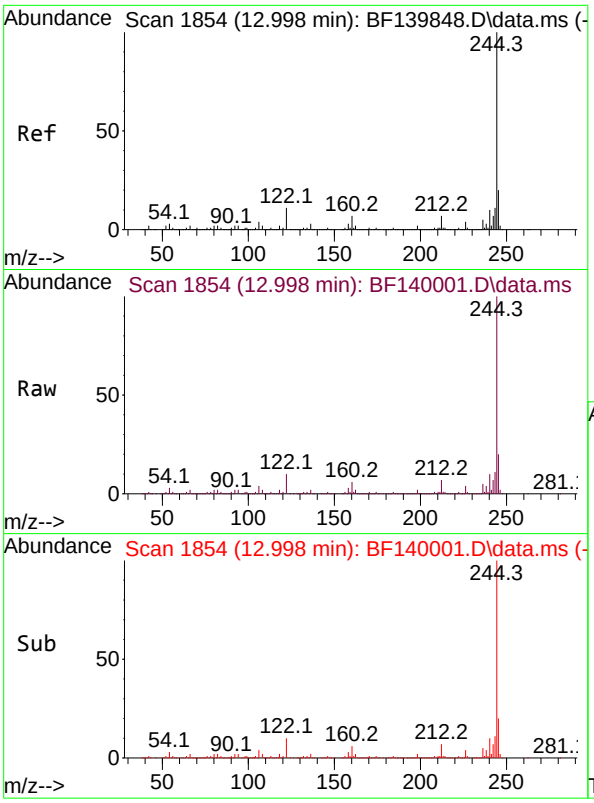


#78
Pyrene
Concen: 42.378 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:202 Resp: 981324

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.8	14.2	21.4



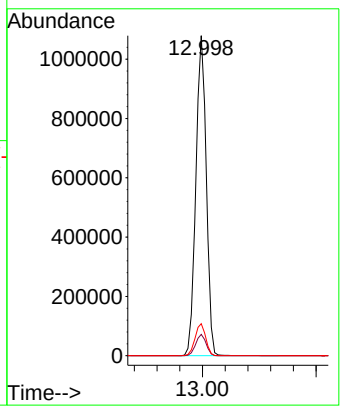


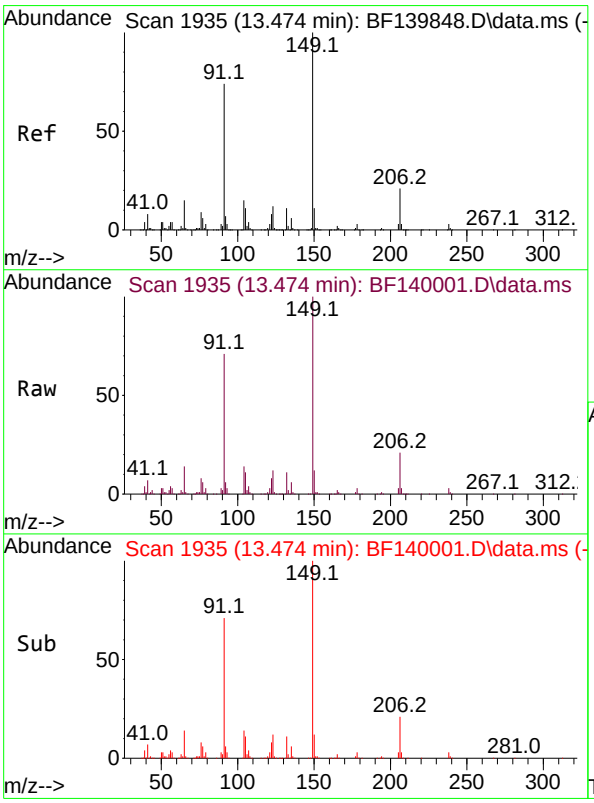
#79
Terphenyl-d14
Concen: 85.096 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1381525

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.0	8.6	13.0

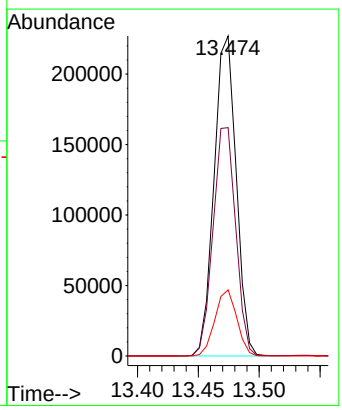


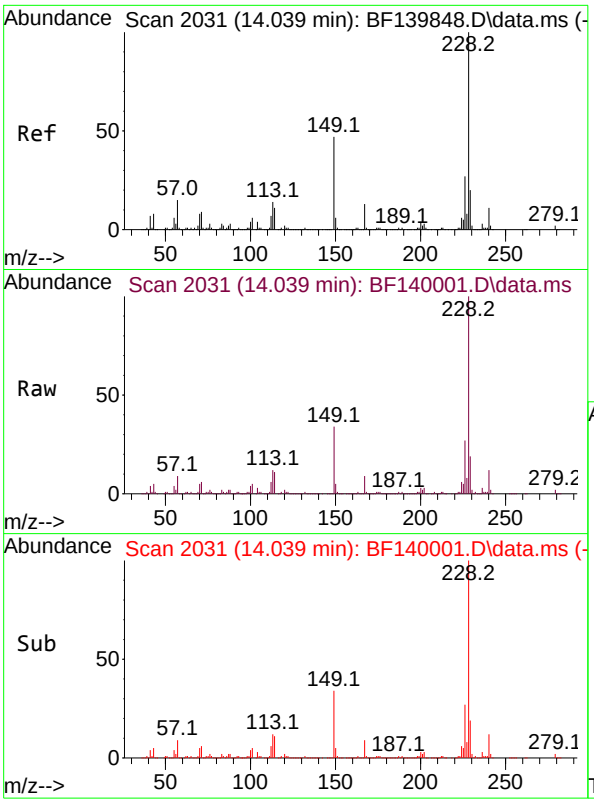


#80
Butylbenzylphthalate
Concen: 41.445 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 287725

Ion	Ratio	Lower	Upper
149	100		
91	71.4	59.4	89.2
206	20.7	16.4	24.6



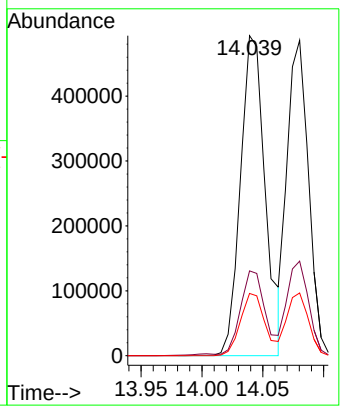


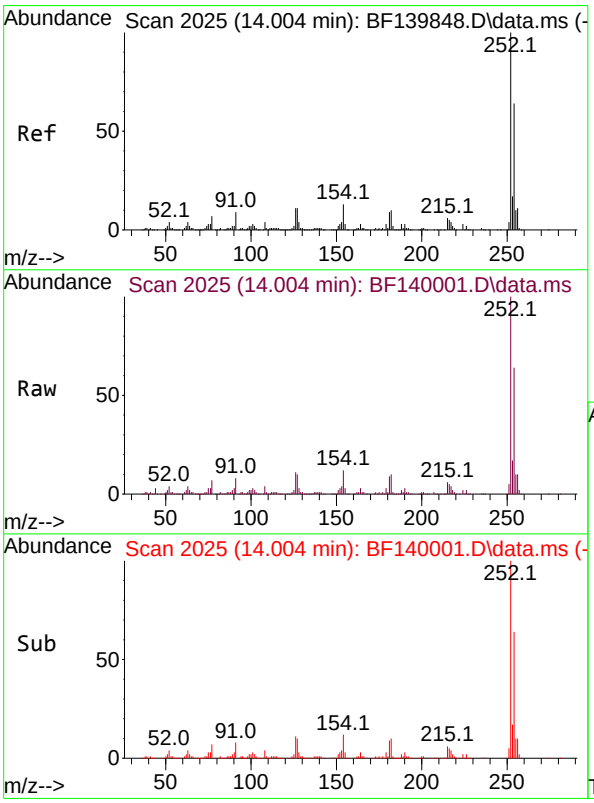
#81
Benzo(a)anthracene
Concen: 40.605 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 699263

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.6	32.4
229	19.4	16.1	24.1

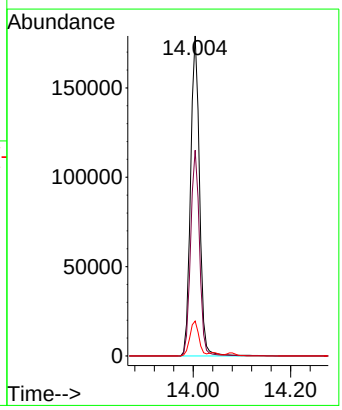


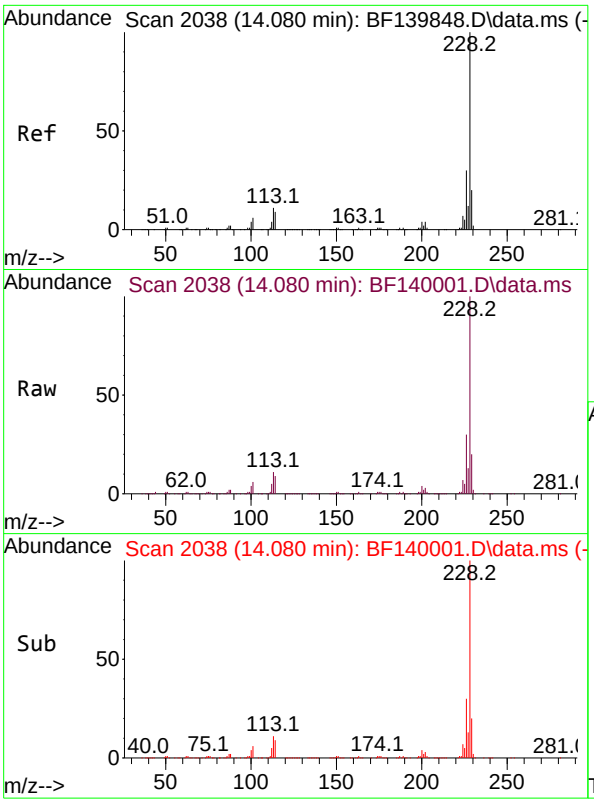


#82
3,3'-Dichlorobenzidine
Concen: 45.786 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:252 Resp: 229894

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.8	76.2
126	10.9	8.9	13.3



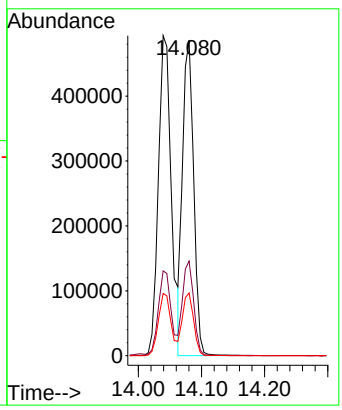


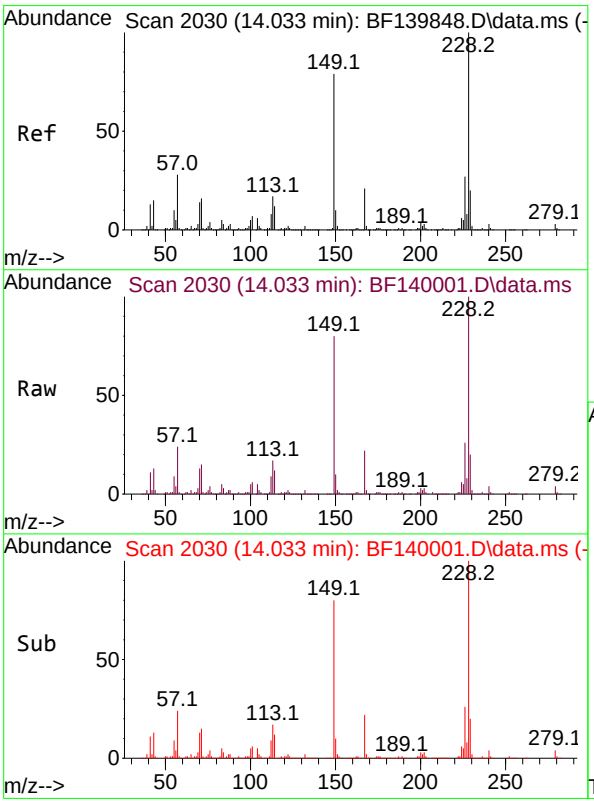
#83
Chrysene
Concen: 37.681 ng
RT: 14.080 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 594964

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.9	15.8	23.6

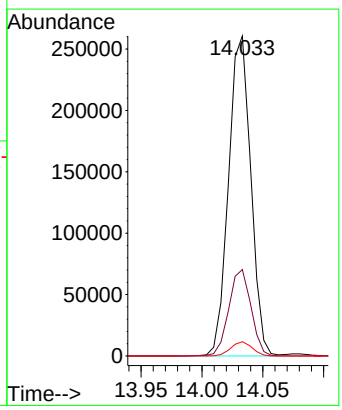


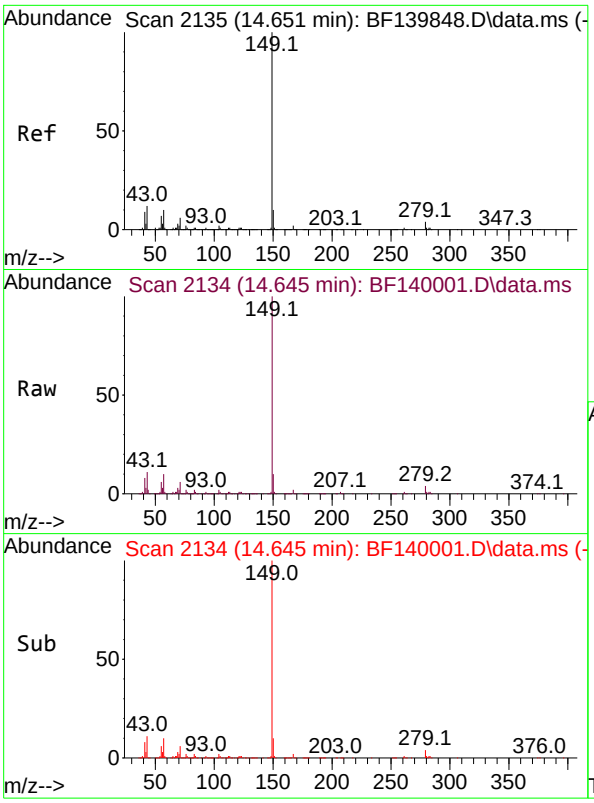


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.582 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:149 Resp: 331672

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.5	3.0	4.4#



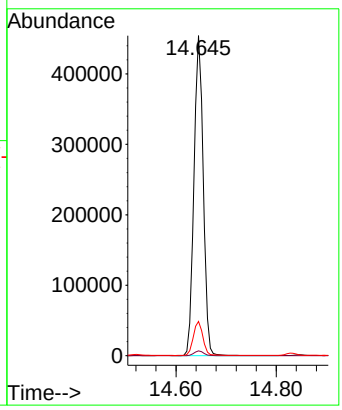


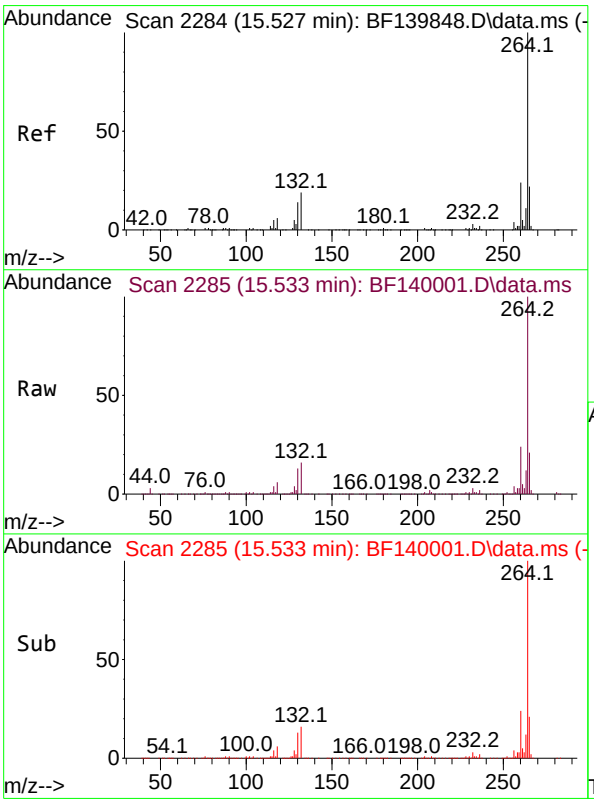
#85
Di-n-octyl phthalate
Concen: 41.159 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 583105

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.0	9.8	14.6

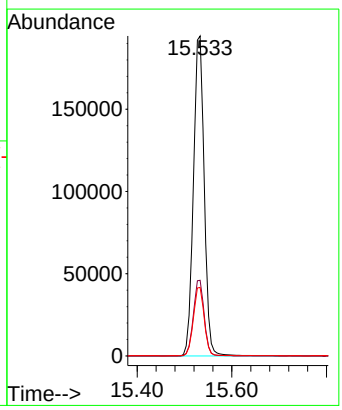


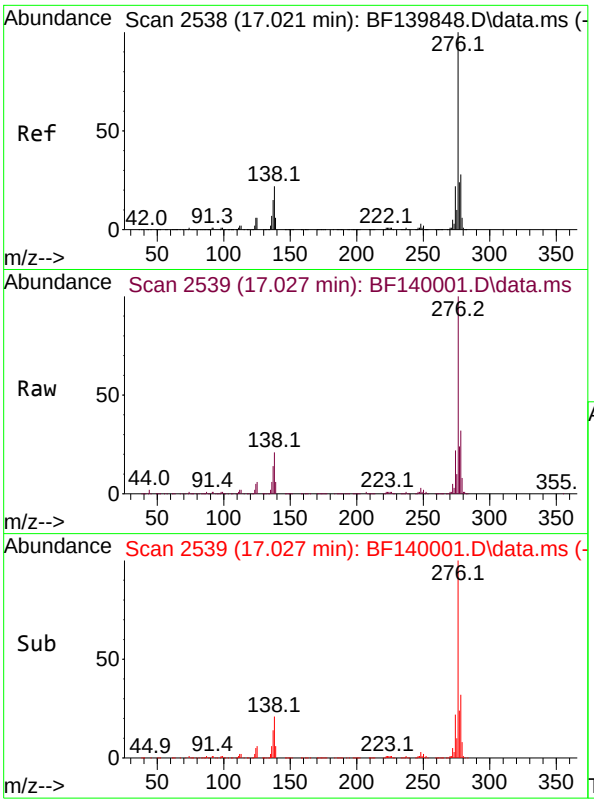


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:264 Resp: 308388

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.4	17.4	26.0



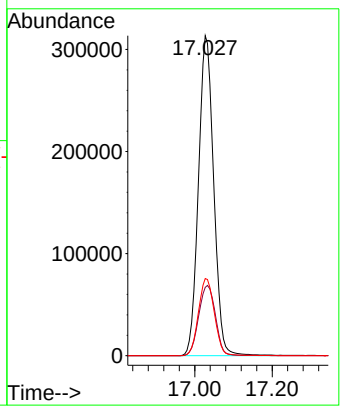


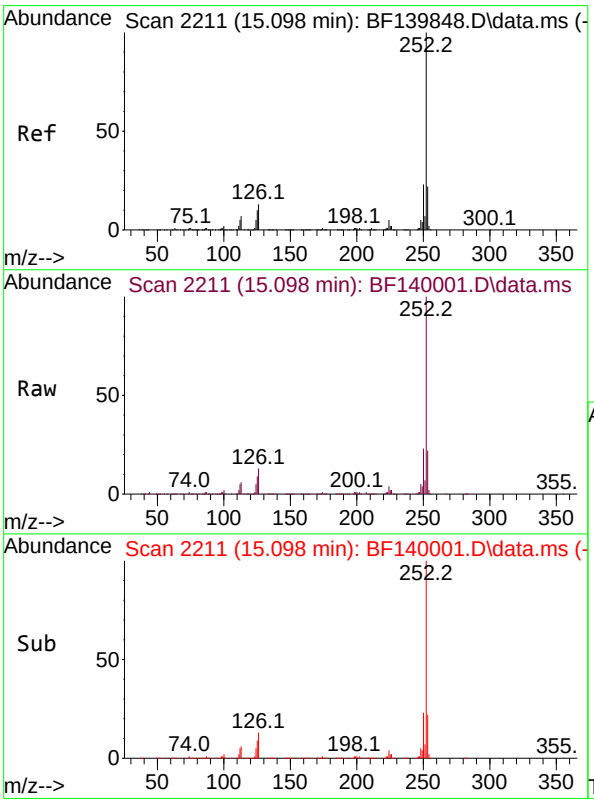
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.090 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 854880

Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.4	30.6
277	25.2	20.2	30.4

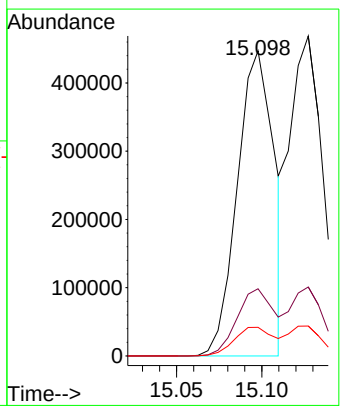


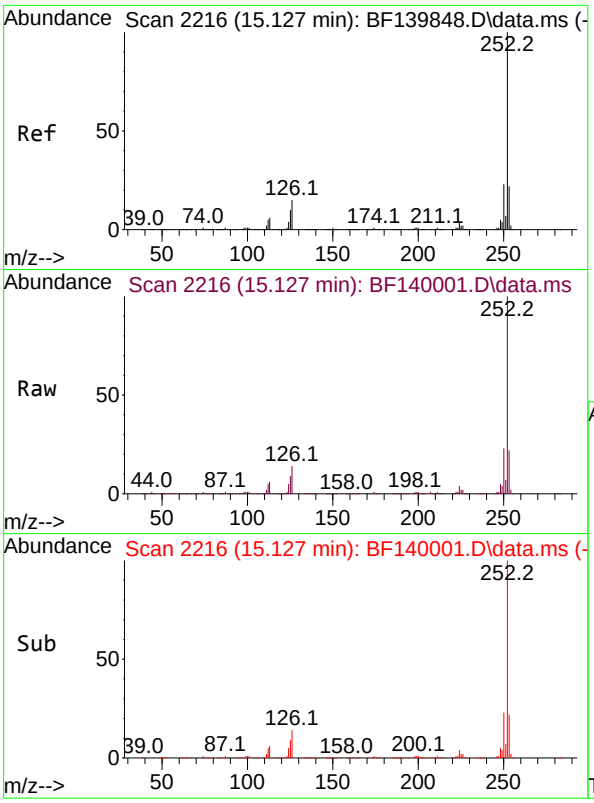


#88
Benzo(b)fluoranthene
Concen: 35.677 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:252 Resp: 670218

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.4	7.9	11.9



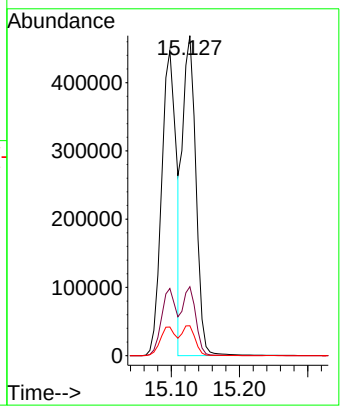


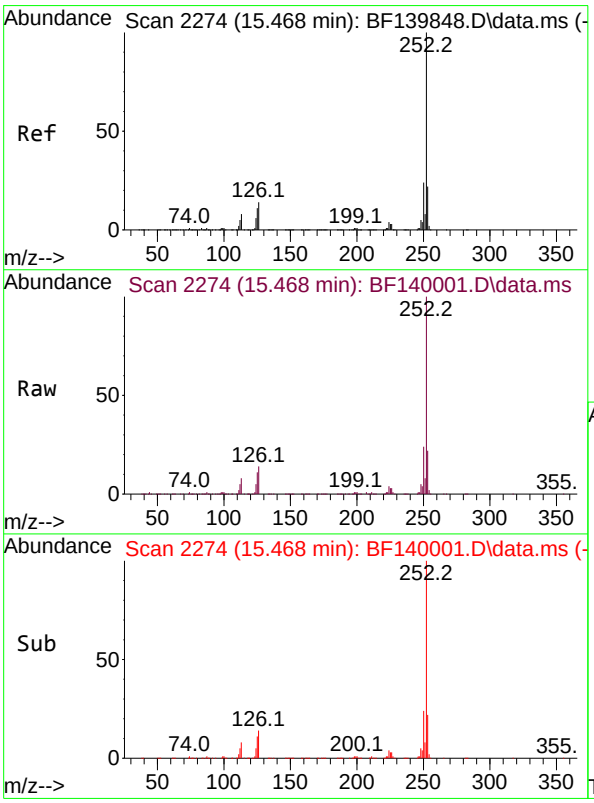
#89
Benzo(k)fluoranthene
Concen: 39.299 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 636690

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.4	7.9	11.9

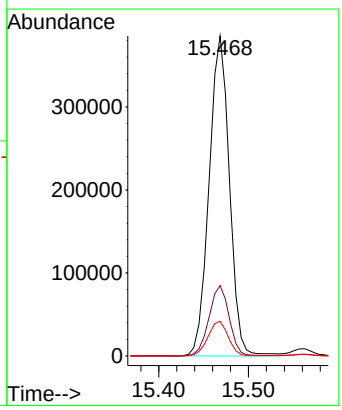


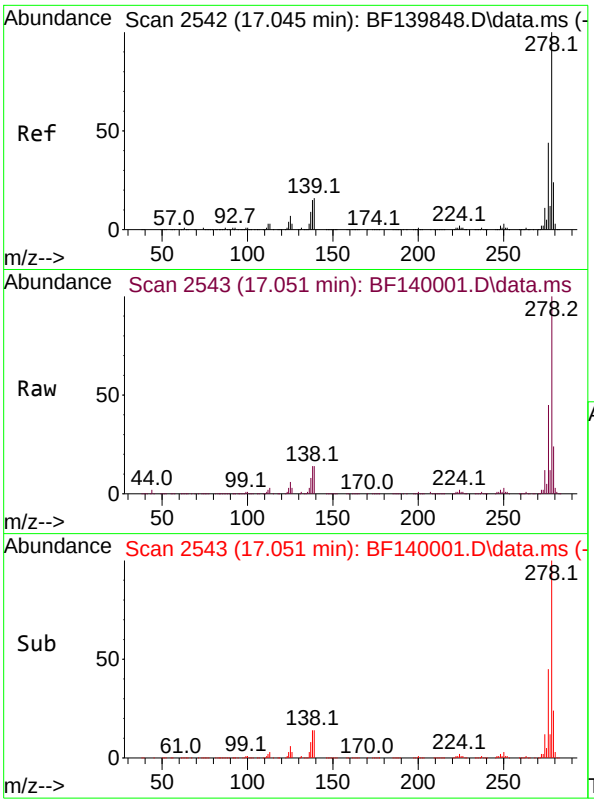


#90
Benzo(a)pyrene
Concen: 39.262 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:252 Resp: 606890

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.8	8.7	13.1



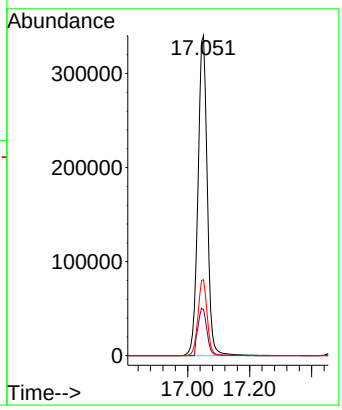


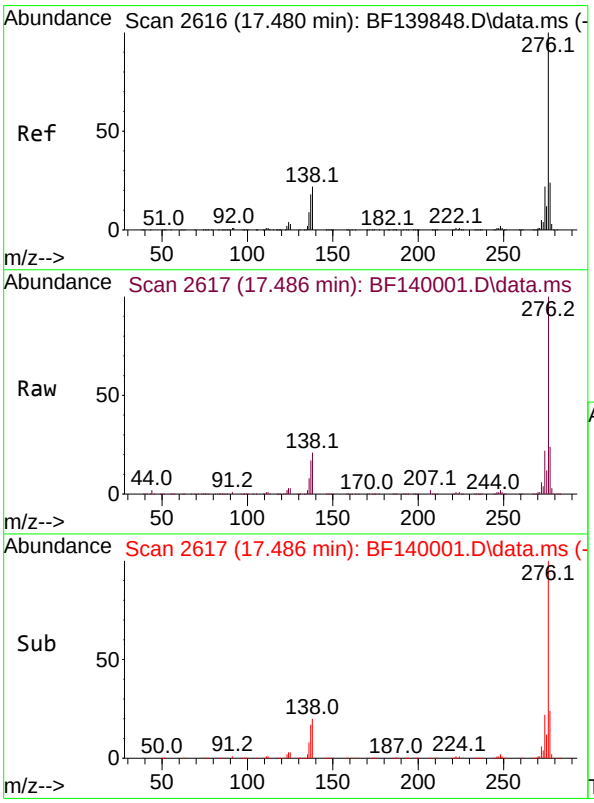
#91
Dibenzo(a,h)anthracene
Concen: 43.023 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 712057

Ion	Ratio	Lower	Upper
278	100		
139	14.4	13.1	19.7
279	23.8	19.0	28.4

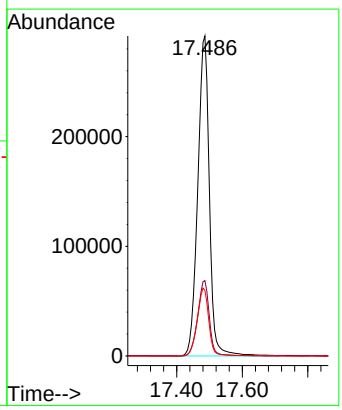




#92
Benzo(g,h,i)perylene
Concen: 43.554 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF140001.D
Acq: 24 Oct 2024 15:16

Tgt Ion:276 Resp: 720021

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	20.5	17.4	26.0



Sample Results: **BF140001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	89	0.00
2		1,4-Dioxane	0.596	0.573	3.9	87	-0.02
3		Pyridine	1.476	1.408	4.6	84	-0.01
4		n-Nitrosodimethylamine	0.793	0.688	13.2	76	-0.01
5	S	2-Fluorophenol	1.278	1.208	5.5	84	0.00
6		Aniline	1.542	1.435	6.9	81	0.00
7	S	Phenol-d6	1.655	1.521	8.1	83	0.00
8		2-Chlorophenol	1.306	1.259	3.6	86	0.00
9		Benzaldehyde	0.931	0.931	0.0	88	0.00
10	C	Phenol	1.706	1.601	6.2	84	0.00
11		bis(2-Chloroethyl)ether	1.319	1.259	4.5	87	0.00
12		1,3-Dichlorobenzene	1.499	1.462	2.5	87	0.00
13	C	1,4-Dichlorobenzene	1.498	1.466	2.1	88	0.00
14		1,2-Dichlorobenzene	1.398	1.368	2.1	89	0.00
15		Benzyl Alcohol	1.214	1.131	6.8	83	0.00
16		2,2'-oxybis(1-Chloropropane	2.248	1.948	13.3	77	0.00
17		2-Methylphenol	1.114	1.047	6.0	84	0.00
18		Hexachloroethane	0.534	0.526	1.5	87	0.00
19	P	n-Nitroso-di-n-propylamine	1.004	0.889	11.5	81	0.00
20		3+4-Methylphenols	1.424	1.322	7.2	83	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22		Acetophenone	0.490	0.472	3.7	84	0.00
23	S	Nitrobenzene-d5	0.361	0.374	-3.6	87	0.00
24		Nitrobenzene	0.396	0.397	-0.3	85	0.00
25		Isophorone	0.685	0.655	4.4	83	0.00
26	C	2-Nitrophenol	0.149	0.178	-19.5	98	0.00
27		2,4-Dimethylphenol	0.249	0.238	4.4	83	0.00
28		bis(2-Chloroethoxy)methane	0.415	0.407	1.9	85	0.00
29	C	2,4-Dichlorophenol	0.283	0.285	-0.7	87	0.00
30		1,2,4-Trichlorobenzene	0.314	0.319	-1.6	87	0.00
31		Naphthalene	1.031	1.015	1.6	86	0.00
32		Benzoic acid	0.217	0.241	-11.1	95	0.00
33		4-Chloroaniline	0.352	0.336	4.5	82	0.00
34	C	Hexachlorobutadiene	0.197	0.203	-3.0	89	0.00
35		Caprolactam	0.090	0.089	1.1	83	0.00
36	C	4-Chloro-3-methylphenol	0.314	0.306	2.5	84	0.00
37		2-Methylnaphthalene	0.632	0.623	1.4	86	0.00
38		1-Methylnaphthalene	0.620	0.608	1.9	86	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.540	0.560	-3.7	89	0.00
41	P	Hexachlorocyclopentadiene	0.188	0.199	-5.9	86	0.00
42	S	2,4,6-Tribromophenol	0.187	0.207	-10.7	95	0.00
43	C	2,4,6-Trichlorophenol	0.382	0.387	-1.3	86	0.00
44		2,4,5-Trichlorophenol	0.394	0.415	-5.3	89	0.00
45	S	2-Fluorobiphenyl	1.210	1.197	1.1	88	0.00
46		1,1'-Biphenyl	1.392	1.393	-0.1	87	0.00
47		2-Chloronaphthalene	1.121	1.127	-0.5	87	0.00

Sample Results: **BF140001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	0.343	0.369	-7.6	87	0.00
49		Acenaphthylene	1.621	1.600	1.3	85	0.00
50		Dimethylphthalate	1.246	1.232	1.1	85	0.00
51		2,6-Dinitrotoluene	0.270	0.292	-8.1	89	0.00
52	C	Acenaphthene	1.049	1.061	-1.1	87	0.00
53		3-Nitroaniline	0.278	0.285	-2.5	84	0.00
54	P	2,4-Dinitrophenol	0.093	0.142	-52.7#	120	0.00
55		Dibenzofuran	1.505	1.482	1.5	85	0.00
56	P	4-Nitrophenol	0.214	0.216	-0.9	80	0.00
57		2,4-Dinitrotoluene	0.332	0.371	-11.7	89	0.00
58		Fluorene	1.146	1.115	2.7	86	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.321	-3.9	89	0.00
60		Diethylphthalate	1.223	1.183	3.3	83	0.00
61		4-Chlorophenyl-phenylether	0.579	0.577	0.3	87	0.00
62		4-Nitroaniline	0.263	0.268	-1.9	83	0.00
63		Azobenzene	1.297	1.207	6.9	79	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	0.082	0.115	-40.2#	110	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.597	0.3	83	0.00
67		4-Bromophenyl-phenylether	0.206	0.220	-6.8	90	0.00
68		Hexachlorobenzene	0.232	0.242	-4.3	87	0.00
69		Atrazine	0.162	0.163	-0.6	78	0.00
70	C	Pentachlorophenol	0.141	0.159	-12.8	87	0.00
71		Phenanthrene	0.945	0.922	2.4	82	0.00
72		Anthracene	0.922	0.910	1.3	83	0.00
73		Carbazole	0.857	0.810	5.5	80	0.00
74		Di-n-butylphthalate	0.990	0.945	4.5	77	0.00
75	C	Fluoranthene	0.955	0.896	6.2	79	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77		Benzidine	0.329	0.542	-64.7#	113	0.00
78		Pyrene	1.751	1.855	-5.9	79	0.00
79	S	Terphenyl-d14	1.227	1.306	-6.4	80	0.00
80		Butylbenzylphthalate	0.525	0.544	-3.6	75	0.00
81		Benzo(a)anthracene	1.302	1.322	-1.5	76	0.00
82		3,3'-Dichlorobenzidine	0.380	0.435	-14.5	86	0.00
83		Chrysene	1.194	1.125	5.8	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.589	0.627	-6.5	77	0.00
85	c	Di-n-octyl phthalate	1.071	1.102	-2.9	74	0.00
86	I	Perylene-d12	1.000	1.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	1.287	1.386	-7.7	87	0.00
88		Benzo(b)fluoranthene	1.218	1.087	10.8	77	0.00
89		Benzo(k)fluoranthene	1.051	1.032	1.8	82	0.00
90	C	Benzo(a)pyrene	1.002	0.984	1.8	81	0.00
91		Dibenzo(a,h)anthracene	1.073	1.154	-7.5	87	0.00
92		Benzo(g,h,i)perylene	1.072	1.167	-8.9	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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: **BF140001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	89	0.00
2		1,4-Dioxane	40.000	38.479	3.8	87	-0.02
3		Pyridine	40.000	38.153	4.6	84	-0.01
4		n-Nitrosodimethylamine	40.000	34.702	13.2	76	-0.01
5	S	2-Fluorophenol	80.000	75.672	5.4	84	0.00
6		Aniline	40.000	37.209	7.0	81	0.00
7	S	Phenol-d6	80.000	73.541	8.1	83	0.00
8		2-Chlorophenol	40.000	38.564	3.6	86	0.00
9		Benzaldehyde	40.000	40.001	-0.0	88	0.00
10	C	Phenol	40.000	37.544	6.1	84	0.00
11		bis(2-Chloroethyl)ether	40.000	38.186	4.5	87	0.00
12		1,3-Dichlorobenzene	40.000	39.005	2.5	87	0.00
13	C	1,4-Dichlorobenzene	40.000	39.154	2.1	88	0.00
14		1,2-Dichlorobenzene	40.000	39.134	2.2	89	0.00
15		Benzyl Alcohol	40.000	37.266	6.8	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.654	13.4	77	0.00
17		2-Methylphenol	40.000	37.597	6.0	84	0.00
18		Hexachloroethane	40.000	39.364	1.6	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.422	11.4	81	0.00
20		3+4-Methylphenols	40.000	37.117	7.2	83	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22		Acetophenone	40.000	38.519	3.7	84	0.00
23	S	Nitrobenzene-d5	80.000	82.969	-3.7	87	0.00
24		Nitrobenzene	40.000	40.170	-0.4	85	0.00
25		Isophorone	40.000	38.266	4.3	83	0.00
26	C	2-Nitrophenol	40.000	47.835	-19.6	98	0.00
27		2,4-Dimethylphenol	40.000	38.208	4.5	83	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.197	2.0	85	0.00
29	C	2,4-Dichlorophenol	40.000	40.223	-0.6	87	0.00
30		1,2,4-Trichlorobenzene	40.000	40.717	-1.8	87	0.00
31		Naphthalene	40.000	39.358	1.6	86	0.00
32		Benzoic acid	40.000	44.404	-11.0	95	0.00
33		4-Chloroaniline	40.000	38.210	4.5	82	0.00
34	C	Hexachlorobutadiene	40.000	41.298	-3.2	89	0.00
35		Caprolactam	40.000	39.419	1.5	83	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.961	2.6	84	0.00
37		2-Methylnaphthalene	40.000	39.467	1.3	86	0.00
38		1-Methylnaphthalene	40.000	39.253	1.9	86	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.507	-3.8	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.369	-5.9	86	0.00
42	S	2,4,6-Tribromophenol	80.000	88.611	-10.8	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.531	-1.3	86	0.00
44		2,4,5-Trichlorophenol	40.000	42.166	-5.4	89	0.00
45	S	2-Fluorobiphenyl	80.000	79.111	1.1	88	0.00
46		1,1'-Biphenyl	40.000	40.017	-0.0	87	0.00
47		2-Chloronaphthalene	40.000	40.195	-0.5	87	0.00

Sample Results: **BF140001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	42.983	-7.5	87	0.00
49		Acenaphthylene	40.000	39.476	1.3	85	0.00
50		Dimethylphthalate	40.000	39.563	1.1	85	0.00
51		2,6-Dinitrotoluene	40.000	43.315	-8.3	89	0.00
52	C	Acenaphthene	40.000	40.473	-1.2	87	0.00
53		3-Nitroaniline	40.000	41.030	-2.6	84	0.00
54	P	2,4-Dinitrophenol	40.000	52.914	-32.3#	120	0.00
55		Dibenzofuran	40.000	39.406	1.5	85	0.00
56	P	4-Nitrophenol	40.000	40.368	-0.9	80	0.00
57		2,4-Dinitrotoluene	40.000	44.750	-11.9	89	0.00
58		Fluorene	40.000	38.903	2.7	86	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.495	-3.7	89	0.00
60		Diethylphthalate	40.000	38.673	3.3	83	0.00
61		4-Chlorophenyl-phenylether	40.000	39.877	0.3	87	0.00
62		4-Nitroaniline	40.000	40.734	-1.8	83	0.00
63		Azobenzene	40.000	37.225	6.9	79	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	40.000	56.462	-41.2#	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.892	0.3	83	0.00
67		4-Bromophenyl-phenylether	40.000	42.680	-6.7	90	0.00
68		Hexachlorobenzene	40.000	41.827	-4.6	87	0.00
69		Atrazine	40.000	40.265	-0.7	78	0.00
70	C	Pentachlorophenol	40.000	45.178	-12.9	87	0.00
71		Phenanthrene	40.000	39.028	2.4	82	0.00
72		Anthracene	40.000	39.491	1.3	83	0.00
73		Carbazole	40.000	37.808	5.5	80	0.00
74		Di-n-butylphthalate	40.000	38.163	4.6	77	0.00
75	C	Fluoranthene	40.000	37.517	6.2	79	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77		Benzidine	40.000	65.959	-64.9#	113	0.00
78		Pyrene	40.000	42.378	-5.9	79	0.00
79	S	Terphenyl-d14	80.000	85.096	-6.4	80	0.00
80		Butylbenzylphthalate	40.000	41.445	-3.6	75	0.00
81		Benzo(a)anthracene	40.000	40.605	-1.5	76	0.00
82		3,3'-Dichlorobenzidine	40.000	45.786	-14.5	86	0.00
83		Chrysene	40.000	37.681	5.8	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.582	-6.5	77	0.00
85	c	Di-n-octyl phthalate	40.000	41.159	-2.9	74	0.00
86	I	Perylene-d12	20.000	20.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.090	-7.7	87	0.00
88		Benzo(b)fluoranthene	40.000	35.677	10.8	77	0.00
89		Benzo(k)fluoranthene	40.000	39.299	1.8	82	0.00
90	C	Benzo(a)pyrene	40.000	39.262	1.8	81	0.00
91		Dibenzo(a,h)anthracene	40.000	43.023	-7.6	87	0.00
92		Benzo(g,h,i)perylene	40.000	43.554	-8.9	87	0.00

Sample Results: **BF140001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140001.D
Acq On : 24 Oct 2024 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 16:03:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.220		-4.5	
Benzaldehyde	0.931	0.910		-2.3	
Phenol-d6	1.655	1.531		-7.5	
Phenol	1.706	1.580		-7.4	20.0
bis(2-Chloroethyl)ether	1.319	1.223		-7.3	
2-Chlorophenol	1.306	1.244		-4.7	
2-Methylphenol	1.114	1.029		-7.6	
2,2-oxybis(1-Chloropropane)	2.248	1.911		-15.0	
Acetophenone	0.490	0.475		-3.1	
3+4-Methylphenols	1.424	1.308		-8.1	
n-Nitroso-di-n-propylamine	1.004	0.873	0.050	-13.0	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.520		-2.6	
Nitrobenzene	0.396	0.399		0.8	
Isophorone	0.685	0.645		-5.8	
2-Nitrophenol	0.149	0.164		10.1	20.0
2,4-Dimethylphenol	0.249	0.232		-6.8	
bis(2-Chloroethoxy)methane	0.415	0.393		-5.3	
2,4-Dichlorophenol	0.283	0.279		-1.4	20.0
Naphthalene	1.031	1.028		-0.3	
4-Chloroaniline	0.352	0.343		-2.6	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.088		-2.2	
4-Chloro-3-methylphenol	0.314	0.307		-2.2	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.191	0.050	1.6	
2,4,6-Trichlorophenol	0.382	0.374		-2.1	20.0
2-Fluorobiphenyl	1.210	1.211		0.1	
2,4,5-Trichlorophenol	0.394	0.414		5.1	
1,1-Biphenyl	1.392	1.391		-0.1	
2-Chloronaphthalene	1.121	1.129		0.7	
2-Nitroaniline	0.343	0.375		9.3	
Dimethylphthalate	1.246	1.229		-1.4	
Acenaphthylene	1.621	1.628		0.4	
2,6-Dinitrotoluene	0.270	0.290		7.4	
3-Nitroaniline	0.278	0.298		7.2	
Acenaphthene	1.049	1.058		0.9	20.0
2,4-Dinitrophenol	0.093	0.126	0.050	35.5	
4-Nitrophenol	0.214	0.229	0.050	7.0	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.491		-0.9	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.181		-3.4	
4-Chlorophenyl-phenylether	0.579	0.581		0.3	
Fluorene	1.146	1.149		0.3	
4-Nitroaniline	0.263	0.289		9.9	
4,6-Dinitro-2-methylphenol	0.082	0.104		26.8	
n-Nitrosodiphenylamine	0.599	0.572		-4.5	20.0
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.202		-1.9	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.156		-3.7	
Pentachlorophenol	0.141	0.152		7.8	20.0
Phenanthrene	0.945	0.913		-3.4	
Anthracene	0.922	0.901		-2.3	
Carbazole	0.857	0.832		-2.9	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.965		1.0	20.0
Pyrene	1.751	1.811		3.4	
Terphenyl-d14	1.227	1.258		2.5	
Butylbenzylphthalate	0.525	0.551		5.0	
3,3-Dichlorobenzidine	0.380	0.409		7.6	
Benzo(a)anthracene	1.302	1.311		0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.606		2.9	
Di-n-octyl phthalate	1.071	0.894		-16.5	20.0
Benzo(b)fluoranthene	1.218	1.154		-5.3	
Benzo(k)fluoranthene	1.051	1.063		1.1	
Benzo(a)pyrene	1.002	1.013		1.1	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.303		1.2	
Dibenzo(a,h)anthracene	1.073	1.070		-0.3	
Benzo(g,h,i)perylene	1.072	1.111		3.6	
1,2,4,5-Tetrachlorobenzene	0.540	0.555		2.8	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.315		1.9	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128827	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	465620	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	252523	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	452033	20.000	ng	0.00
76) Chrysene-d12	14.051	240	241717	20.000	ng	0.00
86) Perylene-d12	15.533	264	235878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	628864	76.419	ng	0.00
7) Phenol-d6	6.510	99	789164	74.043	ng	0.00
23) Nitrobenzene-d5	7.451	82	708619	84.348	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	205981	87.205	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1223250	80.059	ng	0.00
79) Terphenyl-d14	12.998	244	1215864	81.965	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	150421	39.204	ng	95
3) Pyridine	3.434	79	367370	38.628	ng	96
4) n-Nitrosodimethylamine	3.387	42	190956	37.371	ng	99
6) Aniline	6.551	93	368957	37.144	ng	99
8) 2-Chlorophenol	6.675	128	320586	38.107	ng	98
9) Benzaldehyde	6.440	77	234371	39.089	ng	98
10) Phenol	6.528	94	407135m	37.053	ng	
11) bis(2-Chloroethyl)ether	6.628	93	315031	37.093	ng	98
12) 1,3-Dichlorobenzene	6.834	146	380517	39.403	ng	99
13) 1,4-Dichlorobenzene	6.910	146	381820	39.575	ng	98
14) 1,2-Dichlorobenzene	7.063	146	352670	39.166	ng	99
15) Benzyl Alcohol	7.028	79	290777	37.193	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	492247	33.991	ng	98
17) 2-Methylphenol	7.134	107	265251	36.976	ng	99
18) Hexachloroethane	7.404	117	133886	38.915	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	225036	34.813	ng	96
20) 3+4-Methylphenols	7.287	107	337114	36.741	ng	97
22) Acetophenone	7.298	105	442717	38.819	ng	98
24) Nitrobenzene	7.475	77	371997	40.387	ng	99
25) Isophorone	7.710	82	600543	37.663	ng	100
26) 2-Nitrophenol	7.787	139	152898	44.001	ng	98
27) 2,4-Dimethylphenol	7.816	122	215623	37.214	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	366191	37.905	ng	99
29) 2,4-Dichlorophenol	8.022	162	259831	39.370	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	297397	40.725	ng	99
31) Naphthalene	8.192	128	957179	39.859	ng	100
32) Benzoic acid	7.922	122	196406	38.864	ng	99
33) 4-Chloroaniline	8.239	127	319573	39.027	ng	98
34) Hexachlorobutadiene	8.310	225	190352	41.486	ng	99
35) Caprolactam	8.610	113	82029	39.090	ng	92
36) 4-Chloro-3-methylphenol	8.716	107	286338	39.183	ng	98
37) 2-Methylnaphthalene	8.886	142	575923	39.160	ng	99
38) 1-Methylnaphthalene	8.986	142	563589	39.059	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	280380	41.156	ng	100
41) Hexachlorocyclopentadiene	9.039	237	96240	40.599	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	189095	39.204	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	209100	42.019	ng		98
46) 1,1'-Biphenyl	9.351	154	702753	39.976	ng		99
47) 2-Chloronaphthalene	9.375	162	569969	40.256	ng		100
48) 2-Nitroaniline	9.463	65	189346	43.726	ng		97
49) Acenaphthylene	9.792	152	822402	40.178	ng		99
50) Dimethylphthalate	9.645	163	620788	39.467	ng		100
51) 2,6-Dinitrotoluene	9.710	165	146590	43.043	ng		95
52) Acenaphthene	9.963	154	534118	40.337	ng		99
53) 3-Nitroaniline	9.875	138	150273	42.788	ng		98
54) 2,4-Dinitrophenol	9.980	184	63575	47.791	ng	#	1
55) Dibenzofuran	10.133	168	753272	39.650	ng		99
56) 4-Nitrophenol	10.022	139	115811	42.861	ng		98
57) 2,4-Dinitrotoluene	10.110	165	193550	46.215	ng		97
58) Fluorene	10.475	166	580262	40.101	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	158963	40.748	ng		98
60) Diethylphthalate	10.345	149	596467	38.622	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	293294	40.136	ng		99
62) 4-Nitroaniline	10.486	138	145969	44.006	ng		98
63) Azobenzene	10.628	77	604466	36.919	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	94428	51.213	ng		95
66) n-Nitrosodiphenylamine	10.586	169	516725	38.193	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	182651	39.222	ng		98
68) Hexachlorobenzene	11.022	284	210271	40.149	ng		98
69) Atrazine	11.110	200	141427	38.590	ng		98
70) Pentachlorophenol	11.216	266	137449	43.242	ng		99
71) Phenanthrene	11.439	178	825275	38.651	ng		100
72) Anthracene	11.492	178	814682	39.105	ng		100
73) Carbazole	11.645	167	752228	38.824	ng		99
74) Di-n-butylphthalate	11.975	149	855272	38.208	ng		100
75) Fluoranthene	12.627	202	872425	40.418	ng		99
77) Benzidine	12.745	184	218225	54.904	ng		99
78) Pyrene	12.857	202	875493	41.378	ng		100
80) Butylbenzylphthalate	13.469	149	266392	41.996	ng		98
81) Benzo(a)anthracene	14.045	228	634008	40.293	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	197714	43.096	ng		98
83) Chrysene	14.080	228	559543	38.784	ng		100
84) Bis(2-ethylhexyl)phtha...	14.027	149	293086	41.182	ng		99
85) Di-n-octyl phthalate	14.645	149	432082	33.379	ng		98
87) Indeno(1,2,3-cd)pyrene	17.033	276	614705	40.509	ng		97
88) Benzo(b)fluoranthene	15.098	252	544199	37.874	ng		99
89) Benzo(k)fluoranthene	15.127	252	501497	40.470	ng		99
90) Benzo(a)pyrene	15.468	252	477754	40.409	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	504913	39.886	ng		97
92) Benzo(g,h,i)perylene	17.486	276	523930	41.435	ng		98

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

Sample Results: **BF140050.D**

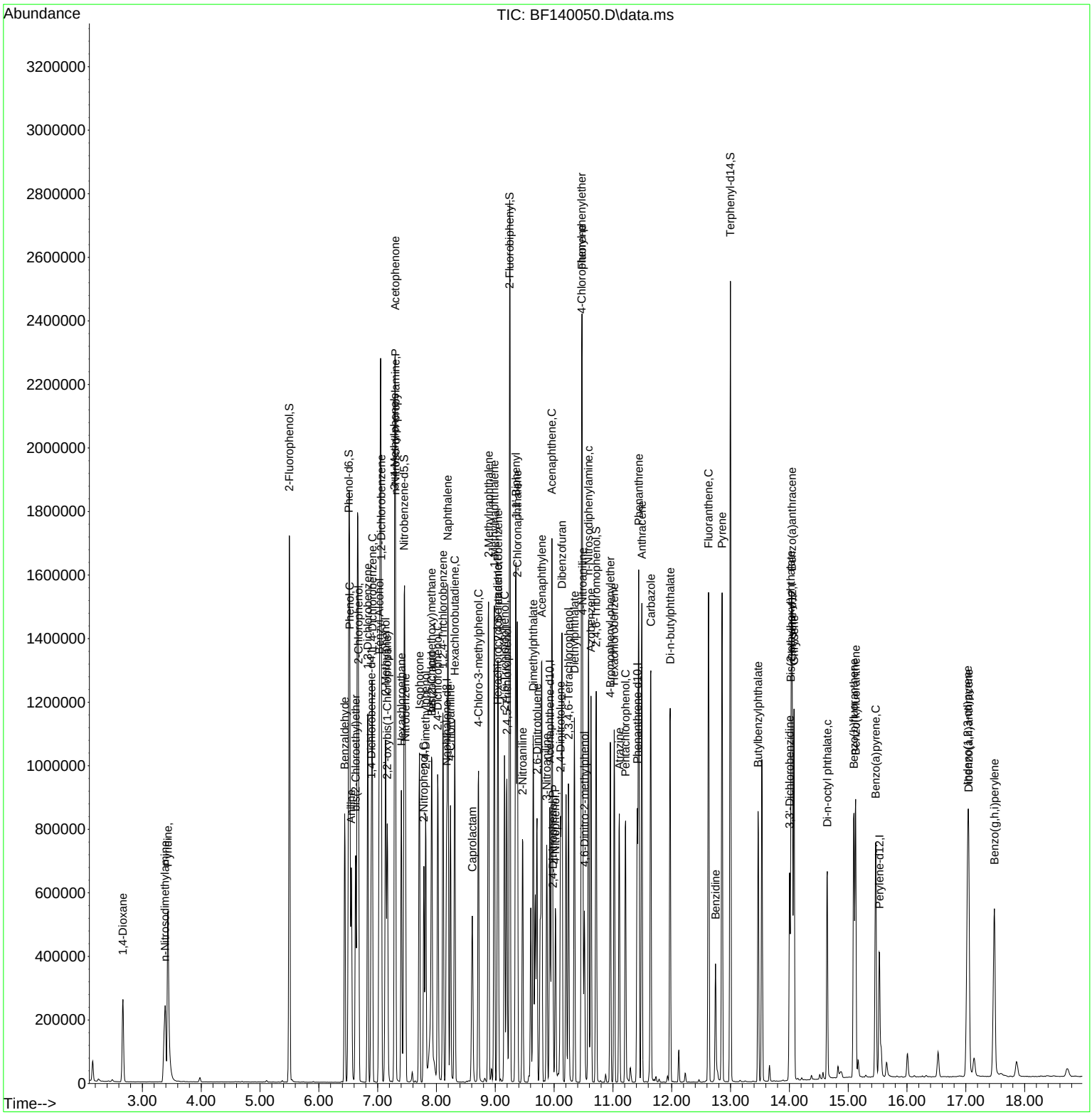
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Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

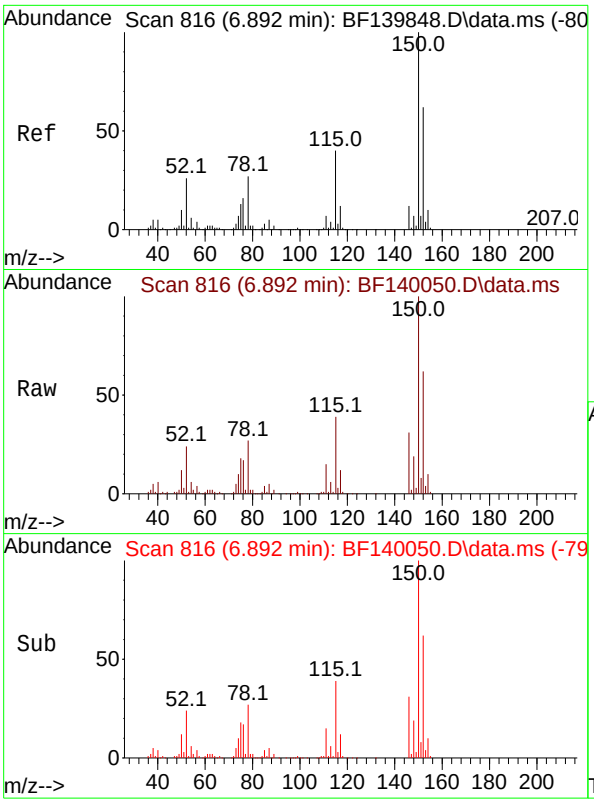
Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

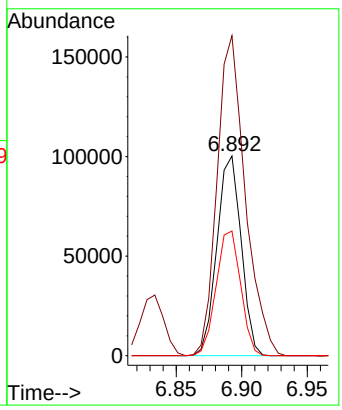




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:152 Resp: 12882

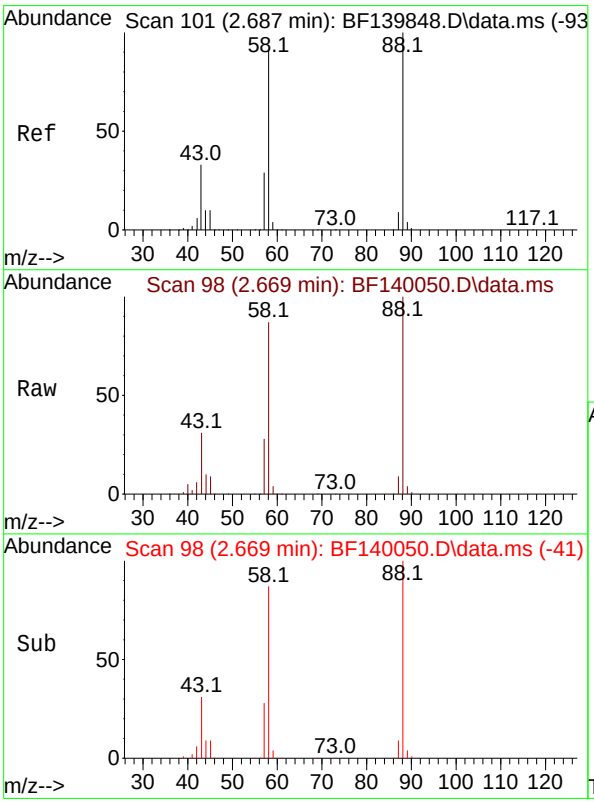
Ion	Ratio	Lower	Upper
152	100		
150	160.2	130.2	195.2
115	62.4	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

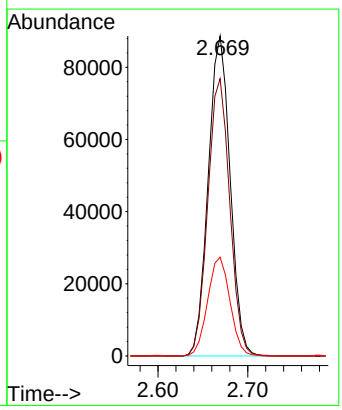
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

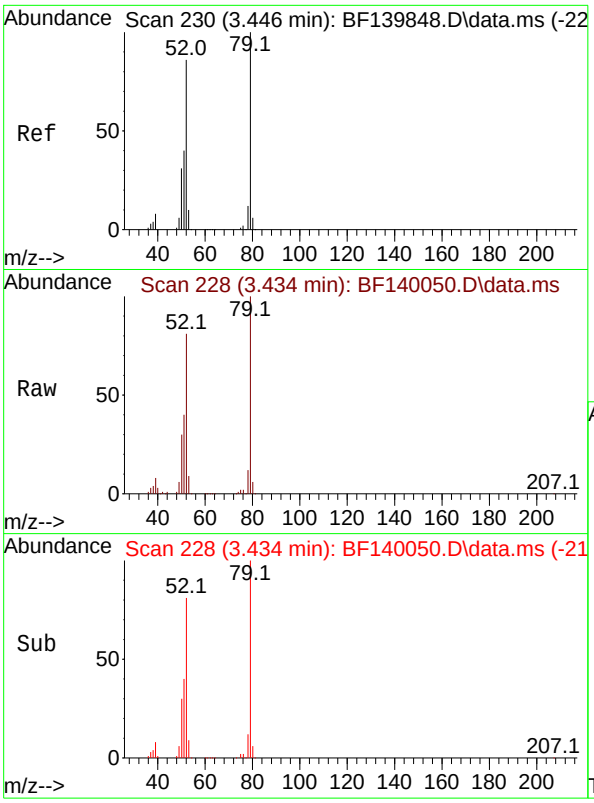


#2
1,4-Dioxane
Concen: 39.204 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.018 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 88 Resp: 150421

Ion	Ratio	Lower	Upper
88	100		
58	86.6	73.3	109.9
43	31.5	27.1	40.7

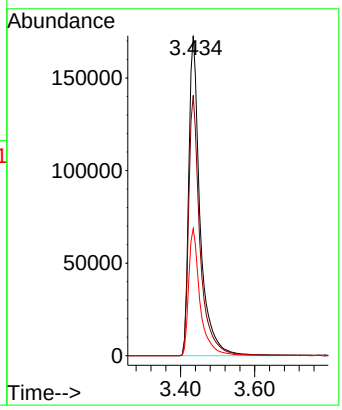




#3
Pyridine
Concen: 38.628 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 79 Resp: 36737

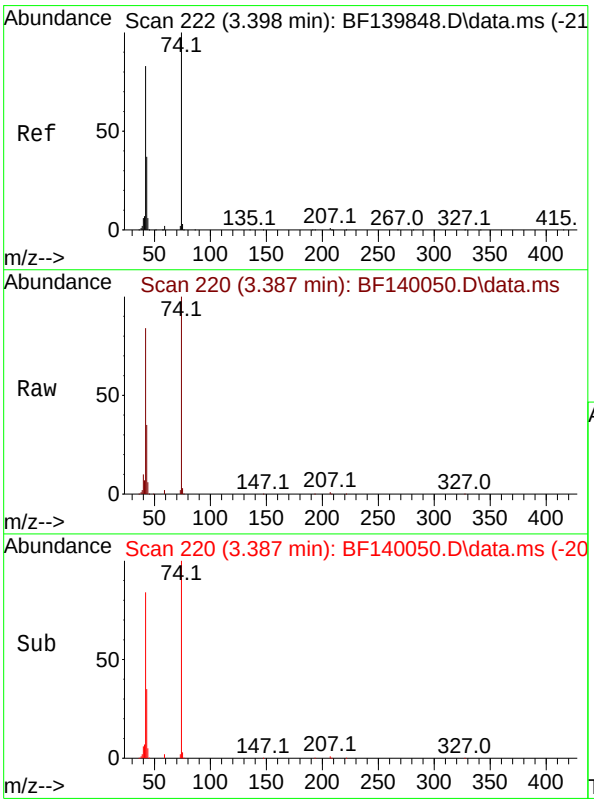
Ion	Ratio	Lower	Upper
79	100		
52	81.3	68.5	102.7
51	39.7	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

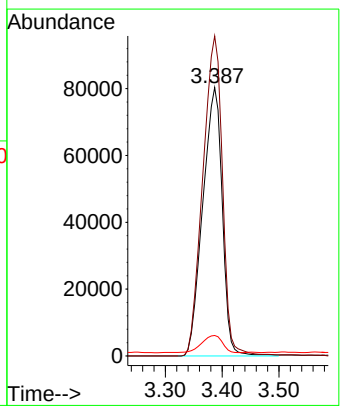
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

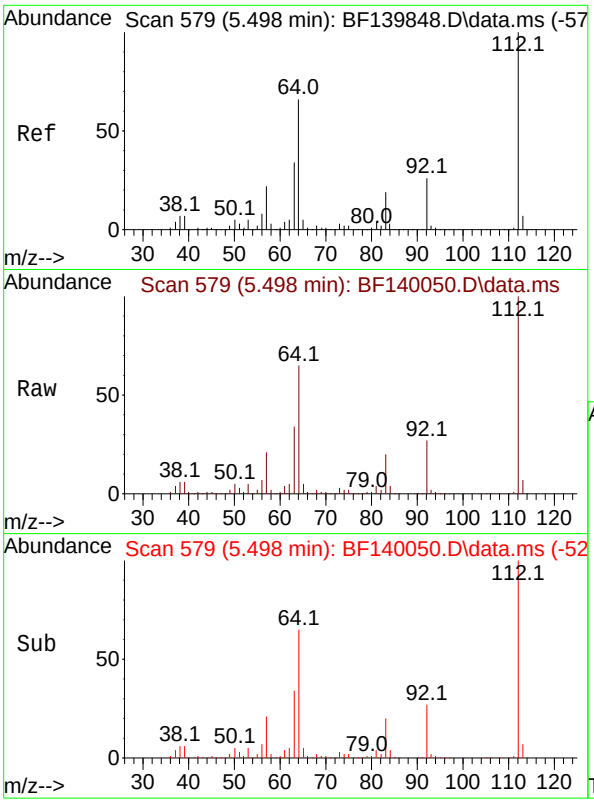


#4
n-Nitrosodimethylamine
Concen: 37.371 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 42 Resp: 190956

Ion	Ratio	Lower	Upper
42	100		
74	119.2	96.2	144.4
44	7.6	6.2	9.2

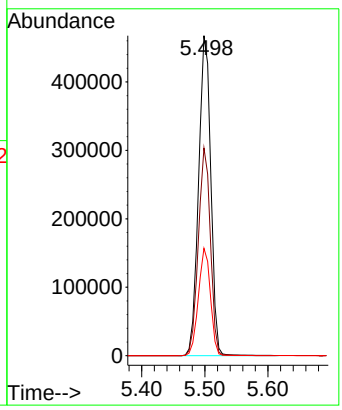




#5
2-Fluorophenol
Concen: 76.419 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:112 Resp: 62886

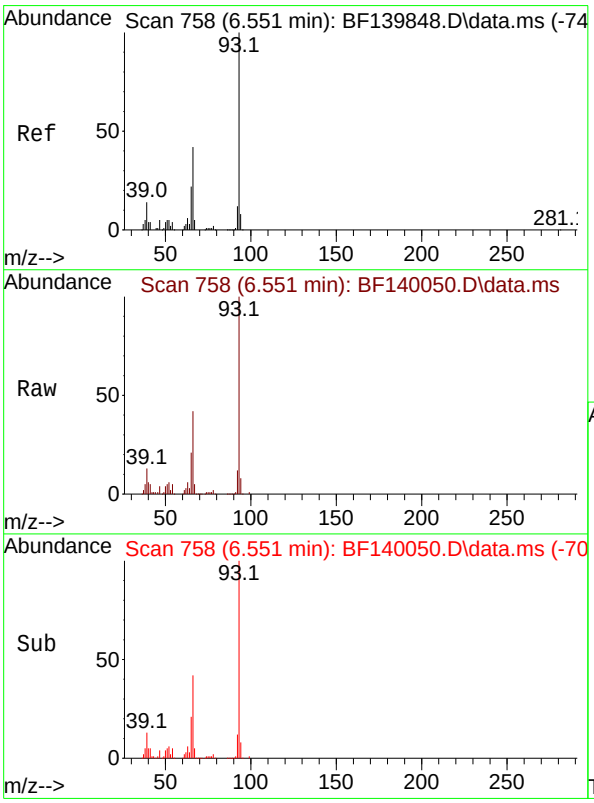
Ion	Ratio	Lower	Upper
112	100		
64	64.9	53.0	79.6
63	33.6	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

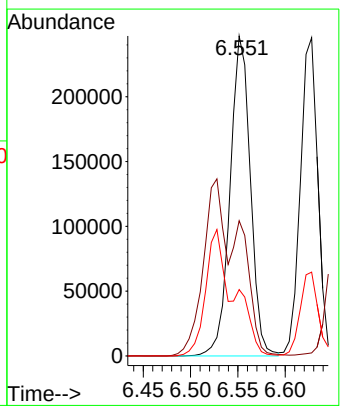
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

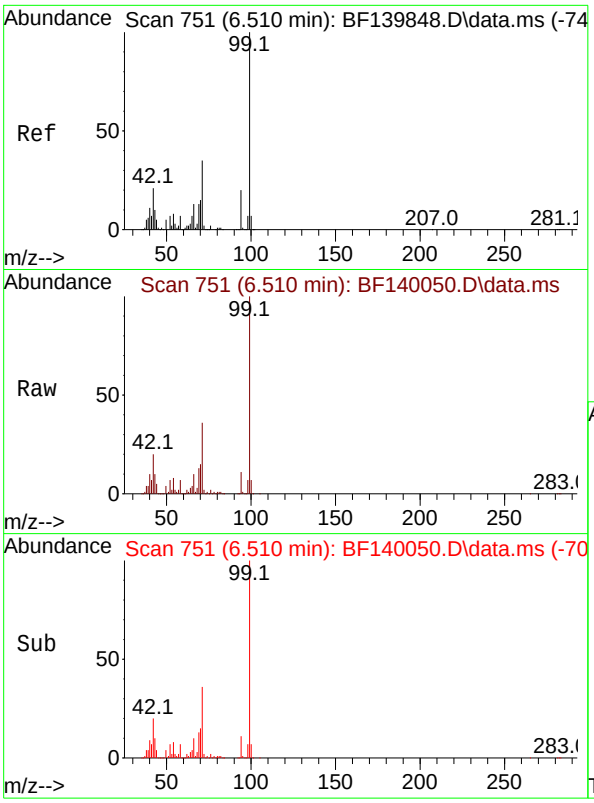


#6
Aniline
Concen: 37.144 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 93 Resp: 368957

Ion	Ratio	Lower	Upper
93	100		
66	42.2	34.0	51.0
65	20.7	17.4	26.0

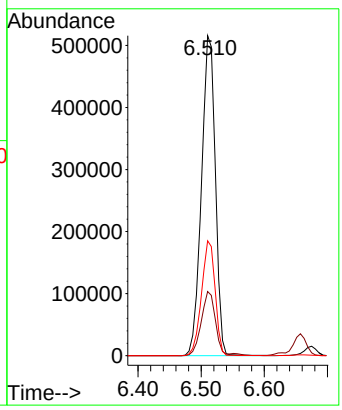




#7
Phenol-d6
Concen: 74.043 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 99 Resp: 78916

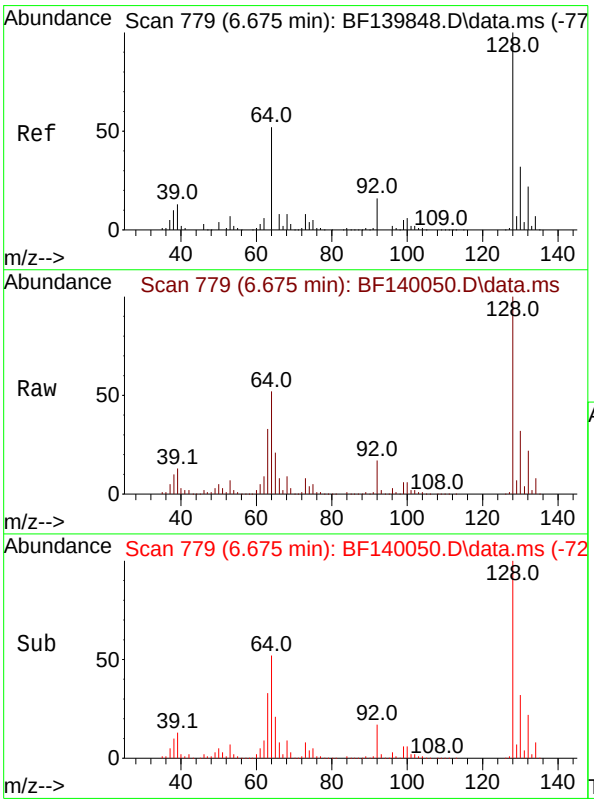
Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.7	25.1
71	35.9	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

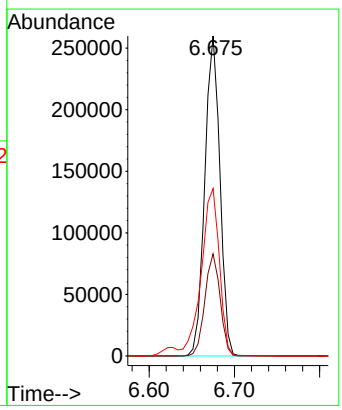
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

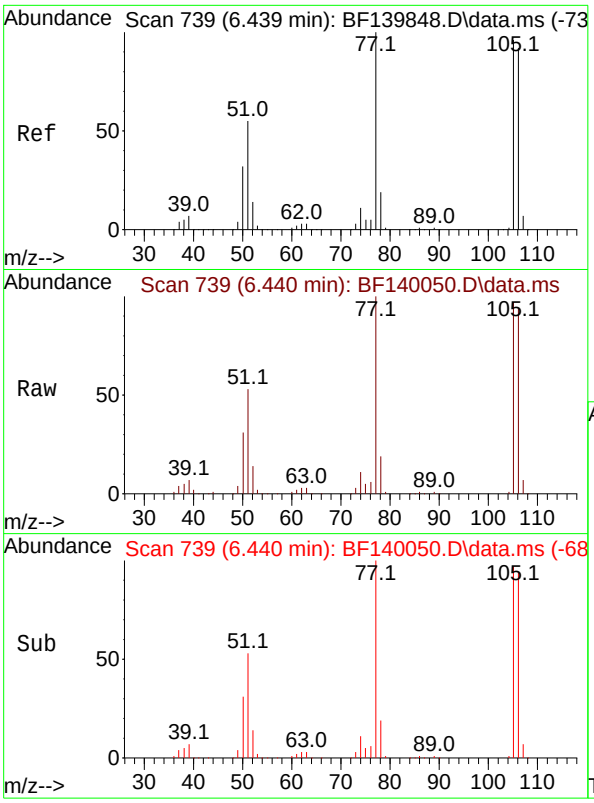


#8
2-Chlorophenol
Concen: 38.107 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:128 Resp: 320586

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.3	52.3
64	52.3	34.6	74.6





#9
Benzaldehyde
Concen: 39.089 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

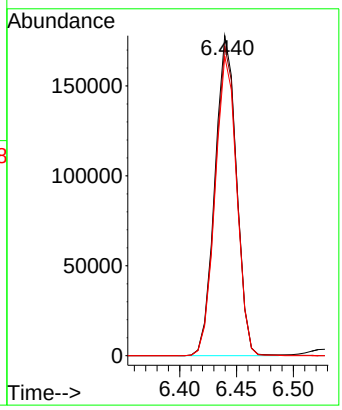
Tgt Ion: 77 Resp: 23437

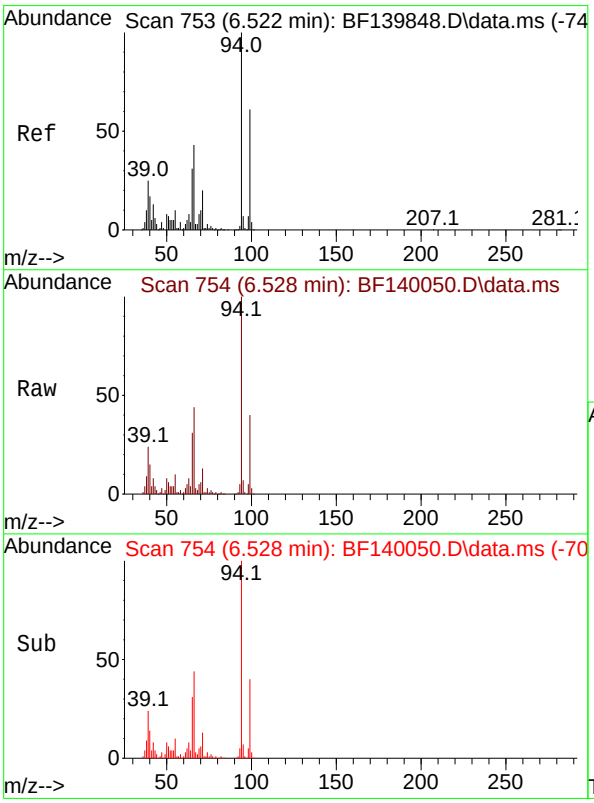
Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.5	115.5
106	93.6	71.7	111.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

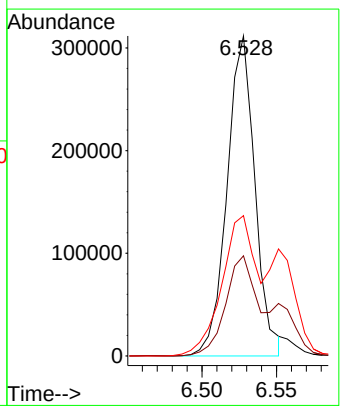


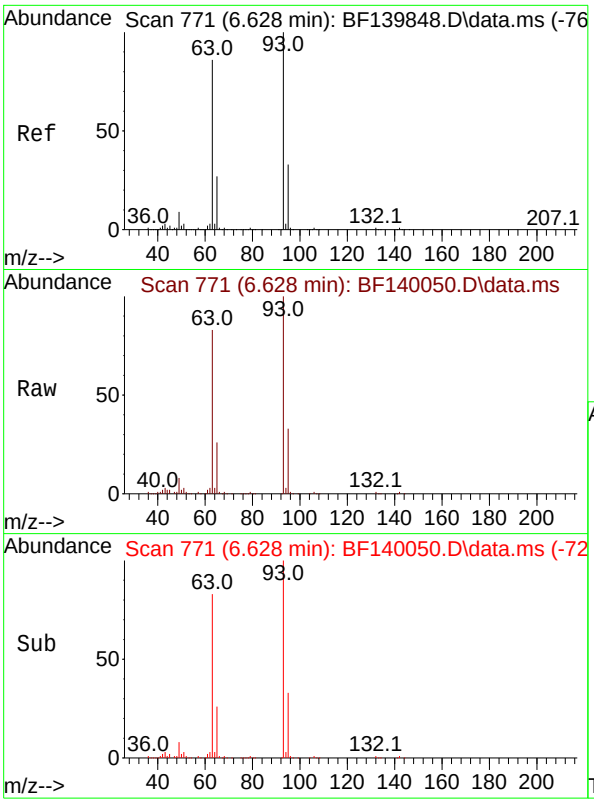


#10
Phenol
Concen: 37.053 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 94 Resp: 407135

Ion	Ratio	Lower	Upper
94	100		
65	31.3	11.1	51.1
66	43.8	22.7	62.7





#11
bis(2-Chloroethyl)ether
Concen: 37.093 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

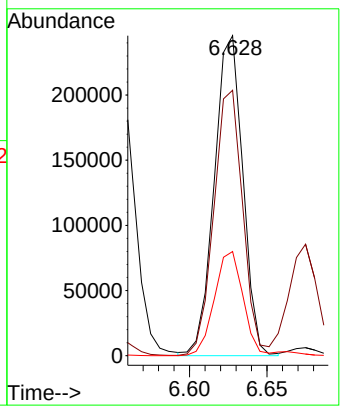
Tgt Ion: 93 Resp: 31503

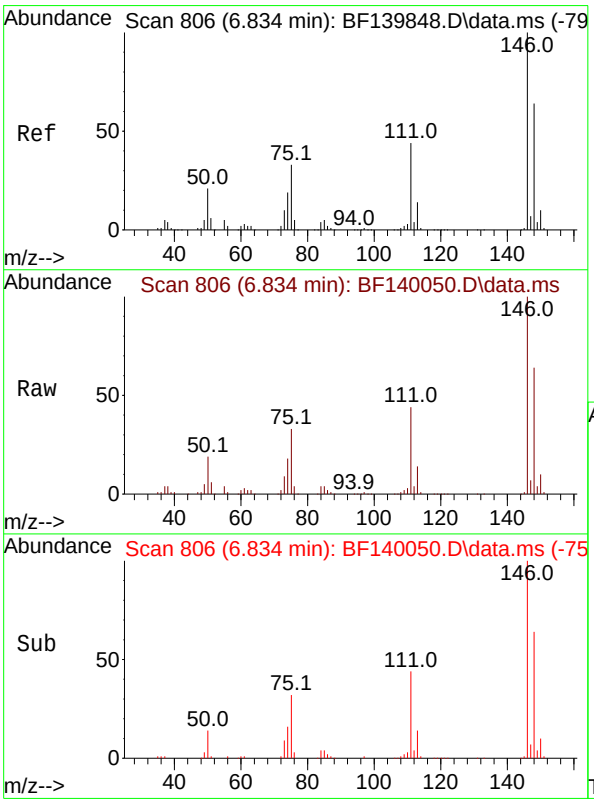
Ion	Ratio	Lower	Upper
93	100		
63	82.9	65.0	105.0
95	32.5	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

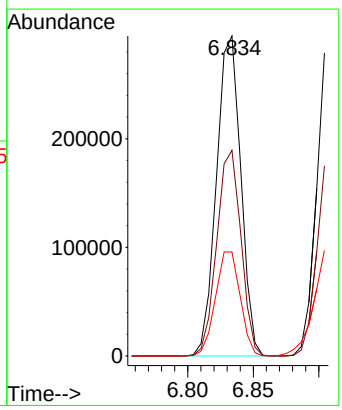


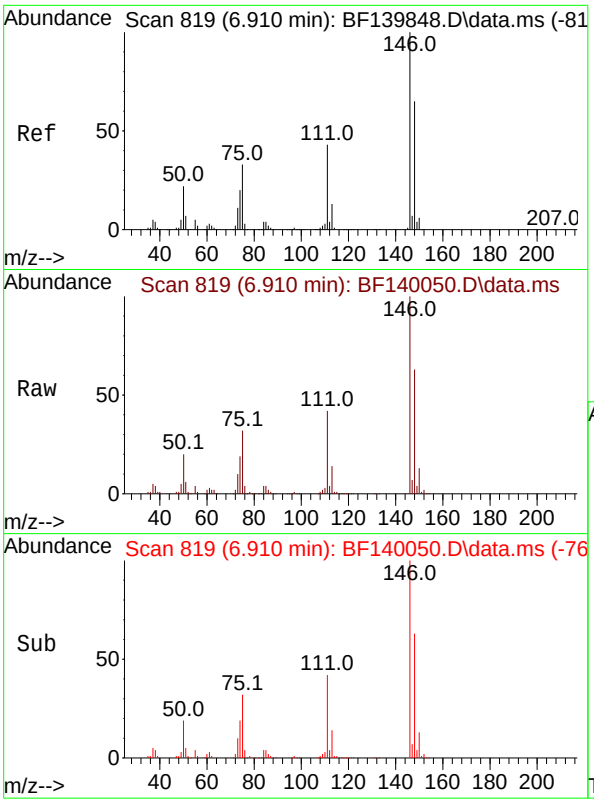


#12
1,3-Dichlorobenzene
Concen: 39.403 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:146 Resp: 380517

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
75	32.5	26.4	39.6





#13
1,4-Dichlorobenzene
Concen: 39.575 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

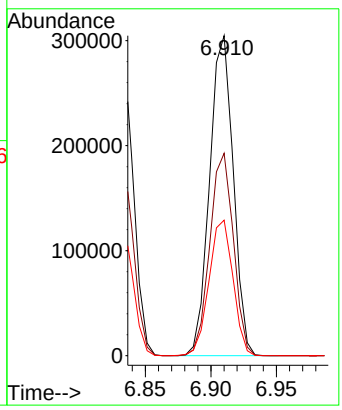
Tgt Ion:146 Resp: 38182

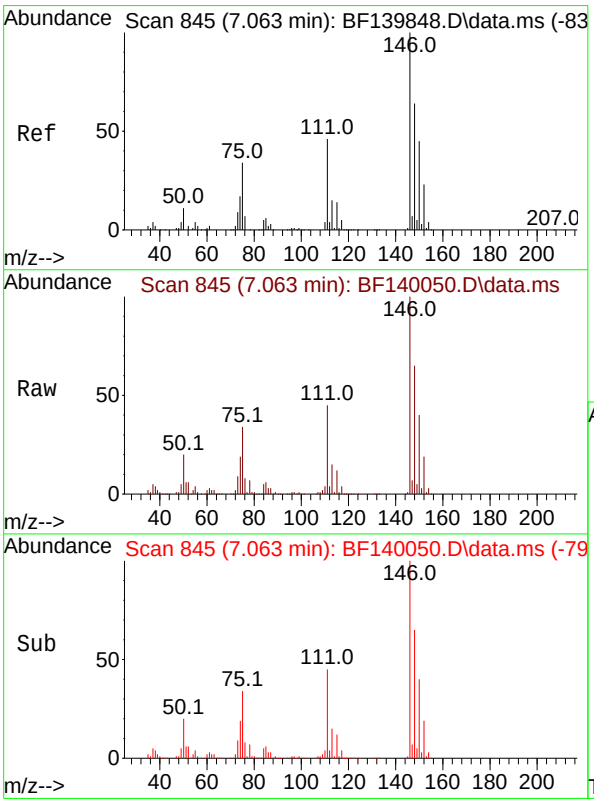
Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.8	77.8
111	42.4	34.6	51.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
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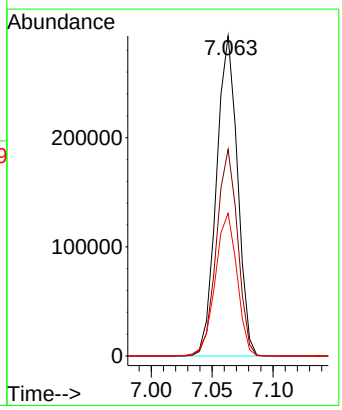


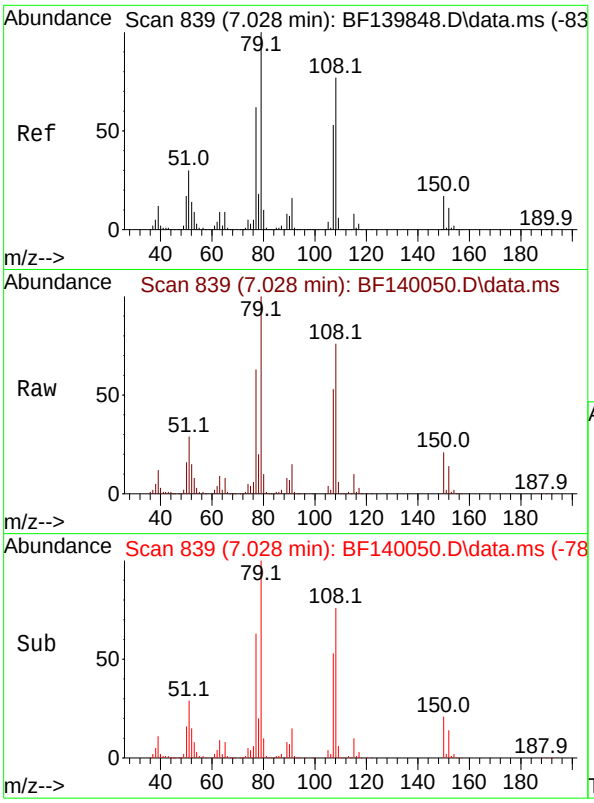


#14
1,2-Dichlorobenzene
Concen: 39.166 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:146 Resp: 352670

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	44.6	36.7	55.1





#15
Benzyl Alcohol
Concen: 37.193 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

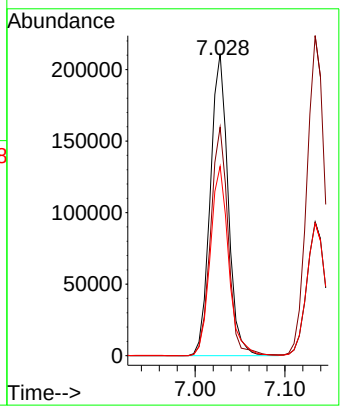
Tgt Ion: 79 Resp: 29077

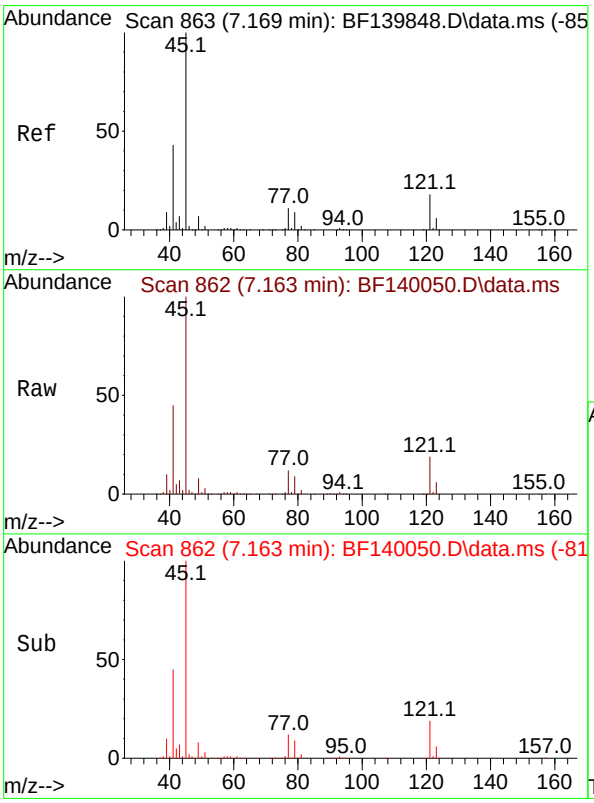
Ion	Ratio	Lower	Upper
79	100		
108	75.7	61.4	92.0
77	62.7	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 10/29/2024

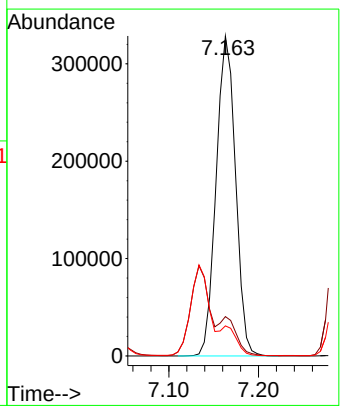


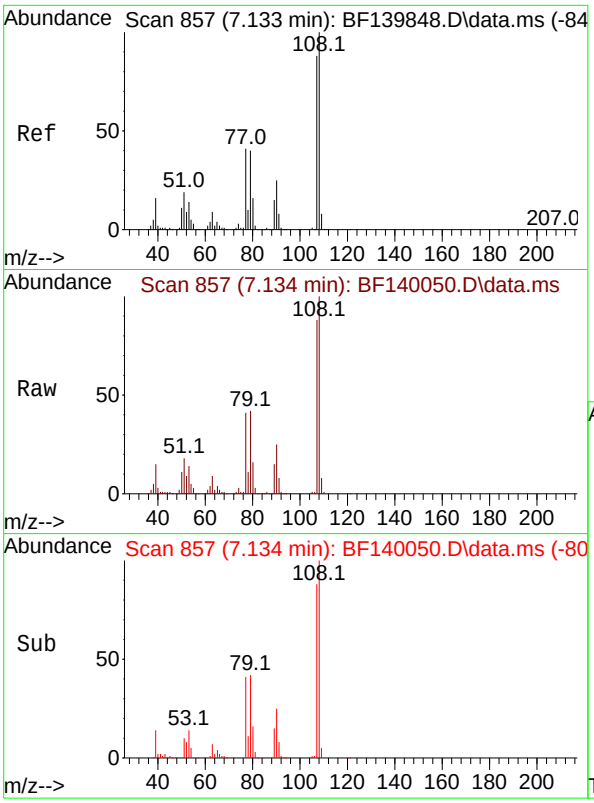


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.991 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 45 Resp: 492247

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.5
79	9.4	0.0	29.1

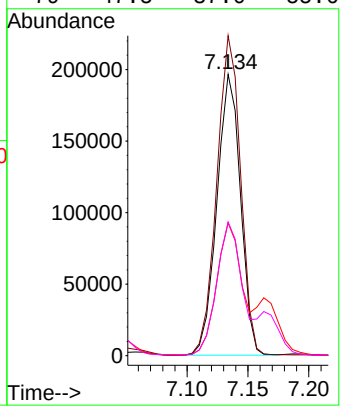




#17
2-Methylphenol
Concen: 36.976 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:107 Resp: 26525

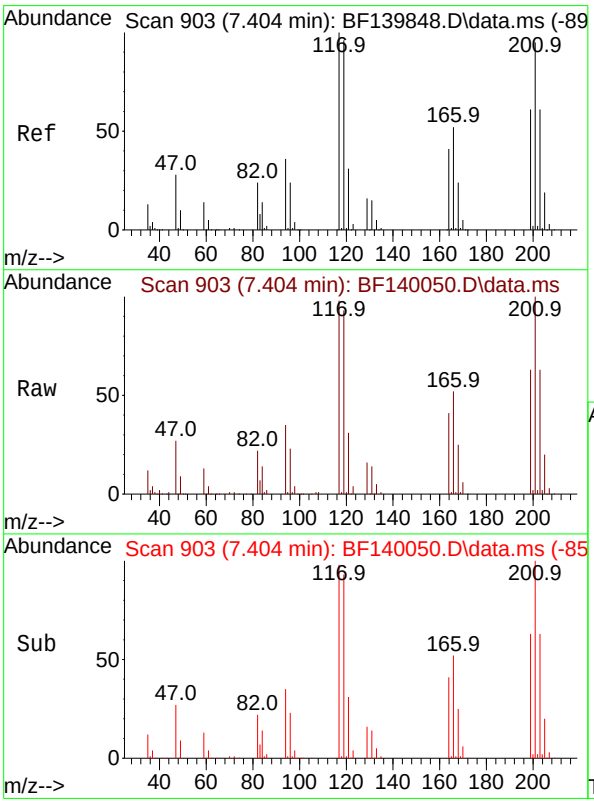
Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.3	136.9
77	47.2	37.1	55.7
79	47.5	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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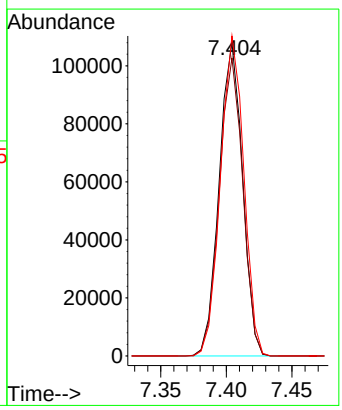
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

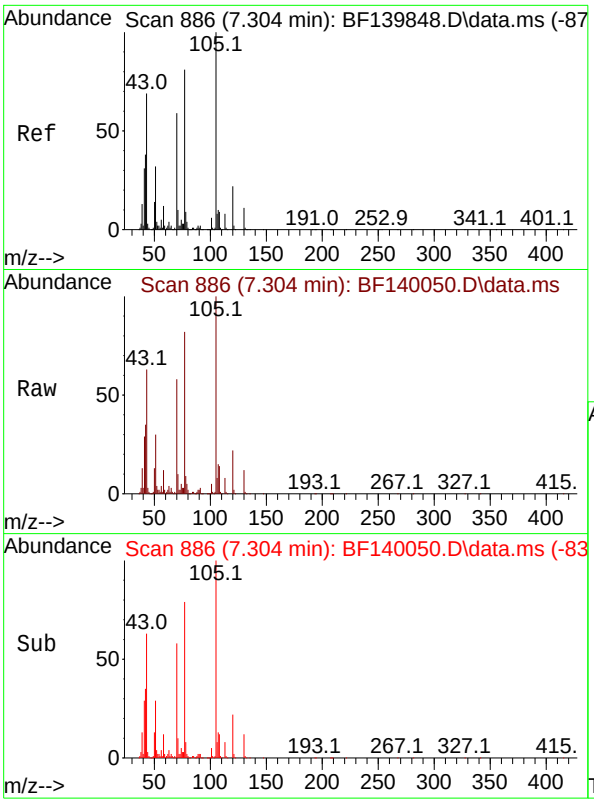


#18
Hexachloroethane
Concen: 38.915 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:117 Resp: 133886

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.4
201	102.1	76.2	114.4

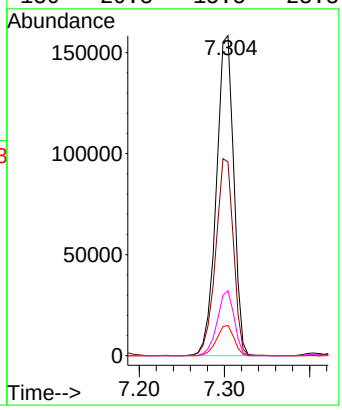




#19
n-Nitroso-di-n-propylamine
Concen: 34.813 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 70 Resp: 22503

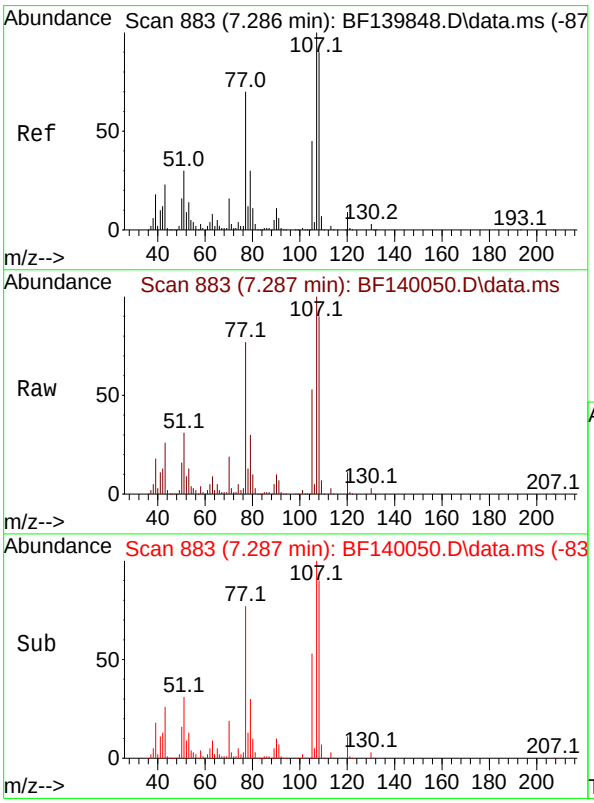
Ion	Ratio	Lower	Upper
70	100		
42	60.5	51.5	77.3
101	9.4	7.5	11.3
130	20.3	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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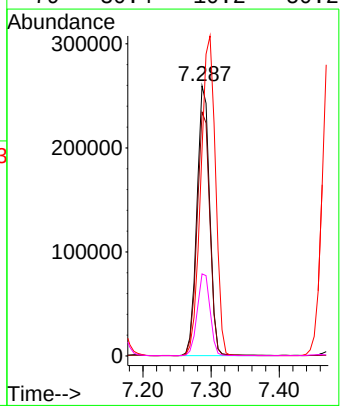
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

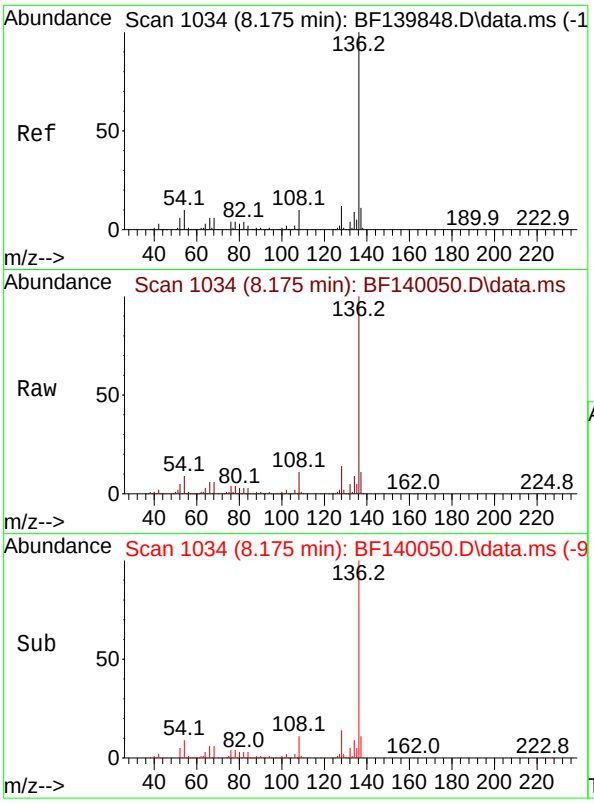


#20
3+4-Methylphenols
Concen: 36.741 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:107 Resp: 337114

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	76.6	50.5	90.5
79	30.4	10.2	50.2

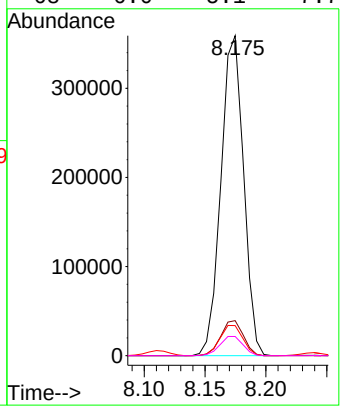




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:136 Resp: 46562

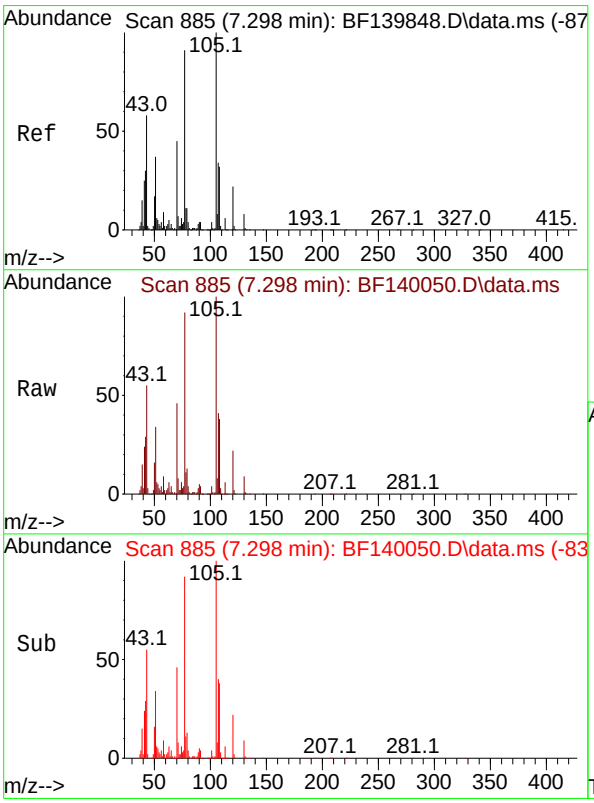
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.4	8.4	12.6
68	6.0	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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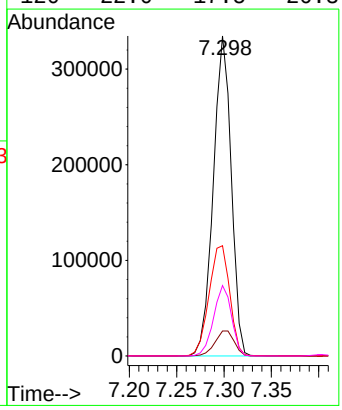
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

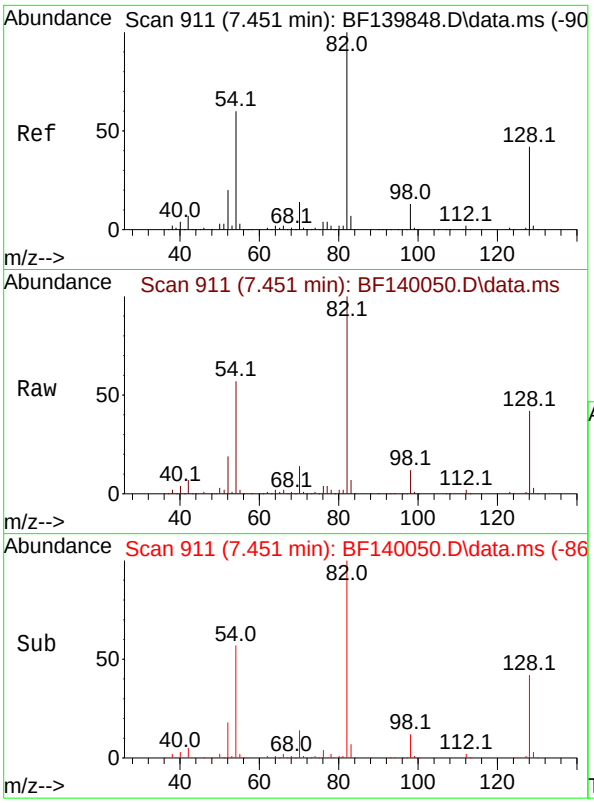


#22
Acetophenone
Concen: 38.819 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:105 Resp: 442717

Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.9	8.9
51	34.5	29.4	44.2
120	22.0	17.5	26.3





#23
Nitrobenzene-d5
Concen: 84.348 ng
RT: 7.451 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

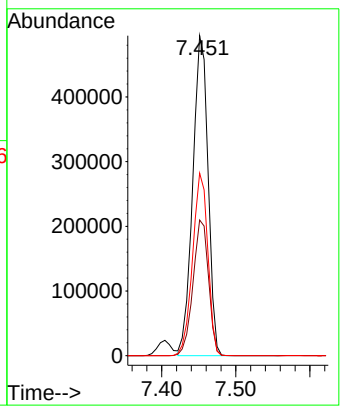
Tgt Ion: 82 Resp: 70861

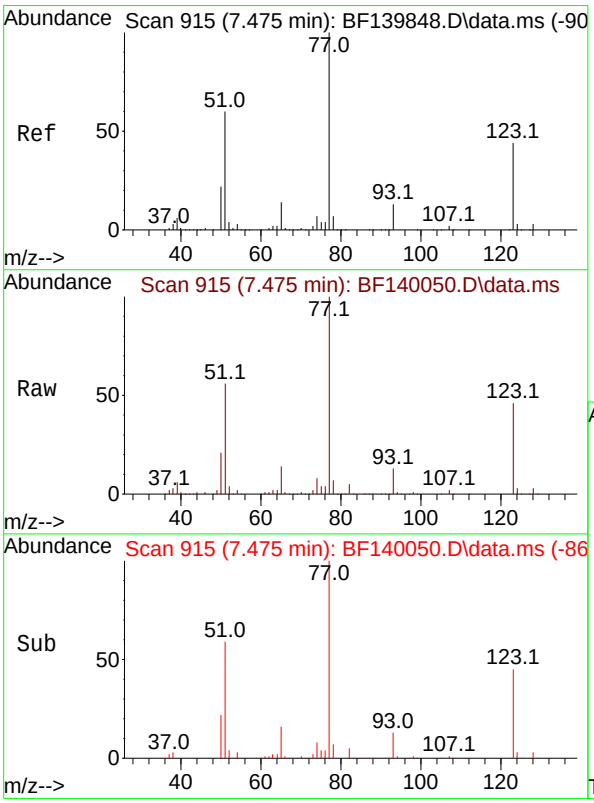
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	57.1	47.8	71.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

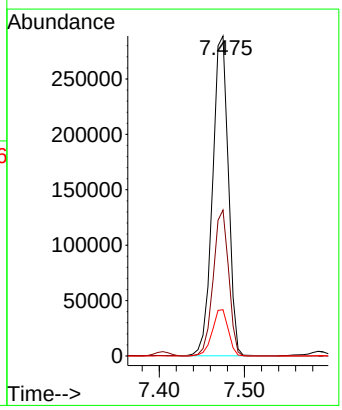


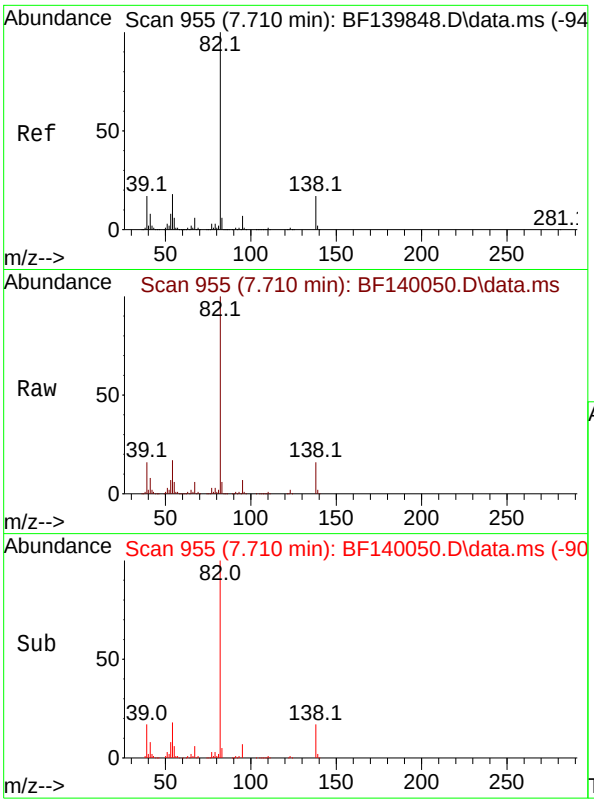


#24
Nitrobenzene
Concen: 40.387 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 77 Resp: 371997

Ion	Ratio	Lower	Upper
77	100		
123	45.6	35.7	53.5
65	14.5	11.5	17.3





#25
Isophorone
Concen: 37.663 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

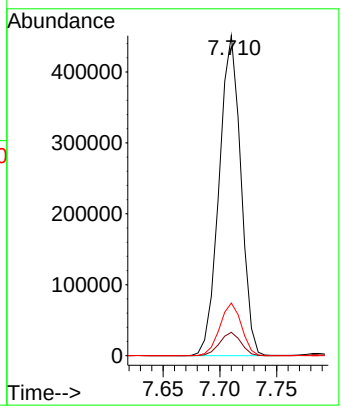
Tgt Ion: 82 Resp: 60054

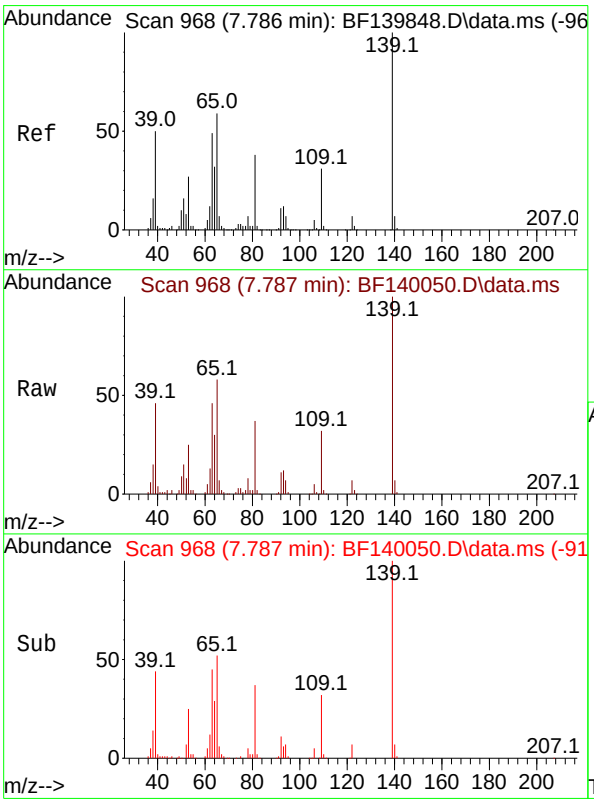
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	16.5	13.2	19.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 10/29/2024

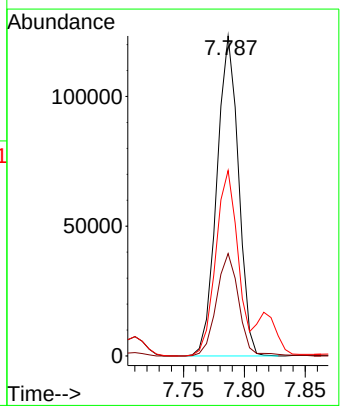


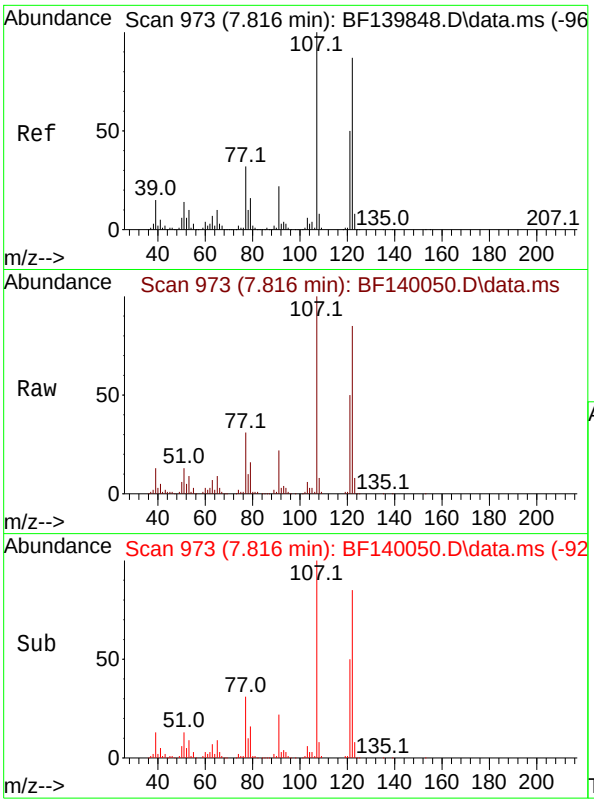


#26
2-Nitrophenol
Concen: 44.001 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:139 Resp: 152898

Ion	Ratio	Lower	Upper
139	100		
109	32.0	25.1	37.7
65	57.9	47.5	71.3

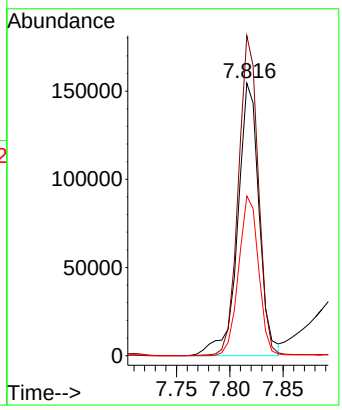




#27
2,4-Dimethylphenol
Concen: 37.214 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:122 Resp: 21562

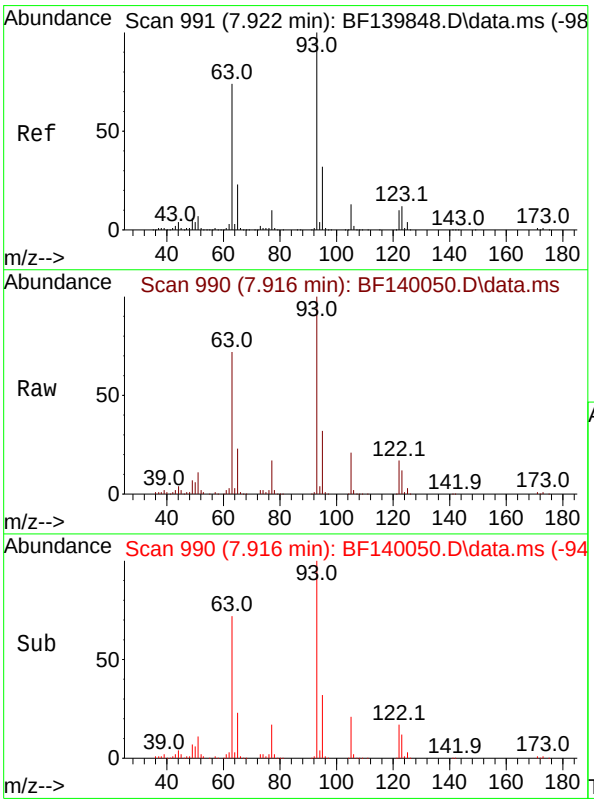
Ion	Ratio	Lower	Upper
122	100		
107	117.4	91.9	137.9
121	58.6	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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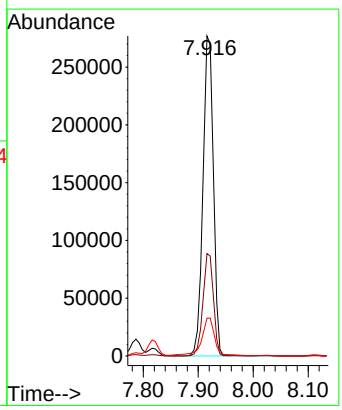
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

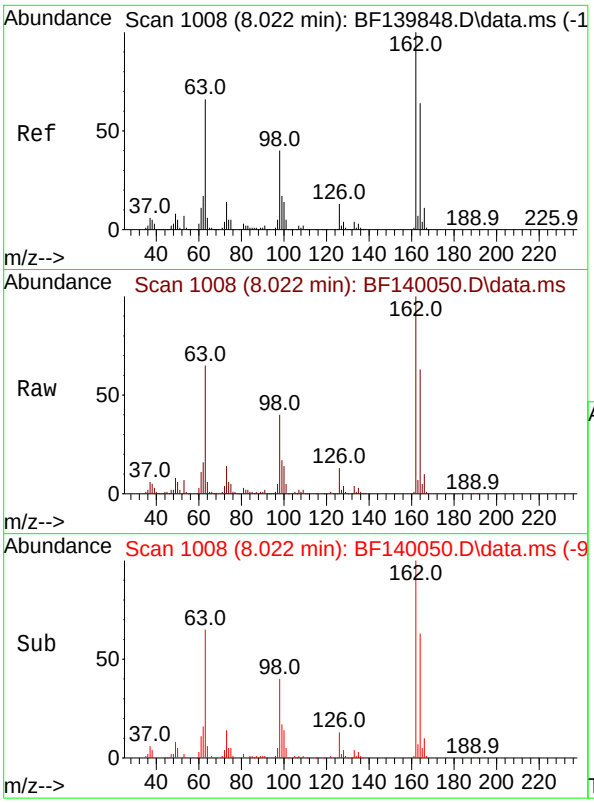


#28
bis(2-Chloroethoxy)methane
Concen: 37.905 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 93 Resp: 366191

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.0	39.0
123	11.8	9.8	14.8





#29
2,4-Dichlorophenol
Concen: 39.370 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

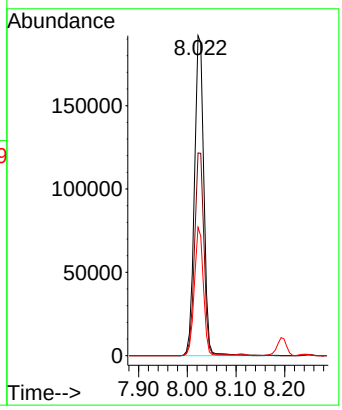
Tgt Ion:162 Resp: 25983

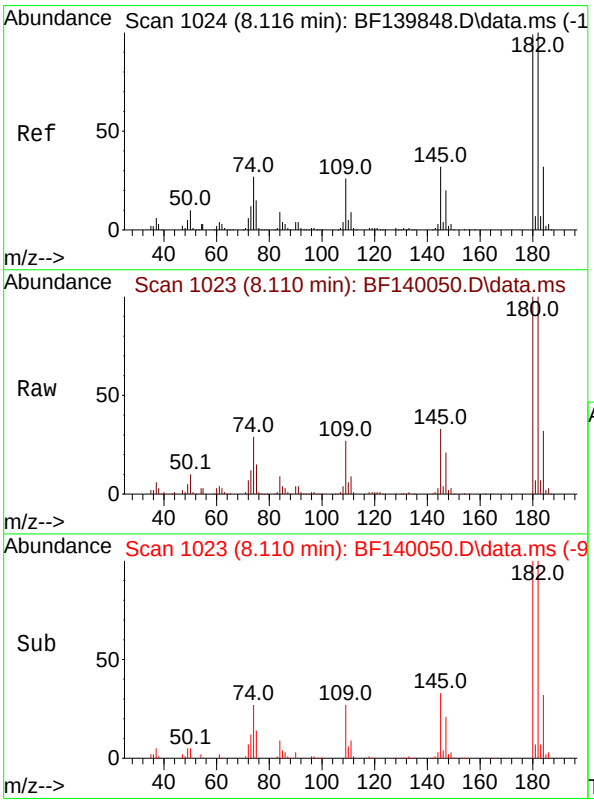
Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.9	83.9
98	40.1	19.9	59.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

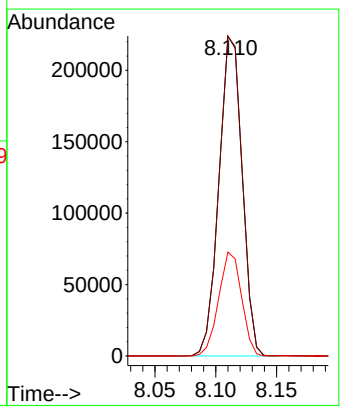


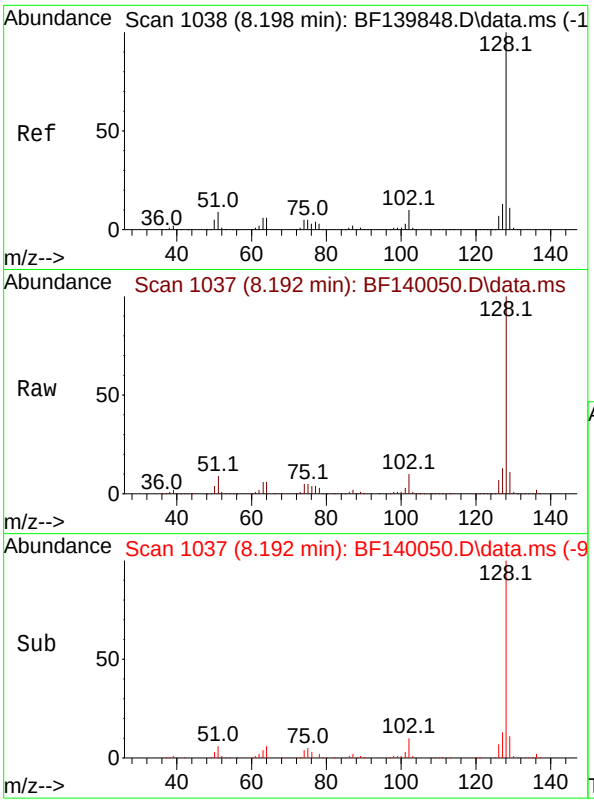


#30
1,2,4-Trichlorobenzene
Concen: 40.725 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:180 Resp: 297397

Ion	Ratio	Lower	Upper
180	100		
182	99.8	80.5	120.7
145	32.5	25.4	38.0





#31
Naphthalene
Concen: 39.859 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

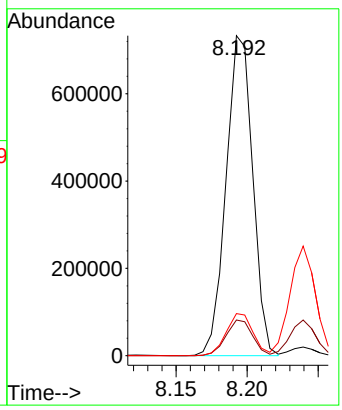
Tgt Ion:128 Resp: 95717

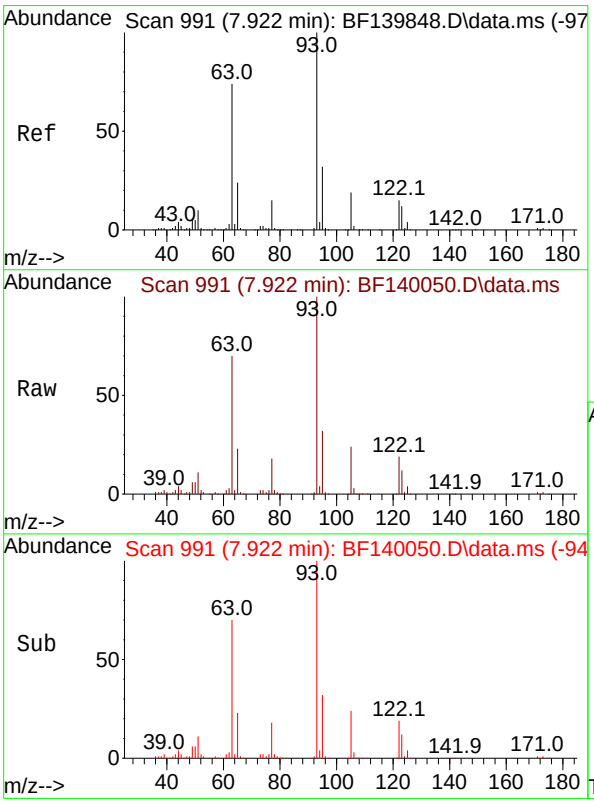
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 10/29/2024

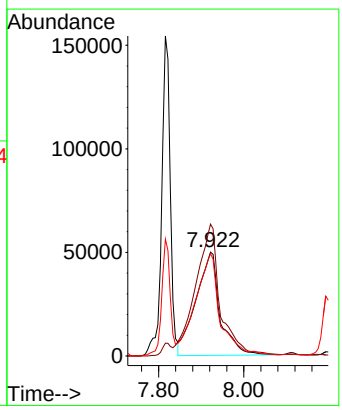


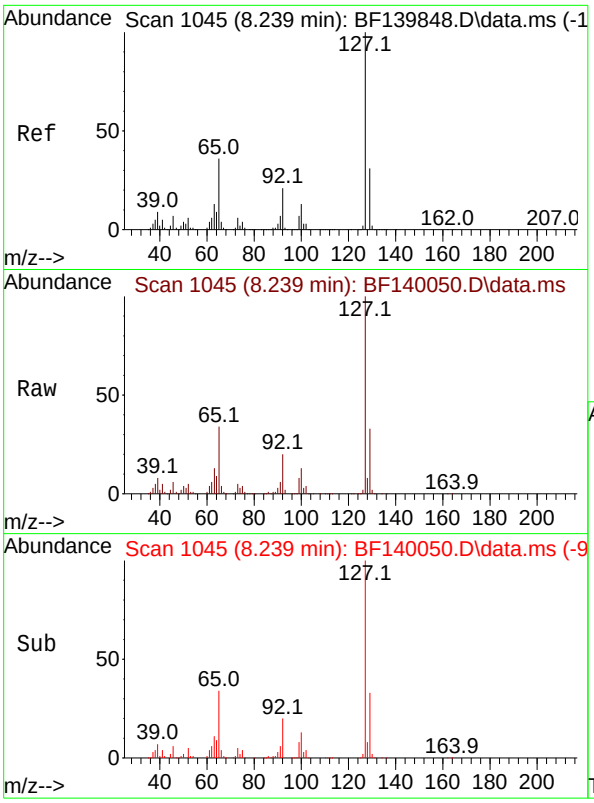


#32
Benzoic acid
Concen: 38.864 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:122 Resp: 196406

Ion	Ratio	Lower	Upper
122	100		
105	127.0	107.6	147.6
77	98.5	80.2	120.2

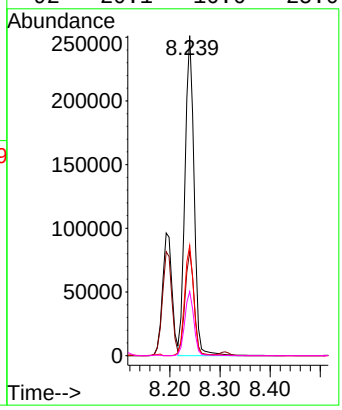




#33
4-Chloroaniline
Concen: 39.027 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:127 Resp: 31957

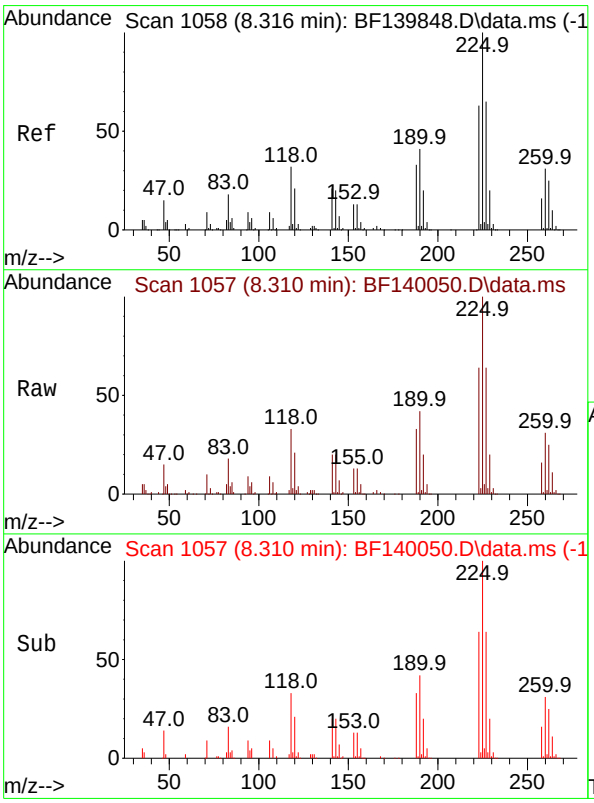
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	34.5	28.4	42.6
92	20.1	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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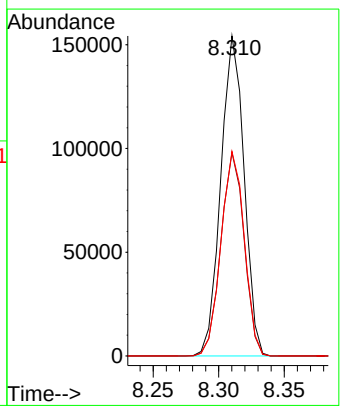
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

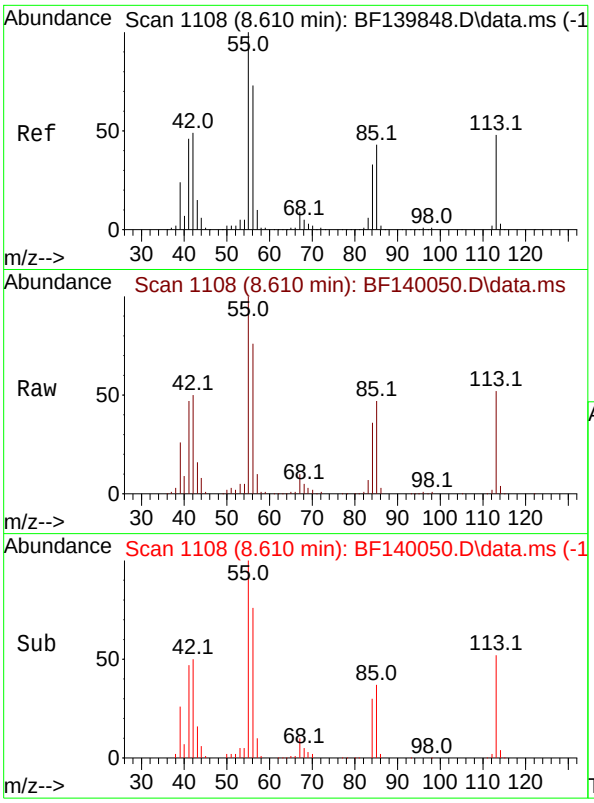


#34
Hexachlorobutadiene
Concen: 41.486 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:225 Resp: 190352

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.6	76.0
227	63.9	51.8	77.8





#35
Caprolactam
Concen: 39.090 ng
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

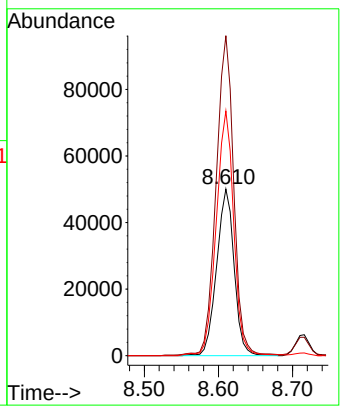
Tgt Ion:113 Resp: 8202

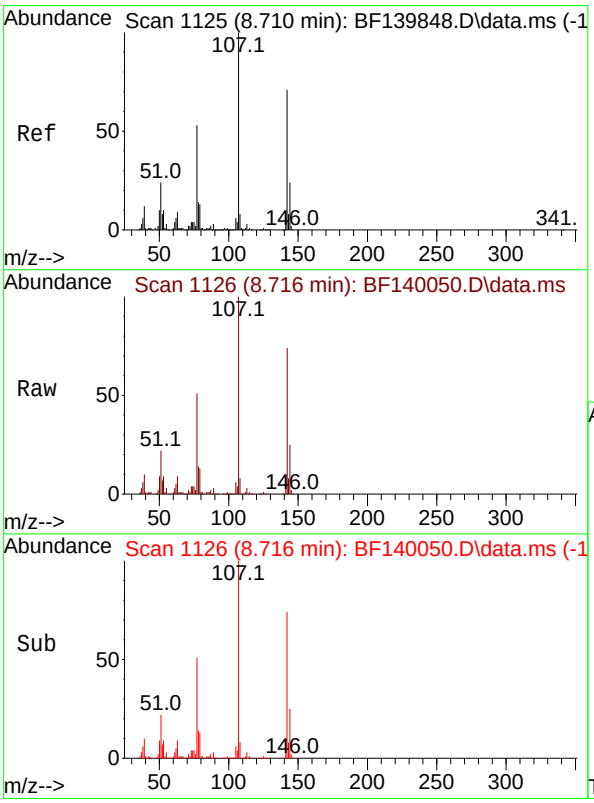
Ion	Ratio	Lower	Upper
113	100		
55	192.1	189.2	229.2
56	146.8	132.5	172.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

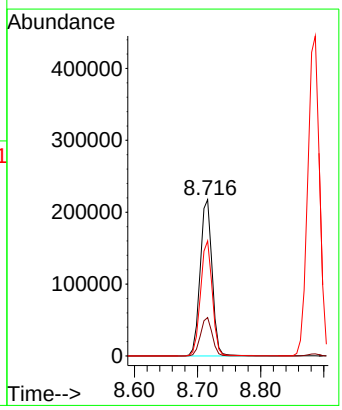


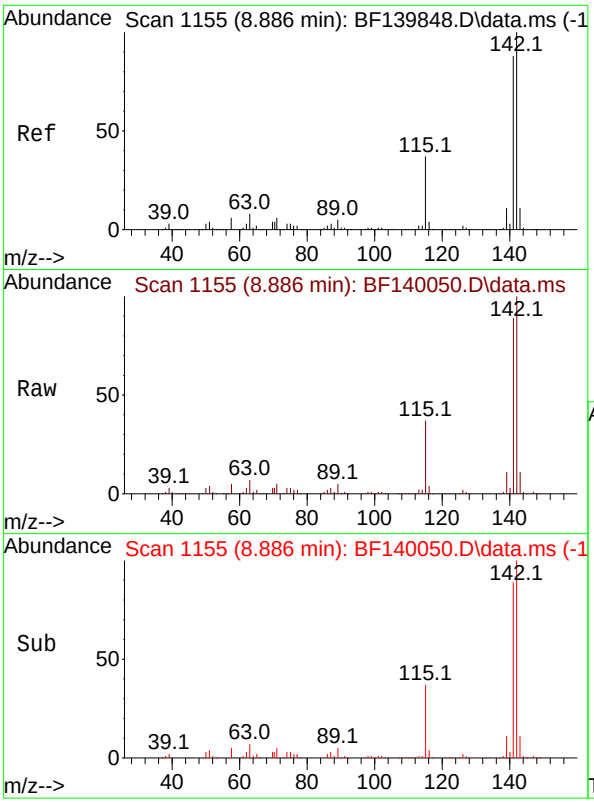


#36
4-Chloro-3-methylphenol
Concen: 39.183 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:107 Resp: 286338

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.1	28.7
142	73.6	57.2	85.8





#37
2-Methylnaphthalene
Concen: 39.160 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

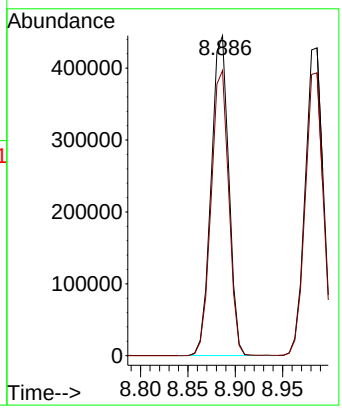
Tgt Ion:142 Resp: 57592

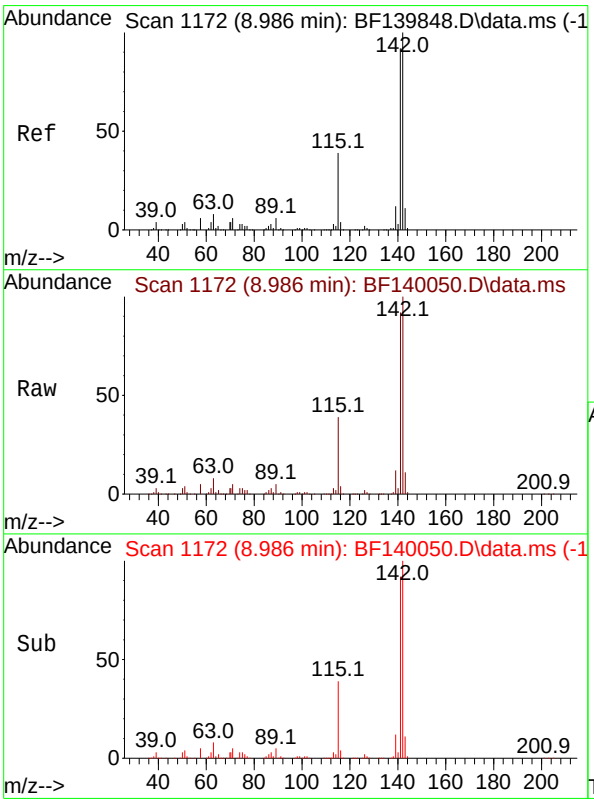
Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 10/29/2024

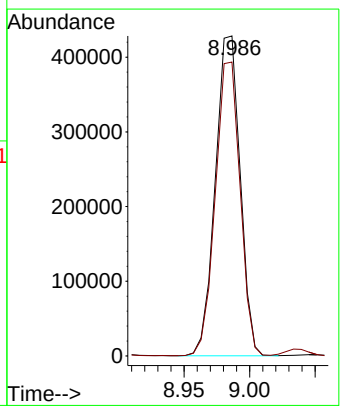


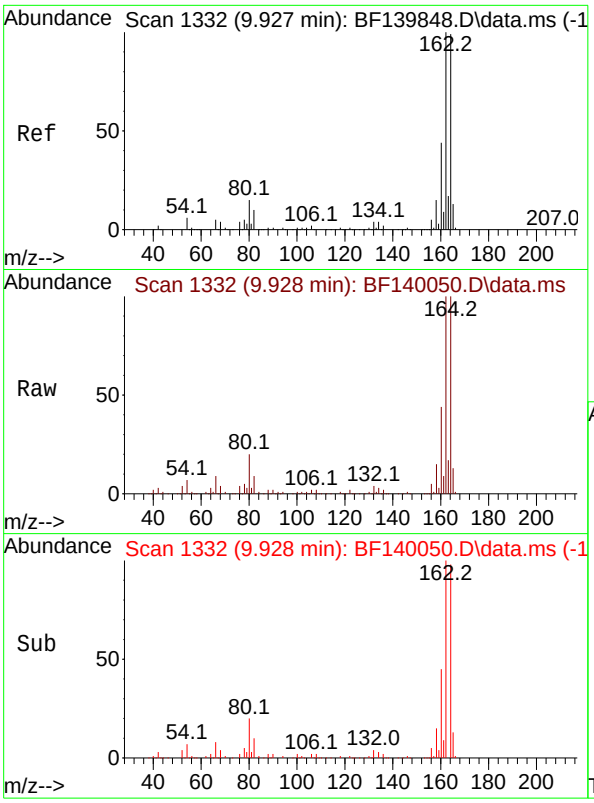


#38
1-Methylnaphthalene
Concen: 39.059 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:142 Resp: 563589

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3

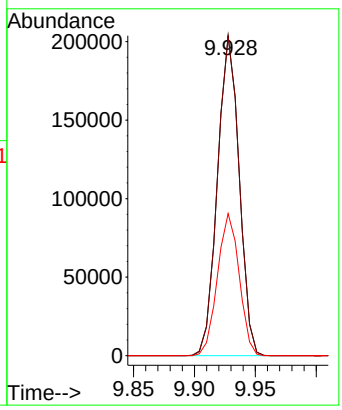




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:164 Resp: 25252

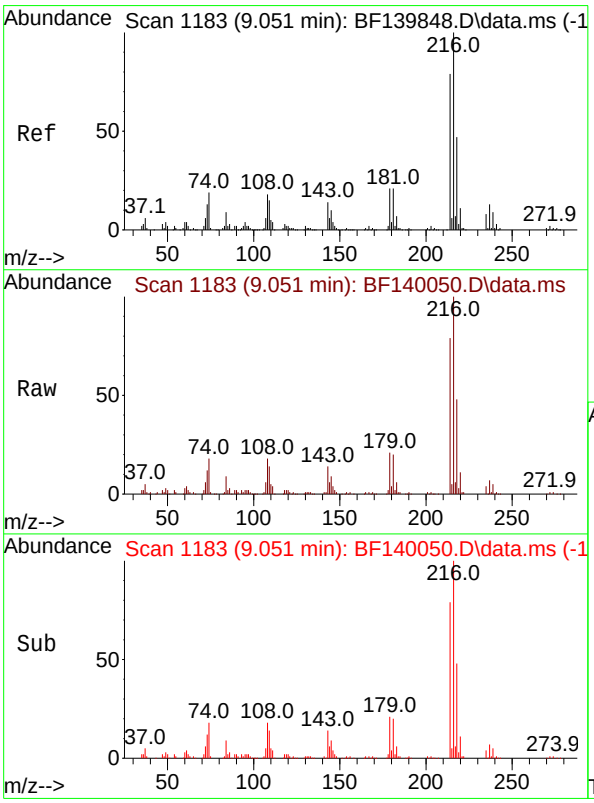
Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.4
160	44.4	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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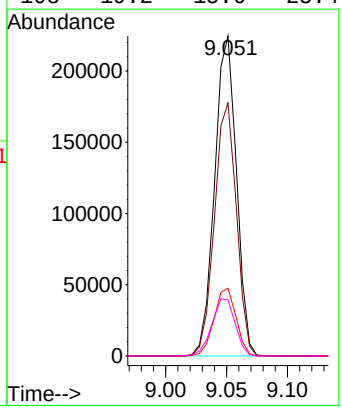
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

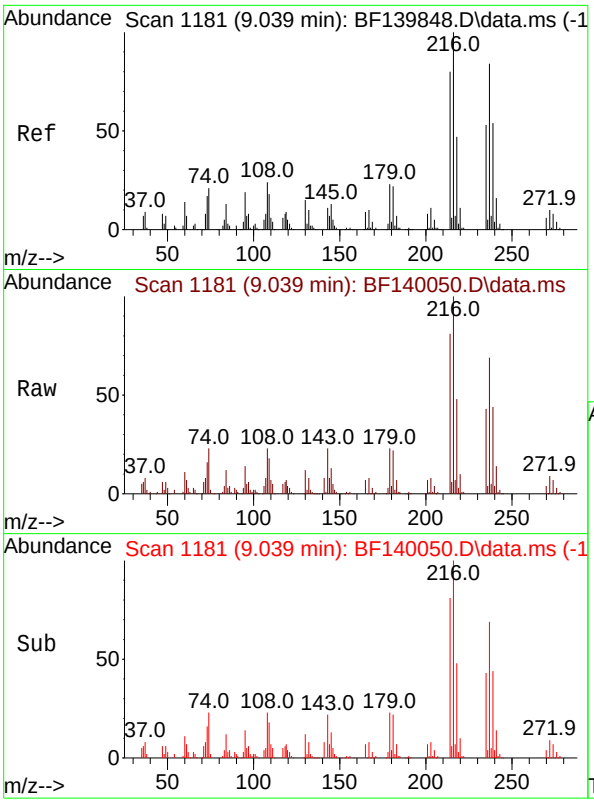


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.156 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:216 Resp: 280380

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.4	95.0
179	21.3	17.2	25.8
108	19.2	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 40.599 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

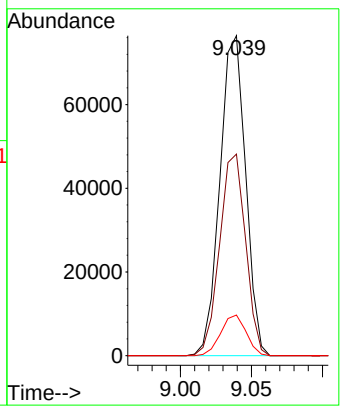
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

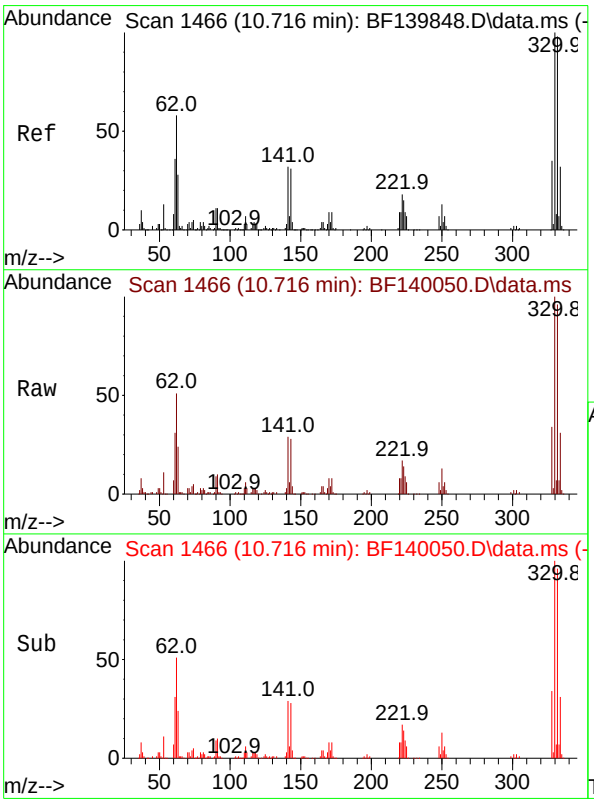
Tgt Ion:237 Resp: 9624

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	12.7	0.0	32.3

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Supervised By :mohammad ahmed 10/29/2024

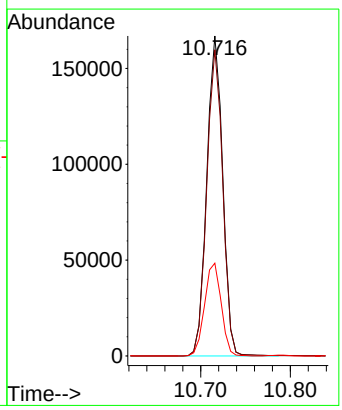


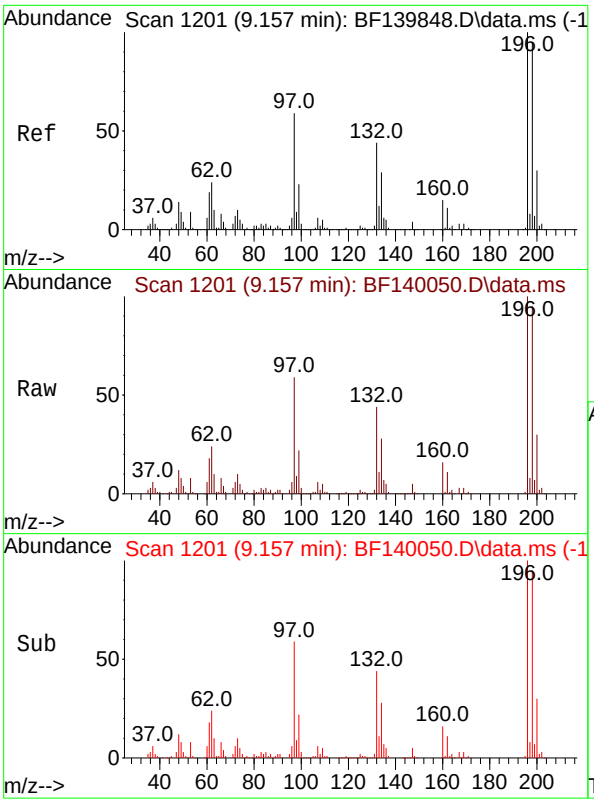


#42
2,4,6-Tribromophenol
Concen: 87.205 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:330 Resp: 205981

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.1	117.1
141	30.3	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 39.204 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

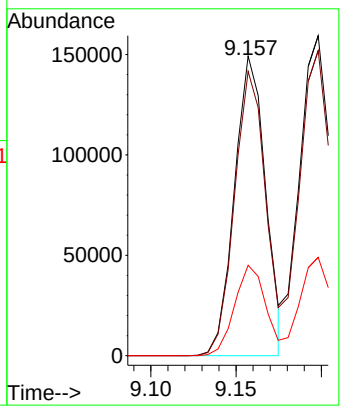
Tgt Ion:196 Resp: 18909

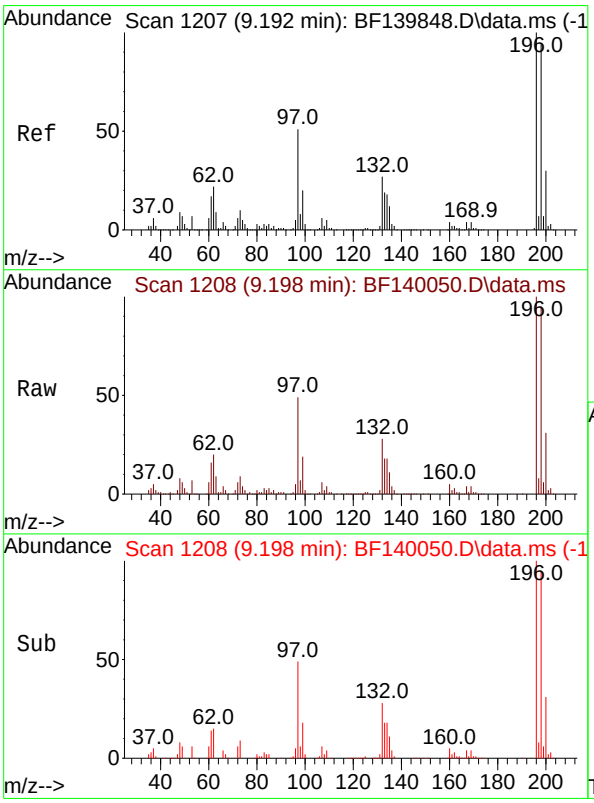
Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.2	114.2
200	30.2	24.0	36.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

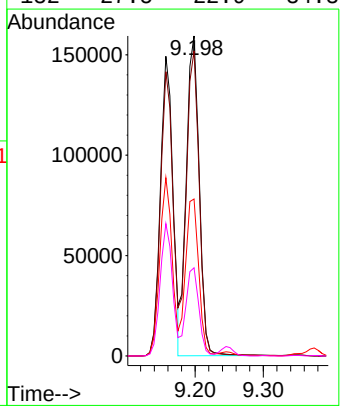


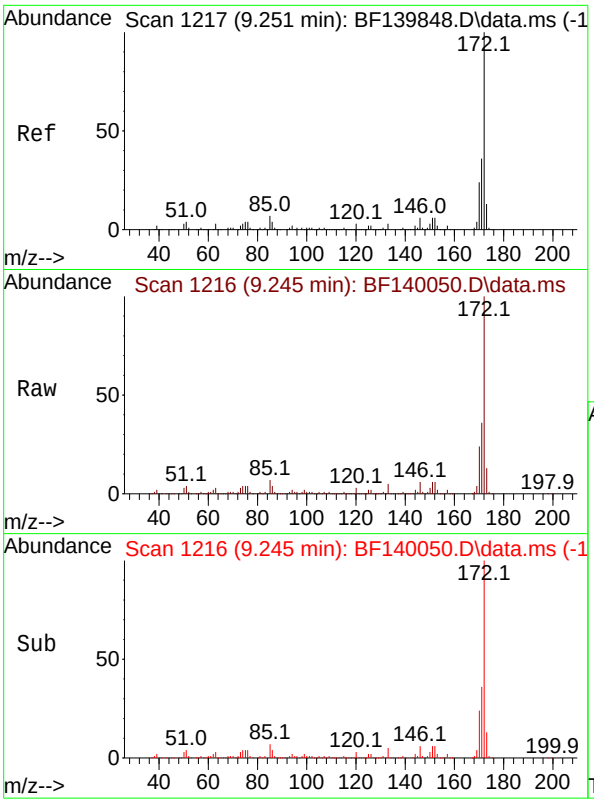


#44
2,4,5-Trichlorophenol
Concen: 42.019 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:196 Resp: 209100

Ion	Ratio	Lower	Upper
196	100		
198	95.3	75.8	113.6
97	49.0	41.8	62.6
132	27.5	22.9	34.3

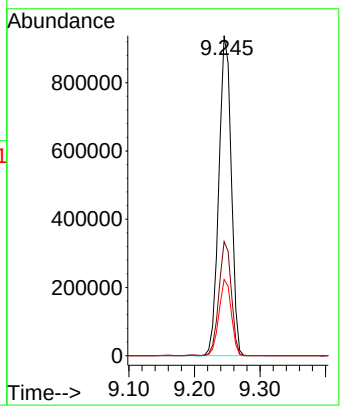




#45
2-Fluorobiphenyl
Concen: 80.059 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:172 Resp: 122325

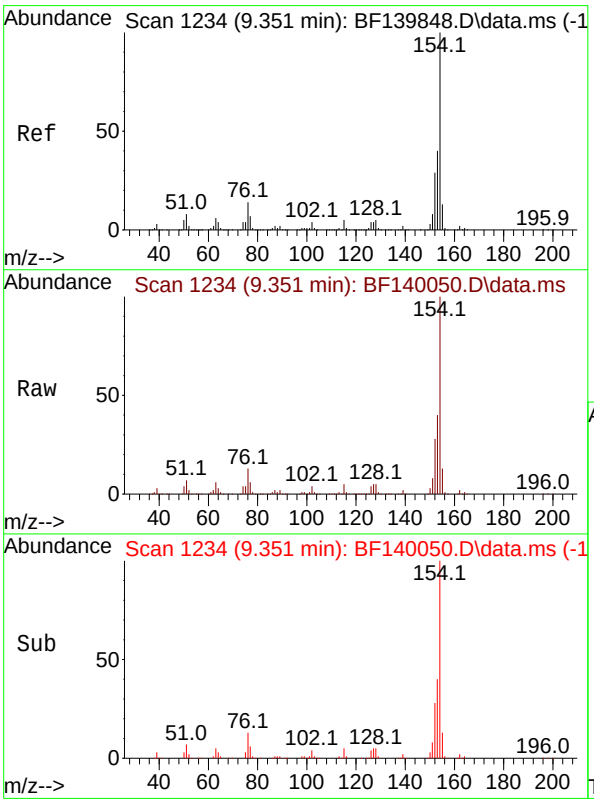
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.8	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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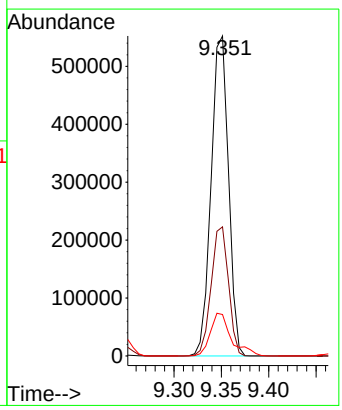
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

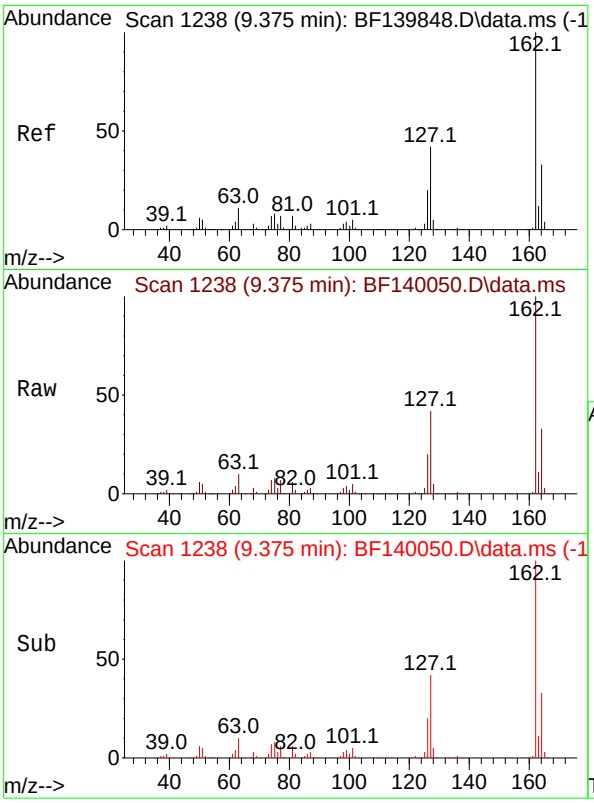


#46
1,1'-Biphenyl
Concen: 39.976 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:154 Resp: 702753

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	12.9	0.0	33.9

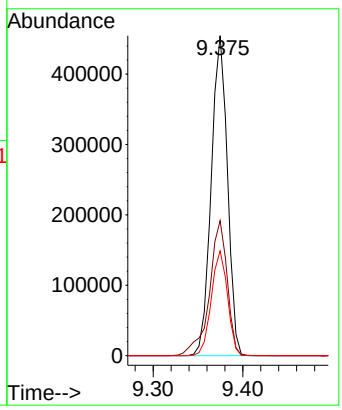




#47
2-Chloronaphthalene
Concen: 40.256 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:162 Resp: 56996

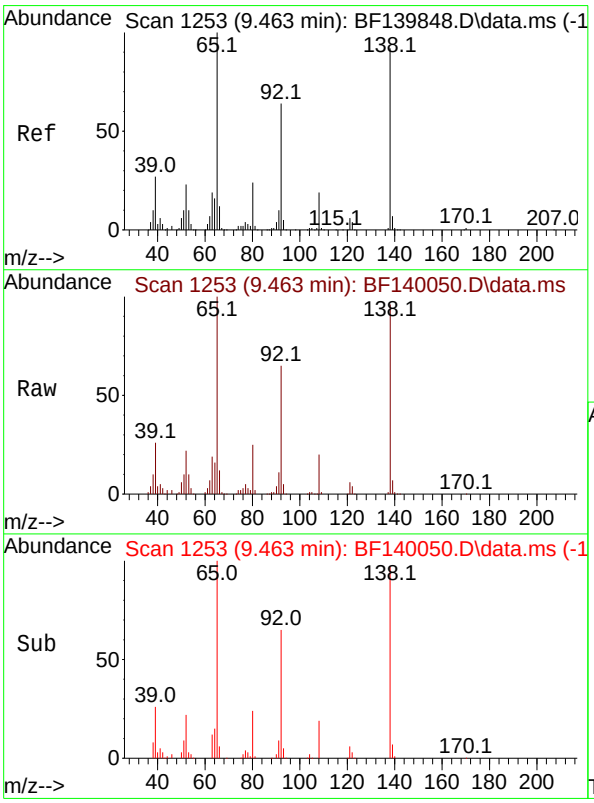
Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.7	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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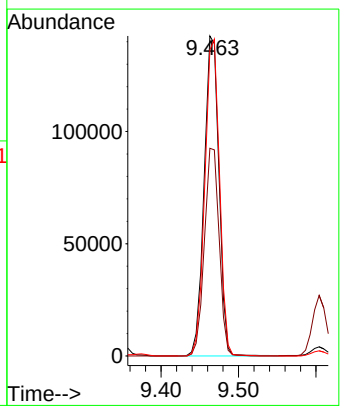
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

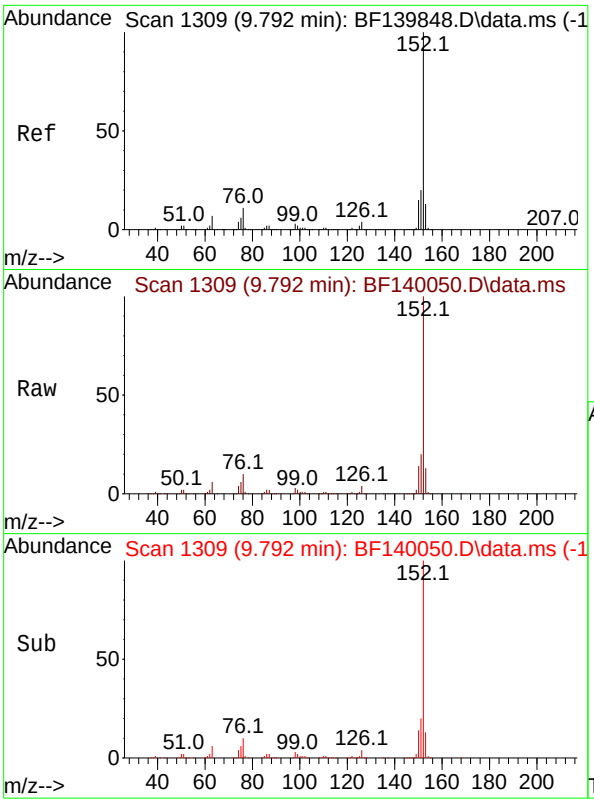


#48
2-Nitroaniline
Concen: 43.726 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion: 65 Resp: 189346

Ion	Ratio	Lower	Upper
65	100		
92	64.9	50.9	76.3
138	95.6	73.4	110.0





#49
Acenaphthylene
Concen: 40.178 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

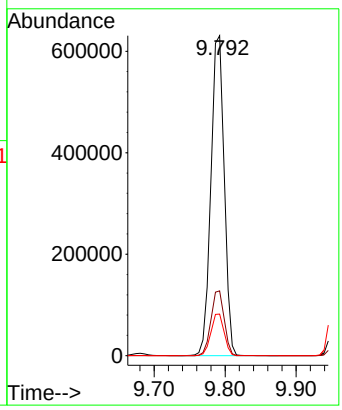
Tgt Ion:152 Resp: 82240

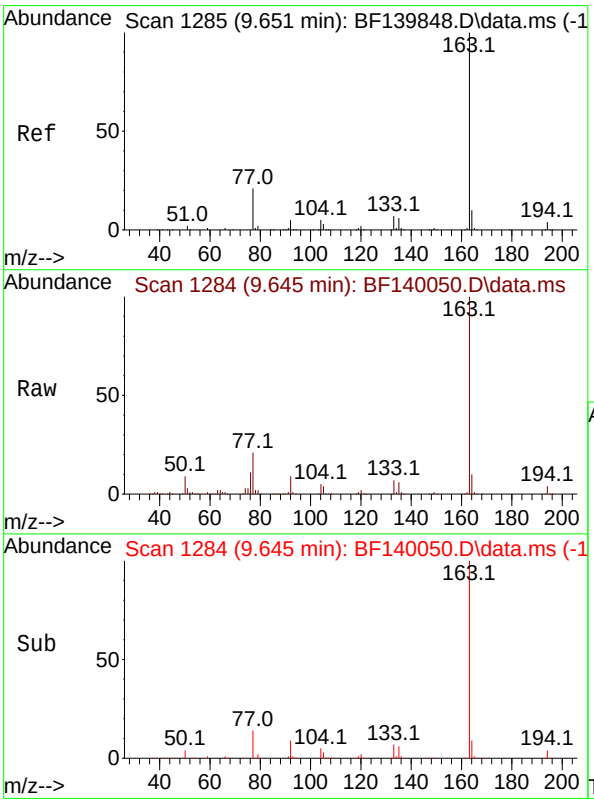
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.0	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

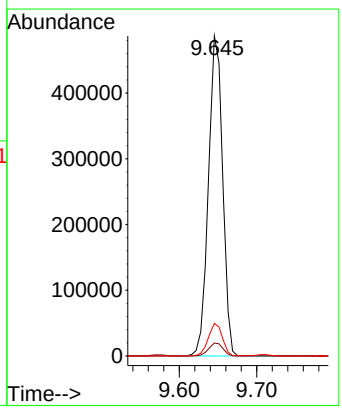


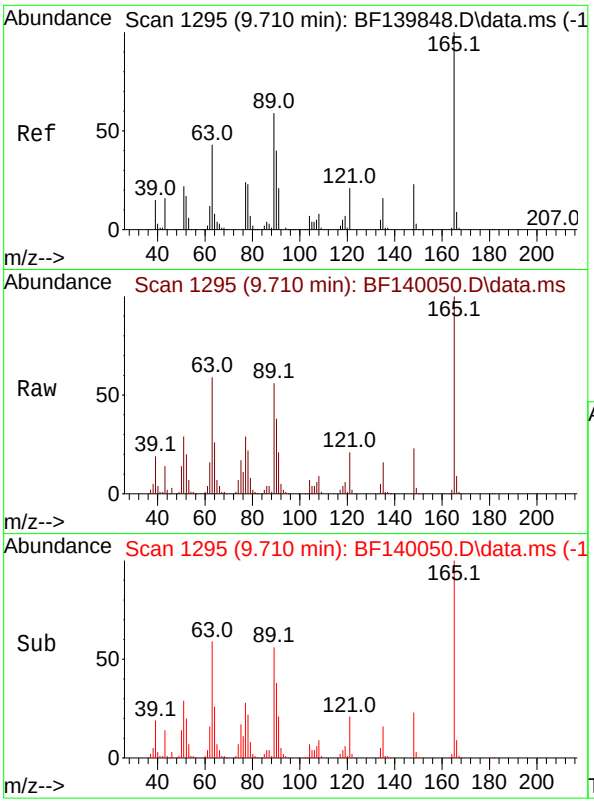


#50
Dimethylphthalate
Concen: 39.467 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:163 Resp: 620788

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 43.043 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

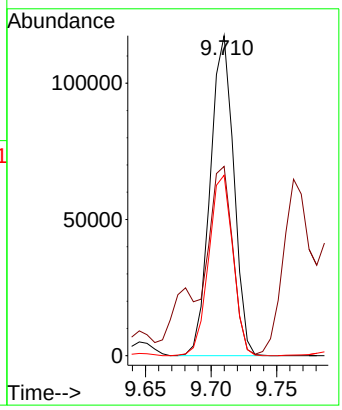
Tgt Ion:165 Resp: 14659

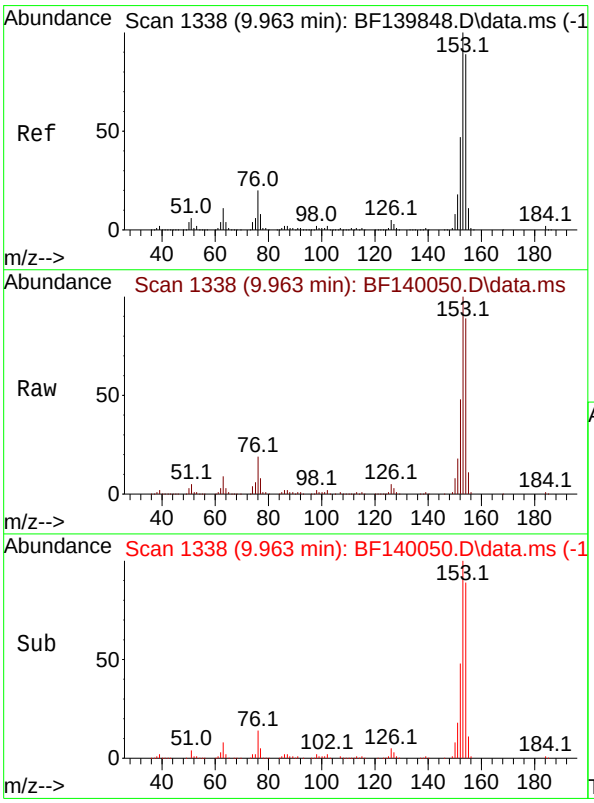
Ion	Ratio	Lower	Upper
165	100		
63	59.2	50.6	75.8
89	56.4	47.5	71.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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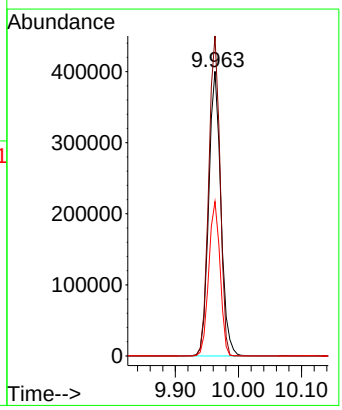


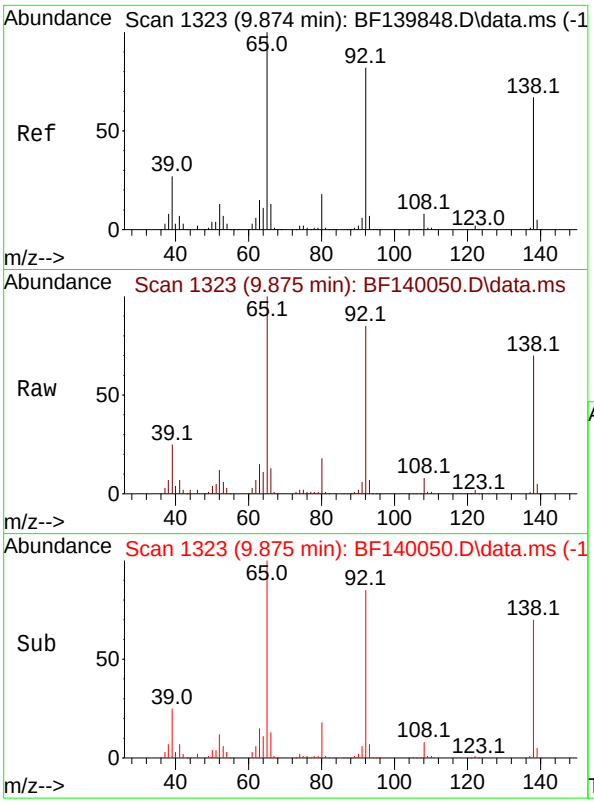


#52
Acenaphthene
Concen: 40.337 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:154 Resp: 534118

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.8	134.6
152	54.2	42.4	63.6





#53
3-Nitroaniline
Concen: 42.788 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

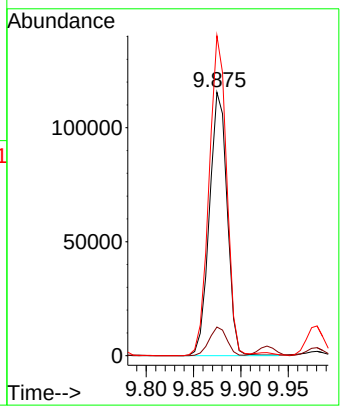
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

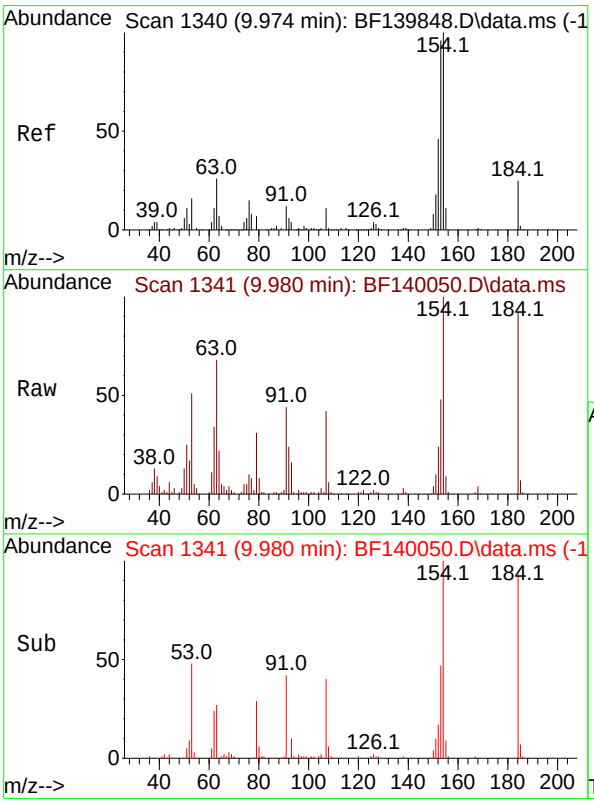
Tgt Ion:138 Resp: 15027

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.2	15.2
92	121.5	98.3	147.5

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Supervised By :mohammad ahmed 10/29/2024

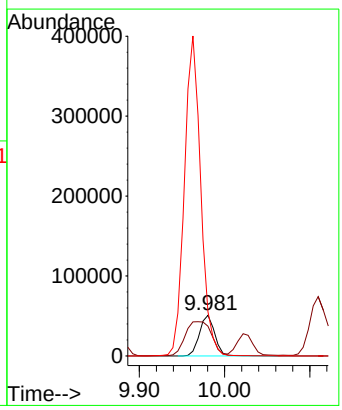


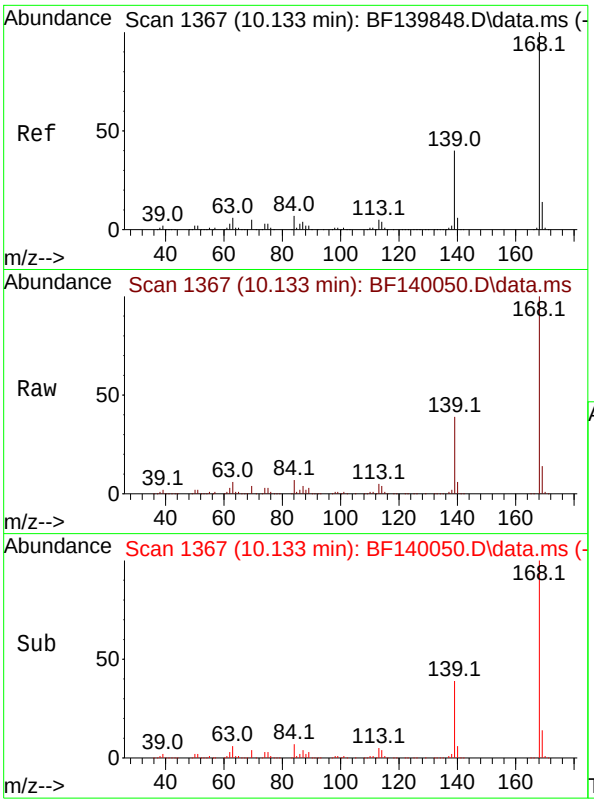


#54
2,4-Dinitrophenol
Concen: 47.791 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:184 Resp: 63575

Ion	Ratio	Lower	Upper
184	100		
63	73.3	84.7	127.1#
154	108.4	338.2	507.2#





#55
Dibenzofuran
Concen: 39.650 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

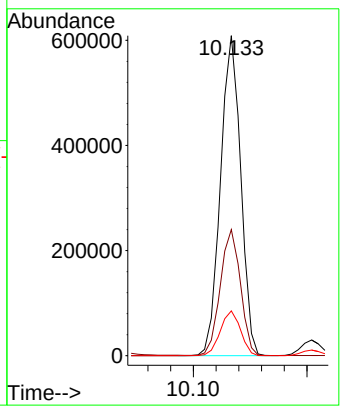
Tgt Ion:168 Resp: 75327

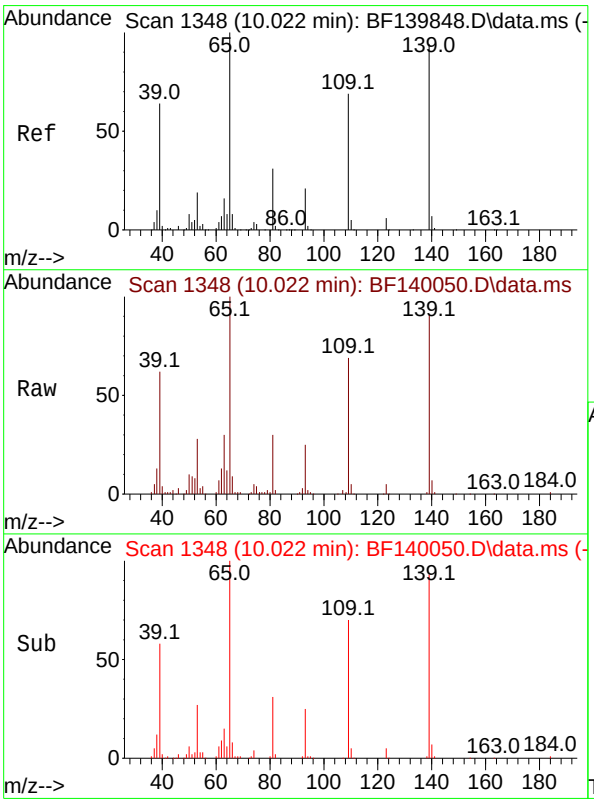
Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.8	47.6
169	14.0	11.6	17.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

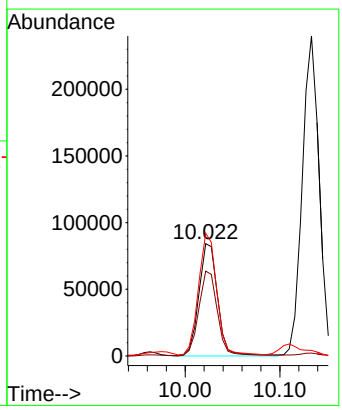


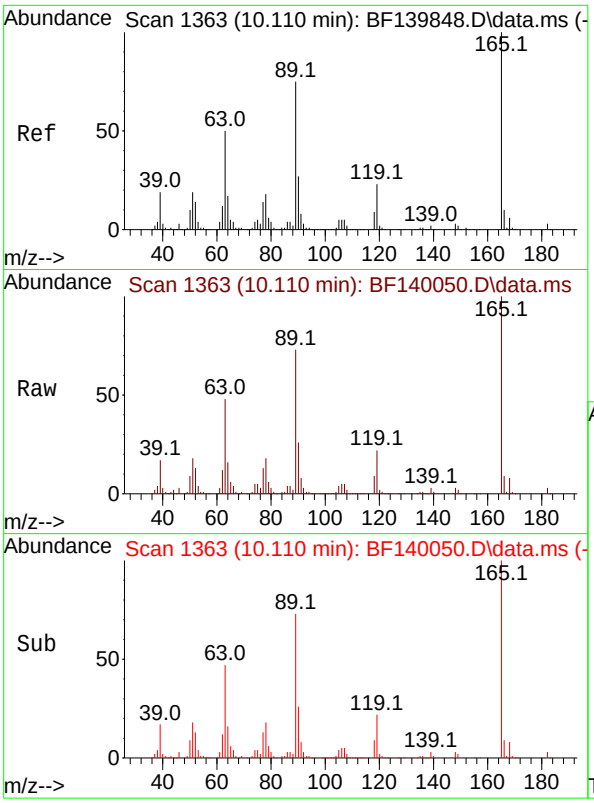


#56
4-Nitrophenol
Concen: 42.861 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:139 Resp: 115811

Ion	Ratio	Lower	Upper
139	100		
109	75.6	53.6	93.6
65	109.4	87.8	127.8

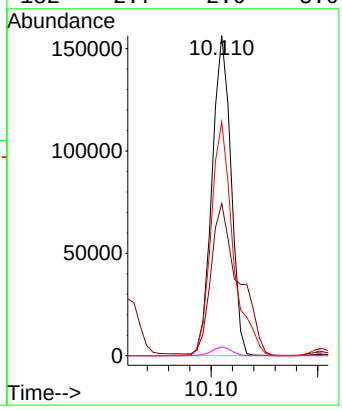




#57
2,4-Dinitrotoluene
Concen: 46.215 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:165 Resp: 19355

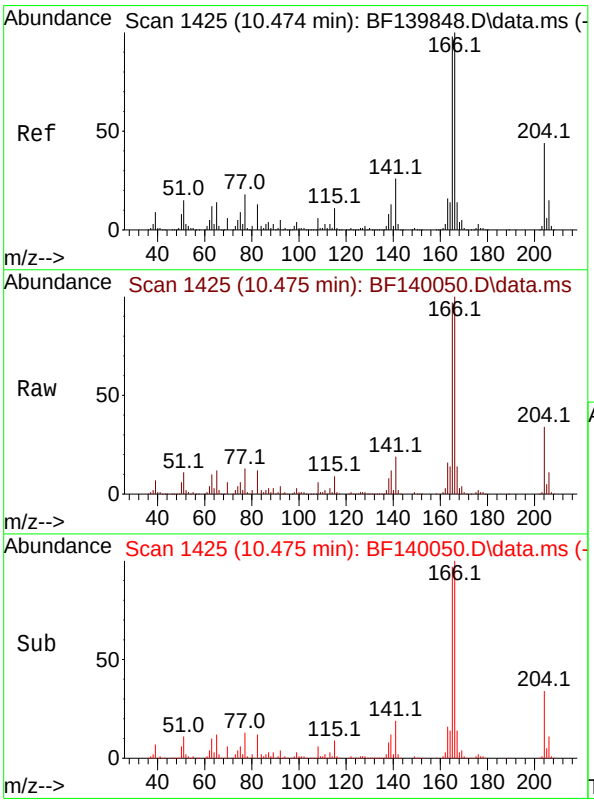
Ion	Ratio	Lower	Upper
165	100		
63	47.6	40.1	60.1
89	73.1	60.4	90.6
182	2.7	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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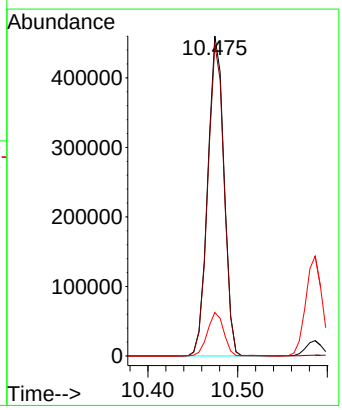
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

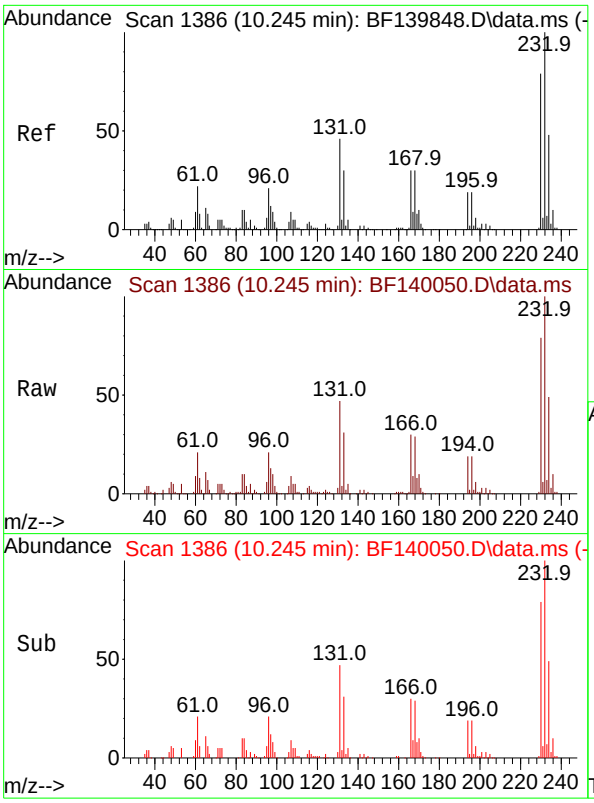


#58
Fluorene
Concen: 40.101 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:166 Resp: 580262

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.5	117.7
167	13.6	10.9	16.3

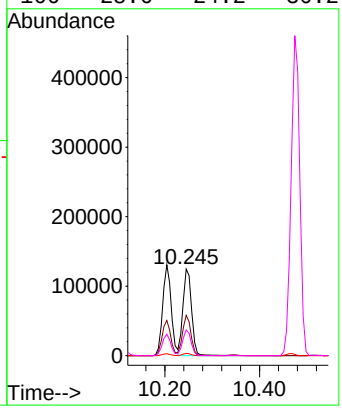




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.748 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:232 Resp: 15896

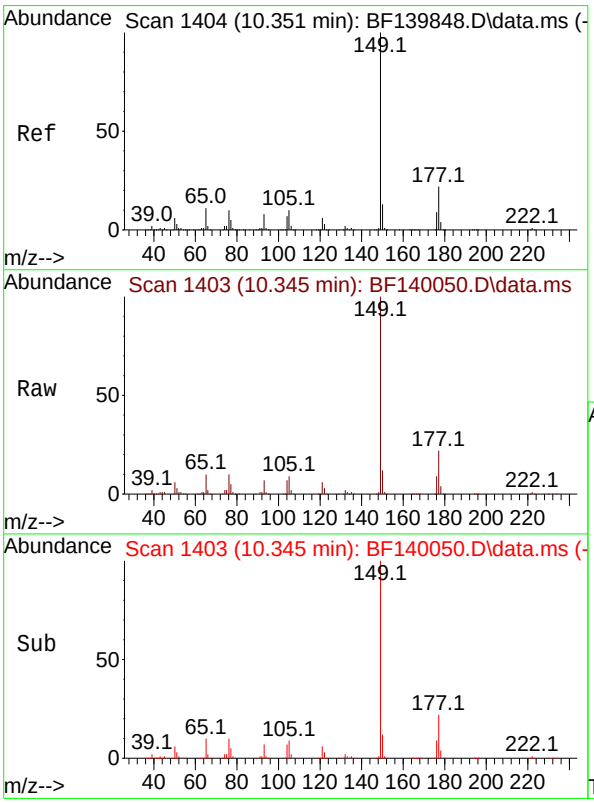
Ion	Ratio	Lower	Upper
232	100		
131	45.4	37.0	55.6
130	2.6	1.9	2.9
166	28.6	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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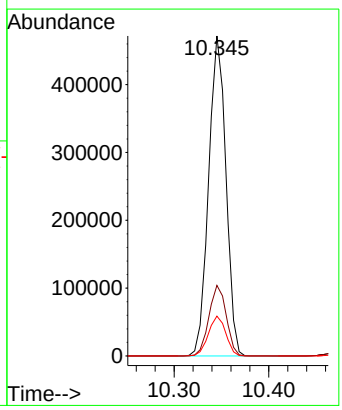
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

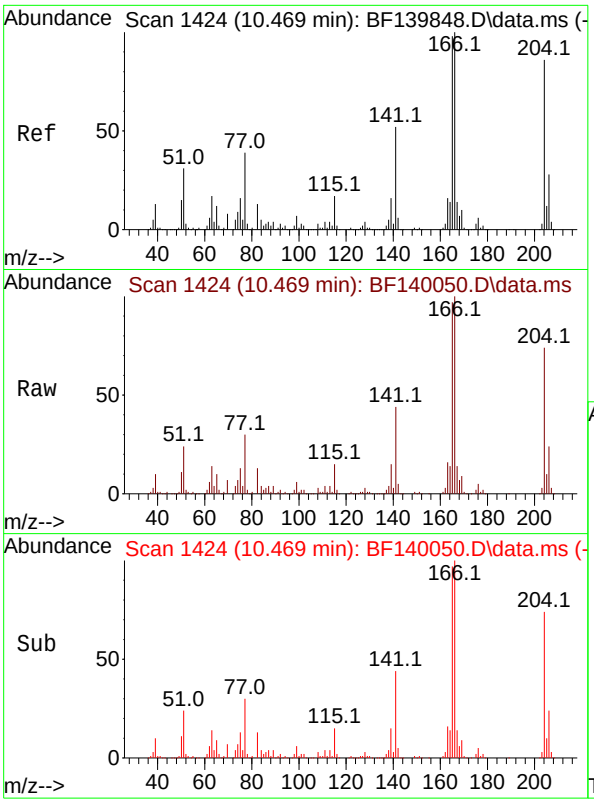


#60
Diethylphthalate
Concen: 38.622 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:149 Resp: 596467

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.9	26.9
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.136 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

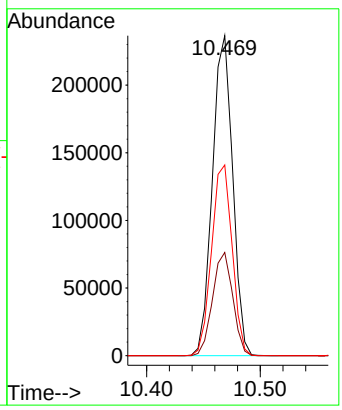
Tgt Ion:204 Resp: 29329

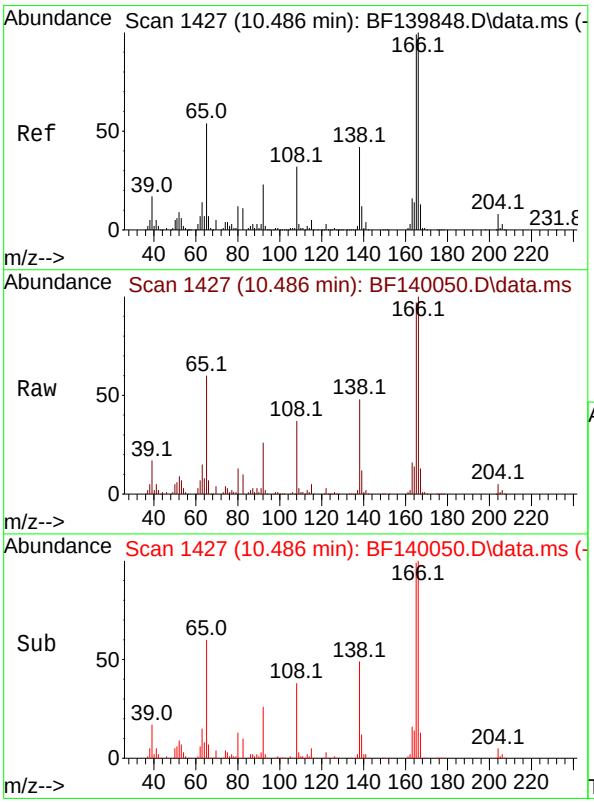
Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	59.6	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

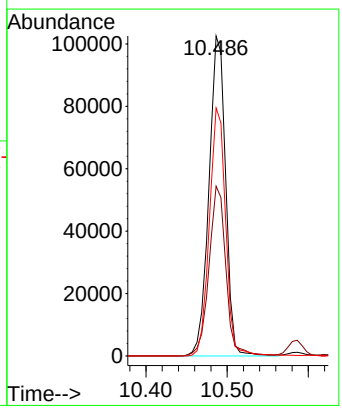


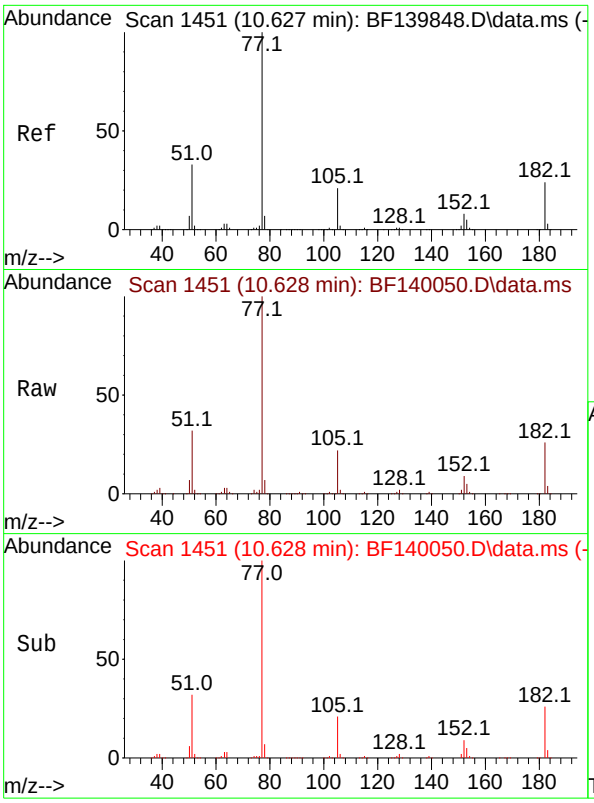


#62
4-Nitroaniline
Concen: 44.006 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:138 Resp: 145969

Ion	Ratio	Lower	Upper
138	100		
92	53.0	35.7	75.7
108	77.5	57.5	97.5





#63
Azobenzene
Concen: 36.919 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

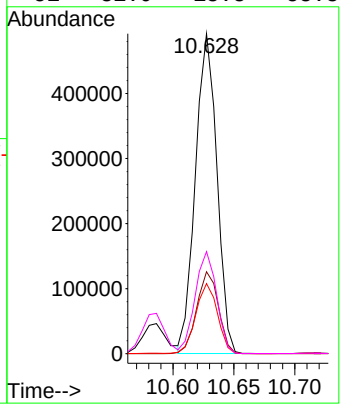
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

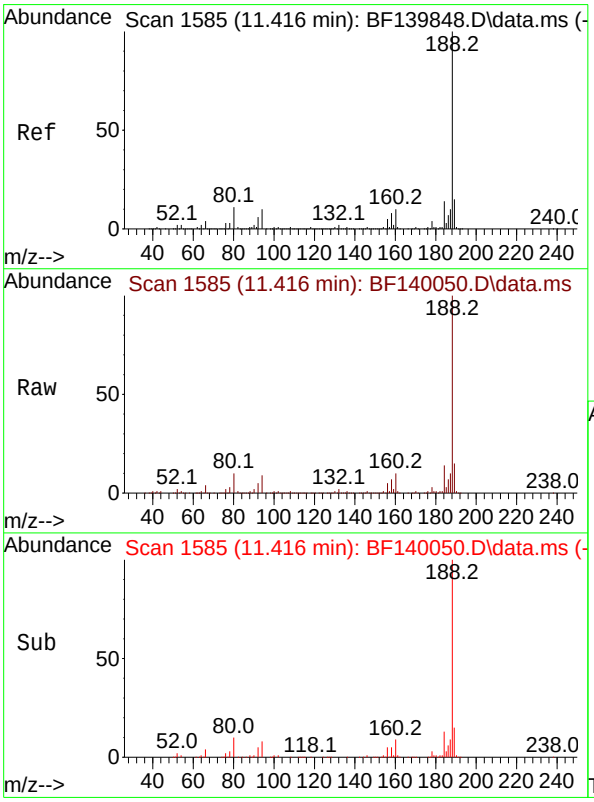
Tgt Ion: 77 Resp: 60446

Ion	Ratio	Lower	Upper
77	100		
182	25.6	3.3	43.3
105	21.9	1.2	41.2
51	31.9	13.3	53.3

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Supervised By :mohammad ahmed 10/29/2024

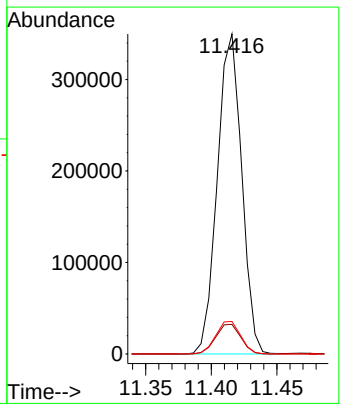


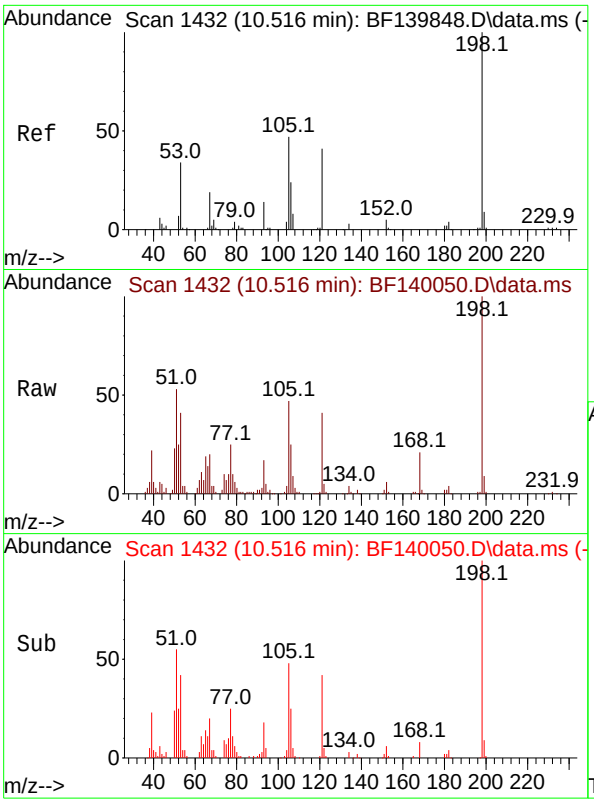


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:188 Resp: 452033

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.9	11.9
80	10.1	9.0	13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 51.213 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

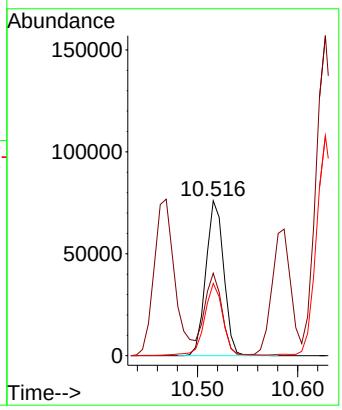
Tgt Ion:198 Resp: 9442

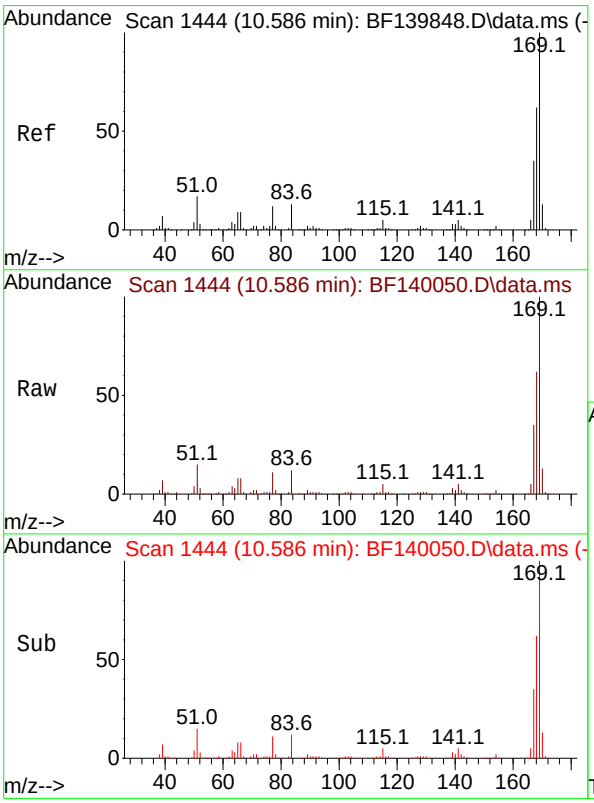
Ion	Ratio	Lower	Upper
198	100		
51	53.2	38.2	78.2
105	46.5	27.9	67.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

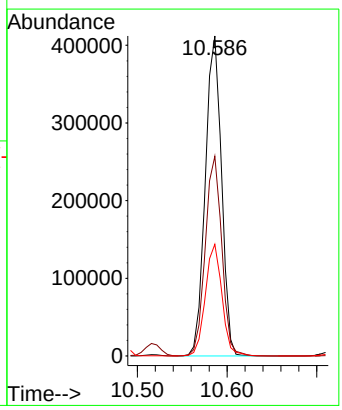


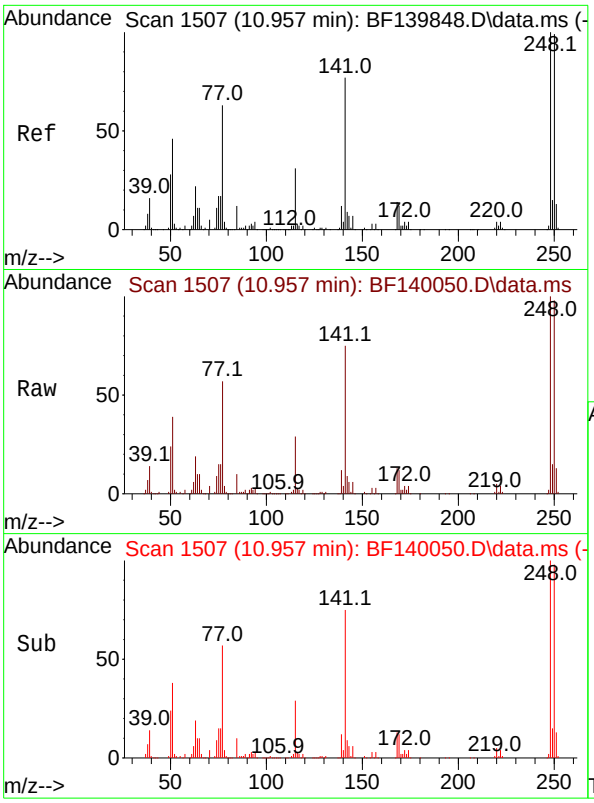


#66
n-Nitrosodiphenylamine
Concen: 38.193 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:169 Resp: 516725

Ion	Ratio	Lower	Upper
169	100		
168	62.4	49.8	74.6
167	34.9	28.0	42.0





#67
4-Bromophenyl-phenylether
Concen: 39.222 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

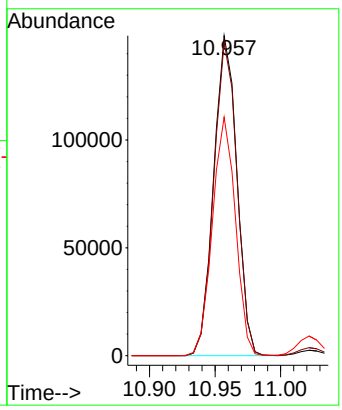
Tgt Ion:248 Resp: 18265

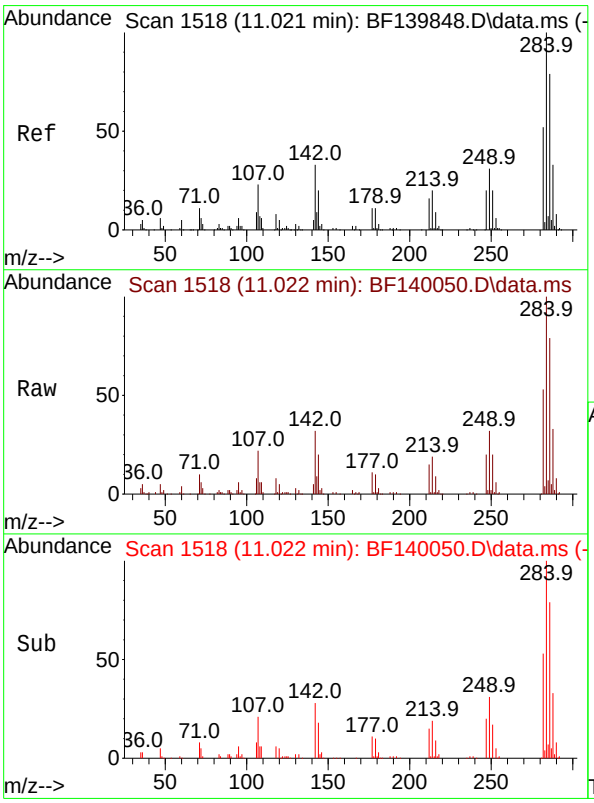
Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.0	118.6
141	74.5	61.7	92.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

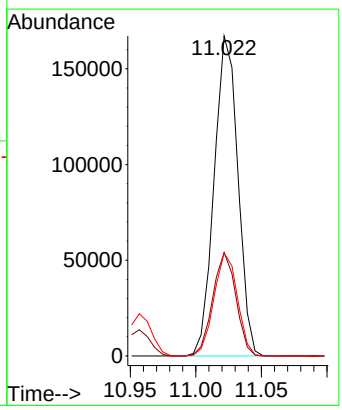


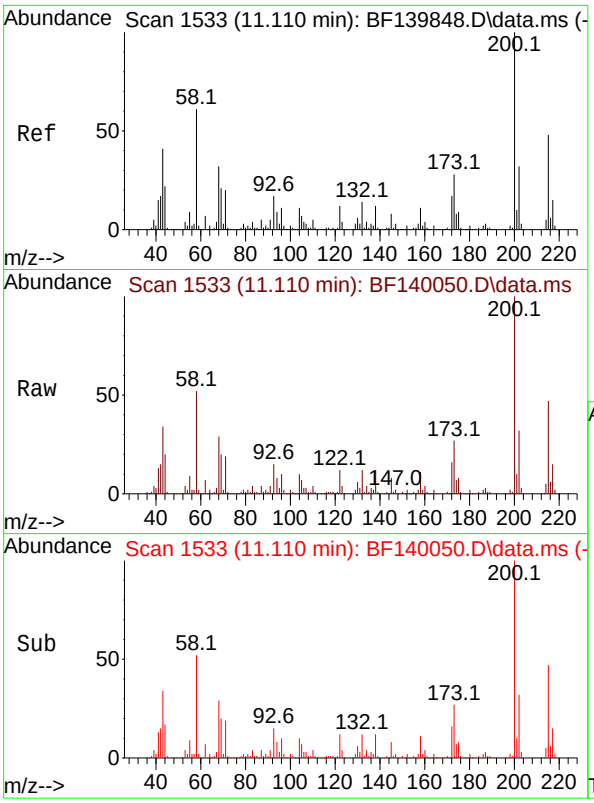


#68
Hexachlorobenzene
Concen: 40.149 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:284 Resp: 210271

Ion	Ratio	Lower	Upper
284	100		
142	32.4	26.9	40.3
249	32.2	25.3	37.9





#69
Atrazine
Concen: 38.590 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

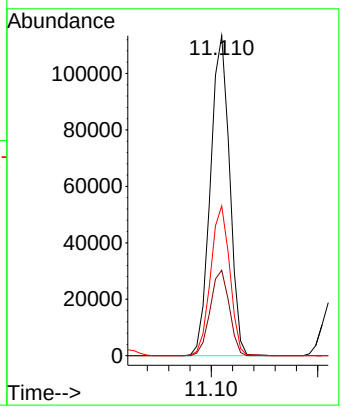
Tgt Ion:200 Resp: 14142

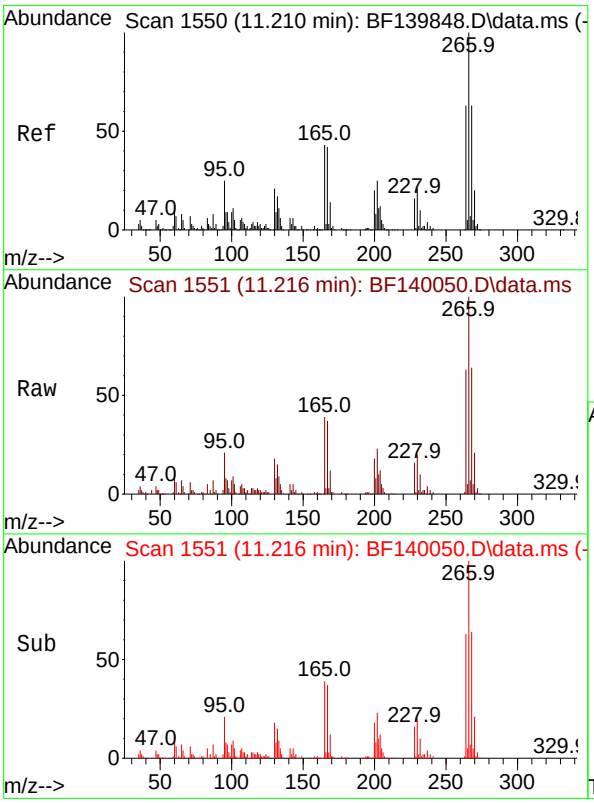
Ion	Ratio	Lower	Upper
200	100		
173	26.7	7.7	47.7
215	46.8	27.7	67.7

Instrument :
BNA_F
ClientSampleId :
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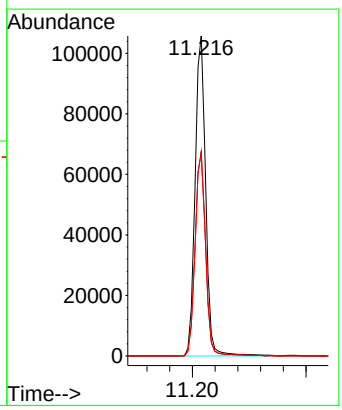


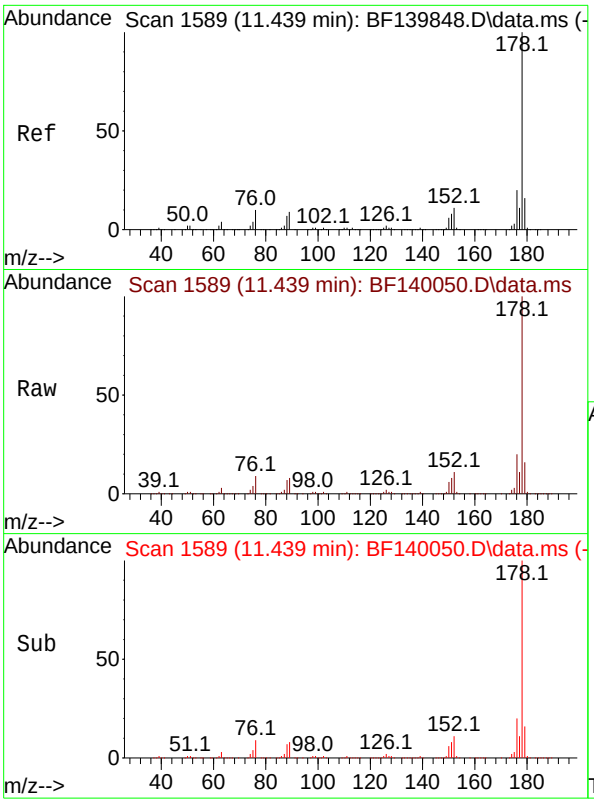


#70
Pentachlorophenol
Concen: 43.242 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:266 Resp: 137449

Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.4	75.6
264	63.1	50.6	75.8





#71
Phenanthrene
Concen: 38.651 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

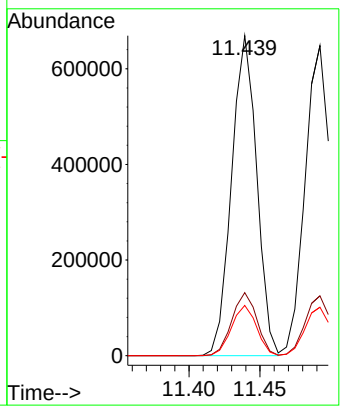
Tgt Ion:178 Resp: 82527

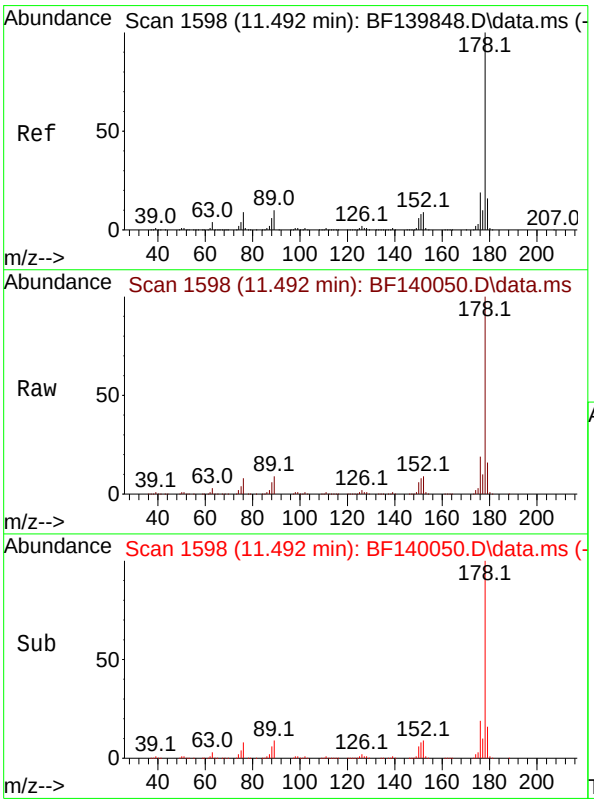
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.7	12.6	18.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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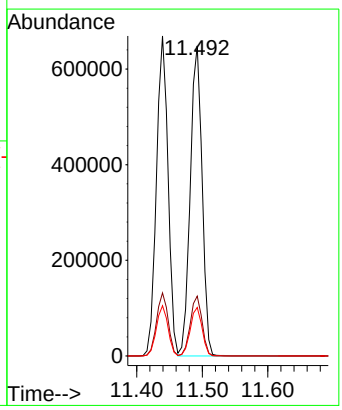


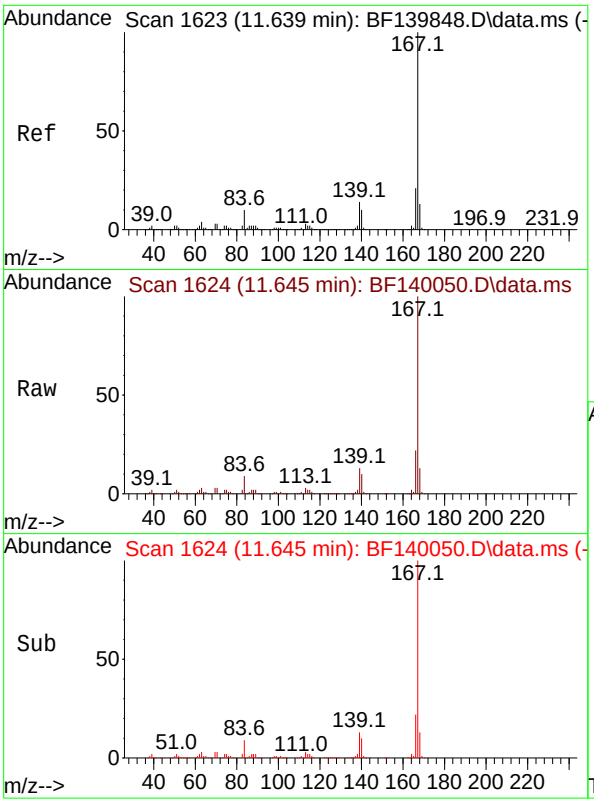


#72
Anthracene
Concen: 39.105 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:178 Resp: 814682

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.4	18.6

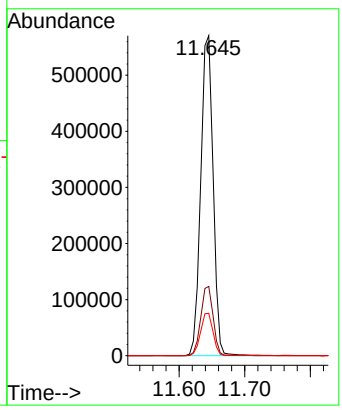




#73
Carbazole
Concen: 38.824 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:167 Resp: 75222

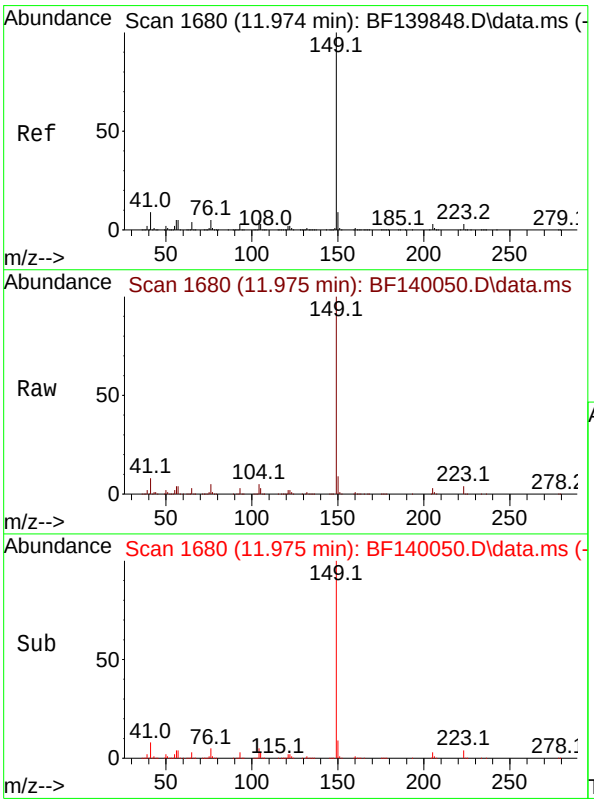
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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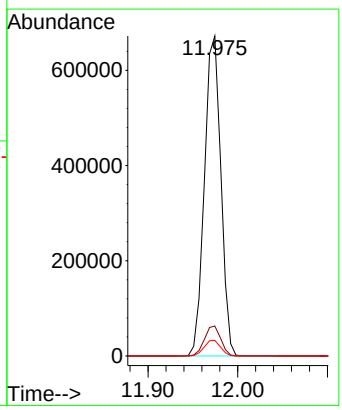
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

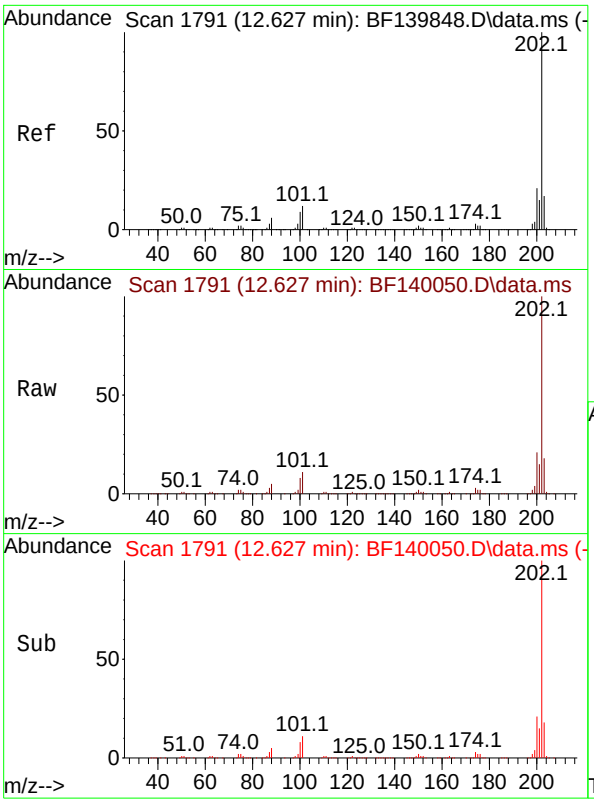


#74
Di-n-butylphthalate
Concen: 38.208 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:149 Resp: 855272

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.8	4.1	6.1





#75
Fluoranthene
Concen: 40.418 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

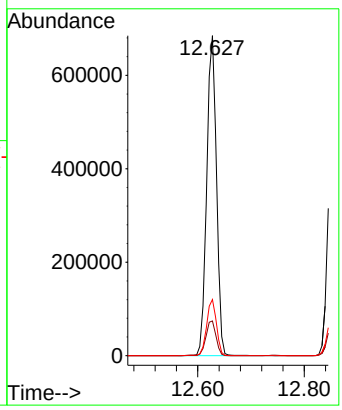
Tgt Ion:202 Resp: 87242

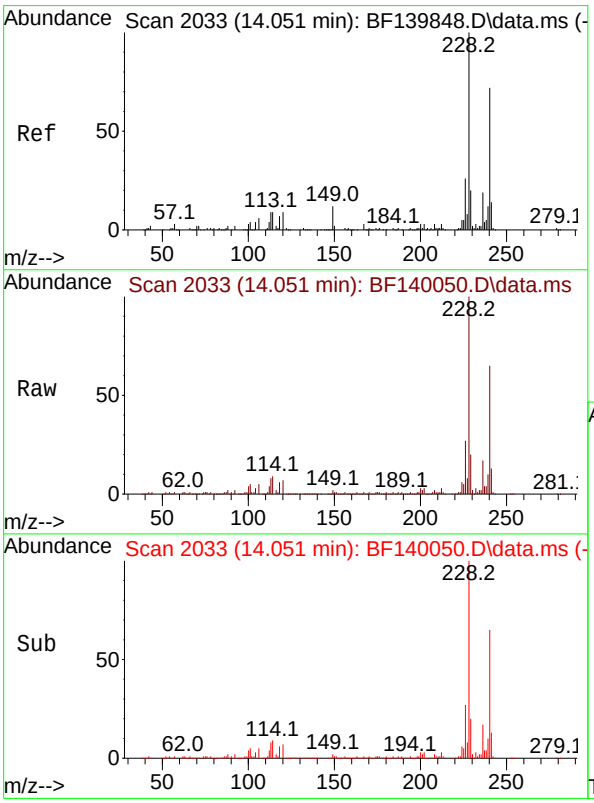
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.9
203	17.5	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/29/2024
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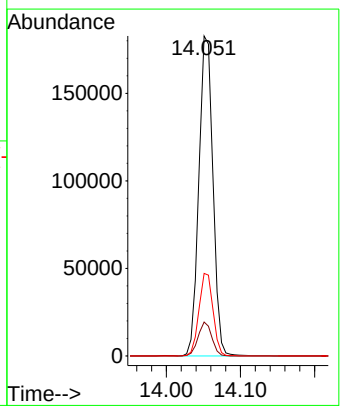


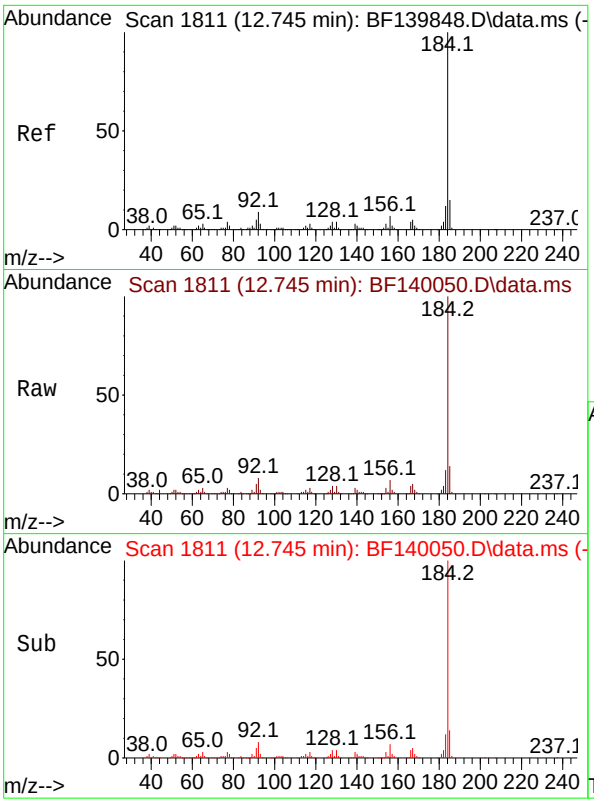


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:240 Resp: 241717

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.4	14.2
236	25.8	20.9	31.3





#77
Benzidine
Concen: 54.904 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

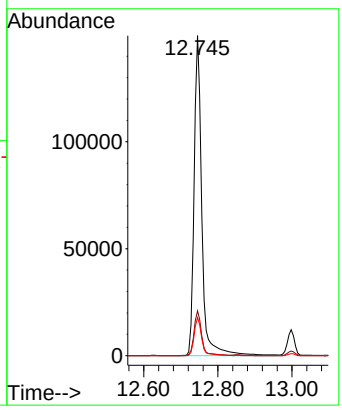
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

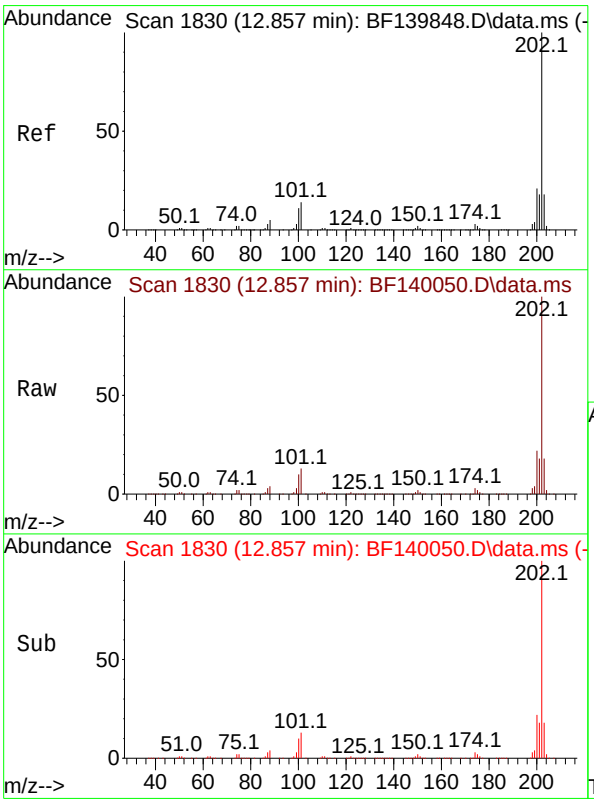
Tgt Ion:184 Resp: 21822

Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.0	18.0
183	11.9	9.4	14.2

Manual Integrations
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Supervised By :mohammad ahmed 10/29/2024

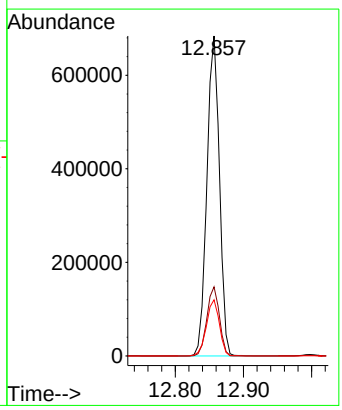


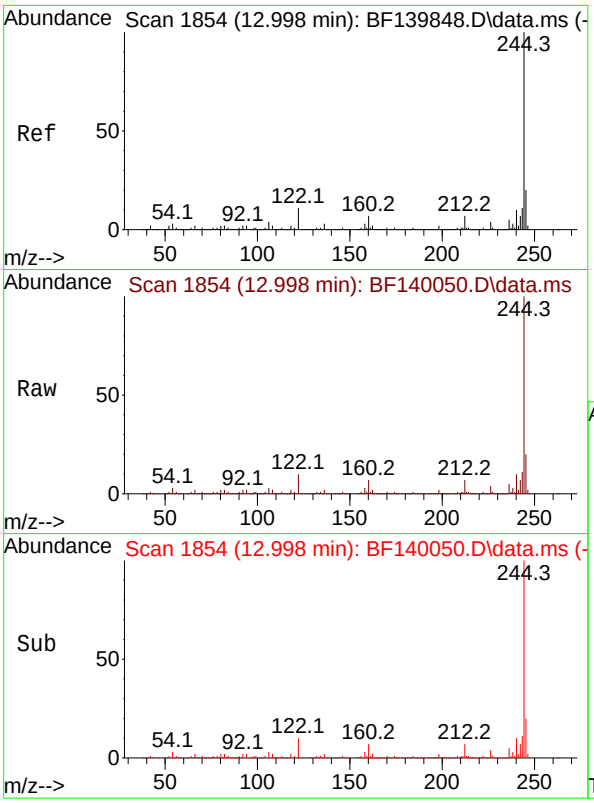


#78
Pyrene
Concen: 41.378 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:202 Resp: 875493

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.5	14.2	21.4

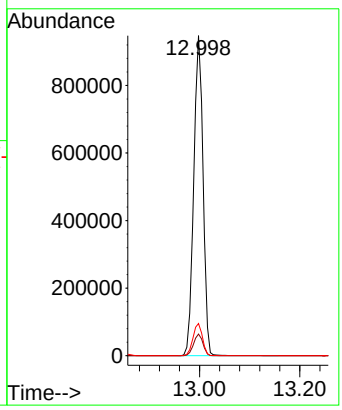




#79
Terphenyl-d14
Concen: 81.965 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:244 Resp: 121586

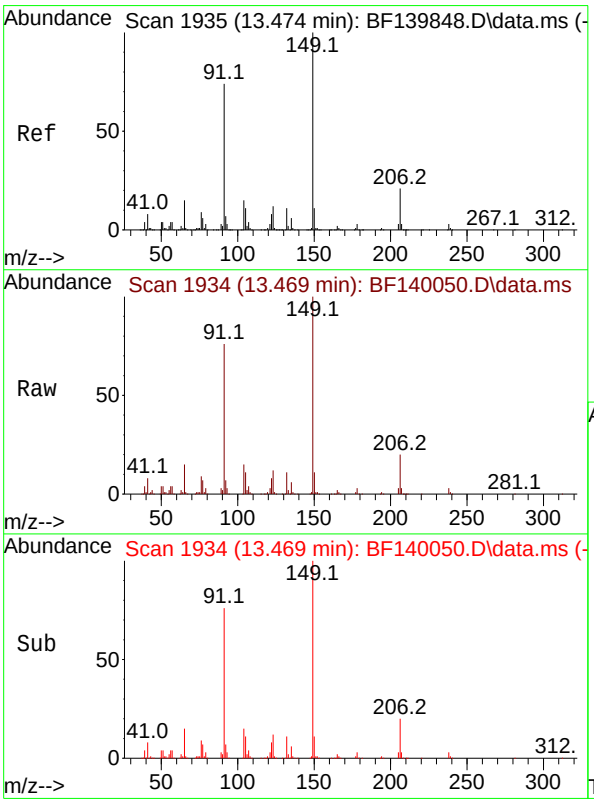
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.0	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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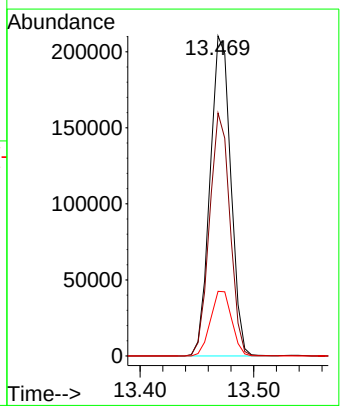
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

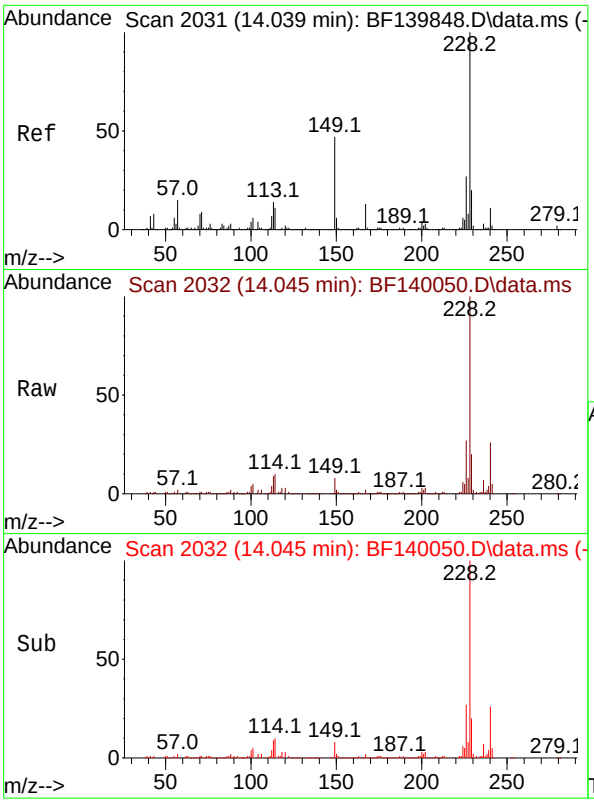


#80
Butylbenzylphthalate
Concen: 41.996 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:149 Resp: 266392

Ion	Ratio	Lower	Upper
149	100		
91	75.9	59.4	89.2
206	20.2	16.4	24.6





#81
Benzo(a)anthracene
Concen: 40.293 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

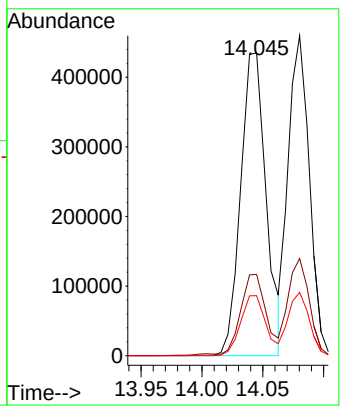
Tgt Ion:228 Resp: 63400

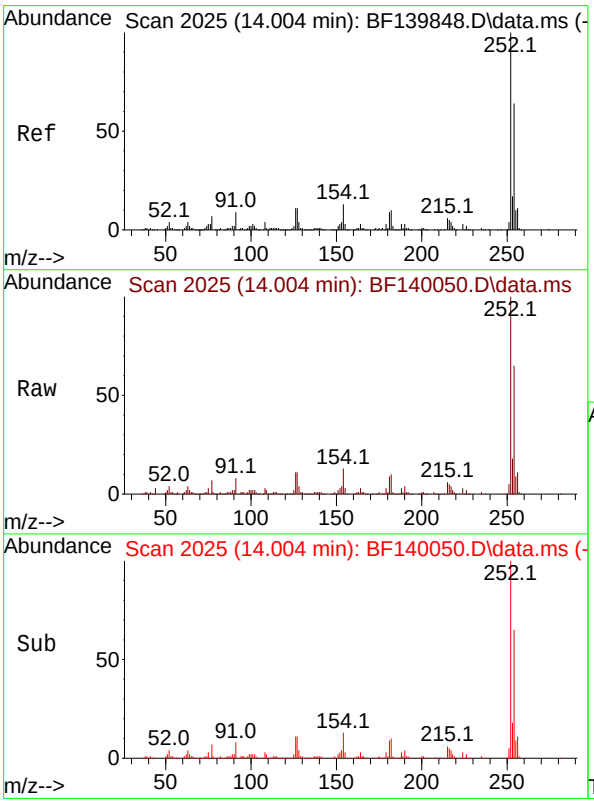
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.6	32.4
229	19.8	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 10/29/2024

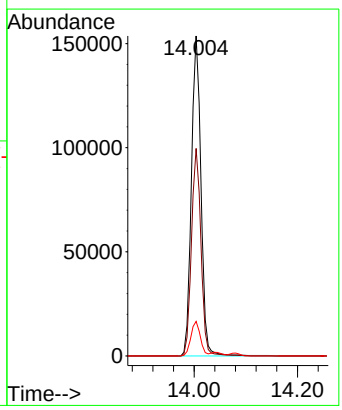


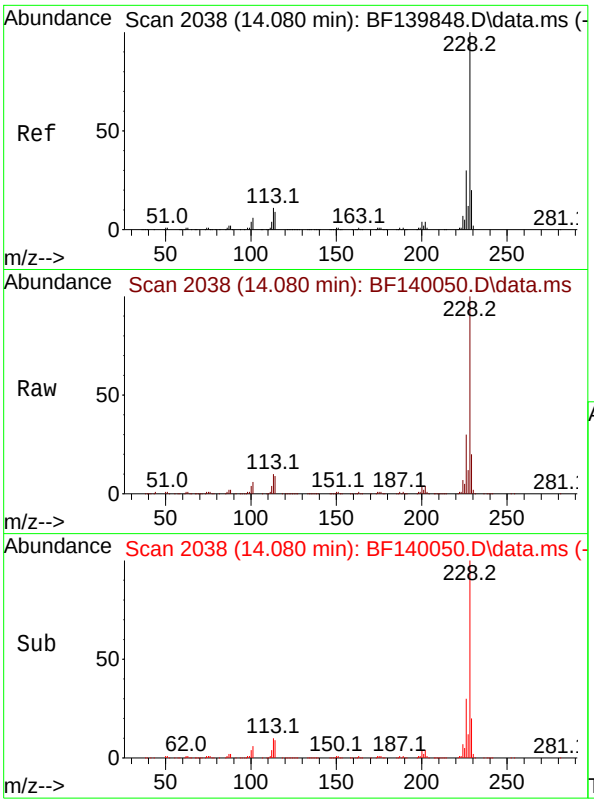


#82
3,3'-Dichlorobenzidine
Concen: 43.096 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:252 Resp: 197714

Ion	Ratio	Lower	Upper
252	100		
254	64.8	50.8	76.2
126	10.8	8.9	13.3

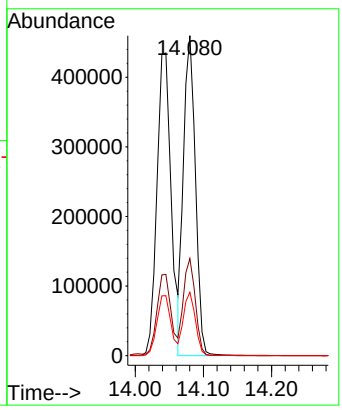




#83
Chrysene
Concen: 38.784 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:228 Resp: 55954

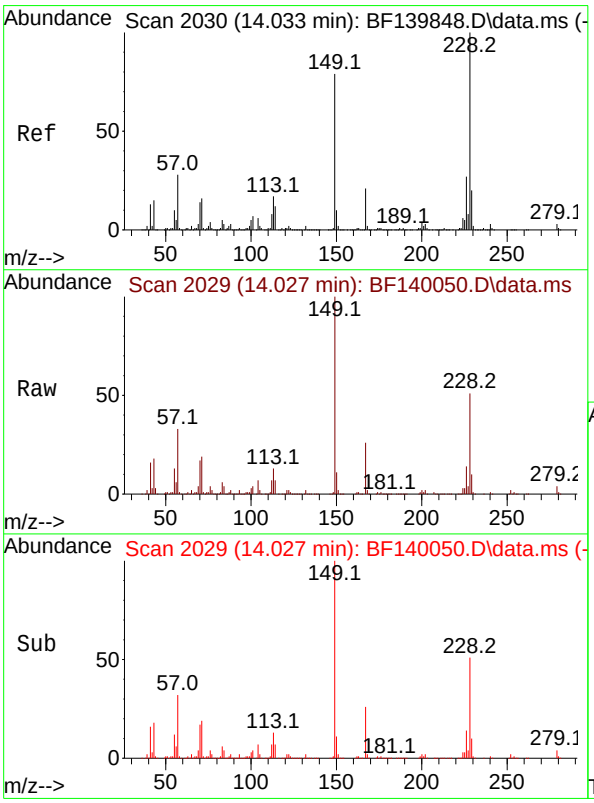
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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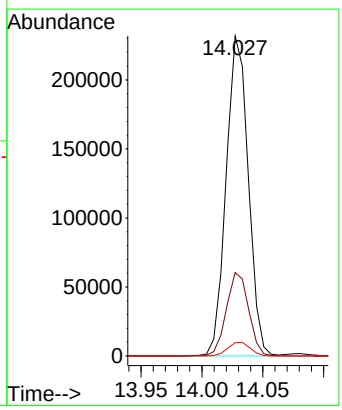
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

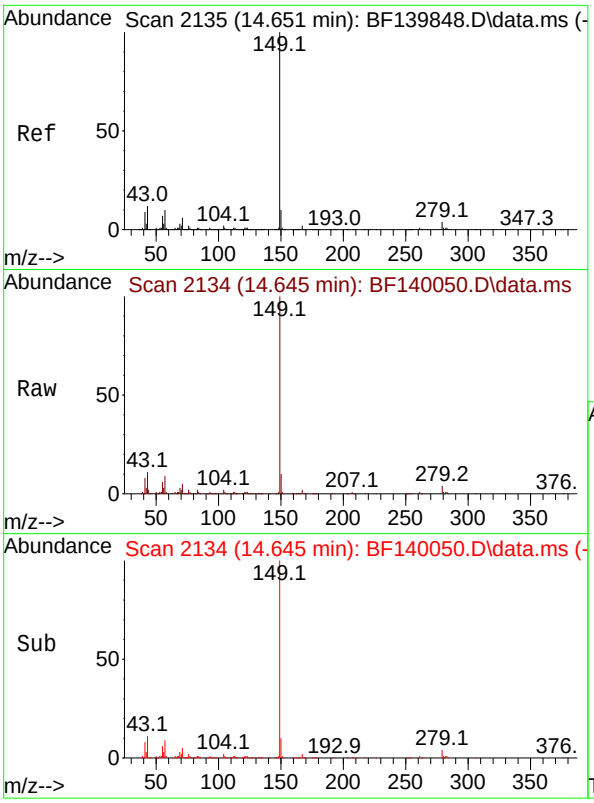


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.182 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:149 Resp: 293086

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.4	32.0
279	4.2	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 33.379 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

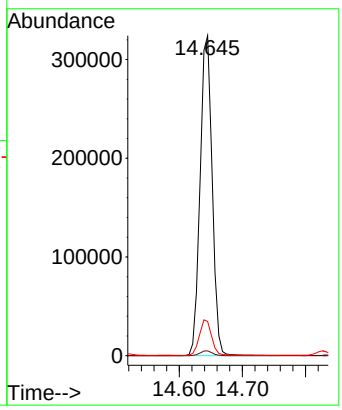
Tgt Ion:149 Resp: 43208

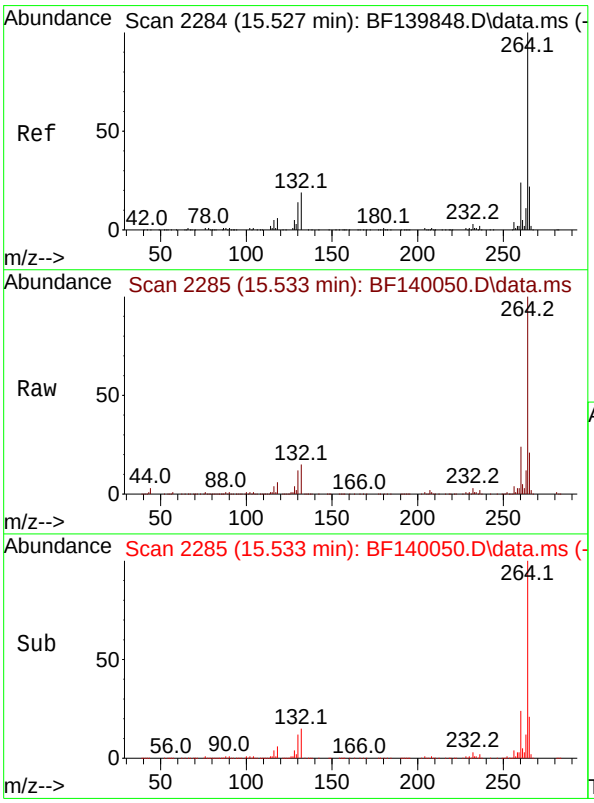
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.4	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

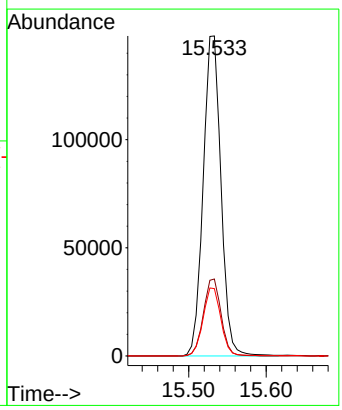


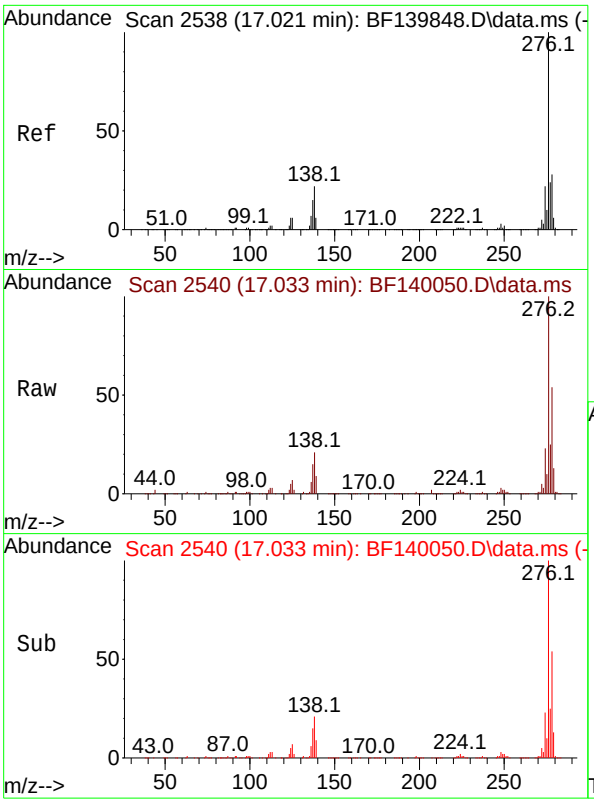


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:264 Resp: 235878

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.0	17.4	26.0

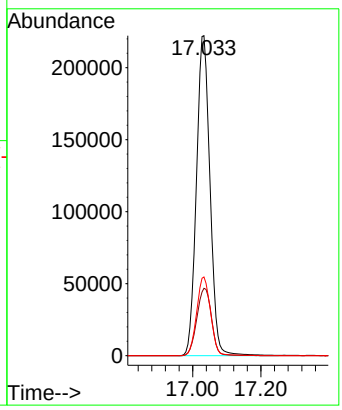




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.509 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:276 Resp: 61470

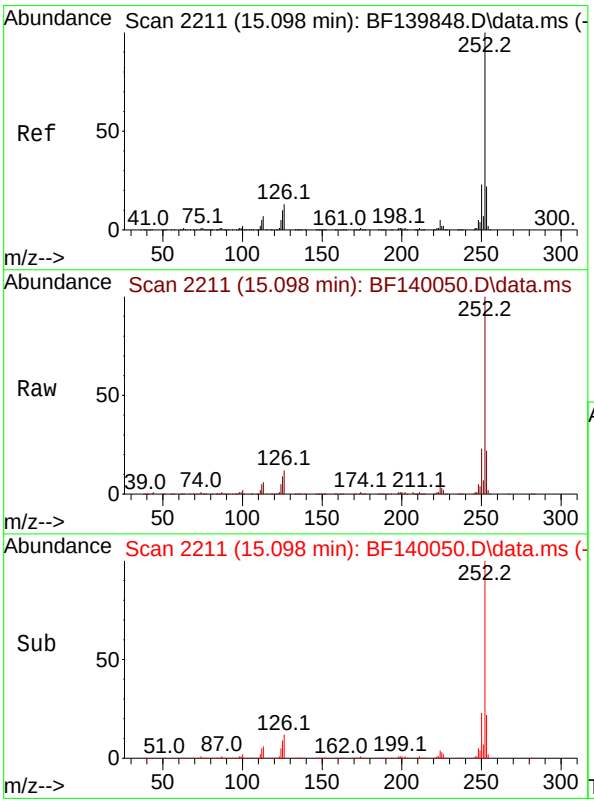
Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.4	30.6
277	25.2	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

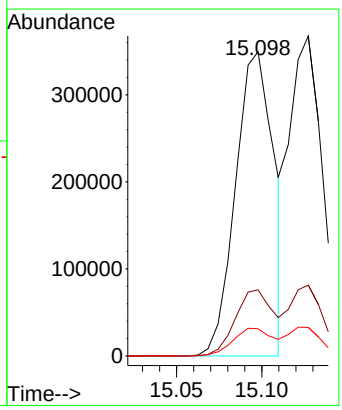
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

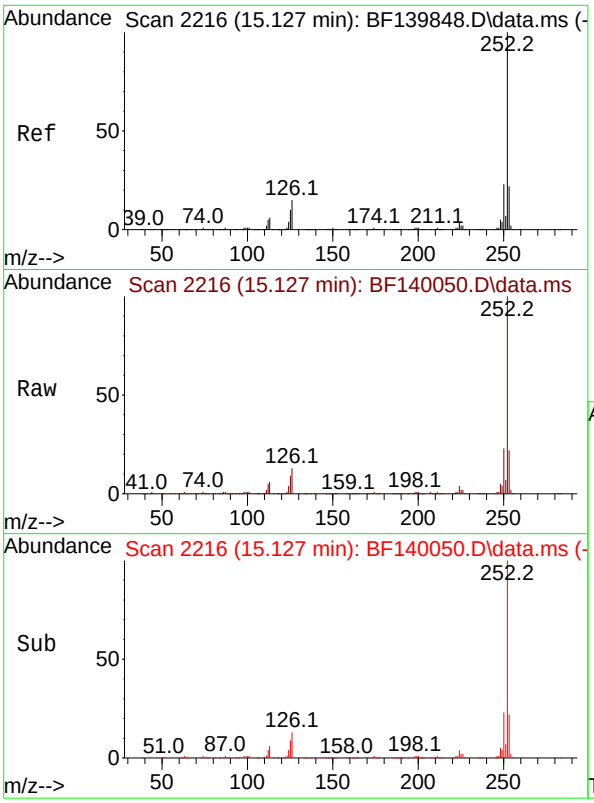


#88
Benzo(b)fluoranthene
Concen: 37.874 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:252 Resp: 544199

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	8.9	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 40.470 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

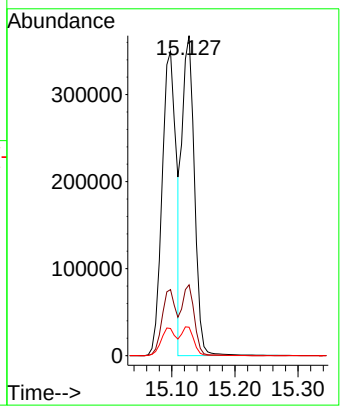
Tgt Ion:252 Resp: 50149

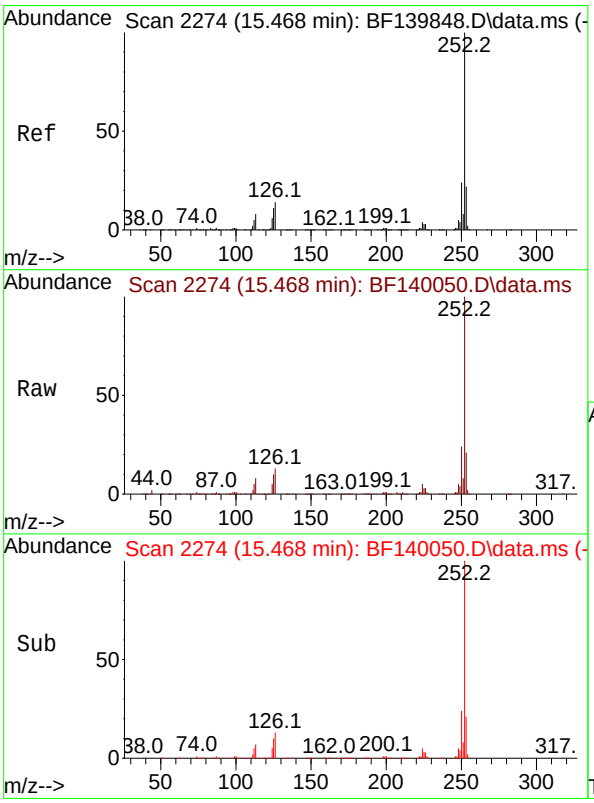
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.9	7.9	11.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

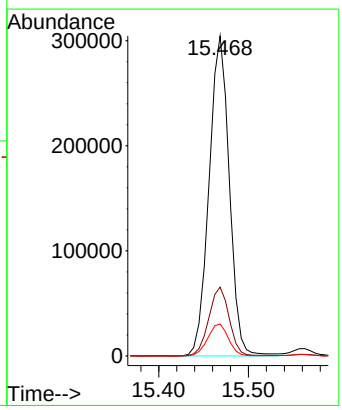


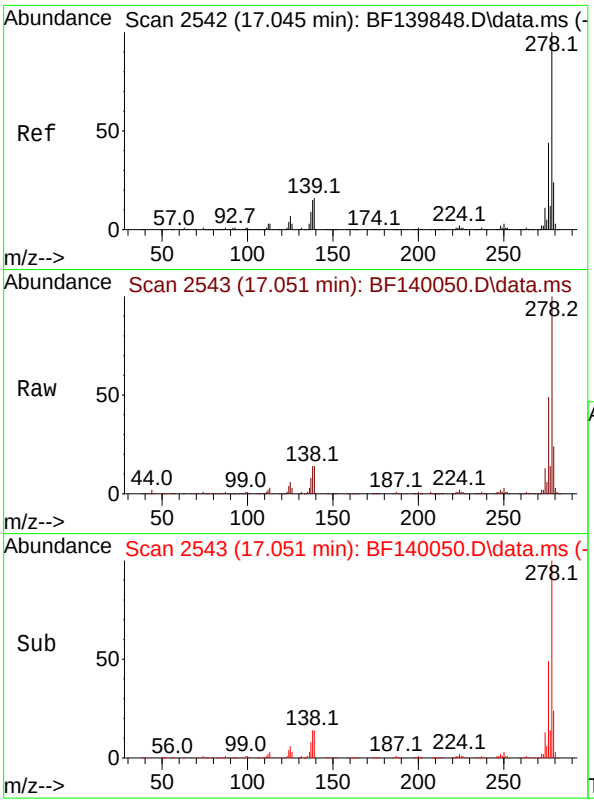


#90
Benzo(a)pyrene
Concen: 40.409 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:252 Resp: 477754

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	10.0	8.7	13.1

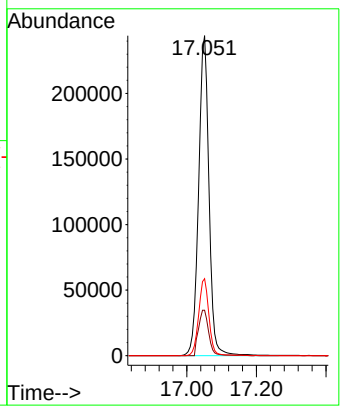




#91
Dibenzo(a,h)anthracene
Concen: 39.886 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:278 Resp: 50491

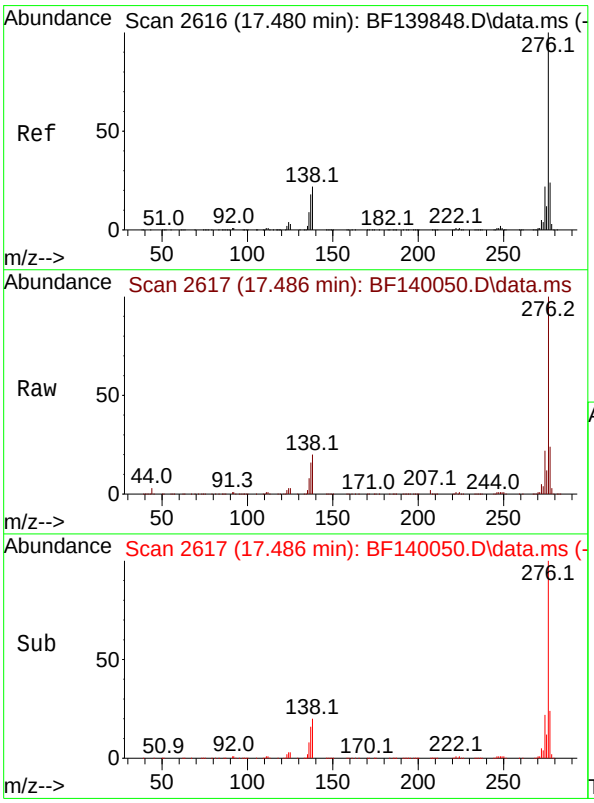
Ion	Ratio	Lower	Upper
278	100		
139	14.2	13.1	19.7
279	24.0	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

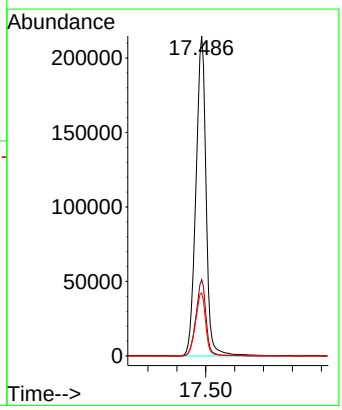
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#92
Benzo(g,h,i)perylene
Concen: 41.435 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF140050.D
Acq: 26 Oct 2024 10:38

Tgt Ion:276 Resp: 523930

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	19.7	17.4	26.0



Sample Results: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	71	0.00
2		1,4-Dioxane	0.596	0.584	2.0	70	-0.02
3		Pyridine	1.476	1.426	3.4	67	-0.01
4		n-Nitrosodimethylamine	0.793	0.741	6.6	65	-0.01
5	S	2-Fluorophenol	1.278	1.220	4.5	68	0.00
6		Aniline	1.542	1.432	7.1	64	0.00
7	S	Phenol-d6	1.655	1.531	7.5	66	0.00
8		2-Chlorophenol	1.306	1.244	4.7	67	0.00
9		Benzaldehyde	0.931	0.910	2.3	69	0.00
10	C	Phenol	1.706	1.580	7.4	65	0.00
11		bis(2-Chloroethyl)ether	1.319	1.223	7.3	67	0.00
12		1,3-Dichlorobenzene	1.499	1.477	1.5	70	0.00
13	C	1,4-Dichlorobenzene	1.498	1.482	1.1	71	0.00
14		1,2-Dichlorobenzene	1.398	1.369	2.1	70	0.00
15		Benzyl Alcohol	1.214	1.129	7.0	66	0.00
16		2,2'-oxybis(1-Chloropropane	2.248	1.910	15.0	60	0.00
17		2-Methylphenol	1.114	1.029	7.6	65	0.00
18		Hexachloroethane	0.534	0.520	2.6	68	0.00
19	P	n-Nitroso-di-n-propylamine	1.004	0.873	13.0	63	0.00
20		3+4-Methylphenols	1.424	1.308	8.1	65	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.490	0.475	3.1	67	0.00
23	S	Nitrobenzene-d5	0.361	0.380	-5.3	69	0.00
24		Nitrobenzene	0.396	0.399	-0.8	67	0.00
25		Isophorone	0.685	0.645	5.8	64	0.00
26	C	2-Nitrophenol	0.149	0.164	-10.1	70	0.00
27		2,4-Dimethylphenol	0.249	0.232	6.8	63	0.00
28		bis(2-Chloroethoxy)methane	0.415	0.393	5.3	65	0.00
29	C	2,4-Dichlorophenol	0.283	0.279	1.4	67	0.00
30		1,2,4-Trichlorobenzene	0.314	0.319	-1.6	68	0.00
31		Naphthalene	1.031	1.028	0.3	68	0.00
32		Benzoic acid	0.217	0.211	2.8	65	0.00
33		4-Chloroaniline	0.352	0.343	2.6	66	0.00
34	C	Hexachlorobutadiene	0.197	0.204	-3.6	70	0.00
35		Caprolactam	0.090	0.088	2.2	65	0.00
36	C	4-Chloro-3-methylphenol	0.314	0.307	2.2	66	0.00
37		2-Methylnaphthalene	0.632	0.618	2.2	67	0.00
38		1-Methylnaphthalene	0.620	0.605	2.4	67	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	66	0.00
40		1,2,4,5-Tetrachlorobenzene	0.540	0.555	-2.8	69	0.00
41	P	Hexachlorocyclopentadiene	0.188	0.191	-1.6	64	0.00
42	S	2,4,6-Tribromophenol	0.187	0.204	-9.1	72	0.00
43	C	2,4,6-Trichlorophenol	0.382	0.374	2.1	64	0.00
44		2,4,5-Trichlorophenol	0.394	0.414	-5.1	69	0.00
45	S	2-Fluorobiphenyl	1.210	1.211	-0.1	69	0.00
46		1,1'-Biphenyl	1.392	1.391	0.1	67	0.00
47		2-Chloronaphthalene	1.121	1.129	-0.7	68	0.00

Sample Results: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	0.343	0.375	-9.3	68	0.00
49		Acenaphthylene	1.621	1.628	-0.4	67	0.00
50		Dimethylphthalate	1.246	1.229	1.4	66	0.00
51		2,6-Dinitrotoluene	0.270	0.290	-7.4	69	0.00
52	C	Acenaphthene	1.049	1.058	-0.9	67	0.00
53		3-Nitroaniline	0.278	0.298	-7.2	68	0.00
54	P	2,4-Dinitrophenol	0.093	0.126	-35.5#	83	0.00
55		Dibenzofuran	1.505	1.491	0.9	67	0.00
56	P	4-Nitrophenol	0.214	0.229	-7.0	66	0.00
57		2,4-Dinitrotoluene	0.332	0.383	-15.4	72	0.00
58		Fluorene	1.146	1.149	-0.3	69	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.315	-1.9	68	0.00
60		Diethylphthalate	1.223	1.181	3.4	65	0.00
61		4-Chlorophenyl-phenylether	0.579	0.581	-0.3	68	0.00
62		4-Nitroaniline	0.263	0.289	-9.9	70	0.00
63		Azobenzene	1.297	1.197	7.7	61	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	68	0.00
65		4,6-Dinitro-2-methylphenol	0.082	0.104	-26.8#	82	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.572	4.5	65	0.00
67		4-Bromophenyl-phenylether	0.206	0.202	1.9	68	0.00
68		Hexachlorobenzene	0.232	0.233	-0.4	69	0.00
69		Atrazine	0.162	0.156	3.7	61	0.00
70	C	Pentachlorophenol	0.141	0.152	-7.8	68	0.00
71		Phenanthrene	0.945	0.913	3.4	67	0.00
72		Anthracene	0.922	0.901	2.3	67	0.00
73		Carbazole	0.857	0.832	2.9	67	0.00
74		Di-n-butylphthalate	0.990	0.946	4.4	64	0.00
75	C	Fluoranthene	0.955	0.965	-1.0	70	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	70	0.00
77		Benzidine	0.329	0.451	-37.1#	86	0.00
78		Pyrene	1.751	1.811	-3.4	70	0.00
79	S	Terphenyl-d14	1.227	1.258	-2.5	71	0.00
80		Butylbenzylphthalate	0.525	0.551	-5.0	69	0.00
81		Benzo(a)anthracene	1.302	1.311	-0.7	69	0.00
82		3,3'-Dichlorobenzidine	0.380	0.409	-7.6	74	0.00
83		Chrysene	1.194	1.157	3.1	69	0.00
84		Bis(2-ethylhexyl)phthalate	0.589	0.606	-2.9	68	0.00
85	c	Di-n-octyl phthalate	1.071	0.894	16.5	55	0.00
86	I	Perylene-d12	1.000	1.000	0.0	65	0.00
87		Indeno(1,2,3-cd)pyrene	1.287	1.303	-1.2	62	0.01
88		Benzo(b)fluoranthene	1.218	1.154	5.3	62	0.00
89		Benzo(k)fluoranthene	1.051	1.063	-1.1	64	0.00
90	C	Benzo(a)pyrene	1.002	1.013	-1.1	64	0.00
91		Dibenzo(a,h)anthracene	1.073	1.070	0.3	62	0.00
92		Benzo(g,h,i)perylene	1.072	1.111	-3.6	64	0.00

Sample Results: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	71	0.00
2		1,4-Dioxane	40.000	39.204	2.0	70	-0.02
3		Pyridine	40.000	38.628	3.4	67	-0.01
4		n-Nitrosodimethylamine	40.000	37.371	6.6	65	-0.01
5	S	2-Fluorophenol	80.000	76.419	4.5	68	0.00
6		Aniline	40.000	37.144	7.1	64	0.00
7	S	Phenol-d6	80.000	74.043	7.4	66	0.00
8		2-Chlorophenol	40.000	38.107	4.7	67	0.00
9		Benzaldehyde	40.000	39.089	2.3	69	0.00
10	C	Phenol	40.000	37.053	7.4	65	0.00
11		bis(2-Chloroethyl)ether	40.000	37.093	7.3	67	0.00
12		1,3-Dichlorobenzene	40.000	39.403	1.5	70	0.00
13	C	1,4-Dichlorobenzene	40.000	39.575	1.1	71	0.00
14		1,2-Dichlorobenzene	40.000	39.166	2.1	70	0.00
15		Benzyl Alcohol	40.000	37.193	7.0	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.991	15.0	60	0.00
17		2-Methylphenol	40.000	36.976	7.6	65	0.00
18		Hexachloroethane	40.000	38.915	2.7	68	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.813	13.0	63	0.00
20		3+4-Methylphenols	40.000	36.741	8.1	65	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	38.819	3.0	67	0.00
23	S	Nitrobenzene-d5	80.000	84.348	-5.4	69	0.00
24		Nitrobenzene	40.000	40.387	-1.0	67	0.00
25		Isophorone	40.000	37.663	5.8	64	0.00
26	C	2-Nitrophenol	40.000	44.001	-10.0	70	0.00
27		2,4-Dimethylphenol	40.000	37.214	7.0	63	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.905	5.2	65	0.00
29	C	2,4-Dichlorophenol	40.000	39.370	1.6	67	0.00
30		1,2,4-Trichlorobenzene	40.000	40.725	-1.8	68	0.00
31		Naphthalene	40.000	39.859	0.4	68	0.00
32		Benzoic acid	40.000	38.864	2.8	65	0.00
33		4-Chloroaniline	40.000	39.027	2.4	66	0.00
34	C	Hexachlorobutadiene	40.000	41.486	-3.7	70	0.00
35		Caprolactam	40.000	39.090	2.3	65	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.183	2.0	66	0.00
37		2-Methylnaphthalene	40.000	39.160	2.1	67	0.00
38		1-Methylnaphthalene	40.000	39.059	2.4	67	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	66	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.156	-2.9	69	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.599	-1.5	64	0.00
42	S	2,4,6-Tribromophenol	80.000	87.205	-9.0	72	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.204	2.0	64	0.00
44		2,4,5-Trichlorophenol	40.000	42.019	-5.0	69	0.00
45	S	2-Fluorobiphenyl	80.000	80.059	-0.1	69	0.00
46		1,1'-Biphenyl	40.000	39.976	0.1	67	0.00
47		2-Chloronaphthalene	40.000	40.256	-0.6	68	0.00

Sample Results: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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	43.726	-9.3	68	0.00
49		Acenaphthylene	40.000	40.178	-0.4	67	0.00
50		Dimethylphthalate	40.000	39.467	1.3	66	0.00
51		2,6-Dinitrotoluene	40.000	43.043	-7.6	69	0.00
52	C	Acenaphthene	40.000	40.337	-0.8	67	0.00
53		3-Nitroaniline	40.000	42.788	-7.0	68	0.00
54	P	2,4-Dinitrophenol	40.000	47.791	-19.5	83	0.00
55		Dibenzofuran	40.000	39.650	0.9	67	0.00
56	P	4-Nitrophenol	40.000	42.861	-7.2	66	0.00
57		2,4-Dinitrotoluene	40.000	46.215	-15.5	72	0.00
58		Fluorene	40.000	40.101	-0.3	69	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.748	-1.9	68	0.00
60		Diethylphthalate	40.000	38.622	3.4	65	0.00
61		4-Chlorophenyl-phenylether	40.000	40.136	-0.3	68	0.00
62		4-Nitroaniline	40.000	44.006	-10.0	70	0.00
63		Azobenzene	40.000	36.919	7.7	61	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	68	0.00
65		4,6-Dinitro-2-methylphenol	40.000	51.213	-28.0#	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.193	4.5	65	0.00
67		4-Bromophenyl-phenylether	40.000	39.222	1.9	68	0.00
68		Hexachlorobenzene	40.000	40.149	-0.4	69	0.00
69		Atrazine	40.000	38.590	3.5	61	0.00
70	C	Pentachlorophenol	40.000	43.242	-8.1	68	0.00
71		Phenanthrene	40.000	38.651	3.4	67	0.00
72		Anthracene	40.000	39.105	2.2	67	0.00
73		Carbazole	40.000	38.824	2.9	67	0.00
74		Di-n-butylphthalate	40.000	38.208	4.5	64	0.00
75	C	Fluoranthene	40.000	40.418	-1.0	70	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	70	0.00
77		Benzidine	40.000	54.904	-37.3#	86	0.00
78		Pyrene	40.000	41.378	-3.4	70	0.00
79	S	Terphenyl-d14	80.000	81.965	-2.5	71	0.00
80		Butylbenzylphthalate	40.000	41.996	-5.0	69	0.00
81		Benzo(a)anthracene	40.000	40.293	-0.7	69	0.00
82		3,3'-Dichlorobenzidine	40.000	43.096	-7.7	74	0.00
83		Chrysene	40.000	38.784	3.0	69	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.182	-3.0	68	0.00
85	c	Di-n-octyl phthalate	40.000	33.379	16.6	55	0.00
86	I	Perylene-d12	20.000	20.000	0.0	65	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.509	-1.3	62	0.01
88		Benzo(b)fluoranthene	40.000	37.874	5.3	62	0.00
89		Benzo(k)fluoranthene	40.000	40.470	-1.2	64	0.00
90	C	Benzo(a)pyrene	40.000	40.409	-1.0	64	0.00
91		Dibenzo(a,h)anthracene	40.000	39.886	0.3	62	0.00
92		Benzo(g,h,i)perylene	40.000	41.435	-3.6	64	0.00

Sample Results: **BF140050.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140050.D
Acq On : 26 Oct 2024 10:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 01:04:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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

Raw Data: **BM048211.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/24/2024 11:11

Lab File ID: BM048211.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.190	1.228		3.2	
Benzaldehyde	0.761	0.734		-3.5	
Phenol-d6	1.550	1.554		0.3	
Phenol	1.559	1.569		0.6	20.0
bis(2-Chloroethyl)ether	1.242	1.263		1.7	
2-Chlorophenol	1.293	1.306		1.0	
2-Methylphenol	1.036	1.046		1.0	
2,2-oxybis(1-Chloropropane)	1.816	1.809		-0.4	
Acetophenone	0.488	0.486		-0.4	
3+4-Methylphenols	1.435	1.436		0.1	
n-Nitroso-di-n-propylamine	0.980	0.948	0.050	-3.3	
Nitrobenzene-d5	0.354	0.357		0.8	
Hexachloroethane	0.555	0.560		0.9	
Nitrobenzene	0.367	0.370		0.8	
Isophorone	0.649	0.635		-2.2	
2-Nitrophenol	0.169	0.177		4.7	20.0
2,4-Dimethylphenol	0.206	0.208		1.0	
bis(2-Chloroethoxy)methane	0.411	0.416		1.2	
2,4-Dichlorophenol	0.296	0.311		5.1	20.0
Naphthalene	1.043	1.067		2.3	
4-Chloroaniline	0.338	0.365		8.0	
Hexachlorobutadiene	0.210	0.218		3.8	20.0
Caprolactam	0.096	0.095		-1.0	
4-Chloro-3-methylphenol	0.309	0.312		1.0	20.0
2-Methylnaphthalene	0.697	0.706		1.3	
Hexachlorocyclopentadiene	0.193	0.205	0.050	6.2	
2,4,6-Trichlorophenol	0.379	0.399		5.3	20.0
2-Fluorobiphenyl	1.303	1.338		2.7	
2,4,5-Trichlorophenol	0.423	0.437		3.3	
1,1-Biphenyl	1.428	1.466		2.7	
2-Chloronaphthalene	1.126	1.160		3.0	
2-Nitroaniline	0.305	0.318		4.3	
Dimethylphthalate	1.365	1.373		0.6	
Acenaphthylene	1.643	1.687		2.7	
2,6-Dinitrotoluene	0.305	0.315		3.3	
3-Nitroaniline	0.287	0.318		10.8	
Acenaphthene	1.044	1.059		1.4	20.0
2,4-Dinitrophenol	0.178	0.184	0.050	3.4	
4-Nitrophenol	0.256	0.264	0.050	3.1	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/24/2024 11:11

Lab File ID: BM048211.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.658	1.689		1.9	
2,4-Dinitrotoluene	0.402	0.425		5.7	
Diethylphthalate	1.382	1.391		0.7	
4-Chlorophenyl-phenylether	0.656	0.673		2.6	
Fluorene	1.311	1.335		1.8	
4-Nitroaniline	0.297	0.327		10.1	
4,6-Dinitro-2-methylphenol	0.116	0.129		11.2	
n-Nitrosodiphenylamine	0.549	0.570		3.8	20.0
2,4,6-Tribromophenol	0.245	0.251		2.4	
4-Bromophenyl-phenylether	0.203	0.209		3.0	
Hexachlorobenzene	0.244	0.251		2.9	
Atrazine	0.154	0.154		0.0	
Pentachlorophenol	0.160	0.171		6.9	20.0
Phenanthrene	0.990	1.012		2.2	
Anthracene	0.959	0.994		3.7	
Carbazole	0.940	0.981		4.4	
Di-n-butylphthalate	1.170	1.227		4.9	
Fluoranthene	1.181	1.202		1.8	20.0
Pyrene	1.339	1.394		4.1	
Terphenyl-d14	0.980	1.013		3.4	
Butylbenzylphthalate	0.560	0.598		6.8	
3,3-Dichlorobenzidine	0.438	0.458		4.6	
Benzo(a)anthracene	1.278	1.318		3.1	
Chrysene	1.227	1.249		1.8	
Bis(2-ethylhexyl)phthalate	0.814	0.870		6.9	
Di-n-octyl phthalate	1.409	1.494		6.0	20.0
Benzo(b)fluoranthene	1.147	1.188		3.6	
Benzo(k)fluoranthene	1.109	1.158		4.4	
Benzo(a)pyrene	0.997	1.039		4.2	20.0
Indeno(1,2,3-cd)pyrene	1.323	1.371		3.6	
Dibenzo(a,h)anthracene	1.101	1.147		4.2	
Benzo(g,h,i)perylene	1.128	1.164		3.2	
1,2,4,5-Tetrachlorobenzene	0.572	0.590		3.1	
1,4-Dioxane	0.487	0.489		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.351	0.360		2.6	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BM048211.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048211.D
Acq On : 24 Oct 2024 11:11
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 12:35:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	116	0.00
2		1,4-Dioxane	0.487	0.489	-0.4	113	0.00
3		Pyridine	1.294	1.337	-3.3	117	0.00
4		n-Nitrosodimethylamine	0.549	0.569	-3.6	115	0.00
5	S	2-Fluorophenol	1.190	1.228	-3.2	117	0.00
6		Aniline	1.286	1.347	-4.7	113	0.00
7	S	Phenol-d6	1.550	1.554	-0.3	113	0.00
8		2-Chlorophenol	1.293	1.306	-1.0	115	0.00
9		Benzaldehyde	0.761	0.734	3.5	112	0.00
10	C	Phenol	1.559	1.569	-0.6	114	0.00
11		bis(2-Chloroethyl)ether	1.242	1.263	-1.7	114	0.00
12		1,3-Dichlorobenzene	1.490	1.521	-2.1	117	0.00
13	C	1,4-Dichlorobenzene	1.514	1.547	-2.2	118	0.00
14		1,2-Dichlorobenzene	1.463	1.483	-1.4	116	0.00
15		Benzyl Alcohol	0.989	0.993	-0.4	110	0.00
16		2,2'-oxybis(1-Chloropropane	1.816	1.809	0.4	114	0.00
17		2-Methylphenol	1.036	1.046	-1.0	114	0.00
18		Hexachloroethane	0.555	0.560	-0.9	115	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.948	3.3	109	0.00
20		3+4-Methylphenols	1.435	1.436	-0.1	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00
22		Acetophenone	0.488	0.486	0.4	111	0.00
23	S	Nitrobenzene-d5	0.354	0.357	-0.8	111	0.00
24		Nitrobenzene	0.367	0.370	-0.8	112	0.00
25		Isophorone	0.649	0.635	2.2	108	0.00
26	C	2-Nitrophenol	0.169	0.177	-4.7	112	0.00
27		2,4-Dimethylphenol	0.206	0.208	-1.0	111	0.00
28		bis(2-Chloroethoxy)methane	0.411	0.416	-1.2	111	0.00
29	C	2,4-Dichlorophenol	0.296	0.311	-5.1	114	0.00
30		1,2,4-Trichlorobenzene	0.339	0.353	-4.1	117	0.00
31		Naphthalene	1.043	1.067	-2.3	115	0.00
32		Benzoic acid	0.229	0.229	0.0	105	0.00
33		4-Chloroaniline	0.338	0.365	-8.0	111	0.00
34	C	Hexachlorobutadiene	0.210	0.218	-3.8	117	0.00
35		Caprolactam	0.096	0.095	1.0	105	0.00
36	C	4-Chloro-3-methylphenol	0.309	0.312	-1.0	110	0.00
37		2-Methylnaphthalene	0.697	0.706	-1.3	113	0.00
38		1-Methylnaphthalene	0.691	0.695	-0.6	112	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00
40		1,2,4,5-Tetrachlorobenzene	0.572	0.590	-3.1	112	0.00
41	P	Hexachlorocyclopentadiene	0.193	0.205	-6.2	112	0.00
42	S	2,4,6-Tribromophenol	0.245	0.251	-2.4	107	0.00
43	C	2,4,6-Trichlorophenol	0.379	0.399	-5.3	111	0.00
44		2,4,5-Trichlorophenol	0.423	0.437	-3.3	109	0.00
45	S	2-Fluorobiphenyl	1.303	1.338	-2.7	110	0.00
46		1,1'-Biphenyl	1.428	1.466	-2.7	111	0.00
47		2-Chloronaphthalene	1.126	1.160	-3.0	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048211.D
Acq On : 24 Oct 2024 11:11
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 12:35:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	0.305	0.318	-4.3	106	0.00
49		Acenaphthylene	1.643	1.687	-2.7	110	0.00
50		Dimethylphthalate	1.365	1.373	-0.6	108	0.00
51		2,6-Dinitrotoluene	0.305	0.315	-3.3	108	0.00
52	C	Acenaphthene	1.044	1.059	-1.4	110	0.00
53		3-Nitroaniline	0.287	0.318	-10.8	109	0.00
54	P	2,4-Dinitrophenol	0.178	0.184	-3.4	108	0.00
55		Dibenzofuran	1.658	1.689	-1.9	109	0.00
56	P	4-Nitrophenol	0.256	0.264	-3.1	105	0.00
57		2,4-Dinitrotoluene	0.402	0.425	-5.7	107	0.00
58		Fluorene	1.311	1.335	-1.8	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.351	0.360	-2.6	107	0.00
60		Diethylphthalate	1.382	1.391	-0.7	108	0.00
61		4-Chlorophenyl-phenylether	0.656	0.673	-2.6	110	0.00
62		4-Nitroaniline	0.297	0.327	-10.1	106	0.00
63		Azobenzene	1.239	1.278	-3.1	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00
65		4,6-Dinitro-2-methylphenol	0.116	0.129	-11.2	106	0.00
66	c	n-Nitrosodiphenylamine	0.549	0.570	-3.8	107	0.00
67		4-Bromophenyl-phenylether	0.203	0.209	-3.0	107	0.00
68		Hexachlorobenzene	0.244	0.251	-2.9	107	0.00
69		Atrazine	0.154	0.154	0.0	89	0.00
70	C	Pentachlorophenol	0.160	0.171	-6.9	106	0.00
71		Phenanthrene	0.990	1.012	-2.2	106	0.00
72		Anthracene	0.959	0.994	-3.6	106	0.00
73		Carbazole	0.940	0.981	-4.4	105	0.00
74		Di-n-butylphthalate	1.170	1.227	-4.9	106	0.00
75	C	Fluoranthene	1.181	1.202	-1.8	105	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.231	0.372	-61.0#	111	0.00
78		Pyrene	1.339	1.394	-4.1	105	0.00
79	S	Terphenyl-d14	0.980	1.013	-3.4	103	0.00
80		Butylbenzylphthalate	0.560	0.598	-6.8	104	0.00
81		Benzo(a)anthracene	1.278	1.318	-3.1	104	0.00
82		3,3'-Dichlorobenzidine	0.438	0.458	-4.6	99	0.00
83		Chrysene	1.227	1.249	-1.8	103	0.00
84		Bis(2-ethylhexyl)phthalate	0.814	0.870	-6.9	103	0.00
85	c	Di-n-octyl phthalate	1.409	1.494	-6.0	103	0.00
86	I	Perylene-d12	1.000	1.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	1.323	1.371	-3.6	102	0.00
88		Benzo(b)fluoranthene	1.147	1.188	-3.6	103	0.00
89		Benzo(k)fluoranthene	1.109	1.158	-4.4	103	0.00
90	C	Benzo(a)pyrene	0.997	1.039	-4.2	103	0.00
91		Dibenzo(a,h)anthracene	1.101	1.147	-4.2	102	-0.01
92		Benzo(g,h,i)perylene	1.128	1.164	-3.2	103	-0.02

Sample Results: **BM048211.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048211.D
Acq On : 24 Oct 2024 11:11
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 12:35:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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: **BM048211.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048211.D
Acq On : 24 Oct 2024 11:11
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 12:35:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	116	0.00
2		1,4-Dioxane	40.000	40.151	-0.4	113	0.00
3		Pyridine	40.000	41.330	-3.3	117	0.00
4		n-Nitrosodimethylamine	40.000	41.411	-3.5	115	0.00
5	S	2-Fluorophenol	80.000	82.582	-3.2	117	0.00
6		Aniline	40.000	41.906	-4.8	113	0.00
7	S	Phenol-d6	80.000	80.214	-0.3	113	0.00
8		2-Chlorophenol	40.000	40.403	-1.0	115	0.00
9		Benzaldehyde	40.000	38.579	3.6	112	0.00
10	C	Phenol	40.000	40.265	-0.7	114	0.00
11		bis(2-Chloroethyl)ether	40.000	40.673	-1.7	114	0.00
12		1,3-Dichlorobenzene	40.000	40.812	-2.0	117	0.00
13	C	1,4-Dichlorobenzene	40.000	40.870	-2.2	118	0.00
14		1,2-Dichlorobenzene	40.000	40.527	-1.3	116	0.00
15		Benzyl Alcohol	40.000	40.173	-0.4	110	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.836	0.4	114	0.00
17		2-Methylphenol	40.000	40.383	-1.0	114	0.00
18		Hexachloroethane	40.000	40.340	-0.9	115	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.684	3.3	109	0.00
20		3+4-Methylphenols	40.000	40.027	-0.1	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	114	0.00
22		Acetophenone	40.000	39.843	0.4	111	0.00
23	S	Nitrobenzene-d5	80.000	80.557	-0.7	111	0.00
24		Nitrobenzene	40.000	40.350	-0.9	112	0.00
25		Isophorone	40.000	39.139	2.2	108	0.00
26	C	2-Nitrophenol	40.000	41.763	-4.4	112	0.00
27		2,4-Dimethylphenol	40.000	40.459	-1.1	111	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.472	-1.2	111	0.00
29	C	2,4-Dichlorophenol	40.000	42.073	-5.2	114	0.00
30		1,2,4-Trichlorobenzene	40.000	41.704	-4.3	117	0.00
31		Naphthalene	40.000	40.904	-2.3	115	0.00
32		Benzoic acid	40.000	39.970	0.1	105	0.00
33		4-Chloroaniline	40.000	43.162	-7.9	111	0.00
34	C	Hexachlorobutadiene	40.000	41.573	-3.9	117	0.00
35		Caprolactam	40.000	39.528	1.2	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.402	-1.0	110	0.00
37		2-Methylnaphthalene	40.000	40.534	-1.3	113	0.00
38		1-Methylnaphthalene	40.000	40.208	-0.5	112	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	110	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.260	-3.1	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.405	-6.0	112	0.00
42	S	2,4,6-Tribromophenol	80.000	82.055	-2.6	107	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.081	-5.2	111	0.00
44		2,4,5-Trichlorophenol	40.000	41.290	-3.2	109	0.00
45	S	2-Fluorobiphenyl	80.000	82.152	-2.7	110	0.00
46		1,1'-Biphenyl	40.000	41.053	-2.6	111	0.00
47		2-Chloronaphthalene	40.000	41.195	-3.0	111	0.00

Sample Results: **BM048211.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048211.D
Acq On : 24 Oct 2024 11:11
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 12:35:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	41.638	-4.1	106	0.00
49		Acenaphthylene	40.000	41.088	-2.7	110	0.00
50		Dimethylphthalate	40.000	40.215	-0.5	108	0.00
51		2,6-Dinitrotoluene	40.000	41.379	-3.4	108	0.00
52	C	Acenaphthene	40.000	40.593	-1.5	110	0.00
53		3-Nitroaniline	40.000	44.277	-10.7	109	0.00
54	P	2,4-Dinitrophenol	40.000	41.268	-3.2	108	0.00
55		Dibenzofuran	40.000	40.753	-1.9	109	0.00
56	P	4-Nitrophenol	40.000	41.240	-3.1	105	0.00
57		2,4-Dinitrotoluene	40.000	42.253	-5.6	107	0.00
58		Fluorene	40.000	40.738	-1.8	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.036	-2.6	107	0.00
60		Diethylphthalate	40.000	40.242	-0.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	41.054	-2.6	110	0.00
62		4-Nitroaniline	40.000	43.956	-9.9	106	0.00
63		Azobenzene	40.000	41.244	-3.1	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	107	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.393	-11.0	106	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.515	-3.8	107	0.00
67		4-Bromophenyl-phenylether	40.000	41.136	-2.8	107	0.00
68		Hexachlorobenzene	40.000	41.163	-2.9	107	0.00
69		Atrazine	40.000	40.162	-0.4	89	0.00
70	C	Pentachlorophenol	40.000	42.774	-6.9	106	0.00
71		Phenanthrene	40.000	40.859	-2.1	106	0.00
72		Anthracene	40.000	41.464	-3.7	106	0.00
73		Carbazole	40.000	41.754	-4.4	105	0.00
74		Di-n-butylphthalate	40.000	41.970	-4.9	106	0.00
75	C	Fluoranthene	40.000	40.698	-1.7	105	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	64.389	-61.0#	111	0.00
78		Pyrene	40.000	41.655	-4.1	105	0.00
79	S	Terphenyl-d14	80.000	82.723	-3.4	103	0.00
80		Butylbenzylphthalate	40.000	42.743	-6.9	104	0.00
81		Benzo(a)anthracene	40.000	41.256	-3.1	104	0.00
82		3,3'-Dichlorobenzidine	40.000	41.868	-4.7	99	0.00
83		Chrysene	40.000	40.739	-1.8	103	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.782	-7.0	103	0.00
85	c	Di-n-octyl phthalate	40.000	42.418	-6.0	103	0.00
86	I	Perylene-d12	20.000	20.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.467	-3.7	102	0.00
88		Benzo(b)fluoranthene	40.000	41.448	-3.6	103	0.00
89		Benzo(k)fluoranthene	40.000	41.789	-4.5	103	0.00
90	C	Benzo(a)pyrene	40.000	41.695	-4.2	103	0.00
91		Dibenzo(a,h)anthracene	40.000	41.662	-4.2	102	-0.01
92		Benzo(g,h,i)perylene	40.000	41.271	-3.2	103	-0.02

Sample Results: **BM048211.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048211.D
Acq On : 24 Oct 2024 11:11
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 24 12:35:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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

Raw Data: **BM048228.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/25/2024 08:49

Lab File ID: BM048228.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.190	1.150		-3.4	
Benzaldehyde	0.761	0.656		-13.8	
Phenol-d6	1.550	1.488		-4.0	
Phenol	1.559	1.504		-3.5	20.0
bis(2-Chloroethyl)ether	1.242	1.206		-2.9	
2-Chlorophenol	1.293	1.249		-3.4	
2-Methylphenol	1.036	0.994		-4.1	
2,2-oxybis(1-Chloropropane)	1.816	1.761		-3.0	
Acetophenone	0.488	0.480		-1.6	
3+4-Methylphenols	1.435	1.367		-4.7	
n-Nitroso-di-n-propylamine	0.980	0.926	0.050	-5.5	
Nitrobenzene-d5	0.354	0.351		-0.8	
Hexachloroethane	0.555	0.537		-3.2	
Nitrobenzene	0.367	0.362		-1.4	
Isophorone	0.649	0.616		-5.1	
2-Nitrophenol	0.169	0.167		-1.2	20.0
2,4-Dimethylphenol	0.206	0.201		-2.4	
bis(2-Chloroethoxy)methane	0.411	0.404		-1.7	
2,4-Dichlorophenol	0.296	0.294		-0.7	20.0
Naphthalene	1.043	1.014		-2.8	
4-Chloroaniline	0.338	0.347		2.7	
Hexachlorobutadiene	0.210	0.208		-1.0	20.0
Caprolactam	0.096	0.088		-8.3	
4-Chloro-3-methylphenol	0.309	0.294		-4.9	20.0
2-Methylnaphthalene	0.697	0.672		-3.6	
Hexachlorocyclopentadiene	0.193	0.203	0.050	5.2	
2,4,6-Trichlorophenol	0.379	0.380		0.3	20.0
2-Fluorobiphenyl	1.303	1.310		0.5	
2,4,5-Trichlorophenol	0.423	0.425		0.5	
1,1-Biphenyl	1.428	1.430		0.1	
2-Chloronaphthalene	1.126	1.129		0.3	
2-Nitroaniline	0.305	0.306		0.3	
Dimethylphthalate	1.365	1.301		-4.7	
Acenaphthylene	1.643	1.624		-1.2	
2,6-Dinitrotoluene	0.305	0.299		-2.0	
3-Nitroaniline	0.287	0.295		2.8	
Acenaphthene	1.044	1.027		-1.6	20.0
2,4-Dinitrophenol	0.178	0.163	0.050	-8.4	
4-Nitrophenol	0.256	0.244	0.050	-4.7	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/25/2024 08:49

Lab File ID: BM048228.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.658	1.615		-2.6	
2,4-Dinitrotoluene	0.402	0.396		-1.5	
Diethylphthalate	1.382	1.330		-3.8	
4-Chlorophenyl-phenylether	0.656	0.650		-0.9	
Fluorene	1.311	1.289		-1.7	
4-Nitroaniline	0.297	0.299		0.7	
4,6-Dinitro-2-methylphenol	0.116	0.117		0.9	
n-Nitrosodiphenylamine	0.549	0.548		-0.2	20.0
2,4,6-Tribromophenol	0.245	0.240		-2.0	
4-Bromophenyl-phenylether	0.203	0.201		-1.0	
Hexachlorobenzene	0.244	0.241		-1.2	
Atrazine	0.154	0.143		-7.1	
Pentachlorophenol	0.160	0.163		1.9	20.0
Phenanthrene	0.990	0.970		-2.0	
Anthracene	0.959	0.957		-0.2	
Carbazole	0.940	0.903		-3.9	
Di-n-butylphthalate	1.170	1.145		-2.1	
Fluoranthene	1.181	1.133		-4.1	20.0
Pyrene	1.339	1.344		0.4	
Terphenyl-d14	0.980	1.001		2.1	
Butylbenzylphthalate	0.560	0.554		-1.1	
3,3-Dichlorobenzidine	0.438	0.422		-3.7	
Benzo(a)anthracene	1.278	1.251		-2.1	
Chrysene	1.227	1.200		-2.2	
Bis(2-ethylhexyl)phthalate	0.814	0.808		-0.7	
Di-n-octyl phthalate	1.409	1.351		-4.1	20.0
Benzo(b)fluoranthene	1.147	1.151		0.3	
Benzo(k)fluoranthene	1.109	1.117		0.7	
Benzo(a)pyrene	0.997	0.998		0.1	20.0
Indeno(1,2,3-cd)pyrene	1.323	1.323		0.0	
Dibenzo(a,h)anthracene	1.101	1.112		1.0	
Benzo(g,h,i)perylene	1.128	1.131		0.3	
1,2,4,5-Tetrachlorobenzene	0.572	0.576		0.7	
1,4-Dioxane	0.487	0.470		-3.5	20.0
2,3,4,6-Tetrachlorophenol	0.351	0.345		-1.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	198668	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	777876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	472094	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	925065	20.000	ng	0.00
76) Chrysene-d12	21.333	240	823670	20.000	ng	0.00
86) Perylene-d12	24.280	264	921417	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	913873	77.323	ng	0.00
7) Phenol-d6	6.898	99	1182561	76.830	ng	0.00
23) Nitrobenzene-d5	8.875	82	1091498	79.227	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	453725	78.520	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	2473469	80.398	ng	0.00
79) Terphenyl-d14	19.727	244	3297035	81.688	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.199	88	186553	38.561	ng	98
3) Pyridine	3.604	79	497227m	38.690	ng	
4) n-Nitrosodimethylamine	3.510	42	213168	39.066	ng	100
6) Aniline	7.045	93	512112	40.082	ng	99
8) 2-Chlorophenol	7.287	128	496211	38.645	ng	99
9) Benzaldehyde	6.863	77	260780	34.485	ng	99
10) Phenol	6.922	94	597442	38.580	ng	98
11) bis(2-Chloroethyl)ether	7.145	93	479324	38.860	ng	99
12) 1,3-Dichlorobenzene	7.604	146	576360	38.934	ng	100
13) 1,4-Dichlorobenzene	7.751	146	587019	39.032	ng	100
14) 1,2-Dichlorobenzene	8.069	146	566317	38.963	ng	99
15) Benzyl Alcohol	7.963	79	373755	38.062	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.251	45	699565	38.776	ng	100
17) 2-Methylphenol	8.169	107	395105	38.397	ng	97
18) Hexachloroethane	8.792	117	213243	38.686	ng	97
19) n-Nitroso-di-n-propyla...	8.528	70	367899	37.781	ng	99
20) 3+4-Methylphenols	8.498	107	543256	38.110	ng	99
22) Acetophenone	8.539	105	747089	39.353	ng	99
24) Nitrobenzene	8.916	77	562689	39.420	ng	99
25) Isophorone	9.445	82	958307	37.949	ng	99
26) 2-Nitrophenol	9.628	139	260034	39.454	ng	99
27) 2,4-Dimethylphenol	9.692	122	312372	39.065	ng	98
28) bis(2-Chloroethoxy)met...	9.922	93	628930	39.358	ng	99
29) 2,4-Dichlorophenol	10.163	162	457429	39.766	ng	98
30) 1,2,4-Trichlorobenzene	10.375	180	522858	39.688	ng	100
31) Naphthalene	10.557	128	1577449	38.881	ng	99
32) Benzoic acid	9.851	122	333366	37.454	ng	100
33) 4-Chloroaniline	10.675	127	540182	41.053	ng	99
34) Hexachlorobutadiene	10.845	225	322894	39.546	ng	97
35) Caprolactam	11.463	113	136586	36.554	ng	97
36) 4-Chloro-3-methylphenol	11.810	107	457106	38.067	ng	99
37) 2-Methylnaphthalene	12.175	142	1045891	38.584	ng	99
38) 1-Methylnaphthalene	12.392	142	1036985	38.579	ng	100
40) 1,2,4,5-Tetrachloroben...	12.545	216	543945	40.312	ng	99
41) Hexachlorocyclopentadiene	12.527	237	191808	42.007	ng	99
43) 2,4,6-Trichlorophenol	12.792	196	358425	40.027	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	400850	40.142	ng	98
46) 1,1'-Biphenyl	13.192	154	1350293	40.061	ng	100
47) 2-Chloronaphthalene	13.233	162	1066143	40.116	ng	98
48) 2-Nitroaniline	13.445	65	288787	40.064	ng	99
49) Acenaphthylene	14.080	152	1533748	39.557	ng	99
50) Dimethylphthalate	13.827	163	1227946	38.101	ng	99
51) 2,6-Dinitrotoluene	13.945	165	282686	39.311	ng	99
52) Acenaphthene	14.427	154	969967	39.371	ng	99
53) 3-Nitroaniline	14.274	138	278472	41.063	ng	98
54) 2,4-Dinitrophenol	14.486	184	153992	36.646	ng	98
55) Dibenzofuran	14.763	168	1524772	38.956	ng	100
56) 4-Nitrophenol	14.598	139	230182	38.031	ng	98
57) 2,4-Dinitrotoluene	14.733	165	373629	39.345	ng	98
58) Fluorene	15.410	166	1217184	39.327	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.992	232	325962	39.382	ng	99
60) Diethylphthalate	15.186	149	1255704	38.482	ng	100
61) 4-Chlorophenyl-phenyle...	15.410	204	613446	39.640	ng	96
62) 4-Nitroaniline	15.439	138	282507	40.252	ng	98
63) Azobenzene	15.698	77	1180508	40.365	ng	99
65) 4,6-Dinitro-2-methylph...	15.498	198	217249	40.476	ng	99
66) n-Nitrosodiphenylamine	15.621	169	1014345	39.943	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	371047	39.562	ng	98
68) Hexachlorobenzene	16.415	284	445715	39.568	ng	99
69) Atrazine	16.574	200	264469	37.220	ng	97
70) Pentachlorophenol	16.762	266	301050	40.706	ng	99
71) Phenanthrene	17.145	178	1794361	39.172	ng	100
72) Anthracene	17.239	178	1770027	39.917	ng	99
73) Carbazole	17.509	167	1670084	38.420	ng	100
74) Di-n-butylphthalate	18.074	149	2117547	39.136	ng	100
75) Fluoranthene	19.162	202	2096747	38.373	ng	100
77) Benzidine	19.351	184	473644	49.826	ng	99
78) Pyrene	19.527	202	2213443	40.149	ng	100
80) Butylbenzylphthalate	20.421	149	912468	39.580	ng	94
81) Benzo(a)anthracene	21.315	228	2061561	39.167	ng	100
82) 3,3'-Dichlorobenzidine	21.239	252	695082	38.554	ng	99
83) Chrysene	21.374	228	1977460	39.141	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	1330785	39.716	ng	100
85) Di-n-octyl phthalate	22.350	149	2226021	38.358	ng	100
87) Indeno(1,2,3-cd)pyrene	27.609	276	2438786	40.026	ng	100
88) Benzo(b)fluoranthene	23.350	252	2120628	40.140	ng	100
89) Benzo(k)fluoranthene	23.409	252	2058615	40.303	ng	99
90) Benzo(a)pyrene	24.144	252	1838417	40.027	ng	99
91) Dibenzo(a,h)anthracene	27.656	278	2049310	40.389	ng	100
92) Benzo(g,h,i)perylene	28.638	276	2084671	40.122	ng	98

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

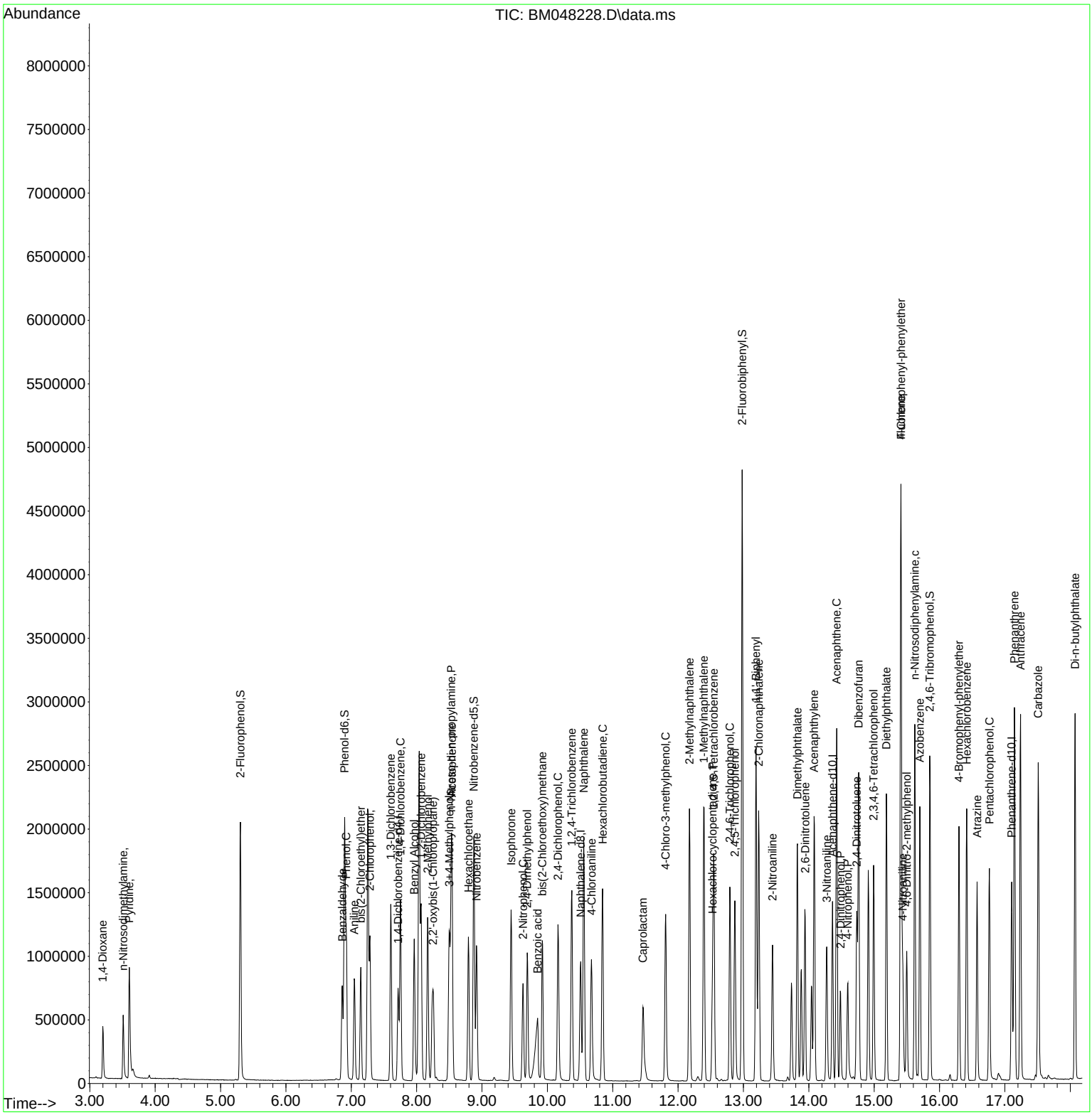
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Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



Sample Results: **BM048228.D**

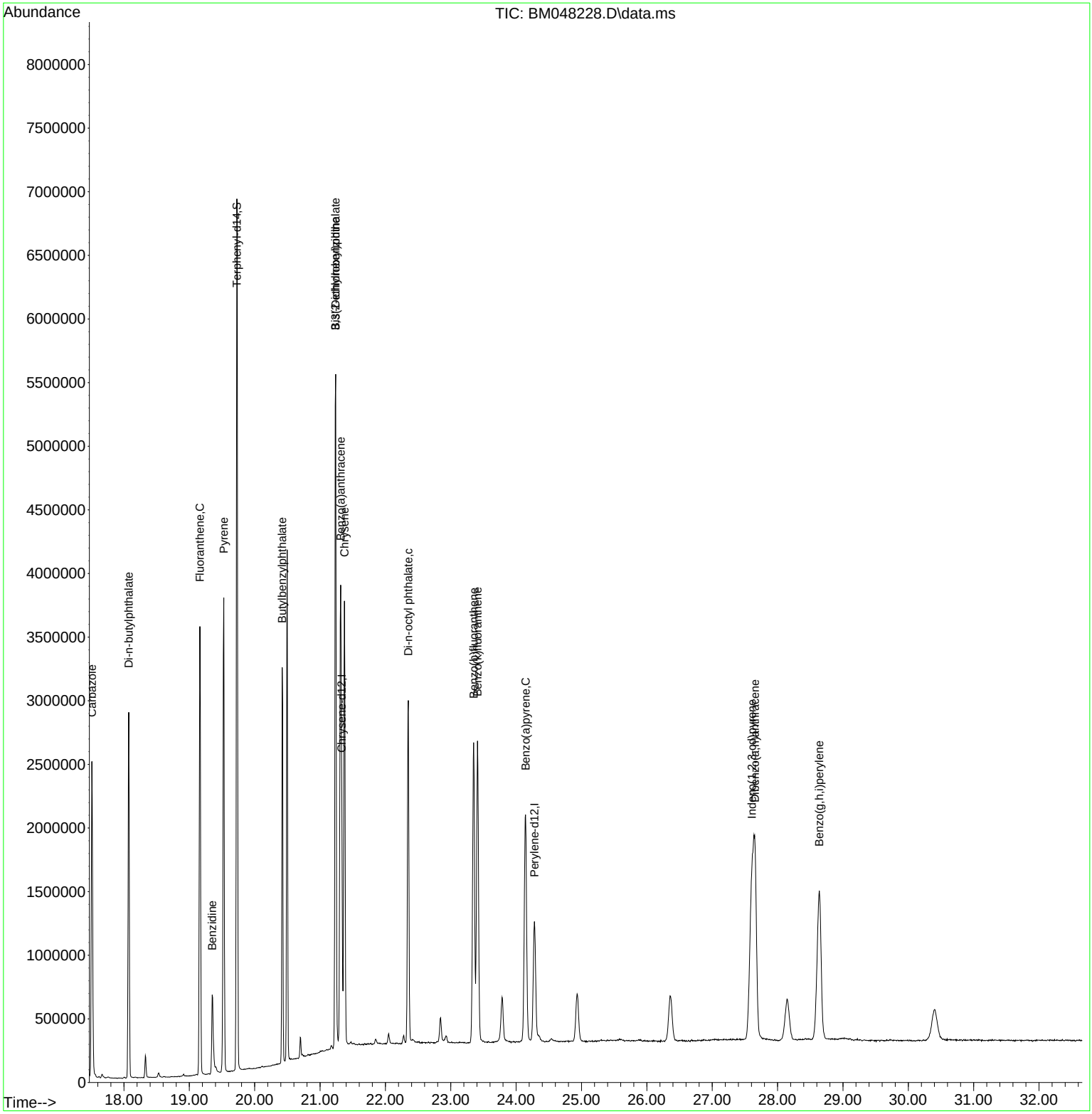
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Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

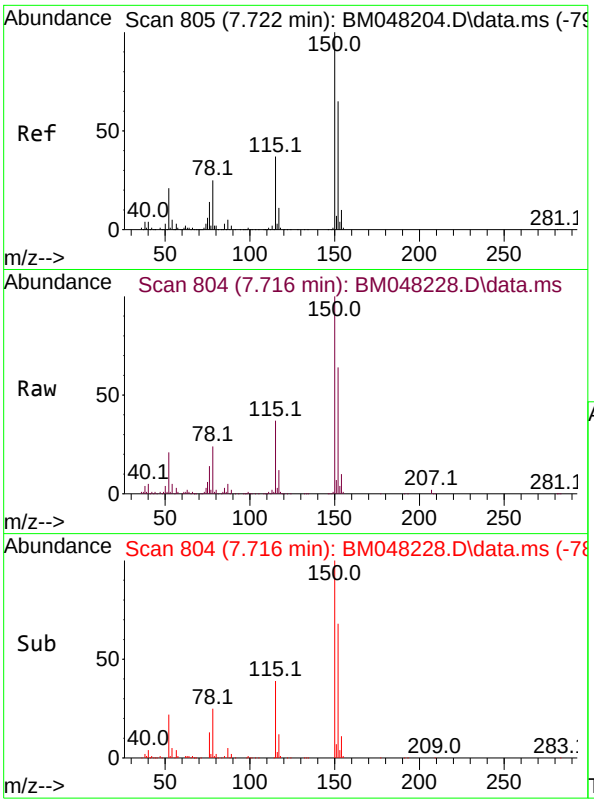
Quant Time: Oct 25 10:48:43 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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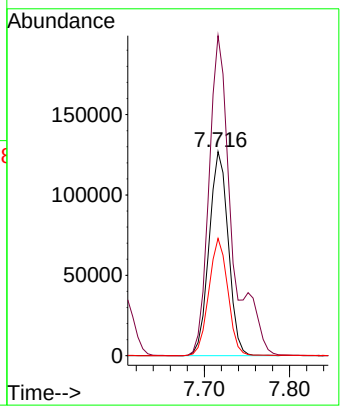




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:152 Resp: 19866

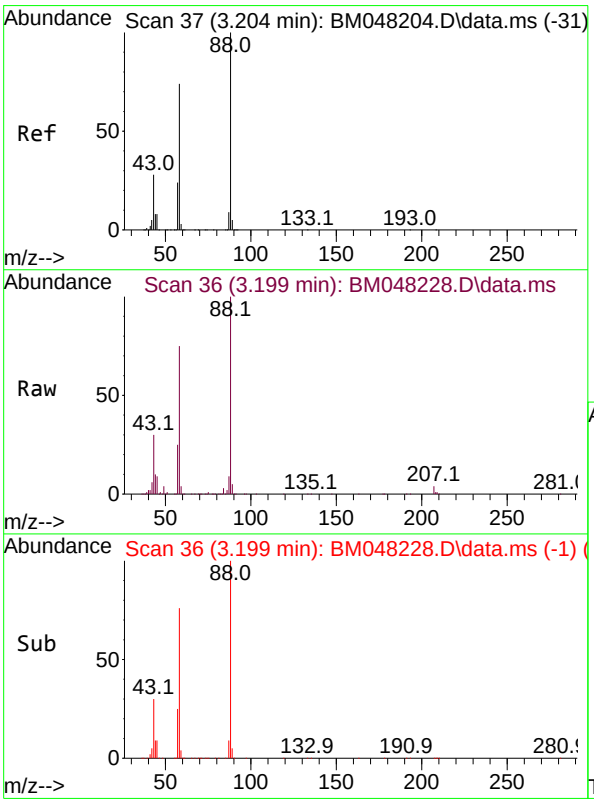
Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.0	184.6
115	57.5	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

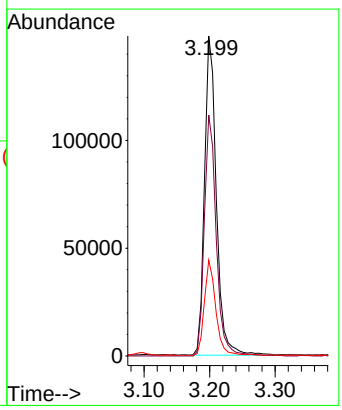
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

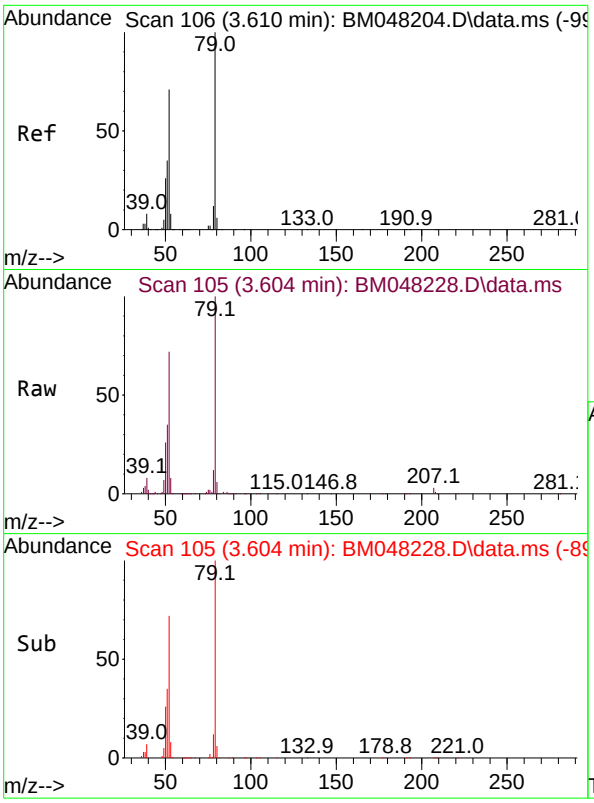


#2
1,4-Dioxane
Concen: 38.561 ng
RT: 3.199 min Scan# 36
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 88 Resp: 186553

Ion	Ratio	Lower	Upper
88	100		
58	76.1	59.7	89.5
43	28.9	22.6	33.8

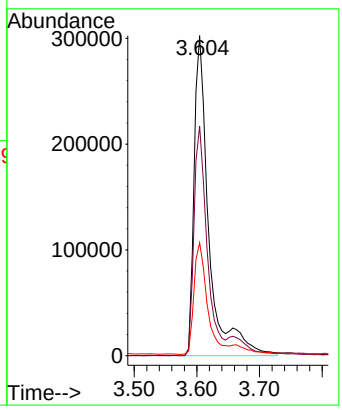




#3
Pyridine
Concen: 38.690 ng m
RT: 3.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 79 Resp: 49722

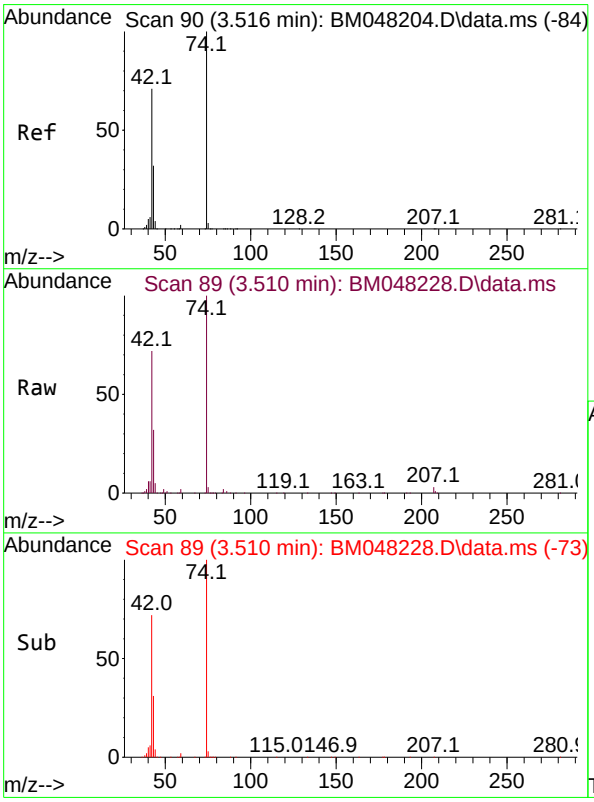
Ion	Ratio	Lower	Upper
79	100		
52	71.7	56.5	84.7
51	35.3	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

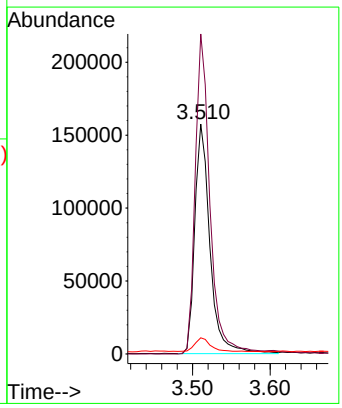
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

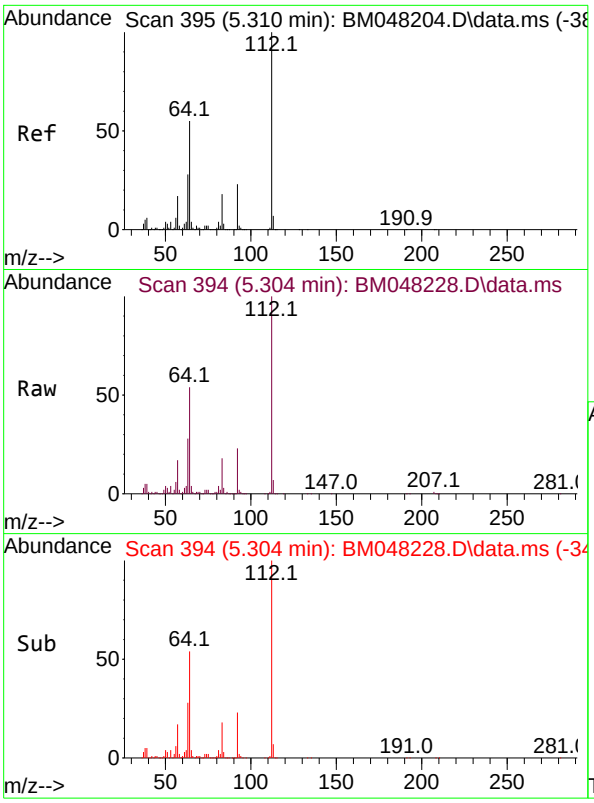


#4
n-Nitrosodimethylamine
Concen: 39.066 ng
RT: 3.510 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 42 Resp: 213168

Ion	Ratio	Lower	Upper
42	100		
74	139.2	111.8	167.6
44	7.0	6.0	9.0

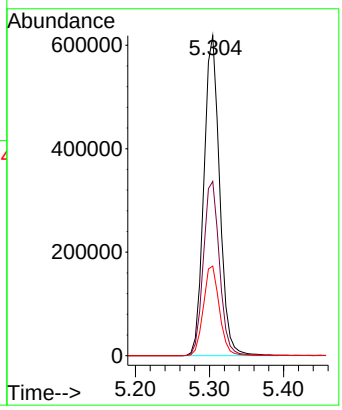




#5
2-Fluorophenol
Concen: 77.323 ng
RT: 5.304 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:112 Resp: 91387

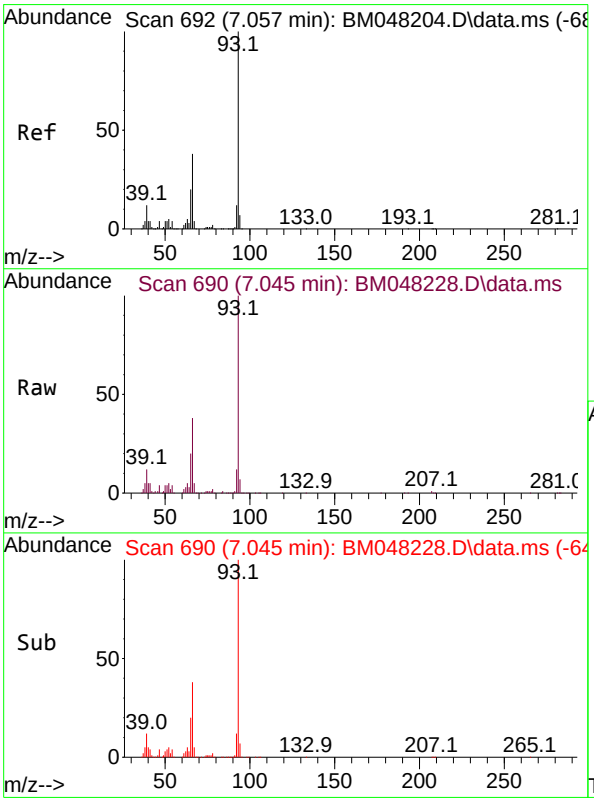
Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.2	66.2
63	28.0	22.7	34.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

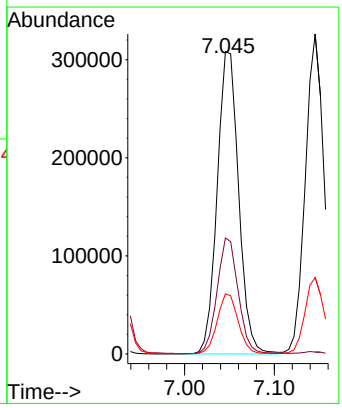
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

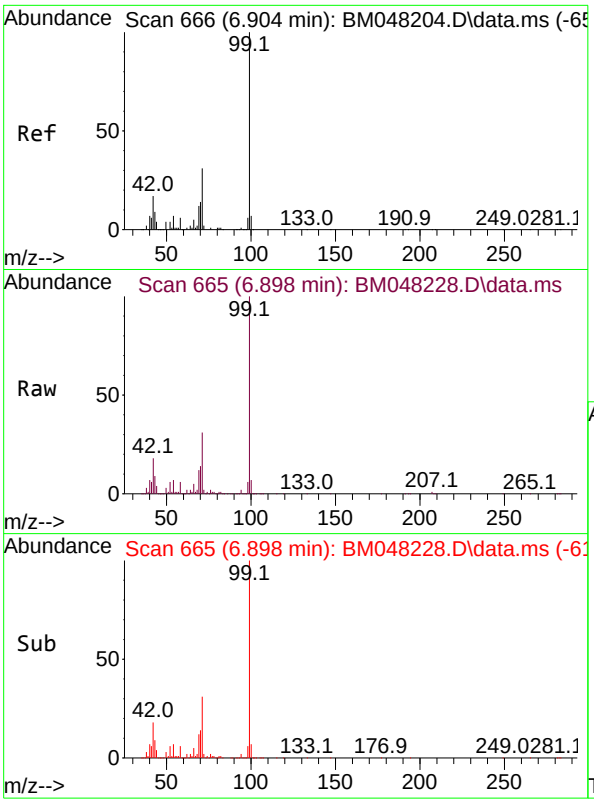


#6
Aniline
Concen: 40.082 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 93 Resp: 512112

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.2	45.2
65	19.9	16.2	24.2

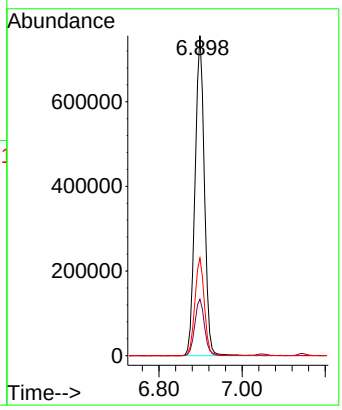




#7
Phenol-d6
Concen: 76.830 ng
RT: 6.898 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 99 Resp: 118256

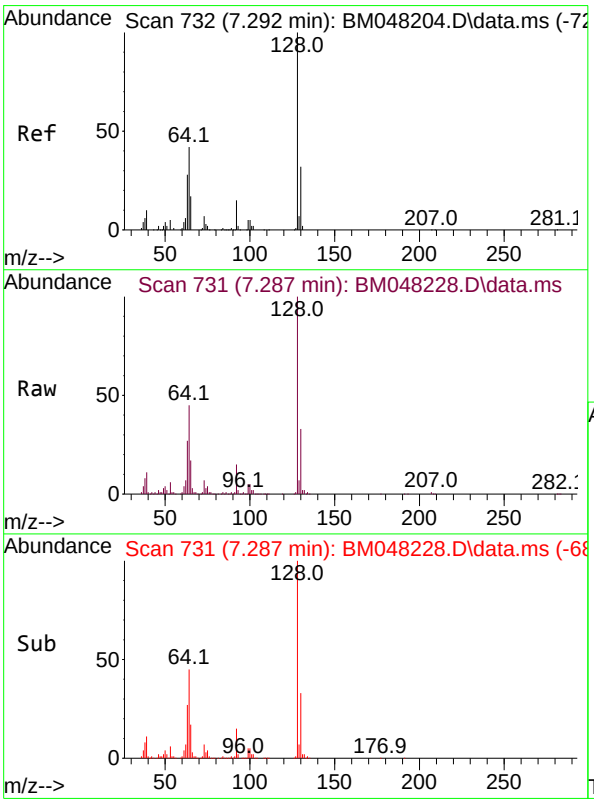
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.8	20.8
71	30.5	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

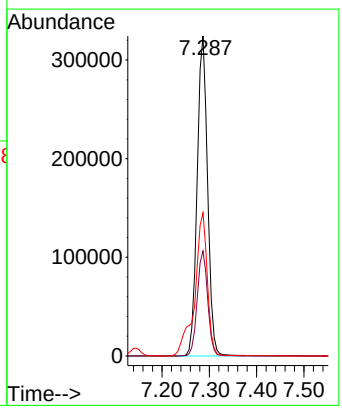
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

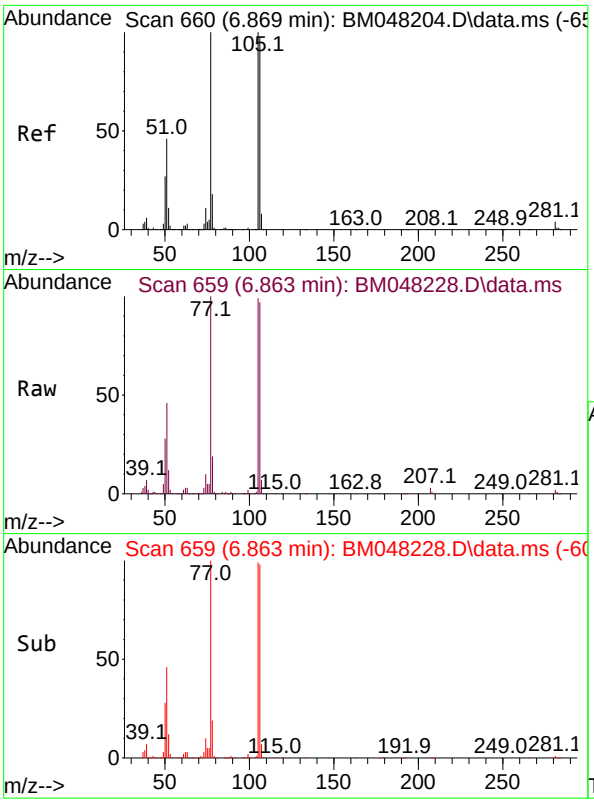


#8
2-Chlorophenol
Concen: 38.645 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:128 Resp: 496211

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.1	52.1
64	44.8	23.8	63.8

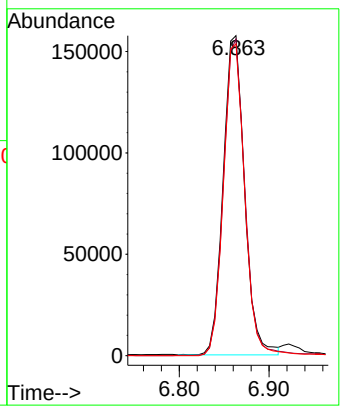




#9
Benzaldehyde
Concen: 34.485 ng
RT: 6.863 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 77 Resp: 26078

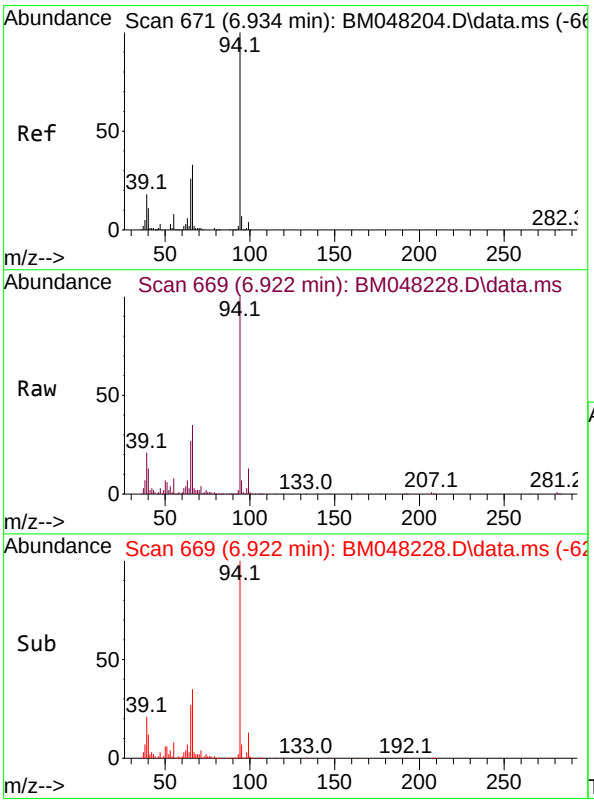
Ion	Ratio	Lower	Upper
77	100		
105	98.9	79.6	119.6
106	97.4	77.0	117.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

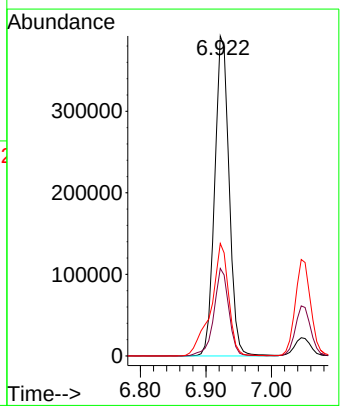
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

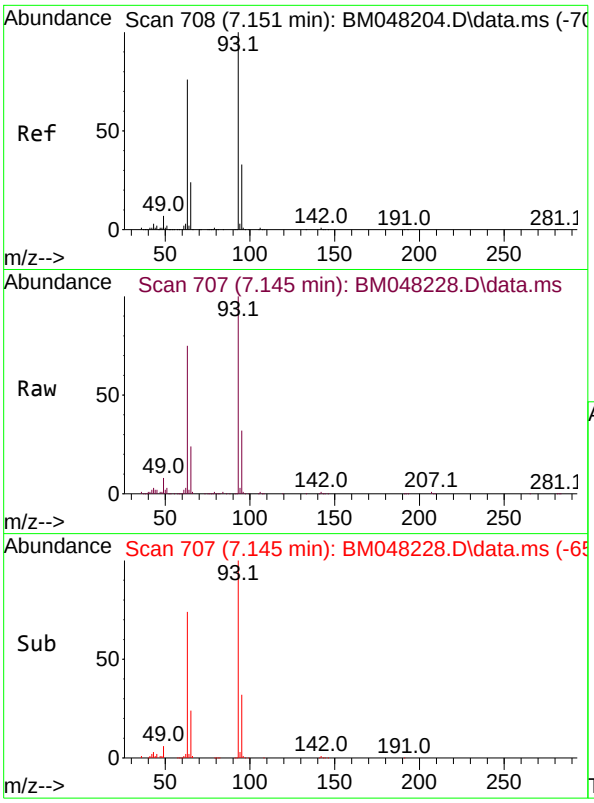


#10
Phenol
Concen: 38.580 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 94 Resp: 597442

Ion	Ratio	Lower	Upper
94	100		
65	27.4	6.5	46.5
66	35.2	13.6	53.6

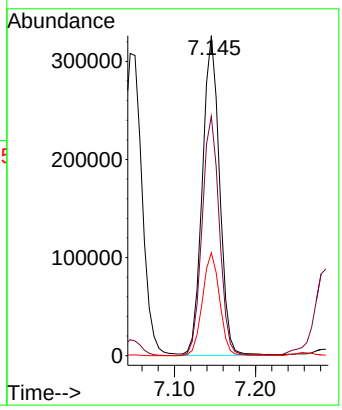




#11
bis(2-Chloroethyl)ether
Concen: 38.860 ng
RT: 7.145 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 93 Resp: 47932

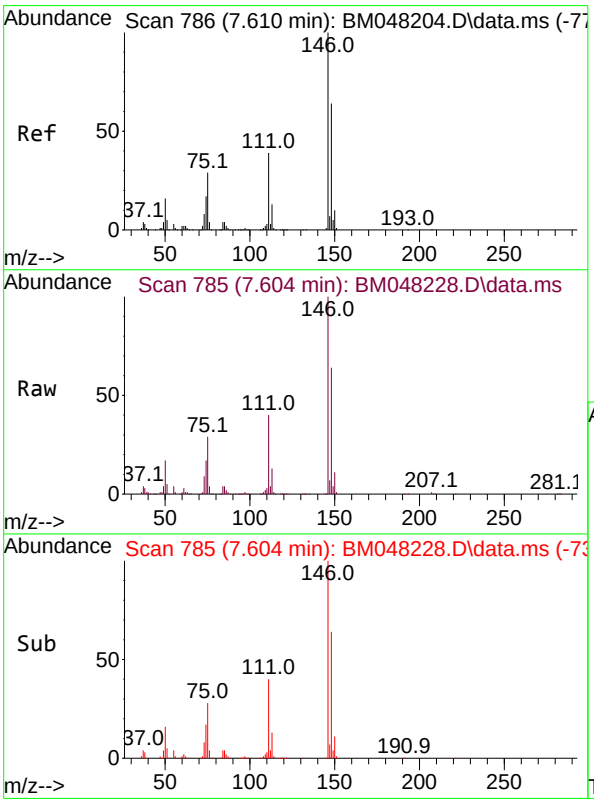
Ion	Ratio	Lower	Upper
93	100		
63	74.8	55.3	95.3
95	32.2	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

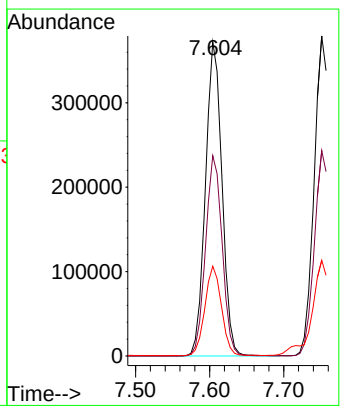
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

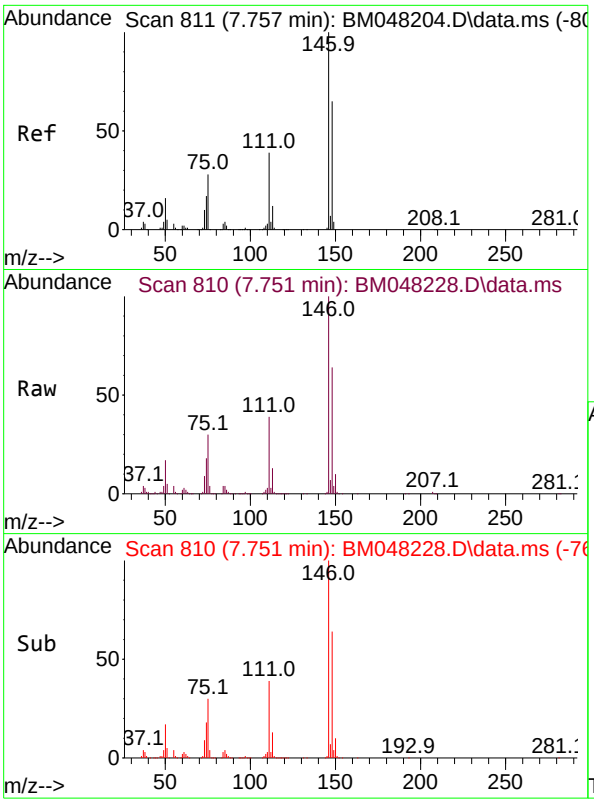


#12
1,3-Dichlorobenzene
Concen: 38.934 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:146 Resp: 576360

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
75	28.6	22.9	34.3

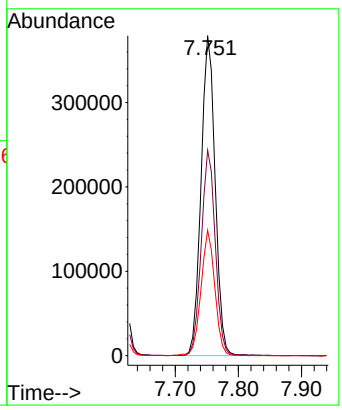




#13
1,4-Dichlorobenzene
Concen: 39.032 ng
RT: 7.751 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:146 Resp: 58701

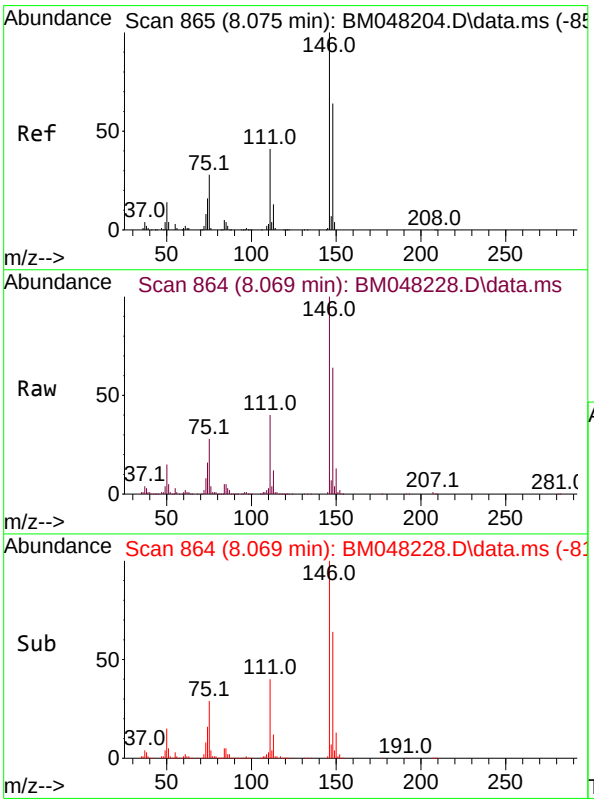
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.7	77.5
111	39.1	31.4	47.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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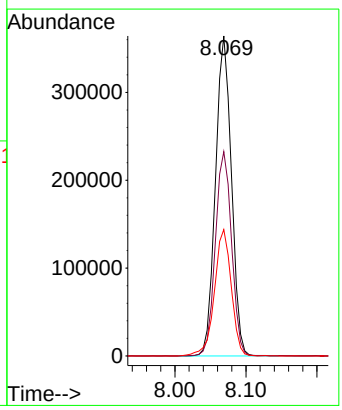
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

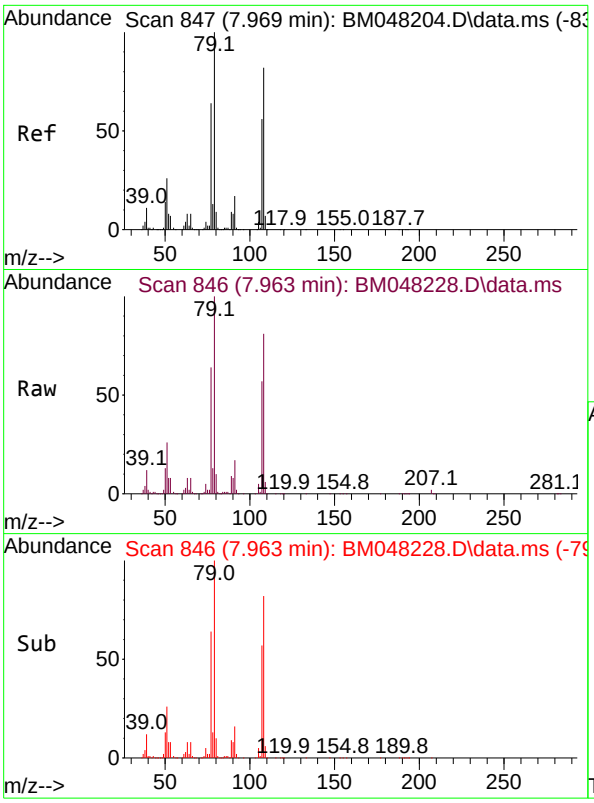


#14
1,2-Dichlorobenzene
Concen: 38.963 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:146 Resp: 566317

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	39.5	32.7	49.1





#15
Benzyl Alcohol
Concen: 38.062 ng
RT: 7.963 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

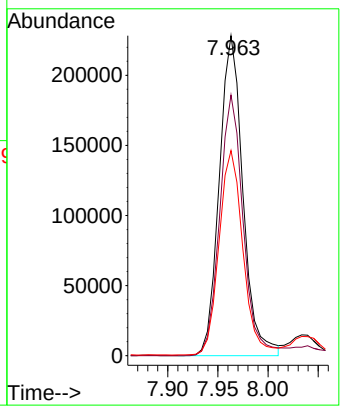
Tgt Ion: 79 Resp: 37375

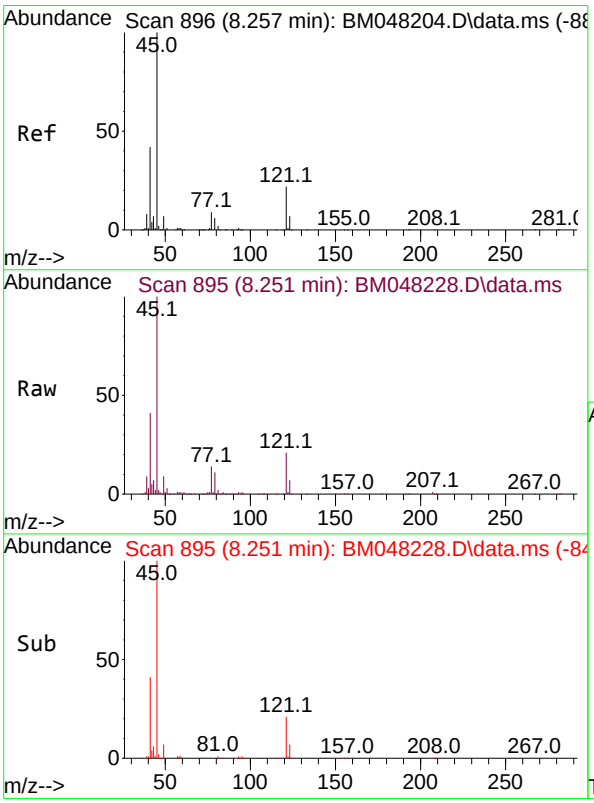
Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.2	97.8
77	64.1	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

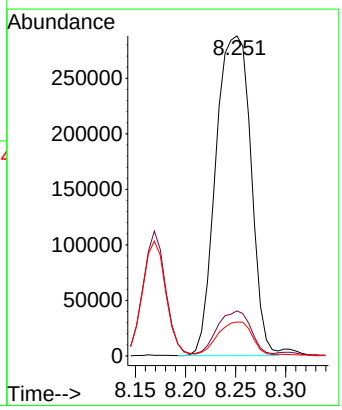


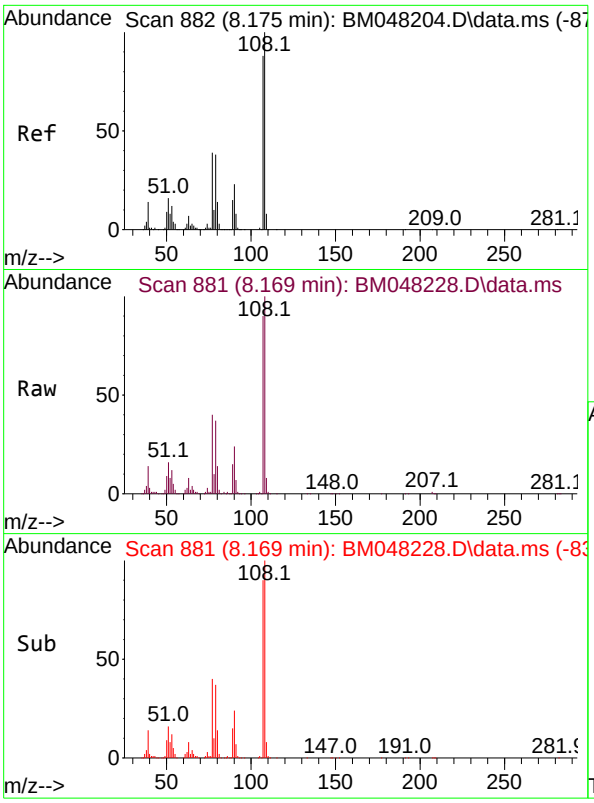


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.776 ng
RT: 8.251 min Scan# 895
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 45 Resp: 699565

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	34.2
79	10.6	0.0	30.7

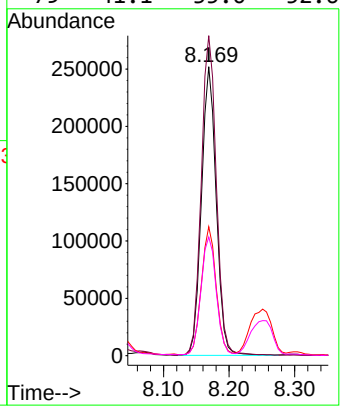




#17
2-Methylphenol
Concen: 38.397 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:107 Resp: 39510

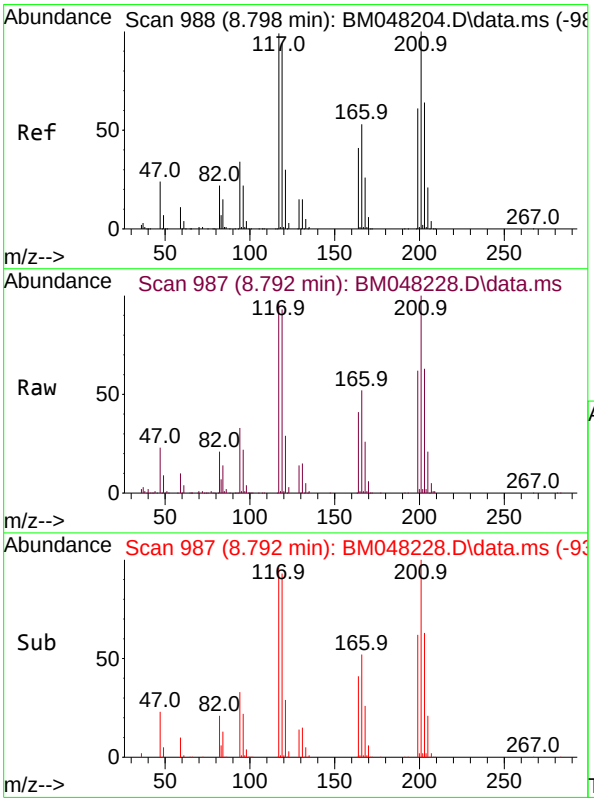
Ion	Ratio	Lower	Upper
107	100		
108	110.7	91.3	136.9
77	44.6	36.2	54.2
79	41.1	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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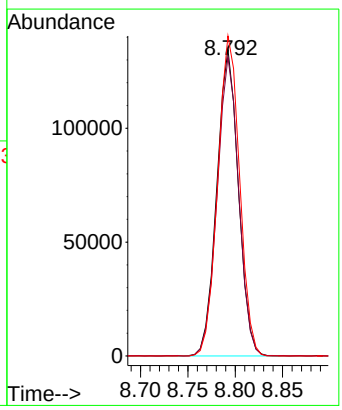
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

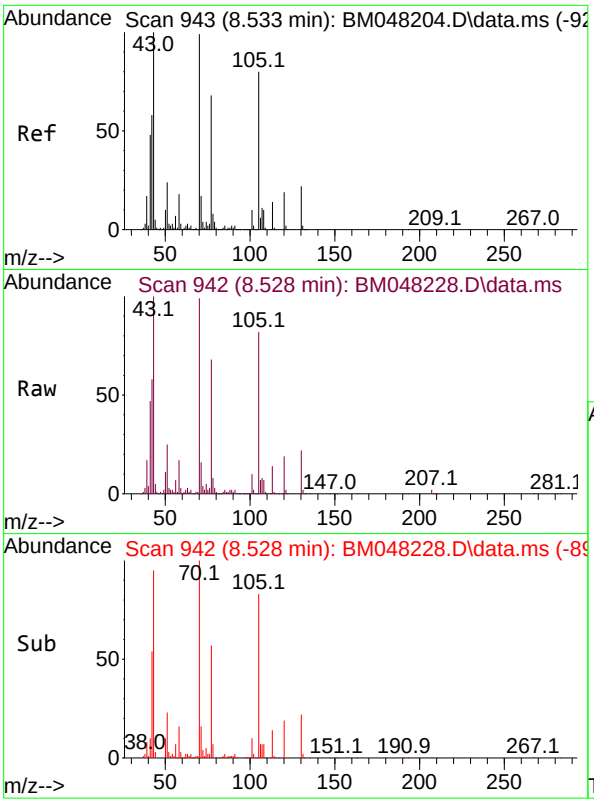


#18
Hexachloroethane
Concen: 38.686 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:117 Resp: 213243

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.5	114.7
201	104.4	80.9	121.3

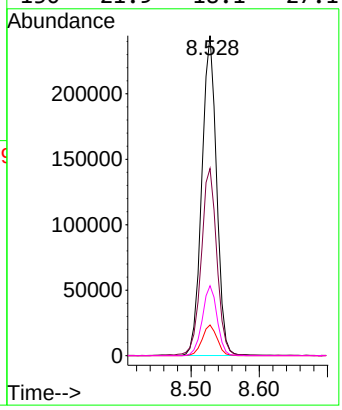




#19
n-Nitroso-di-n-propylamine
Concen: 37.781 ng
RT: 8.528 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 70 Resp: 367899

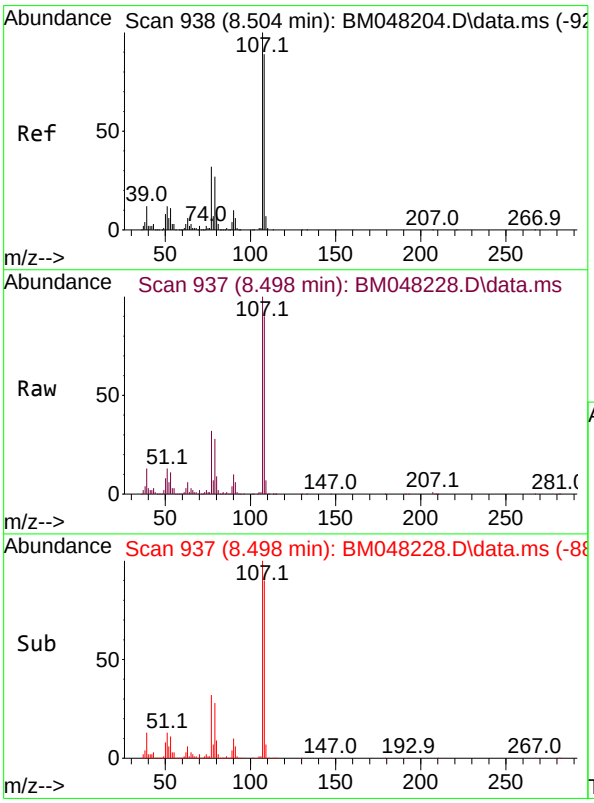
Ion	Ratio	Lower	Upper
70	100		
42	58.5	47.0	70.6
101	9.6	7.8	11.6
130	21.9	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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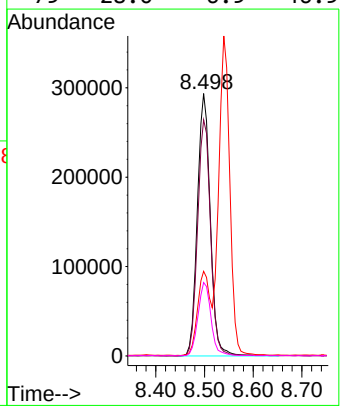
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

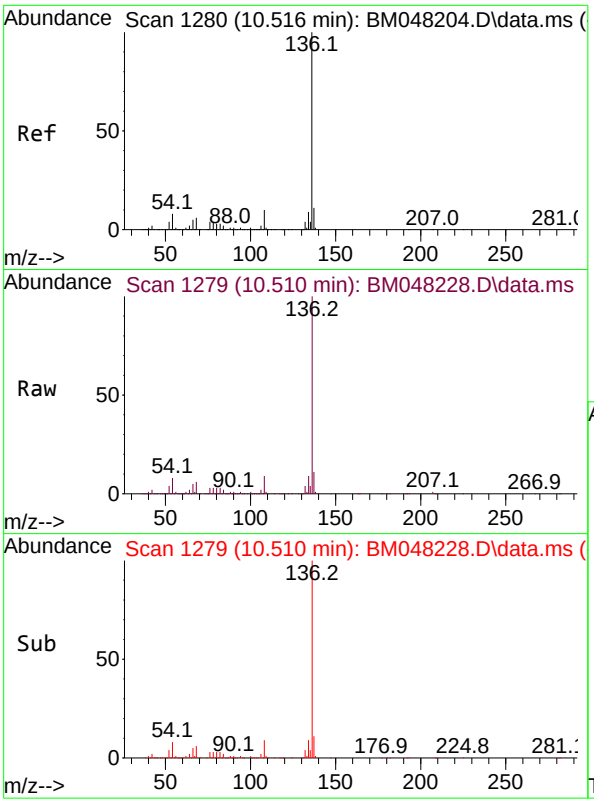


#20
3+4-Methylphenols
Concen: 38.110 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:107 Resp: 543256

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.0	109.0
77	32.3	12.3	52.3
79	28.0	6.9	46.9

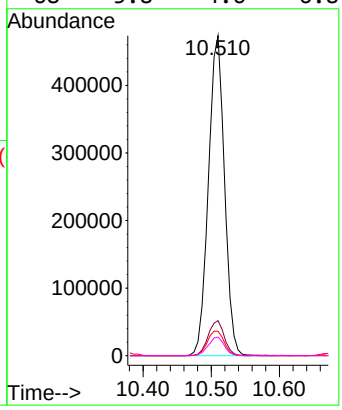




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:136 Resp: 77787

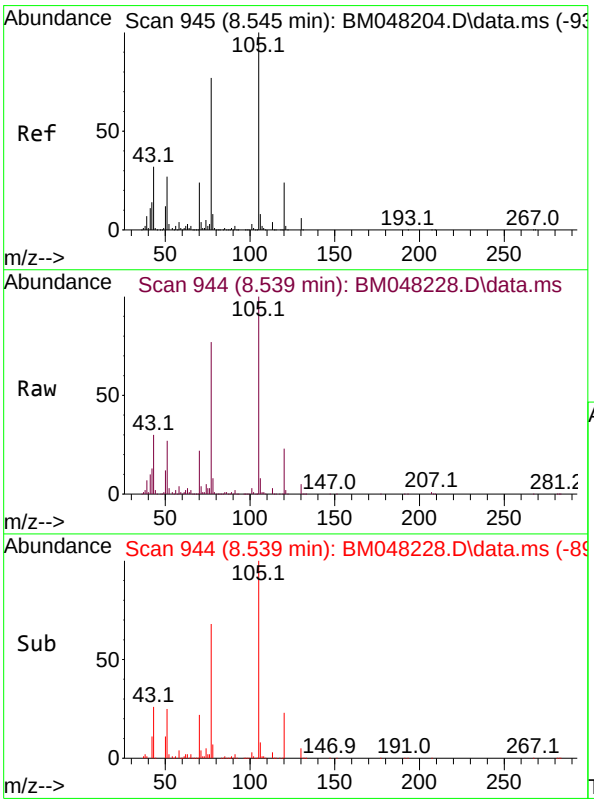
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	6.5	9.7
68	5.8	4.6	6.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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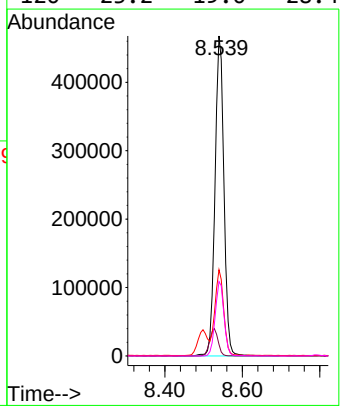
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

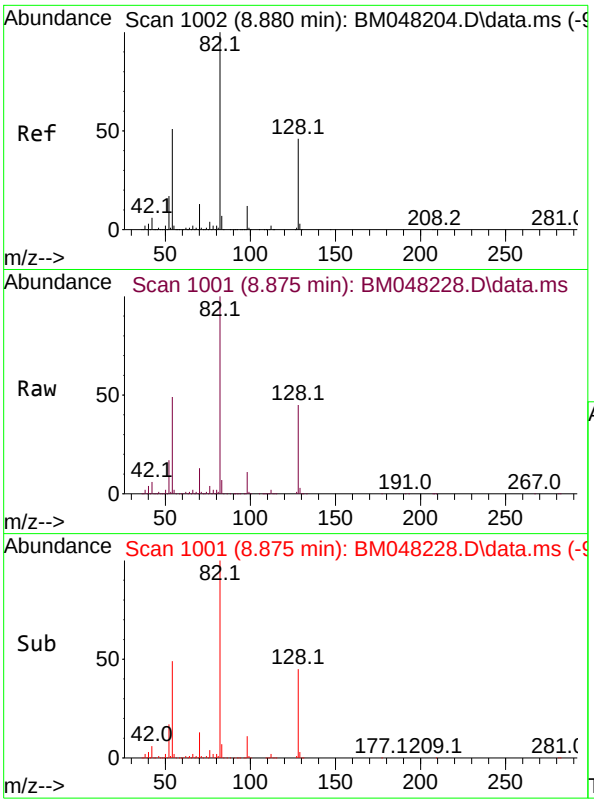


#22
Acetophenone
Concen: 39.353 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:105 Resp: 747089

Ion	Ratio	Lower	Upper
105	100		
71	3.6	3.4	5.0
51	26.9	21.7	32.5
120	23.2	19.0	28.4





#23
Nitrobenzene-d5
Concen: 79.227 ng
RT: 8.875 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

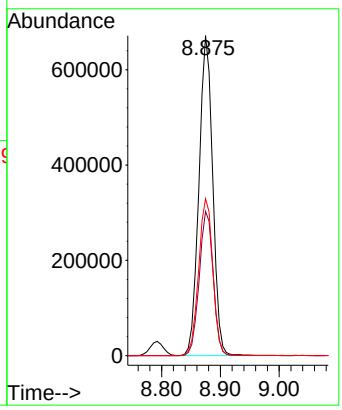
Tgt Ion: 82 Resp: 109149

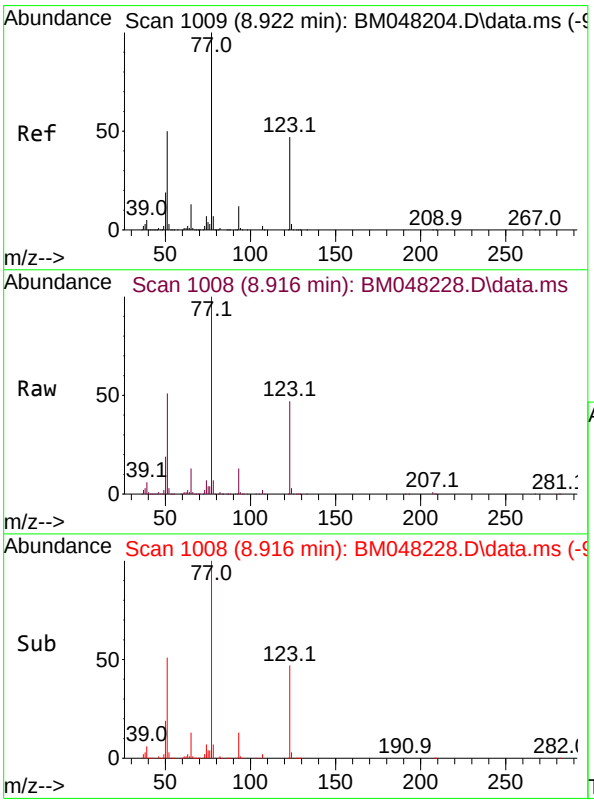
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.6	54.8
54	49.1	41.0	61.4

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

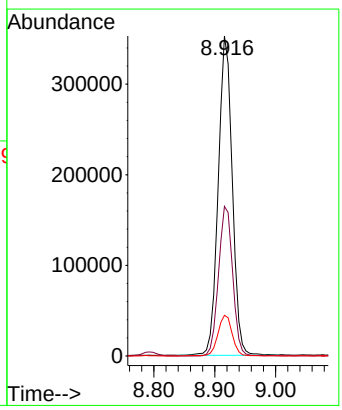


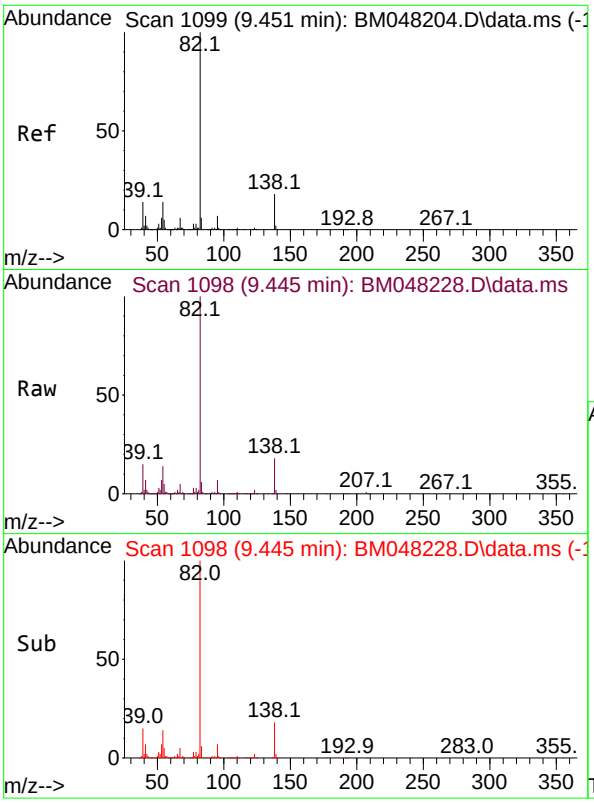


#24
Nitrobenzene
Concen: 39.420 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 77 Resp: 562689

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.8	56.6
65	12.7	10.4	15.6





#25
Isophorone
Concen: 37.949 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

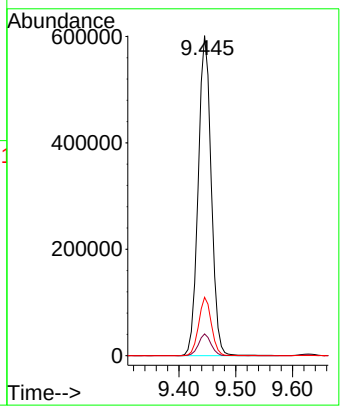
Tgt Ion: 82 Resp: 95830

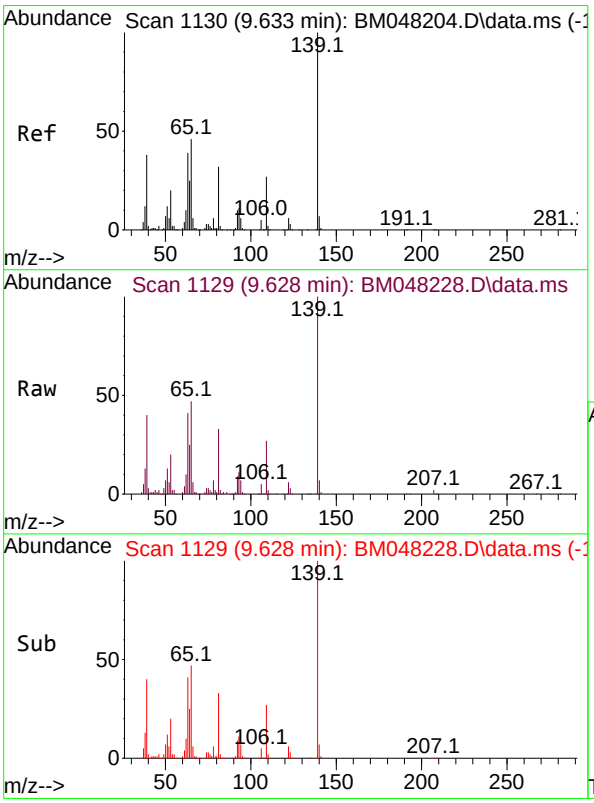
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.3	14.3	21.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

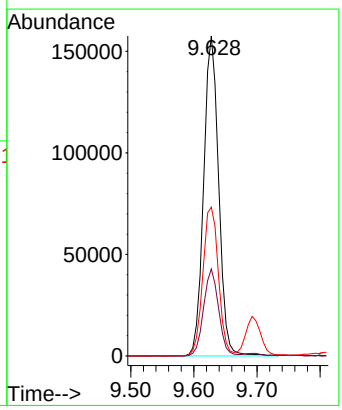


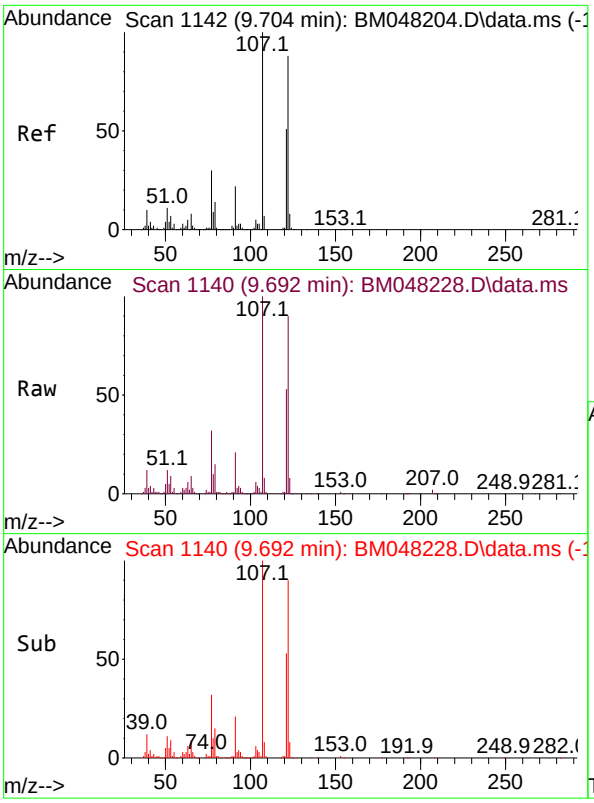


#26
2-Nitrophenol
Concen: 39.454 ng
RT: 9.628 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:139 Resp: 260034

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.2	31.8
65	46.5	36.8	55.2

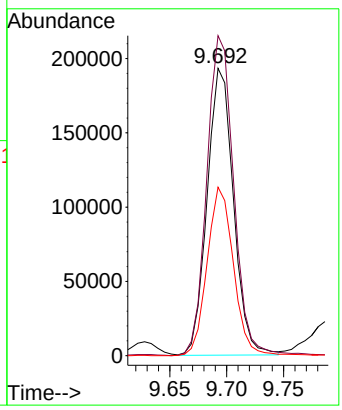




#27
2,4-Dimethylphenol
Concen: 39.065 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:122 Resp: 31237

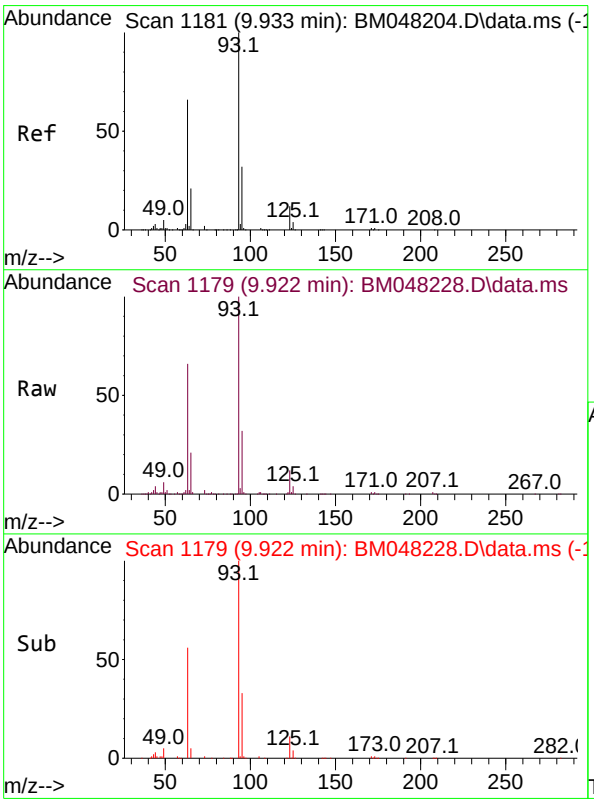
Ion	Ratio	Lower	Upper
122	100		
107	111.3	91.0	136.6
121	58.6	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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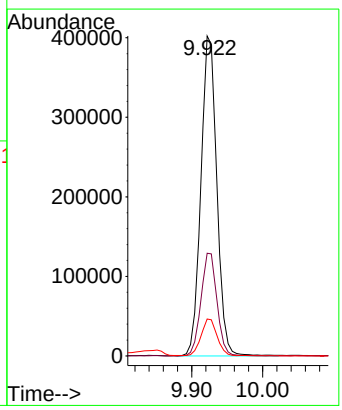
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

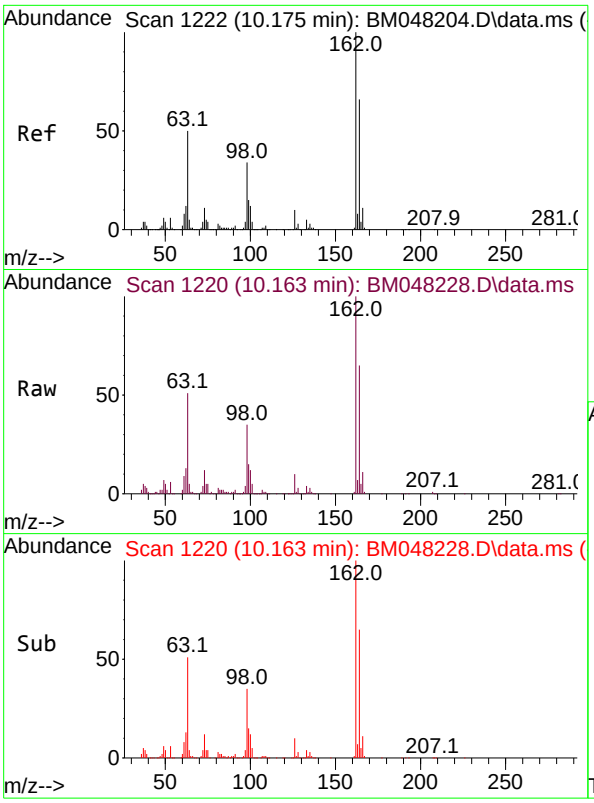


#28
bis(2-Chloroethoxy)methane
Concen: 39.358 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 93 Resp: 628930

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.3	37.9
123	11.5	9.8	14.6

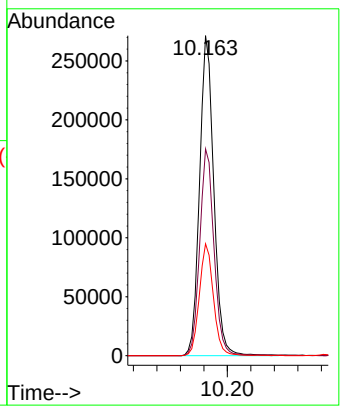




#29
2,4-Dichlorophenol
Concen: 39.766 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:162 Resp: 45742

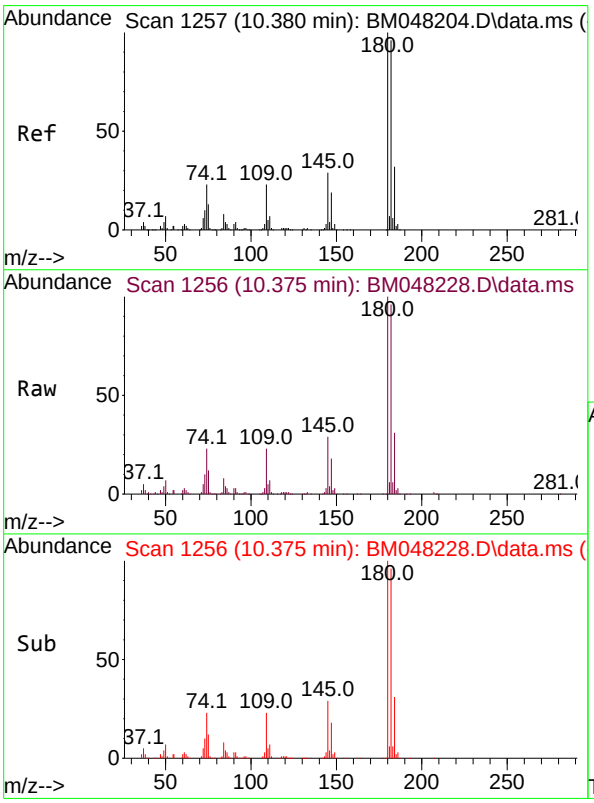
Ion	Ratio	Lower	Upper
162	100		
164	64.6	46.0	86.0
98	35.0	14.4	54.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

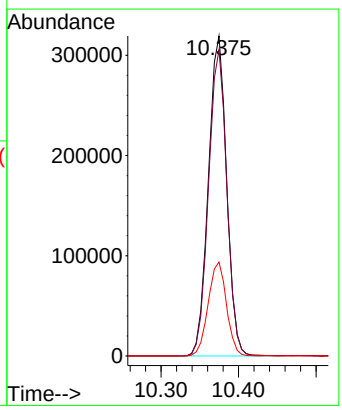
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

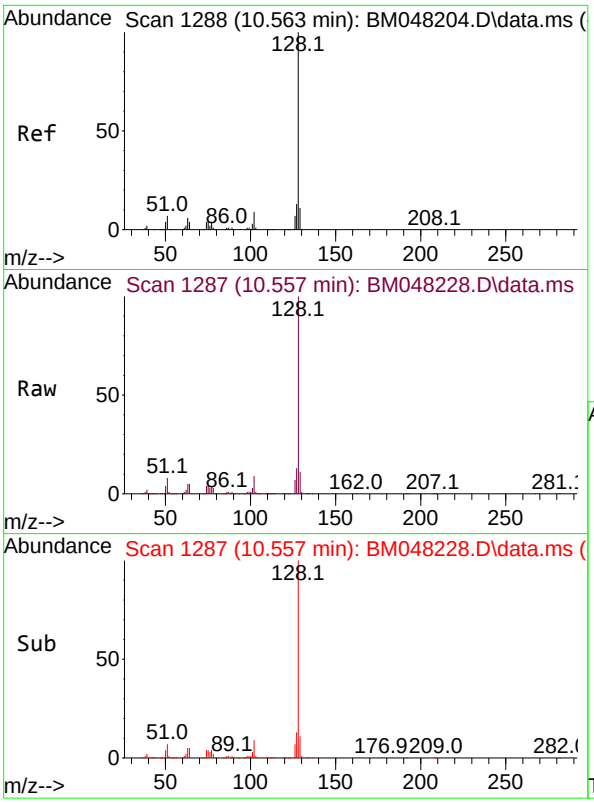


#30
1,2,4-Trichlorobenzene
Concen: 39.688 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:180 Resp: 522858

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
145	29.4	23.4	35.2

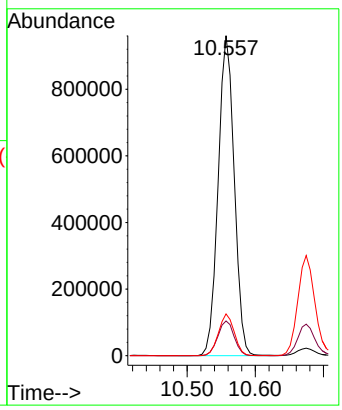




#31
Naphthalene
Concen: 38.881 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:128 Resp: 157744

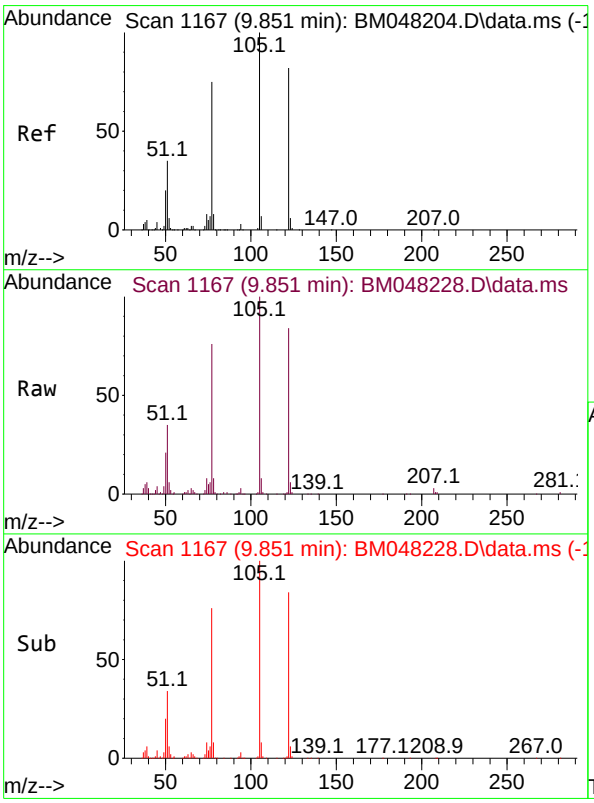
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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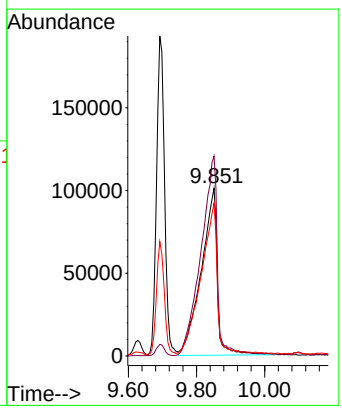
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

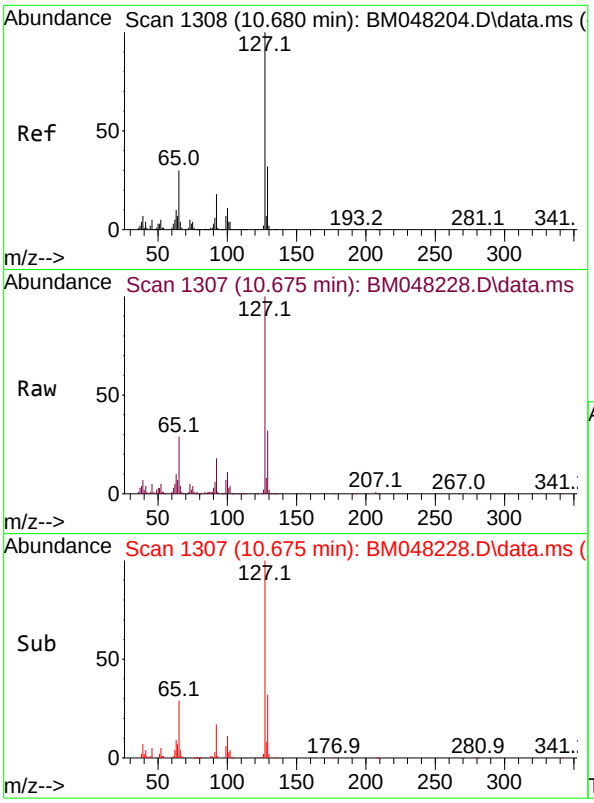


#32
Benzoic acid
Concen: 37.454 ng
RT: 9.851 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:122 Resp: 333366

Ion	Ratio	Lower	Upper
122	100		
105	119.1	99.3	139.3
77	91.0	70.4	110.4

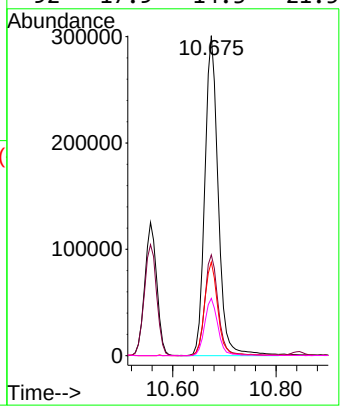




#33
4-Chloroaniline
Concen: 41.053 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:127 Resp: 54018

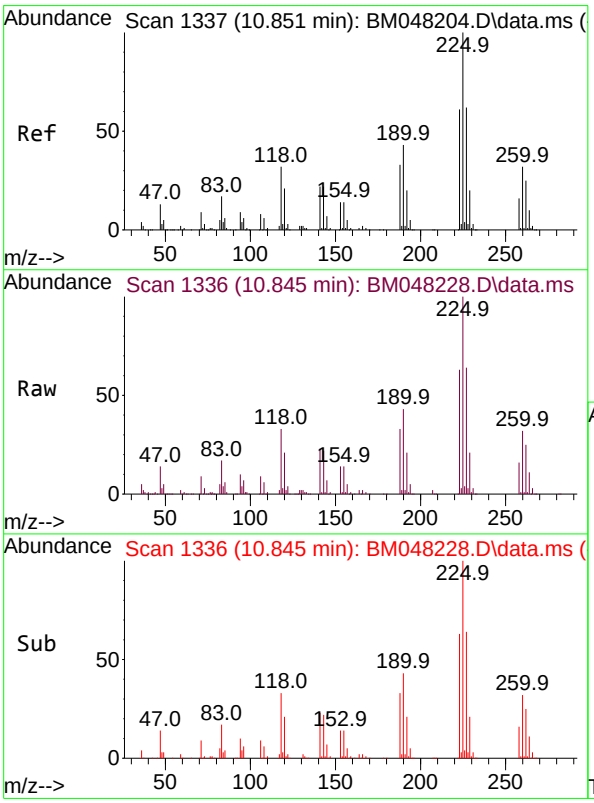
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.6
65	29.3	23.7	35.5
92	17.9	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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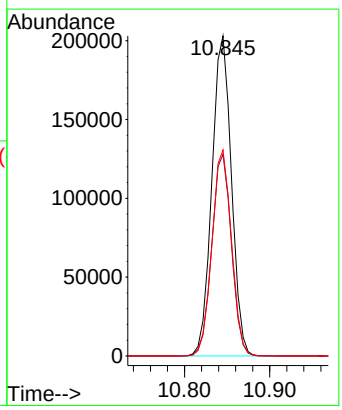
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

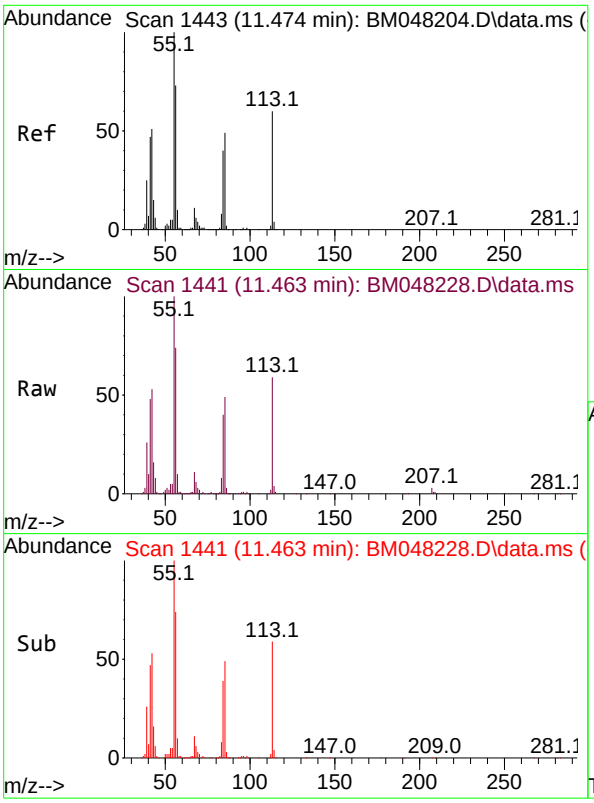


#34
Hexachlorobutadiene
Concen: 39.546 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:225 Resp: 322894

Ion	Ratio	Lower	Upper
225	100		
223	63.0	48.6	73.0
227	64.4	49.6	74.4

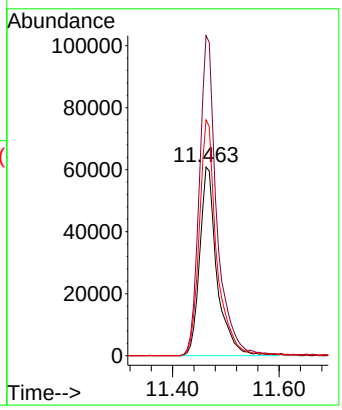




#35
Caprolactam
Concen: 36.554 ng
RT: 11.463 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:113 Resp: 13658

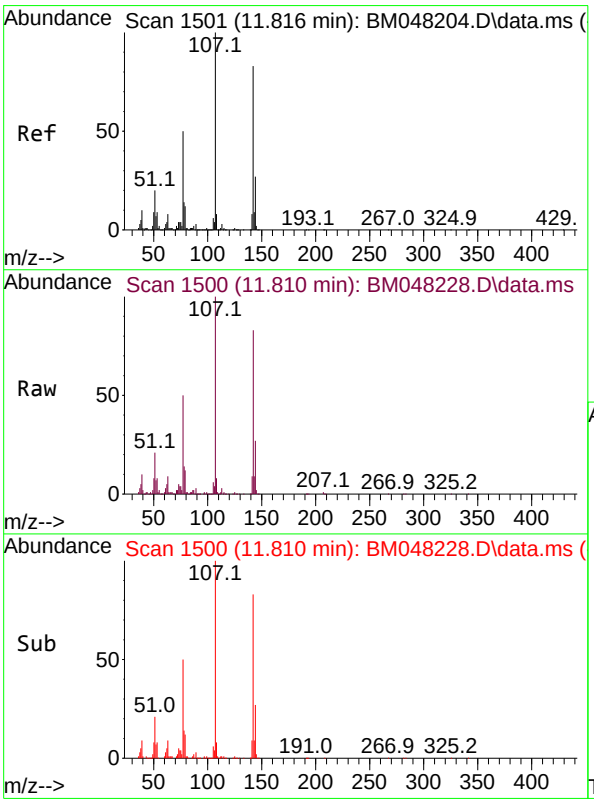
Ion	Ratio	Lower	Upper
113	100		
55	169.6	146.1	186.1
56	125.0	101.9	141.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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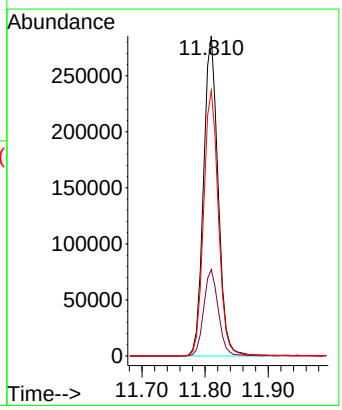
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

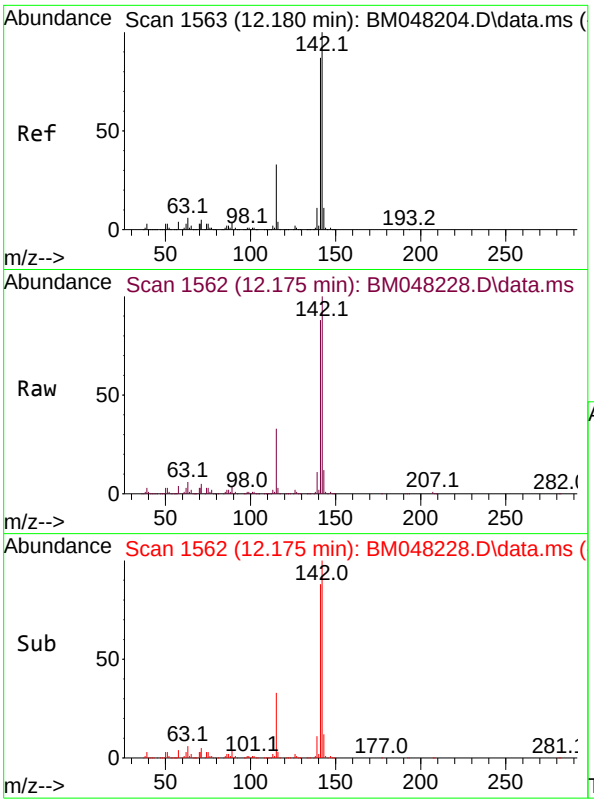


#36
4-Chloro-3-methylphenol
Concen: 38.067 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:107 Resp: 457106

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.5	32.3
142	82.9	66.8	100.2

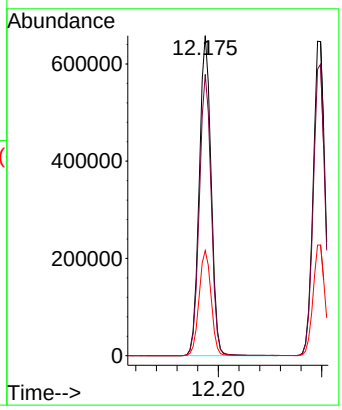




#37
2-Methylnaphthalene
Concen: 38.584 ng
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:142 Resp: 104589

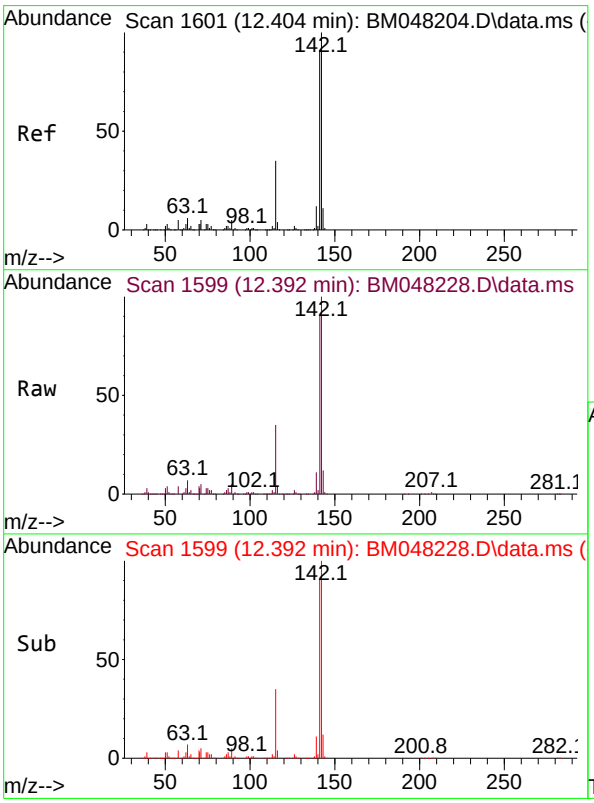
Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.8	104.6
115	32.8	26.3	39.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

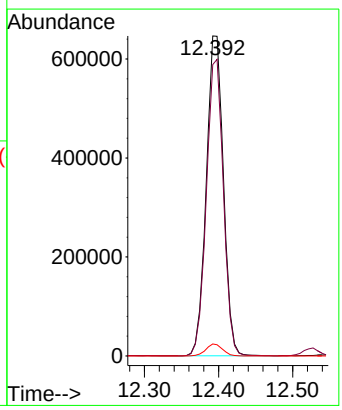
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

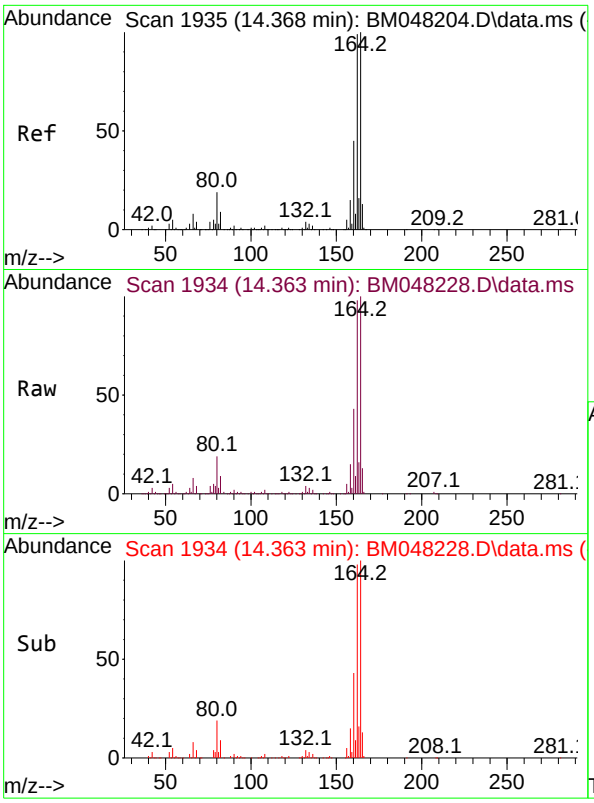


#38
1-Methylnaphthalene
Concen: 38.579 ng
RT: 12.392 min Scan# 1599
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:142 Resp: 1036985

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1
116	3.8	2.9	4.3

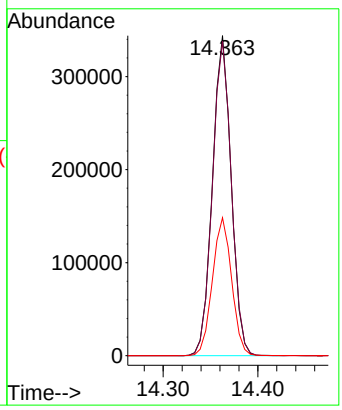




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:164 Resp: 47209

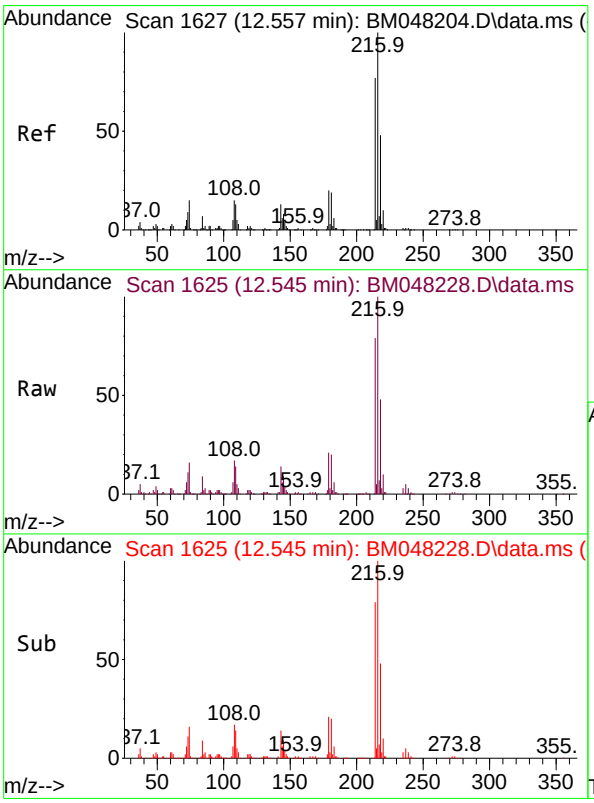
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.1	118.7
160	43.1	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

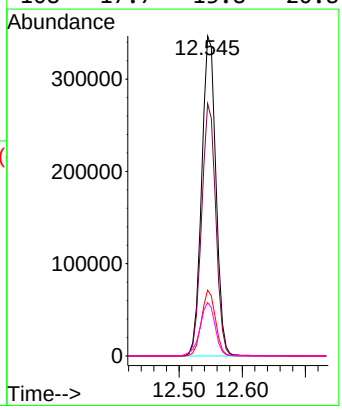
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

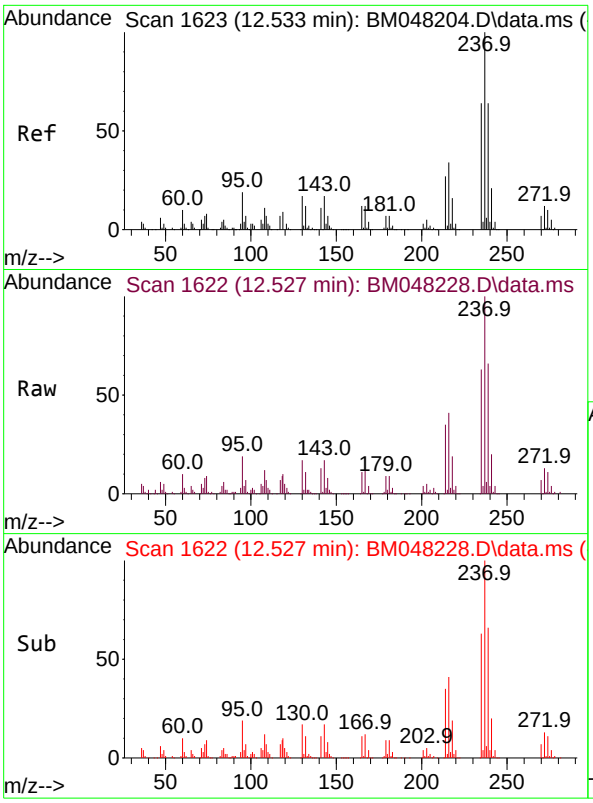


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.312 ng
RT: 12.545 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:216 Resp: 543945

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.2	93.2
179	20.1	16.0	24.0
108	17.7	13.8	20.8

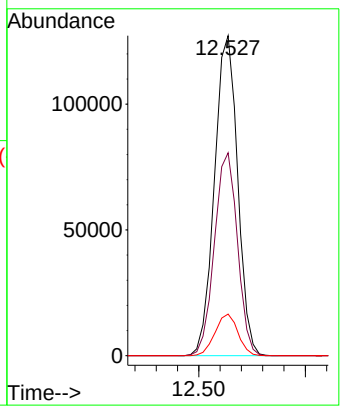




#41
Hexachlorocyclopentadiene
Concen: 42.007 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:237 Resp: 19180

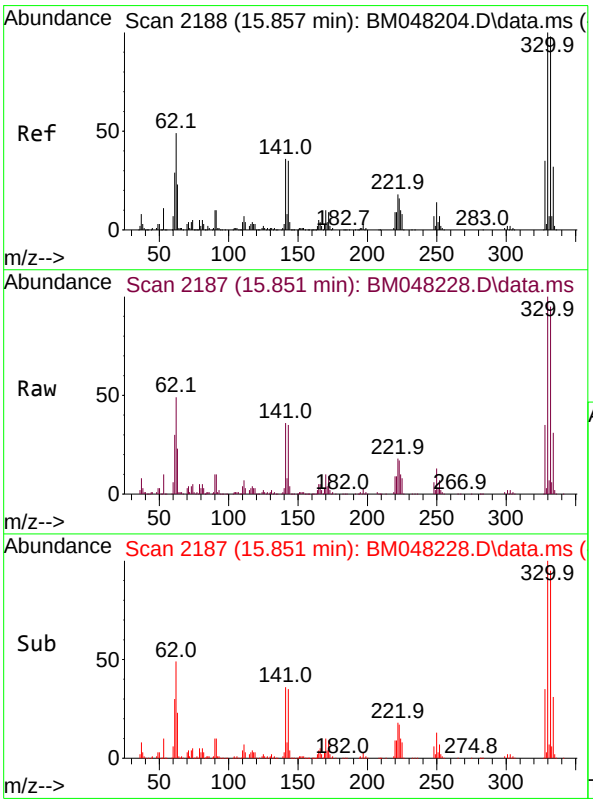
Ion	Ratio	Lower	Upper
237	100		
235	63.4	44.2	84.2
272	13.0	0.0	32.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

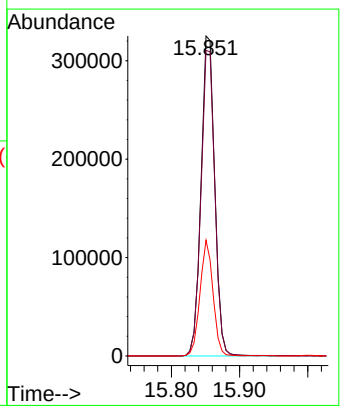
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

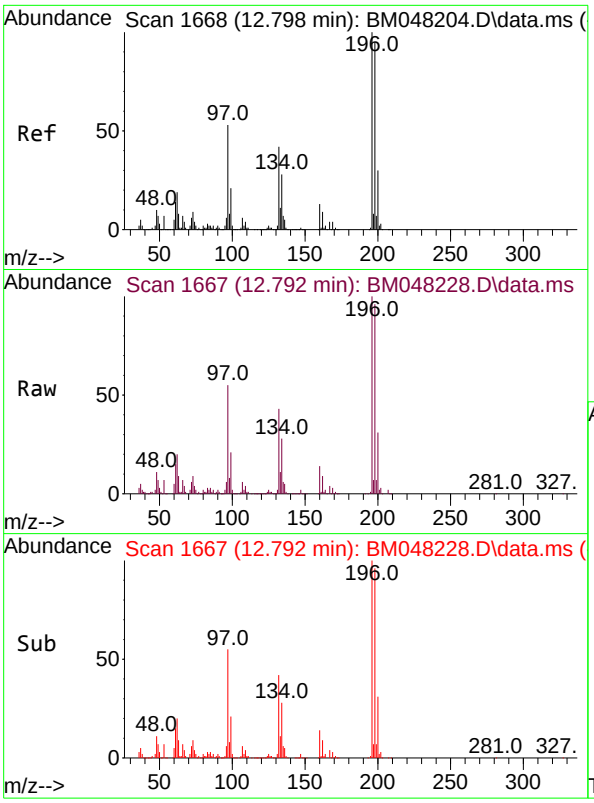


#42
2,4,6-Tribromophenol
Concen: 78.520 ng
RT: 15.851 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:330 Resp: 453725

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.5	116.3
141	34.3	27.5	41.3

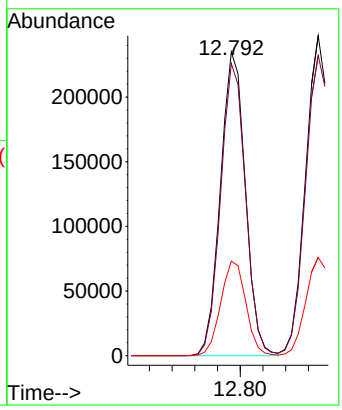




#43
2,4,6-Trichlorophenol
Concen: 40.027 ng
RT: 12.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:196 Resp: 35842

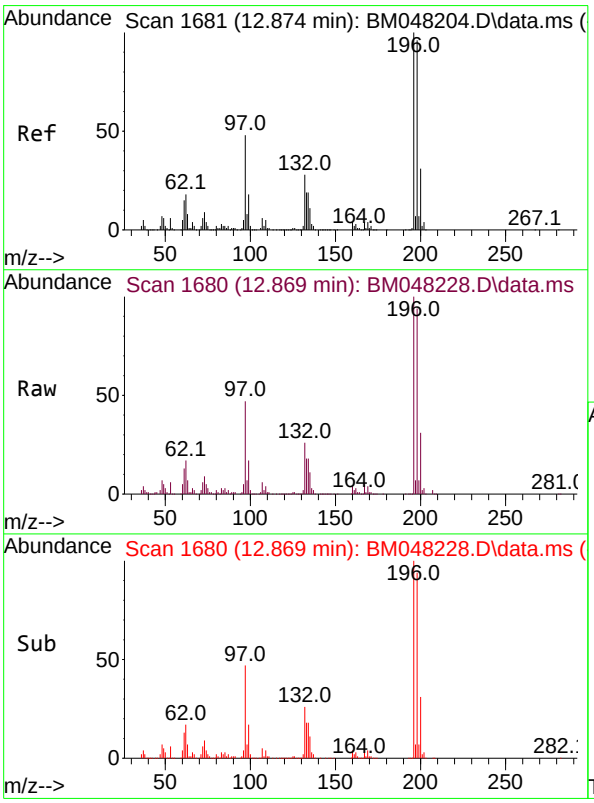
Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
200	31.1	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

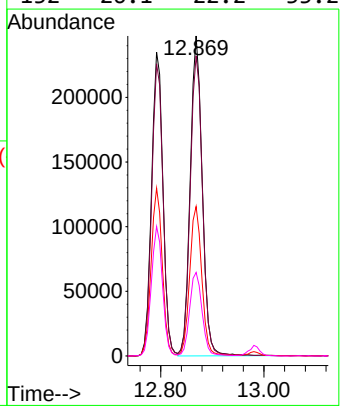
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

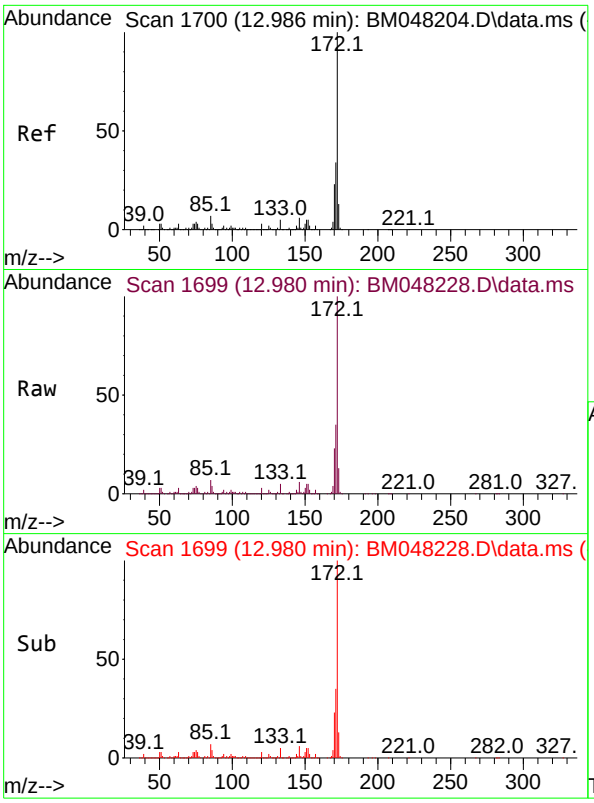


#44
2,4,5-Trichlorophenol
Concen: 40.142 ng
RT: 12.869 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:196 Resp: 400850

Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.7	115.1
97	46.7	38.5	57.7
132	26.1	22.2	33.2

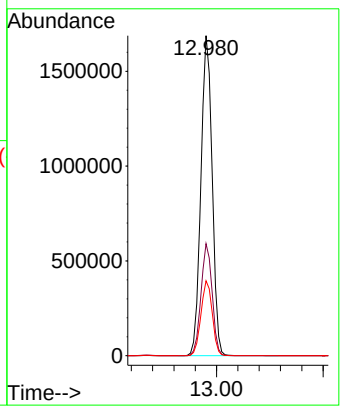




#45
2-Fluorobiphenyl
Concen: 80.398 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:172 Resp: 247346

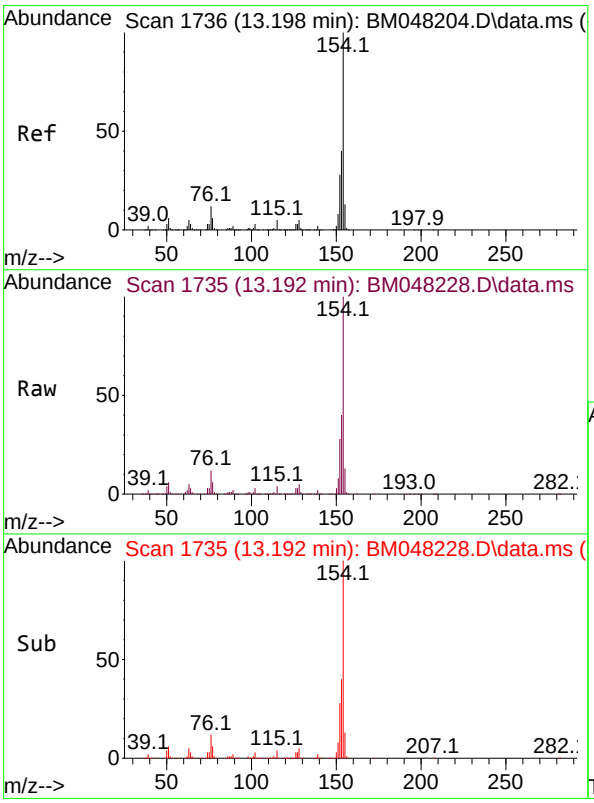
Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.4	18.5	27.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

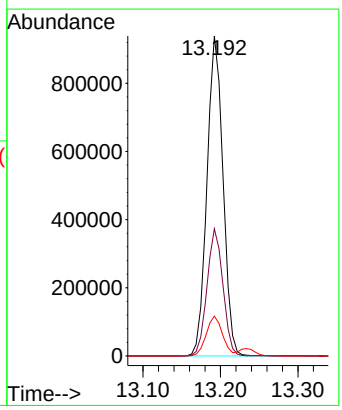
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

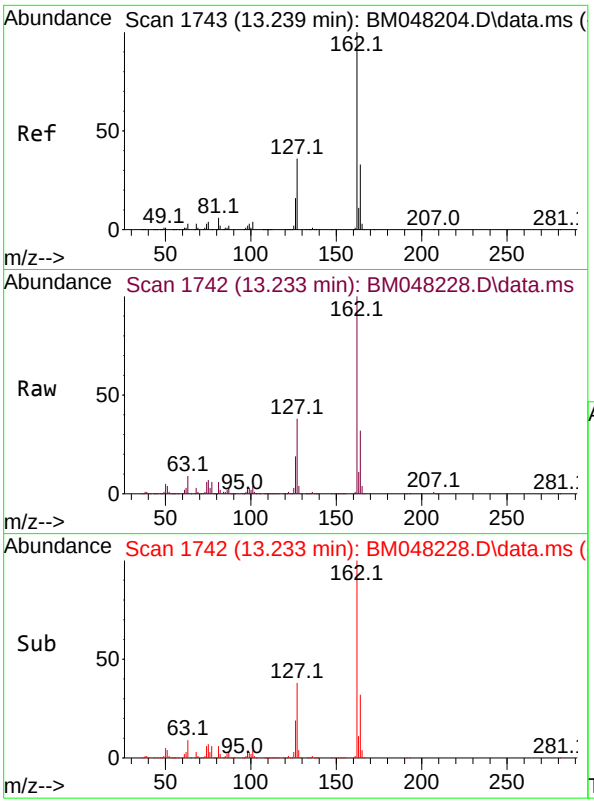


#46
1,1'-Biphenyl
Concen: 40.061 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:154 Resp: 1350293

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.9	59.9
76	12.4	0.0	32.4

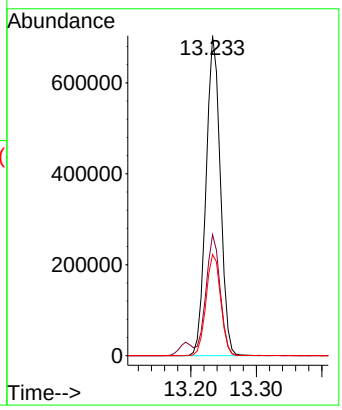




#47
2-Chloronaphthalene
Concen: 40.116 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:162 Resp: 106614

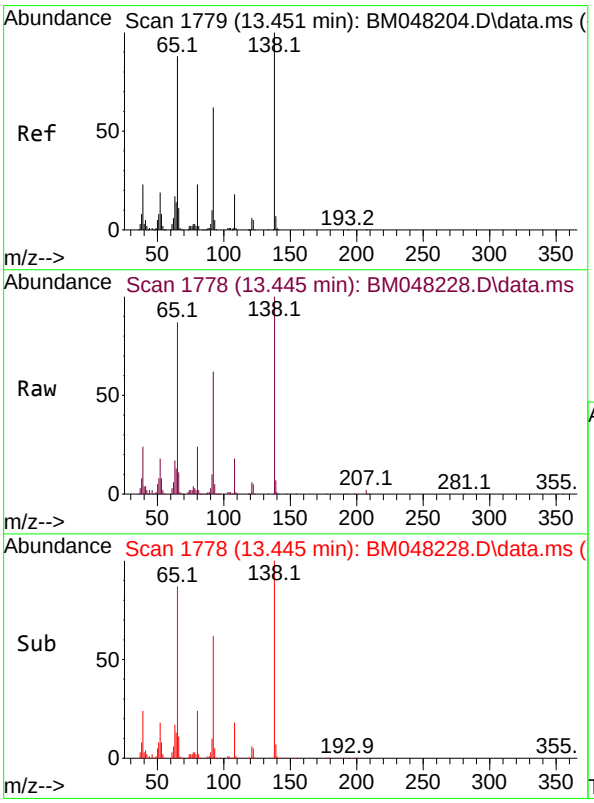
Ion	Ratio	Lower	Upper
162	100		
127	37.8	31.0	46.6
164	31.6	26.2	39.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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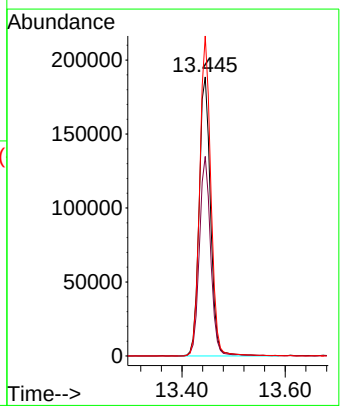
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

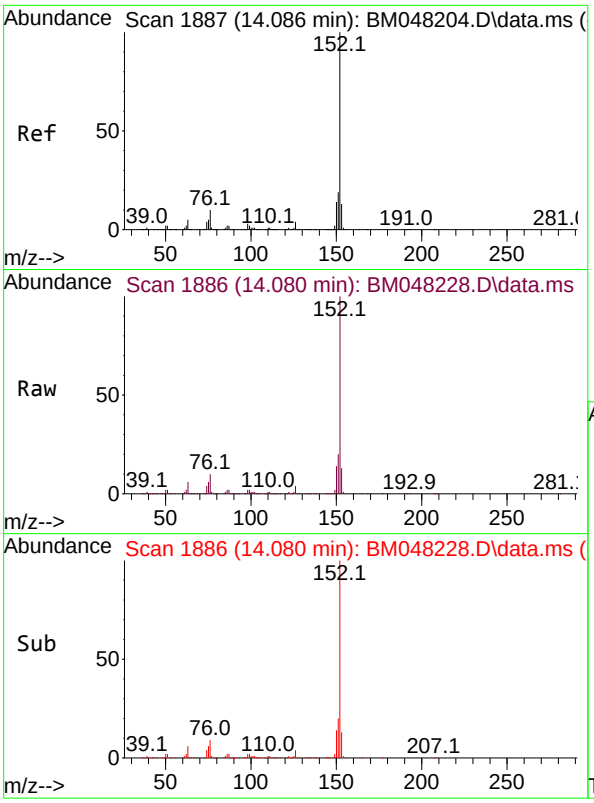


#48
2-Nitroaniline
Concen: 40.064 ng
RT: 13.445 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 65 Resp: 288787

Ion	Ratio	Lower	Upper
65	100		
92	71.5	56.0	84.0
138	114.7	90.8	136.2

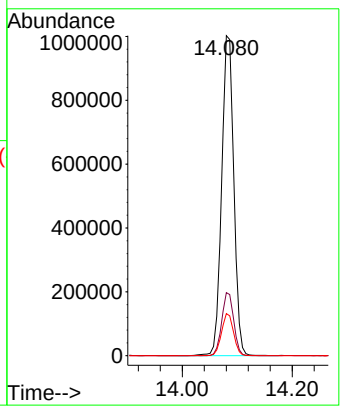




#49
Acenaphthylene
Concen: 39.557 ng
RT: 14.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:152 Resp: 153374

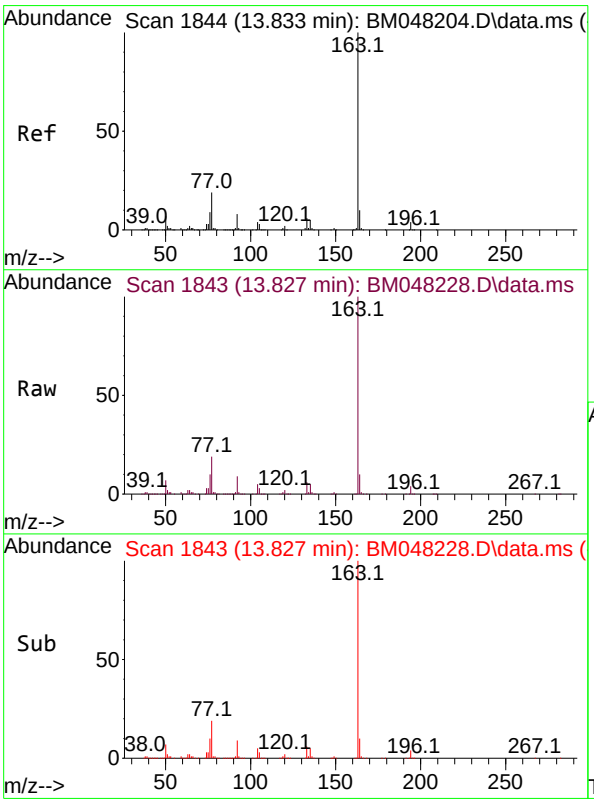
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.1	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

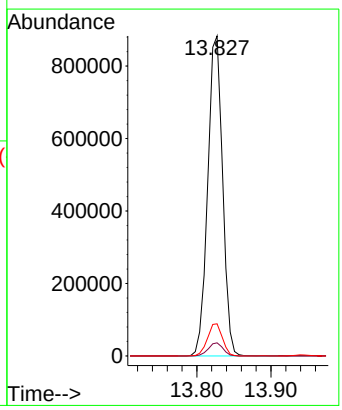
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

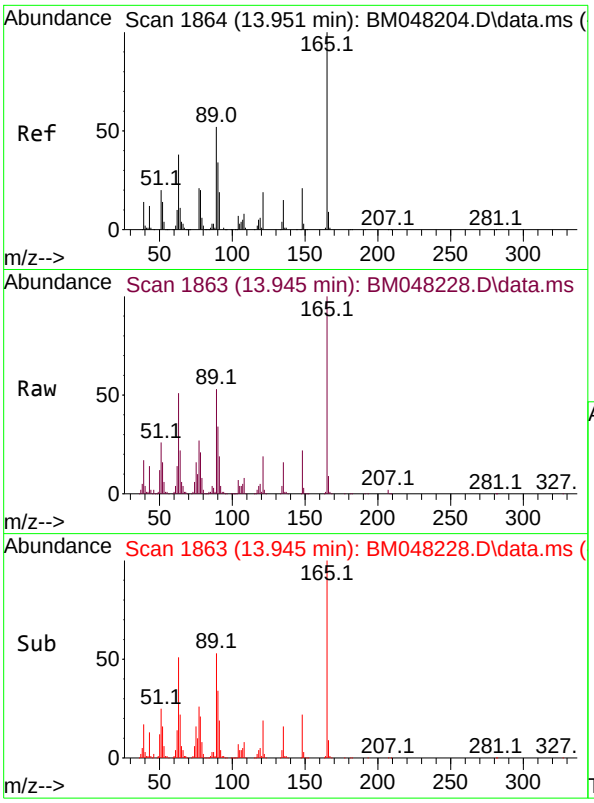


#50
Dimethylphthalate
Concen: 38.101 ng
RT: 13.827 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:163 Resp: 1227946

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.1	7.8	11.6

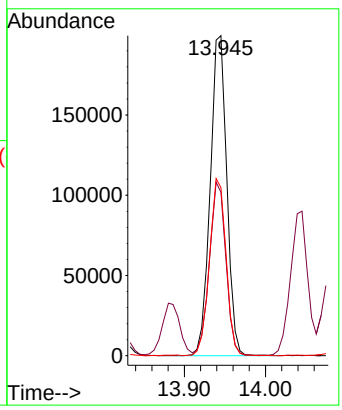




#51
2,6-Dinitrotoluene
Concen: 39.311 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:165 Resp: 28268

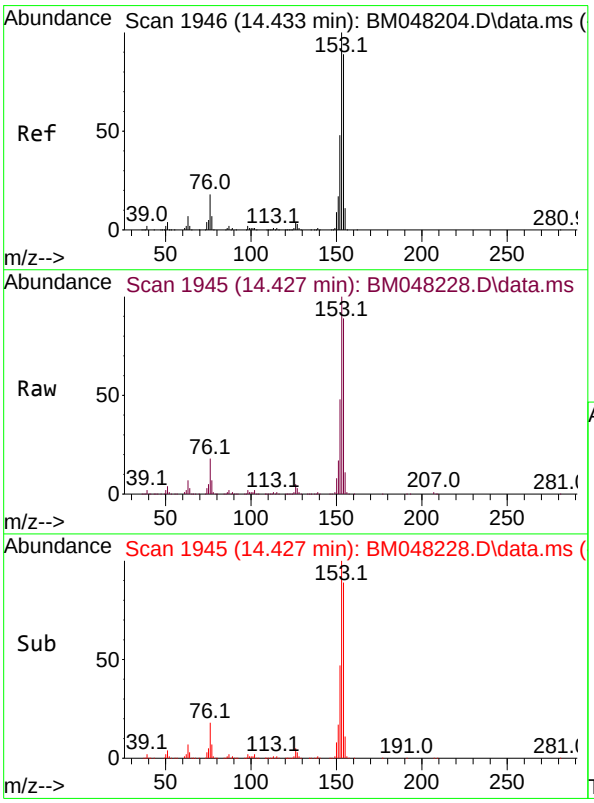
Ion	Ratio	Lower	Upper
165	100		
63	51.1	39.5	59.3
89	52.5	41.8	62.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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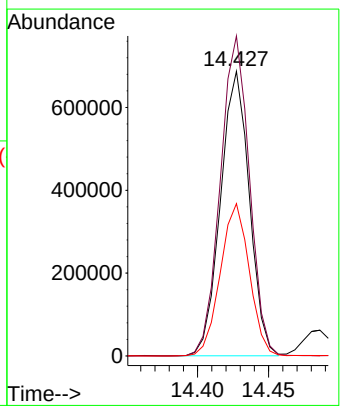
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

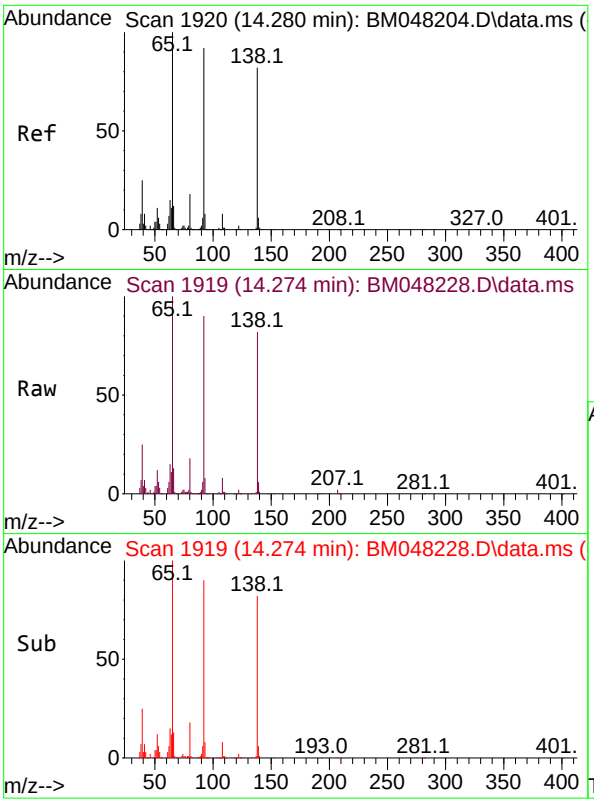


#52
Acenaphthene
Concen: 39.371 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:154 Resp: 969967

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.4	135.6
152	53.5	43.6	65.4





#53
3-Nitroaniline
Concen: 41.063 ng
RT: 14.274 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

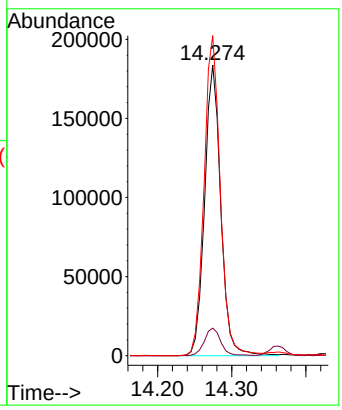
Tgt Ion:138 Resp: 27847

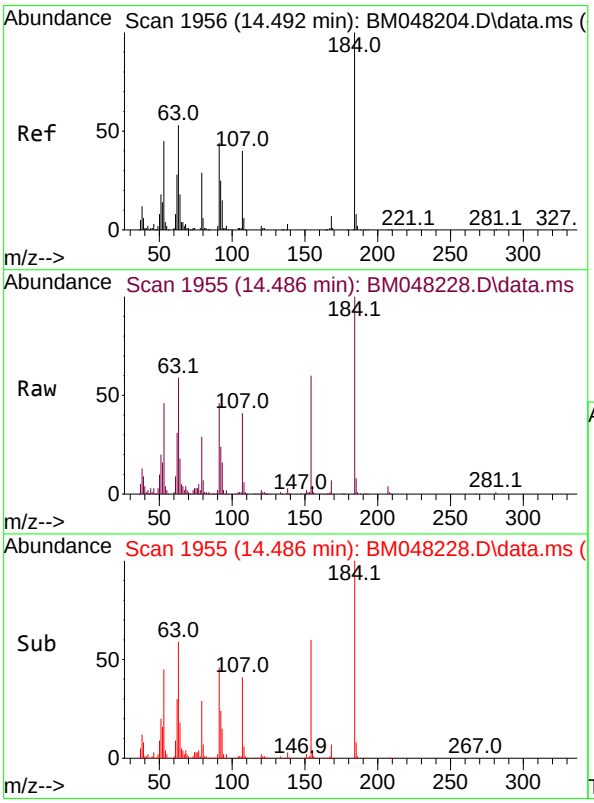
Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.5	11.3
92	110.1	89.7	134.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

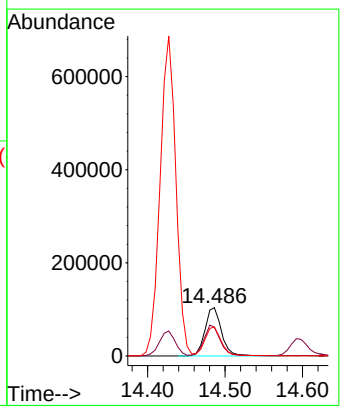


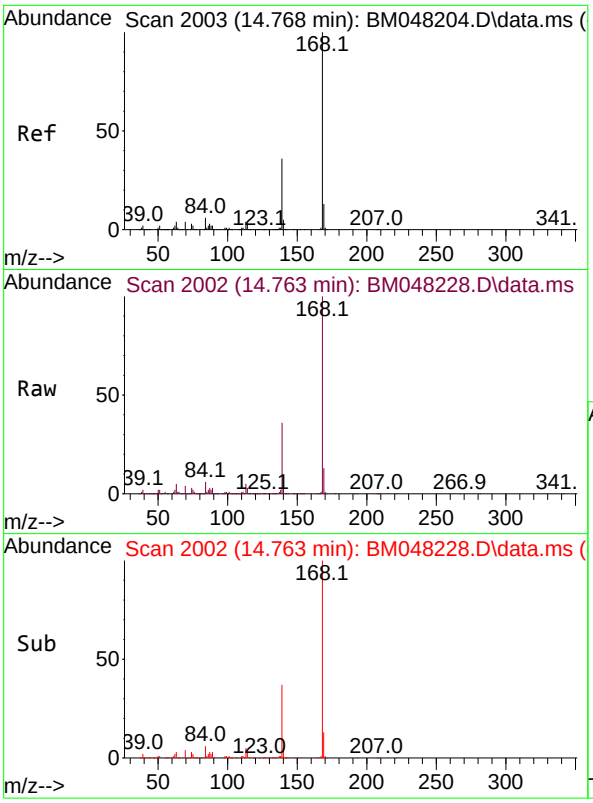


#54
2,4-Dinitrophenol
Concen: 36.646 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:184 Resp: 153992

Ion	Ratio	Lower	Upper
184	100		
63	59.4	47.2	70.8
154	59.8	46.0	69.0

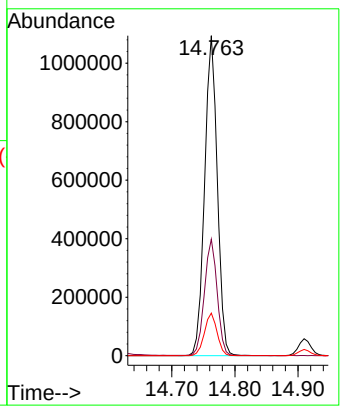




#55
Dibenzofuran
Concen: 38.956 ng
RT: 14.763 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:168 Resp: 152477

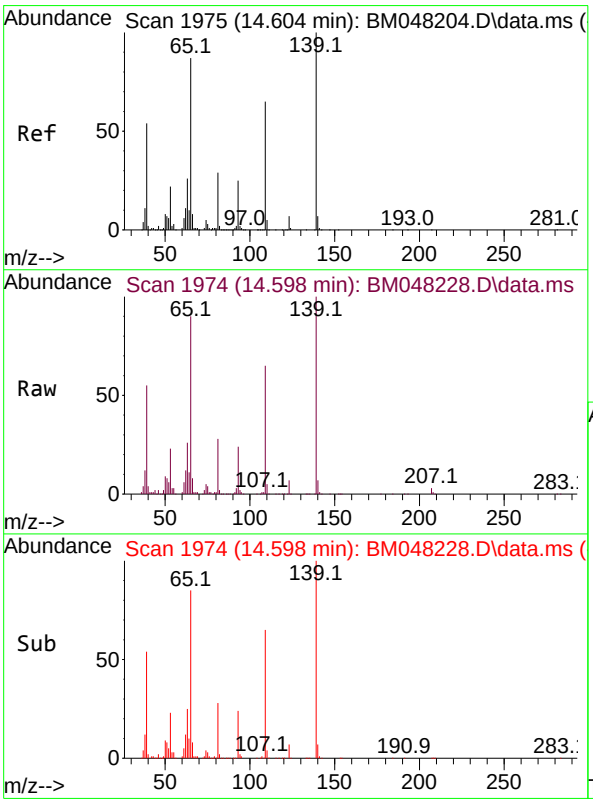
Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.0	43.6
169	13.3	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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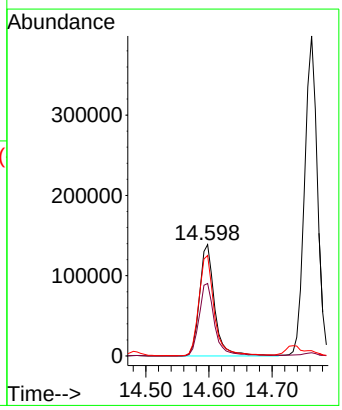
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

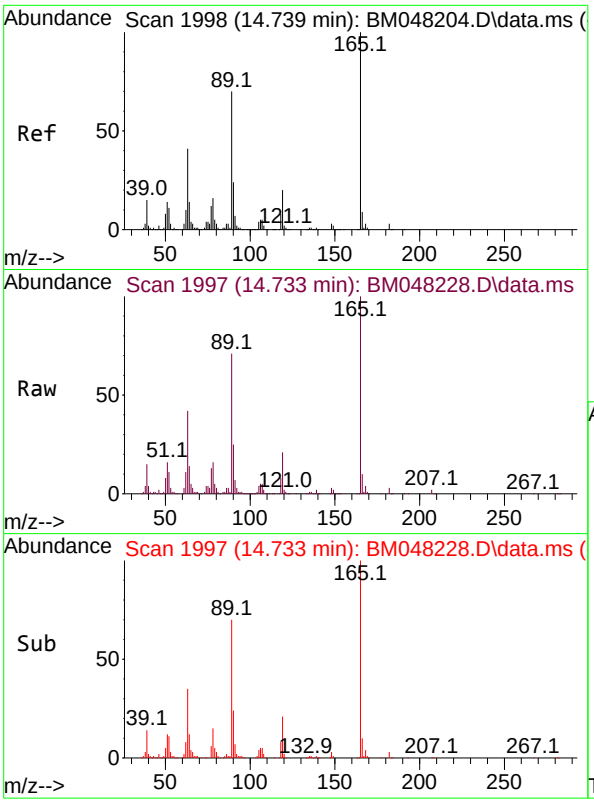


#56
4-Nitrophenol
Concen: 38.031 ng
RT: 14.598 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:139 Resp: 230182

Ion	Ratio	Lower	Upper
139	100		
109	65.1	45.4	85.4
65	90.3	67.3	107.3

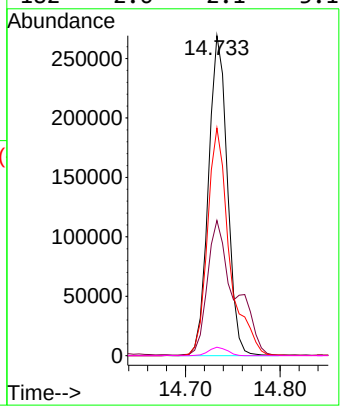




#57
2,4-Dinitrotoluene
Concen: 39.345 ng
RT: 14.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:165 Resp: 37362

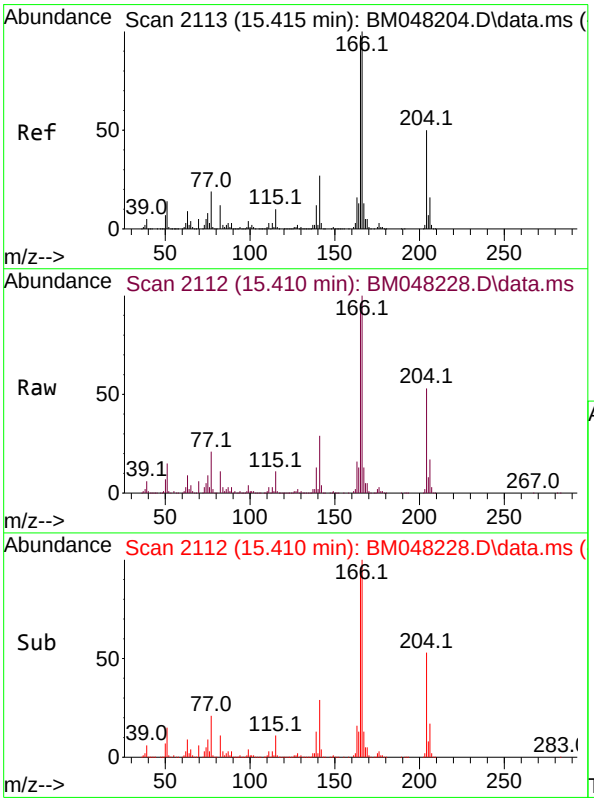
Ion	Ratio	Lower	Upper
165	100		
63	42.3	33.0	49.4
89	71.2	55.8	83.6
182	2.6	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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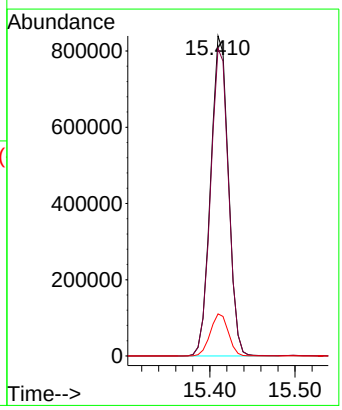
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

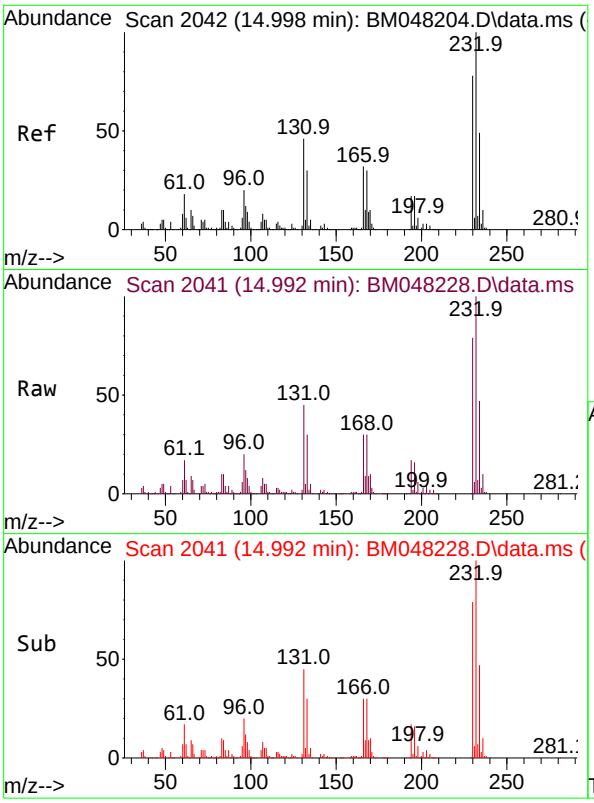


#58
Fluorene
Concen: 39.327 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:166 Resp: 1217184

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.4	117.6
167	13.2	10.8	16.2

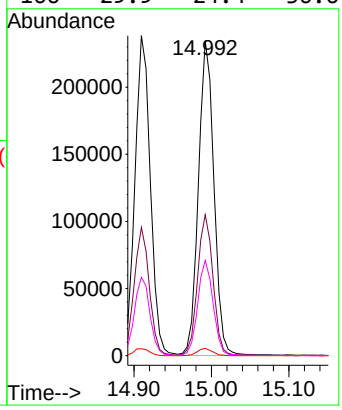




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.382 ng
RT: 14.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:232 Resp: 32596

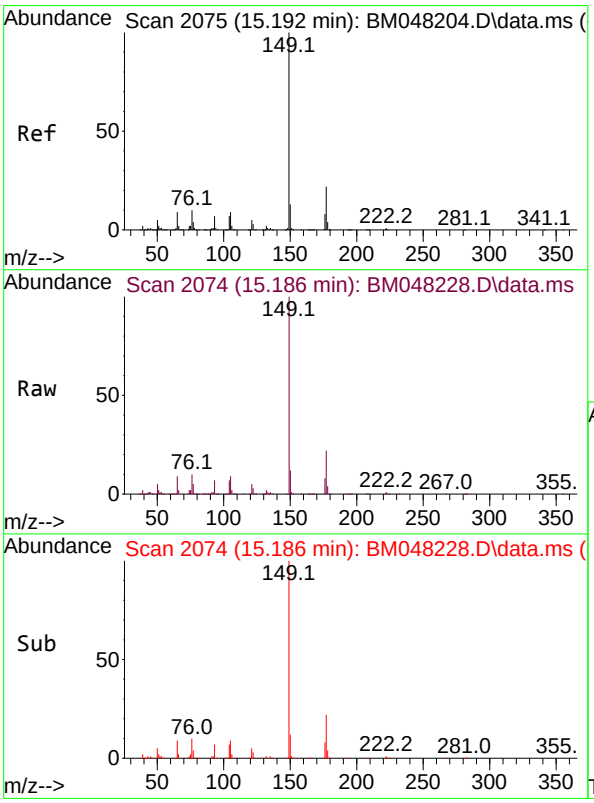
Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.5	53.3
130	2.2	1.8	2.6
166	29.9	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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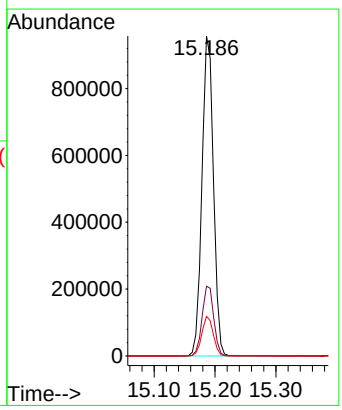
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

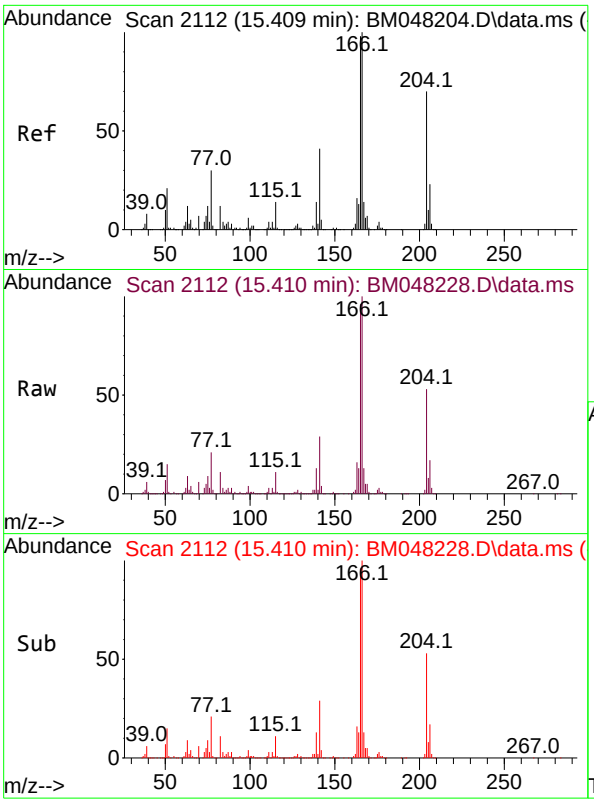


#60
Diethylphthalate
Concen: 38.482 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:149 Resp: 1255704

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.5	26.3
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.640 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

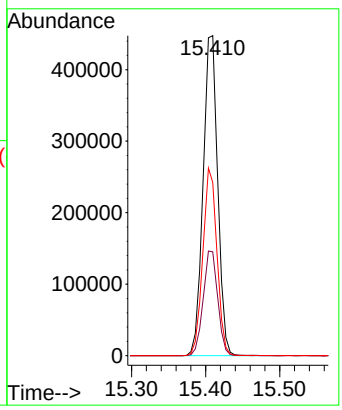
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

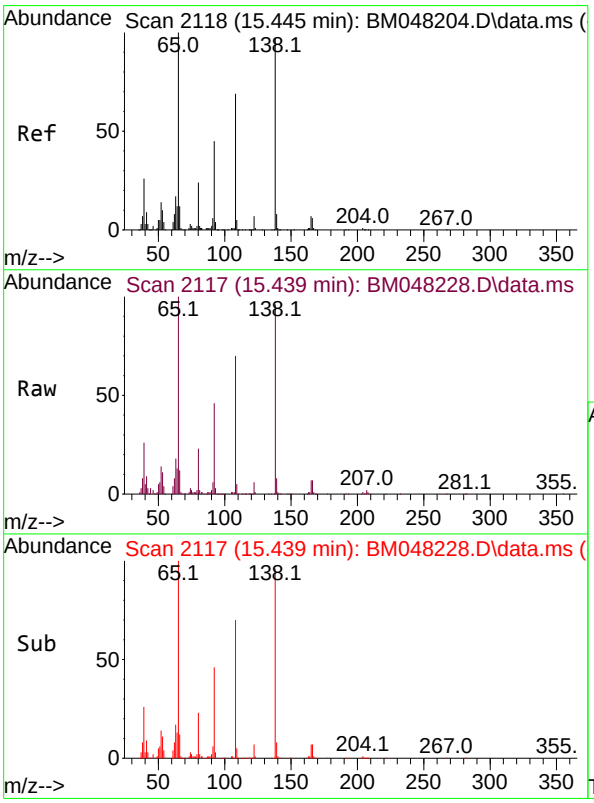
Tgt Ion:204 Resp: 61344

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	54.1	47.0	70.6

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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

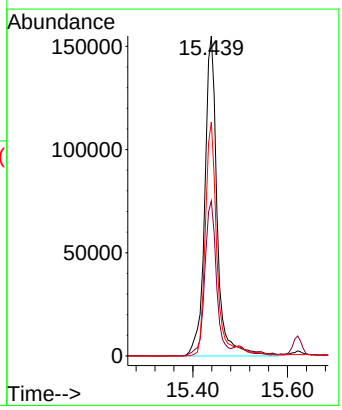


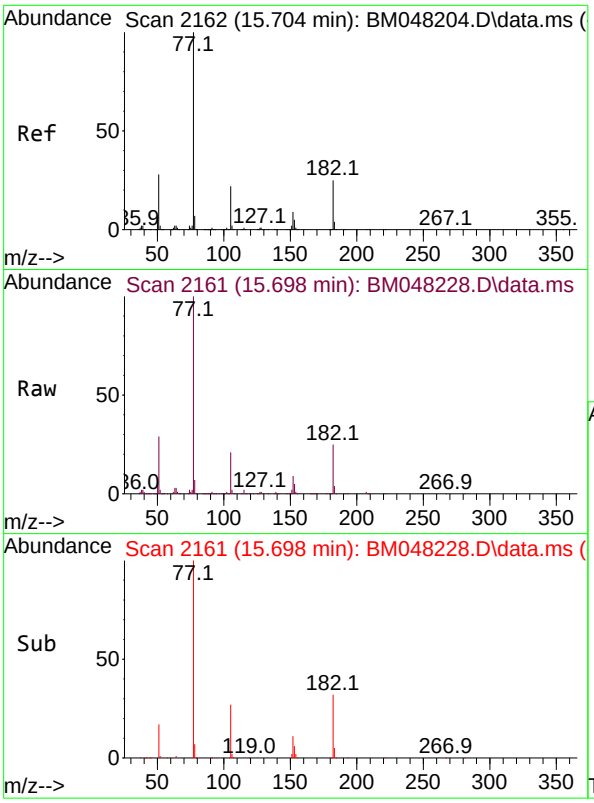


#62
4-Nitroaniline
Concen: 40.252 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:138 Resp: 282507

Ion	Ratio	Lower	Upper
138	100		
92	48.4	26.9	66.9
108	73.1	51.3	91.3

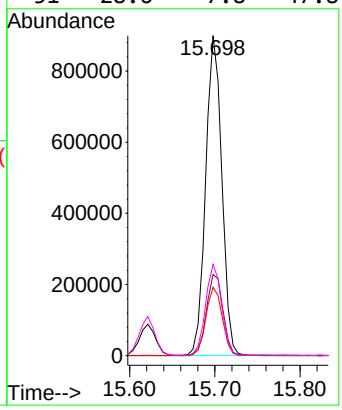




#63
Azobenzene
Concen: 40.365 ng
RT: 15.698 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion: 77 Resp: 118050

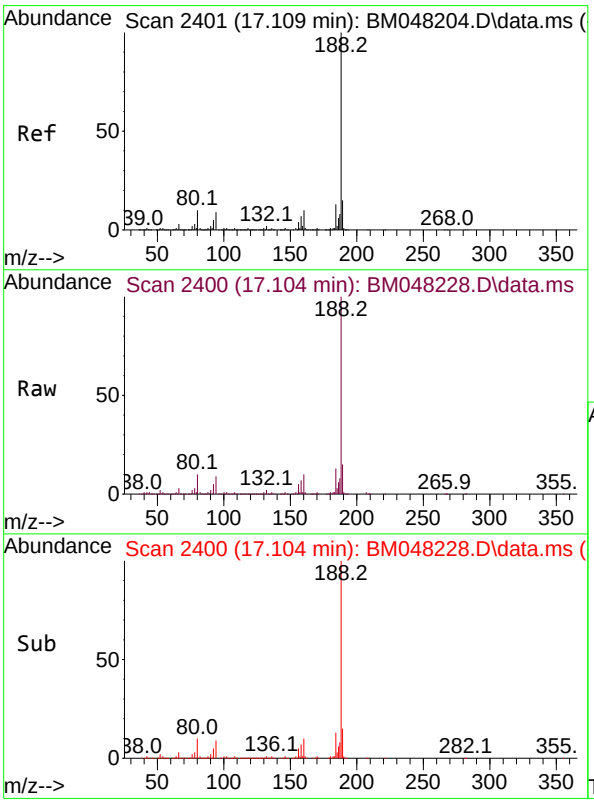
Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.3	45.3
105	21.3	1.6	41.6
51	28.6	7.8	47.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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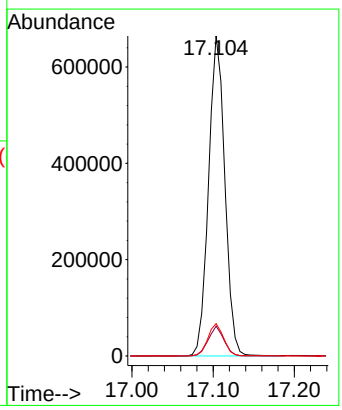
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

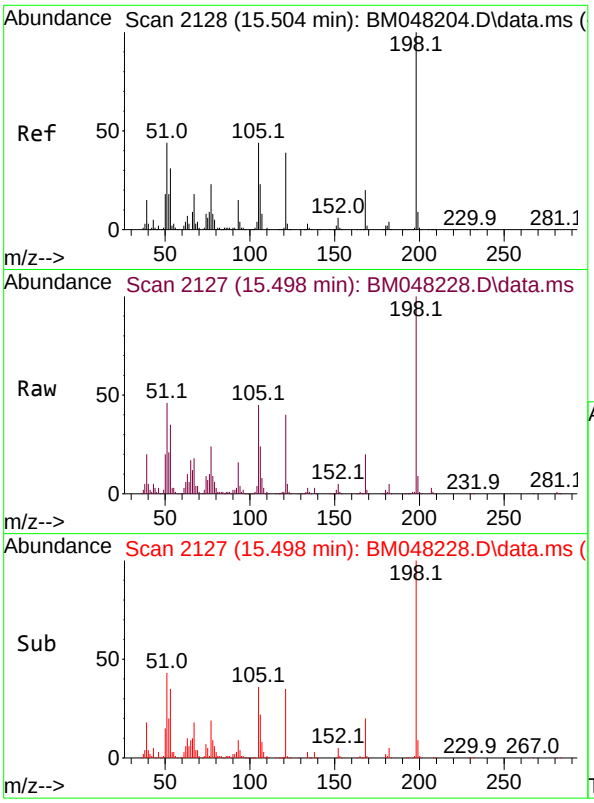


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:188 Resp: 925065

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.1	8.0	12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 40.476 ng
RT: 15.498 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

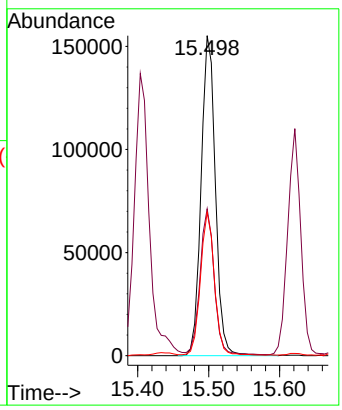
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

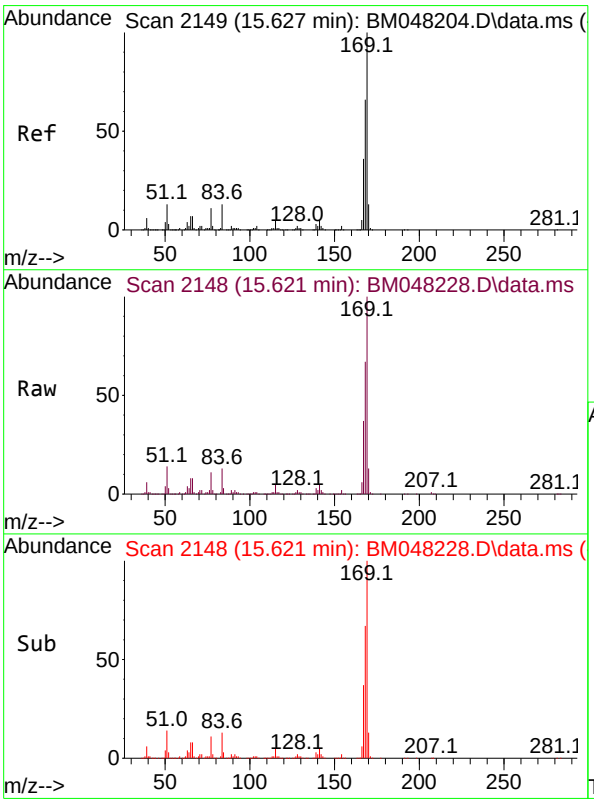
Tgt Ion:198 Resp: 21724

Ion	Ratio	Lower	Upper
198	100		
51	45.9	25.4	65.4
105	44.8	23.9	63.9

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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

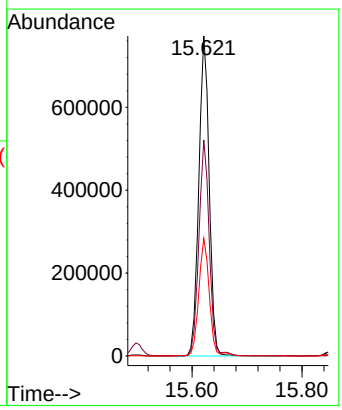


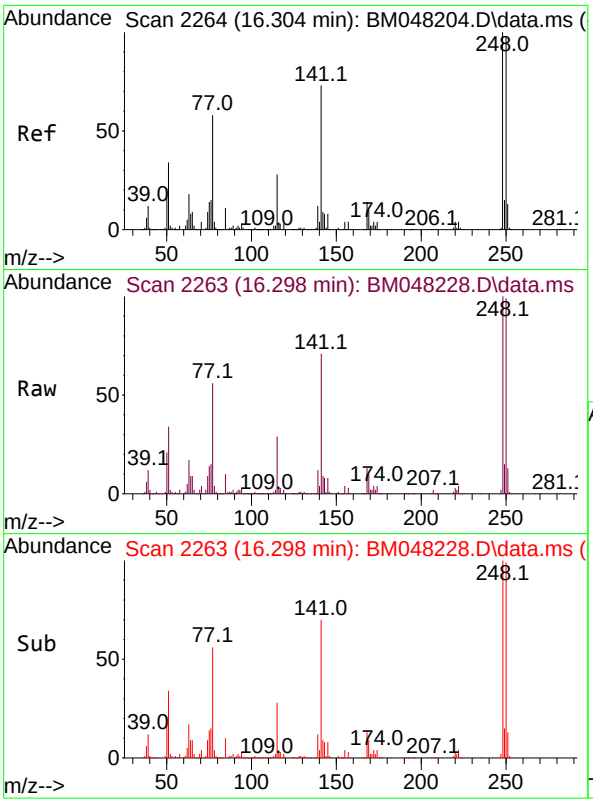


#66
n-Nitrosodiphenylamine
Concen: 39.943 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:169 Resp: 1014345

Ion	Ratio	Lower	Upper
169	100		
168	67.4	52.9	79.3
167	36.8	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 39.562 ng
RT: 16.298 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

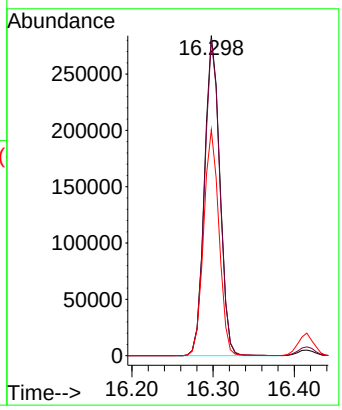
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

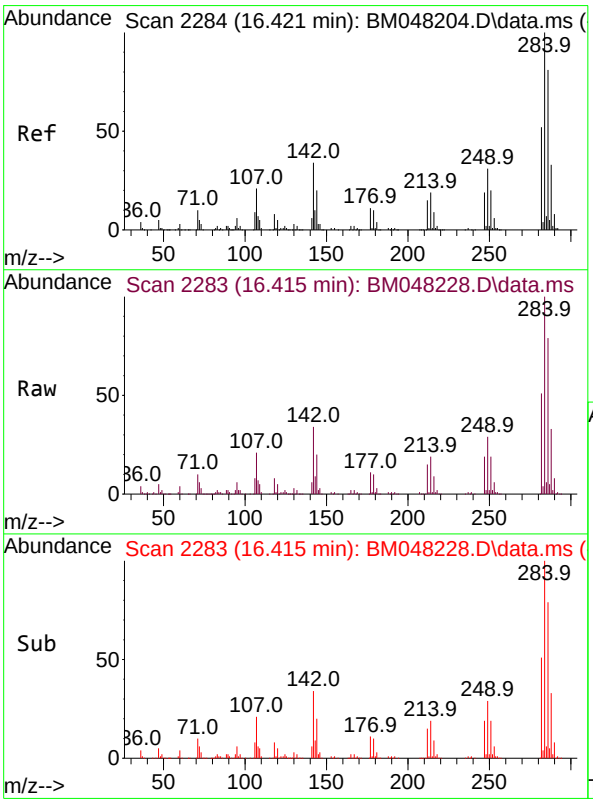
Tgt Ion:248 Resp: 37104

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.3	117.5
141	70.6	58.0	87.0

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

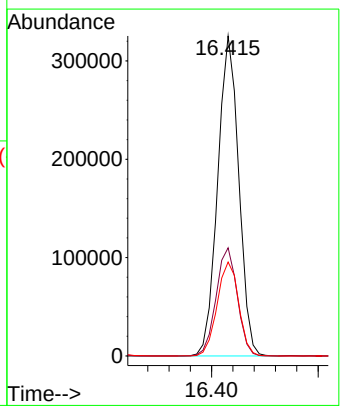


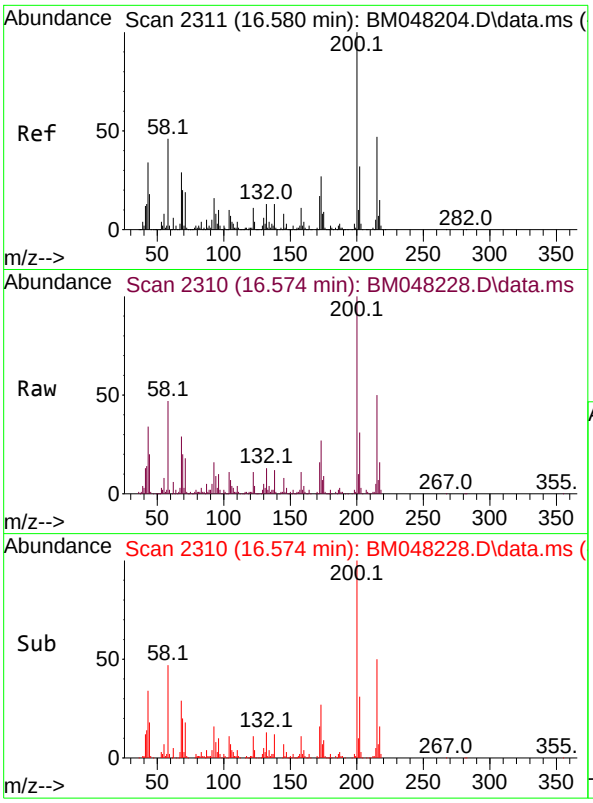


#68
Hexachlorobenzene
Concen: 39.568 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:284 Resp: 445715

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.4
249	29.3	24.6	36.8





#69
Atrazine
Concen: 37.220 ng
RT: 16.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

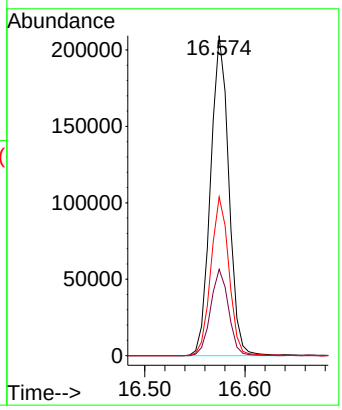
Tgt Ion:200 Resp: 26446

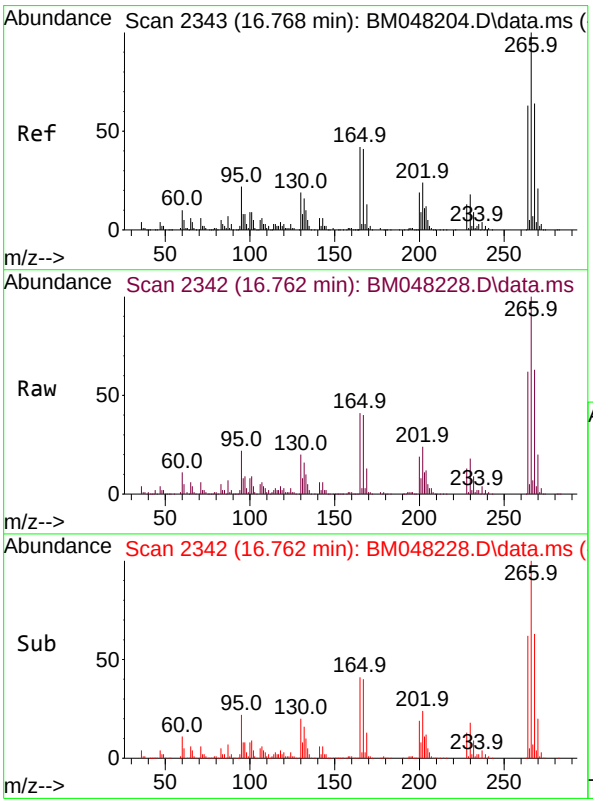
Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.5	46.5
215	49.6	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

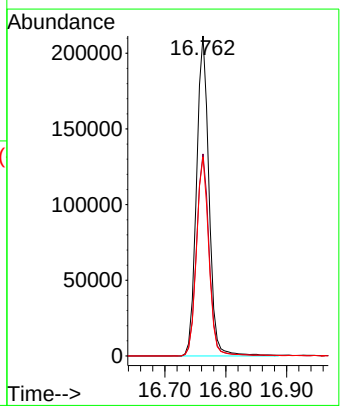


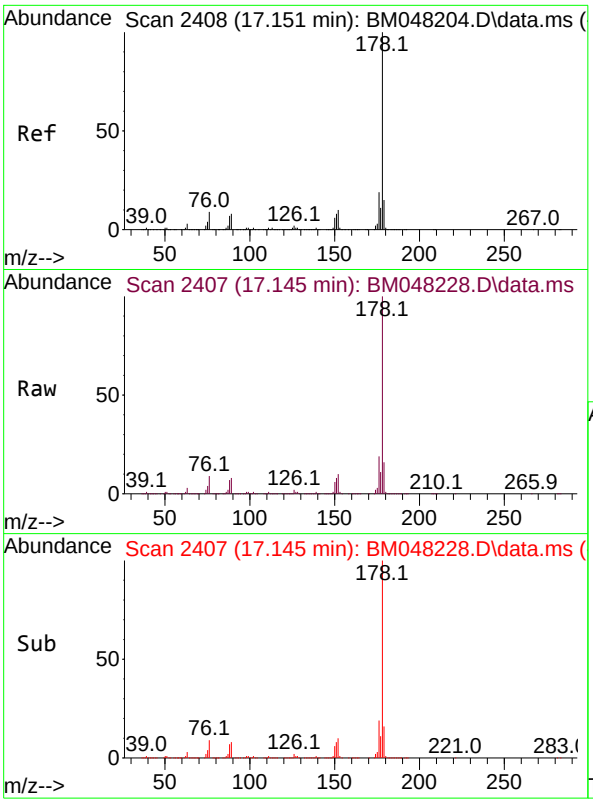


#70
Pentachlorophenol
Concen: 40.706 ng
RT: 16.762 min Scan# 2342
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:266 Resp: 301050

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.8	76.2
264	62.2	50.2	75.2

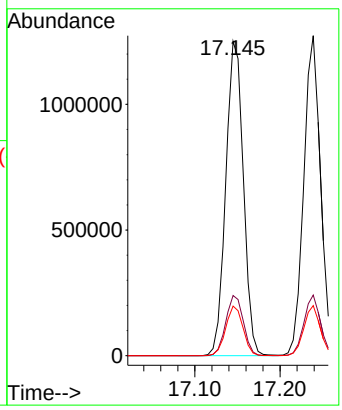




#71
Phenanthrene
Concen: 39.172 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:178 Resp: 179436

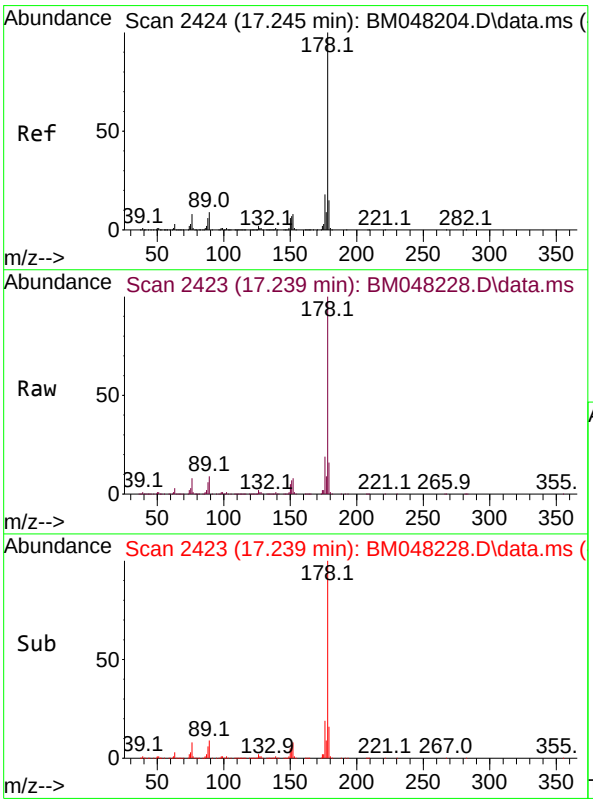
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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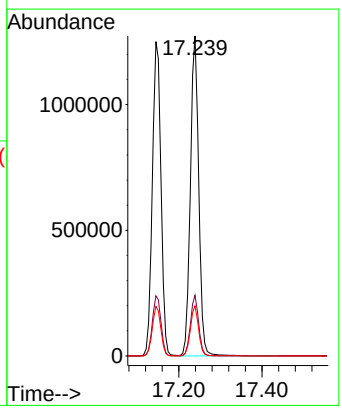
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

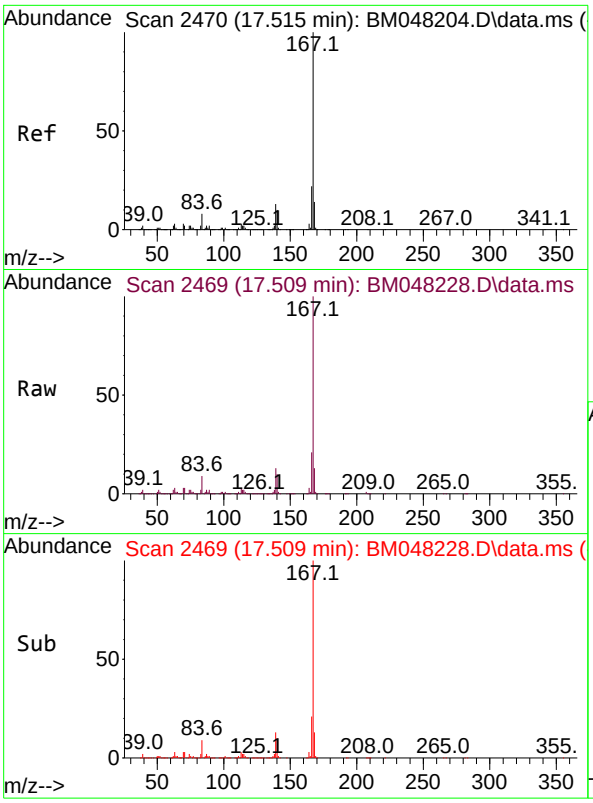


#72
Anthracene
Concen: 39.917 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:178 Resp: 1770027

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.2	18.2





#73
Carbazole
Concen: 38.420 ng
RT: 17.509 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

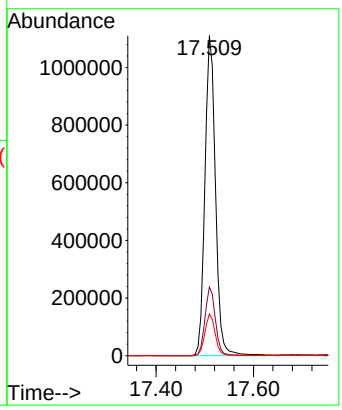
Tgt Ion:167 Resp: 167008

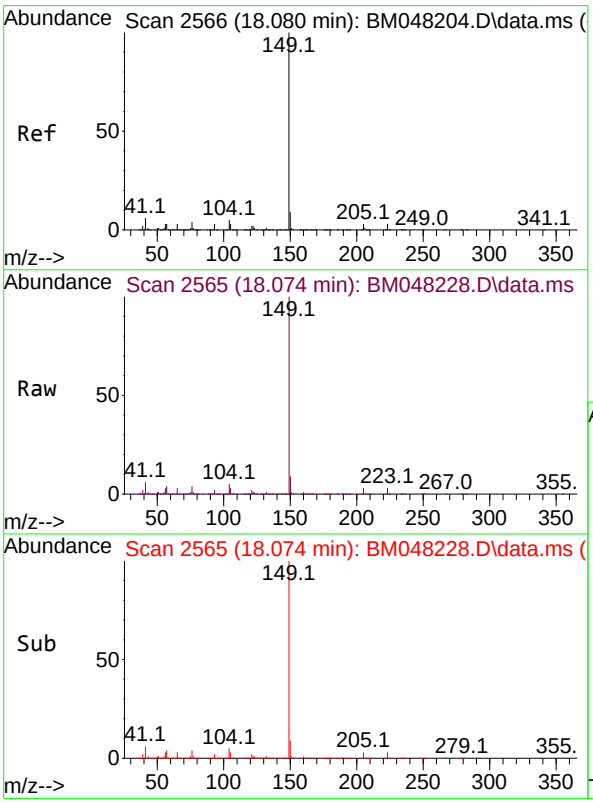
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	13.1	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 10/28/2024

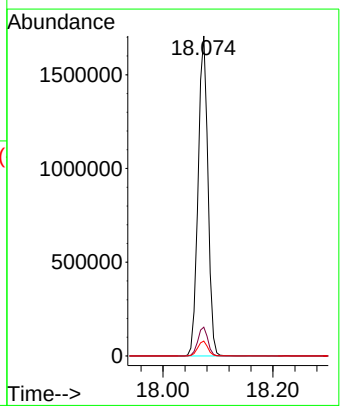


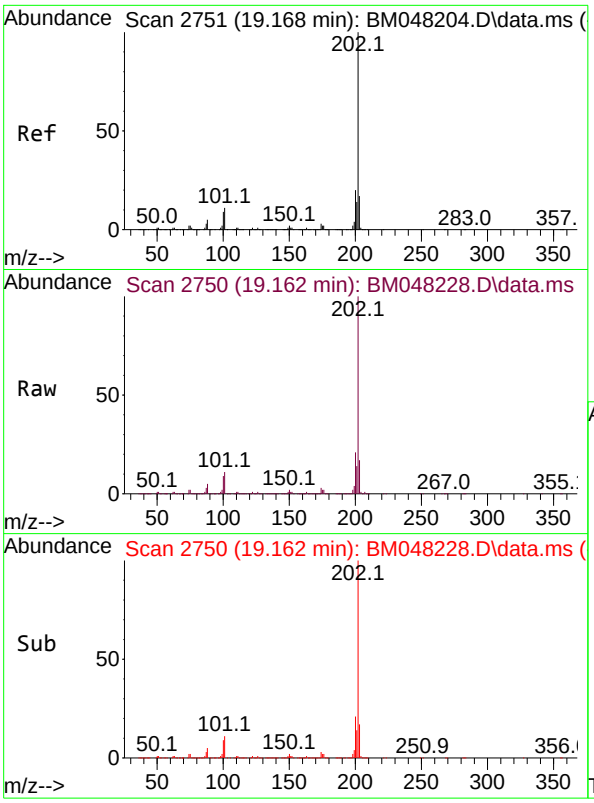


#74
Di-n-butylphthalate
Concen: 39.136 ng
RT: 18.074 min Scan# 2565
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:149 Resp: 2117547

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.6	3.8	5.6

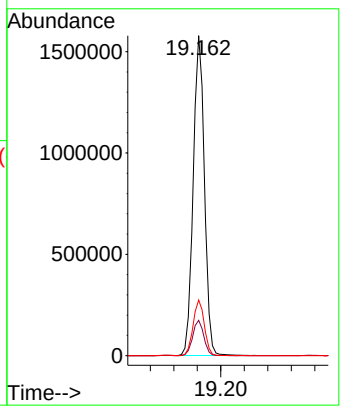




#75
Fluoranthene
Concen: 38.373 ng
RT: 19.162 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:202 Resp: 209674

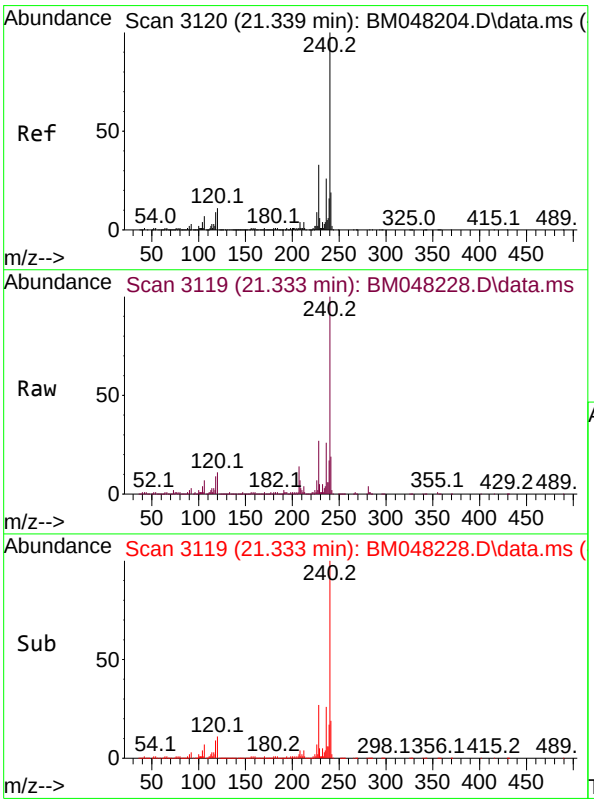
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	17.4	0.0	37.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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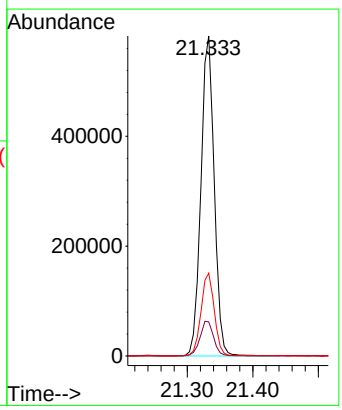
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

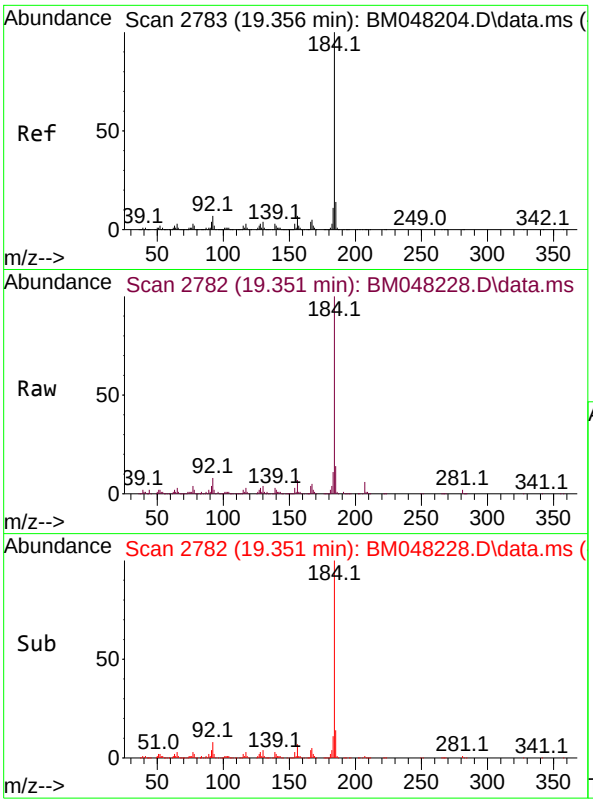


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:240 Resp: 823670

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.6	13.0
236	25.9	20.7	31.1





#77
Benzidine
Concen: 49.826 ng
RT: 19.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

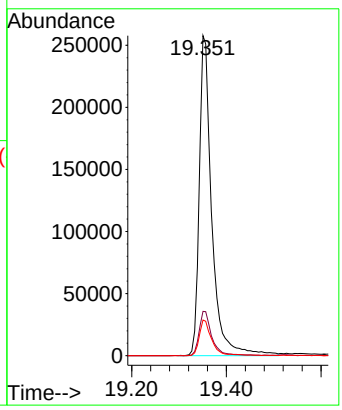
Tgt Ion:184 Resp: 47364

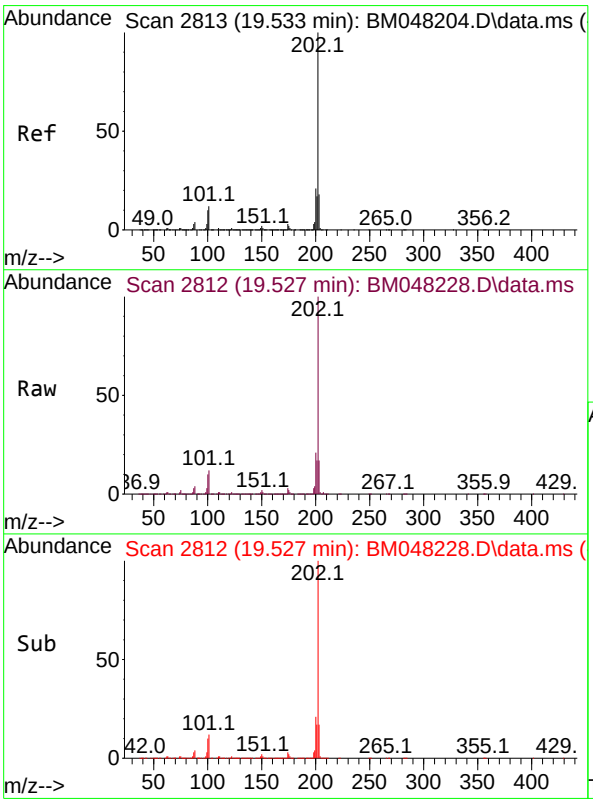
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.0
183	11.2	9.0	13.4

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

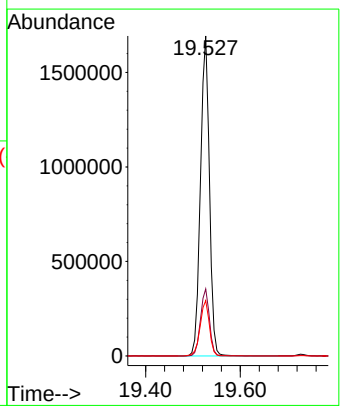


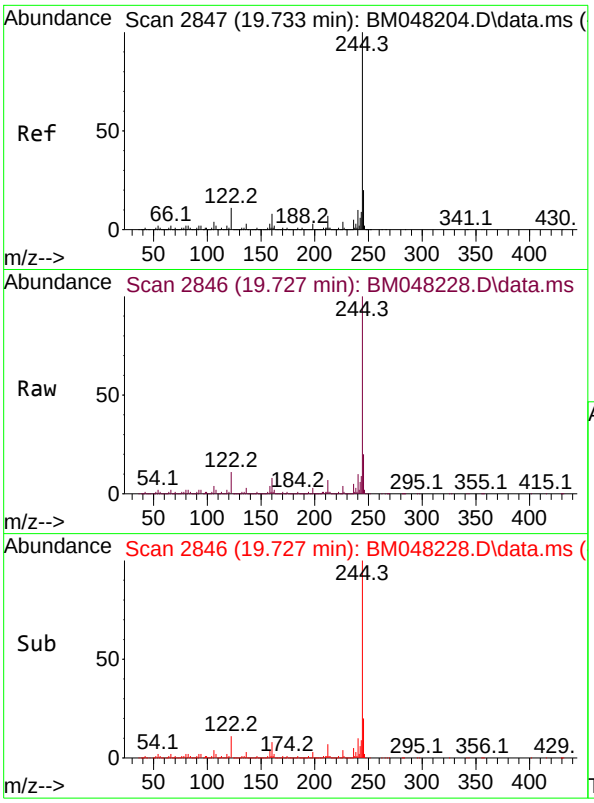


#78
Pyrene
Concen: 40.149 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:202 Resp: 2213443

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.1	21.1





#79
Terphenyl-d14
Concen: 81.688 ng
RT: 19.727 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

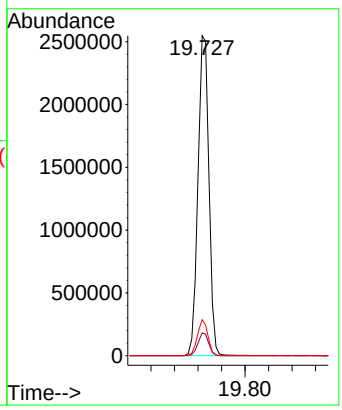
Tgt Ion:244 Resp: 329703

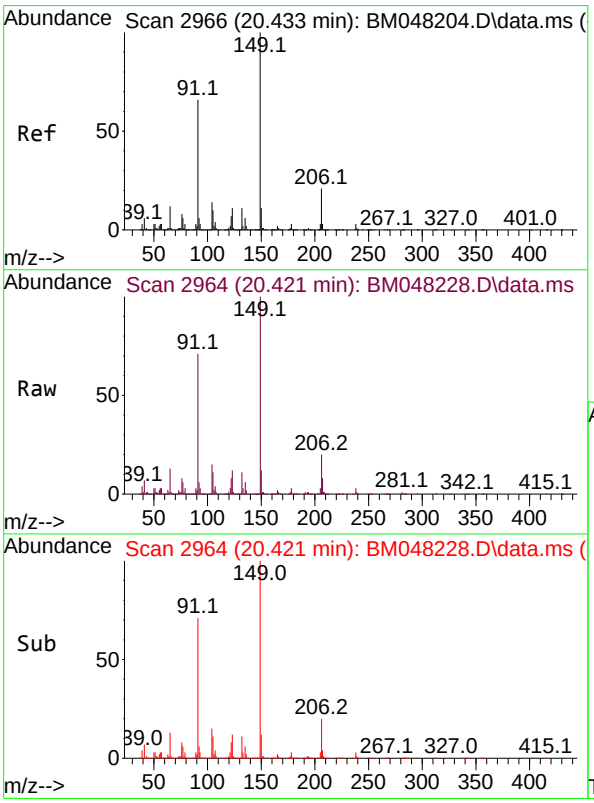
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	8.8	13.2

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

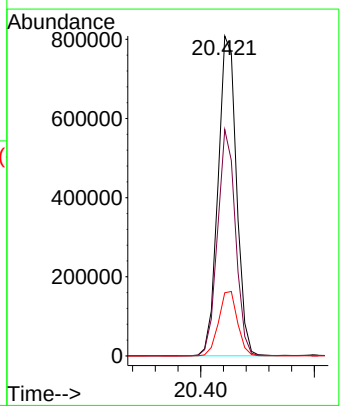


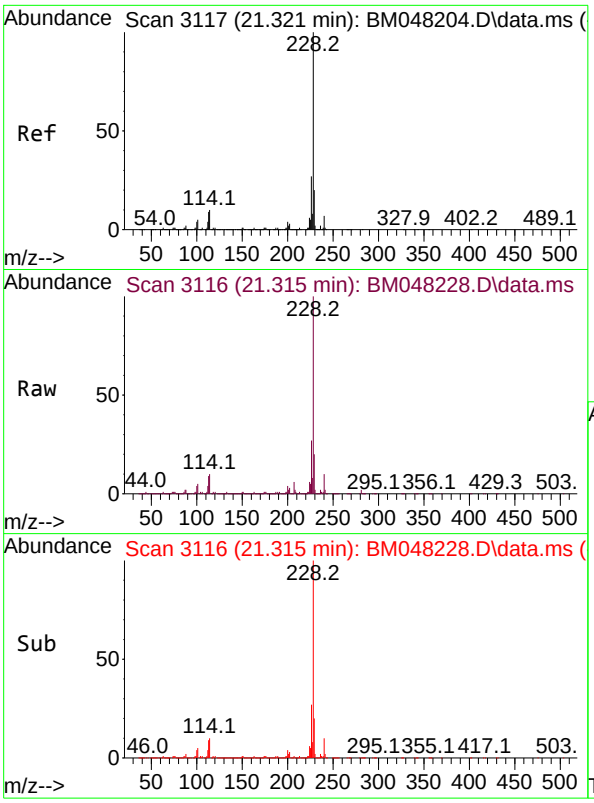


#80
Butylbenzylphthalate
Concen: 39.580 ng
RT: 20.421 min Scan# 2964
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:149 Resp: 912468

Ion	Ratio	Lower	Upper
149	100		
91	70.7	52.5	78.7
206	19.8	17.0	25.6





#81
Benzo(a)anthracene
Concen: 39.167 ng
RT: 21.315 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

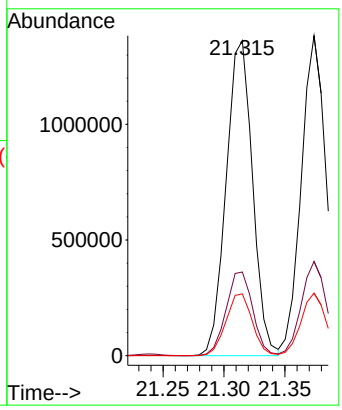
Tgt Ion:228 Resp: 206156

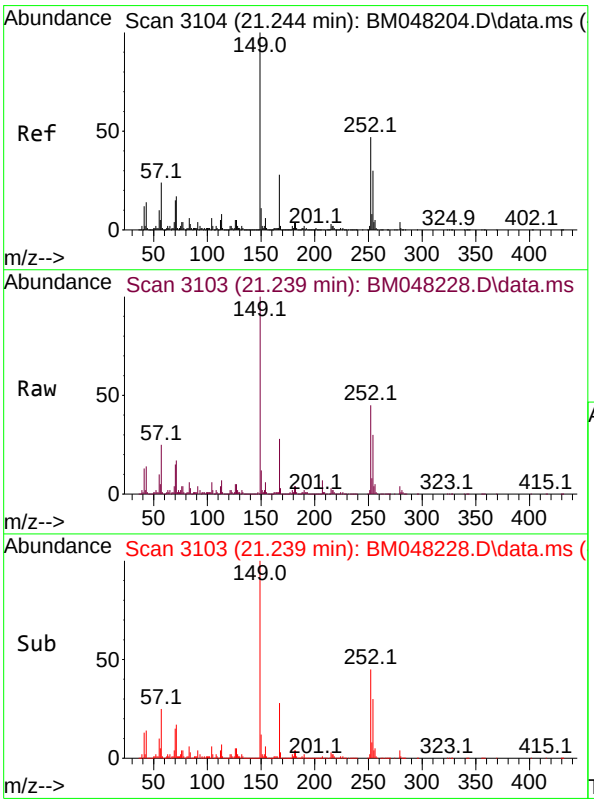
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.5	32.3
229	19.6	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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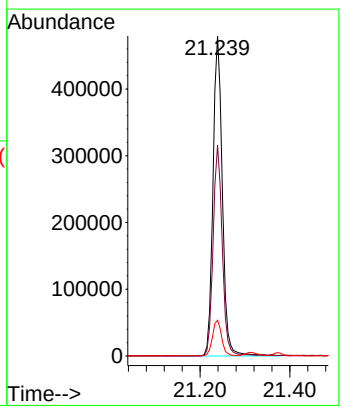


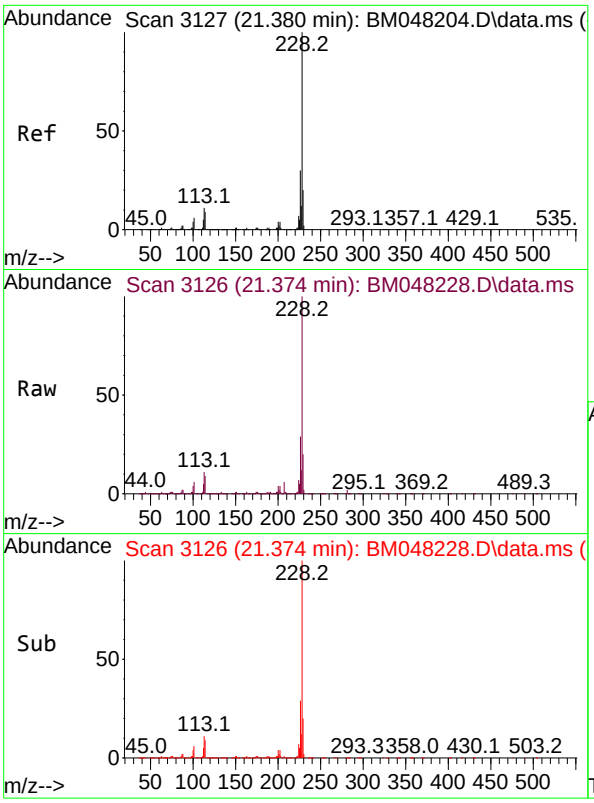


#82
3,3'-Dichlorobenzidine
Concen: 38.554 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:252 Resp: 695082

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.8	77.8
126	11.1	8.8	13.2





#83
Chrysene
Concen: 39.141 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

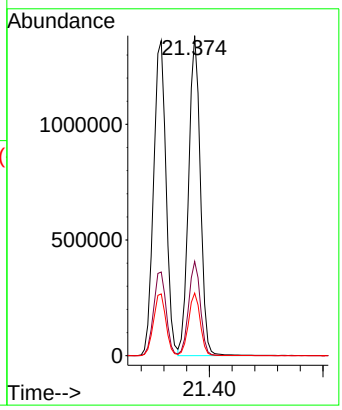
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

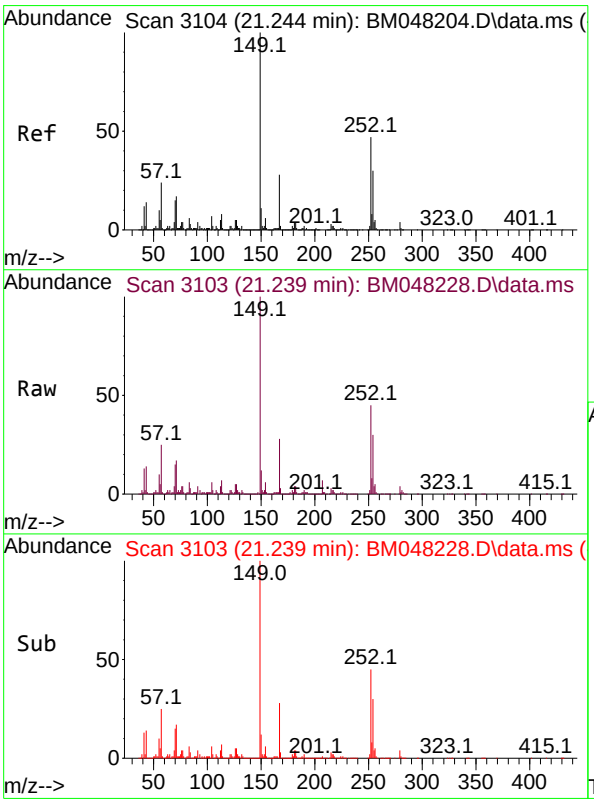
Tgt Ion:228 Resp: 197746

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	19.6	15.7	23.5

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Supervised By :mohammad ahmed 10/28/2024

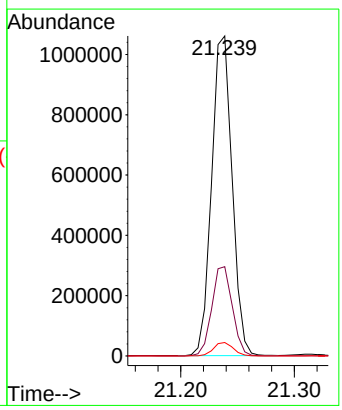


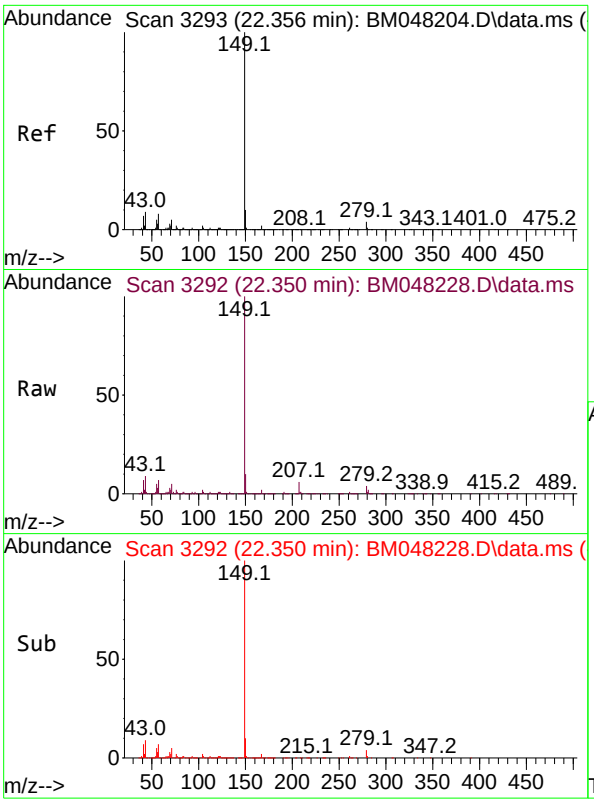


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.716 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:149 Resp: 1330785

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.5	33.7
279	4.2	3.3	4.9

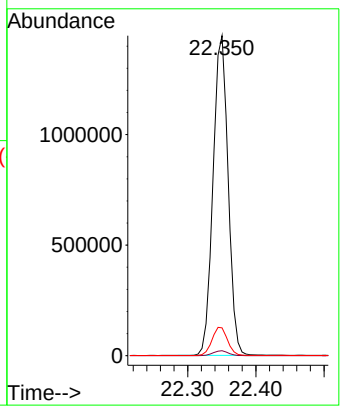




#85
Di-n-octyl phthalate
Concen: 38.358 ng
RT: 22.350 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:149 Resp: 222602

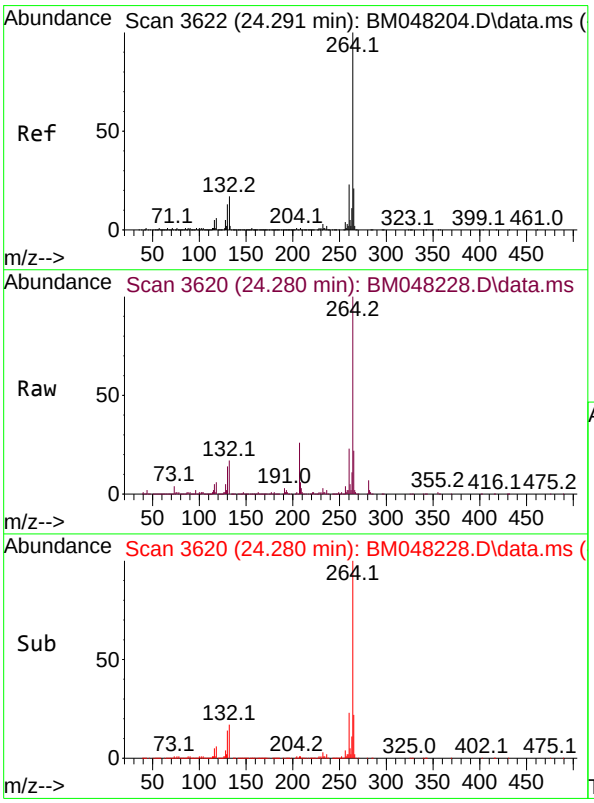
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.2	7.3	10.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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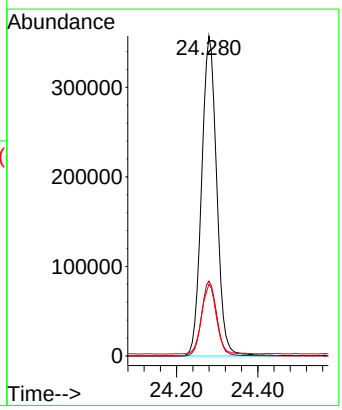
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

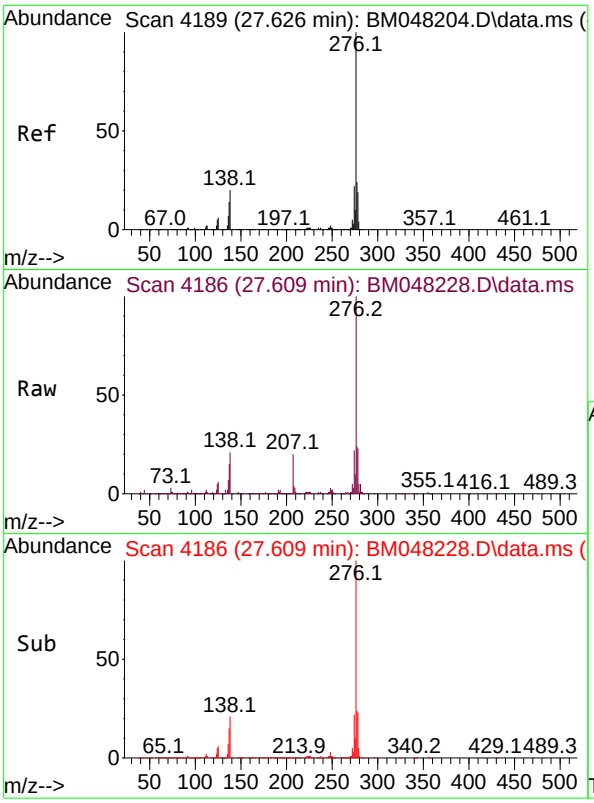


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.280 min Scan# 3620
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:264 Resp: 921417

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	22.4	17.4	26.2

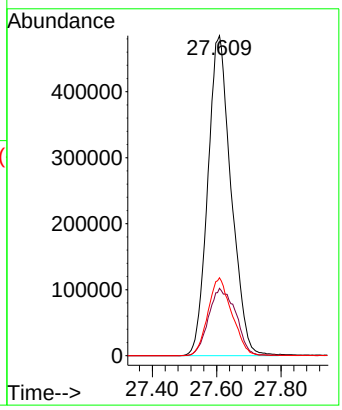




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.026 ng
RT: 27.609 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:276 Resp: 243878

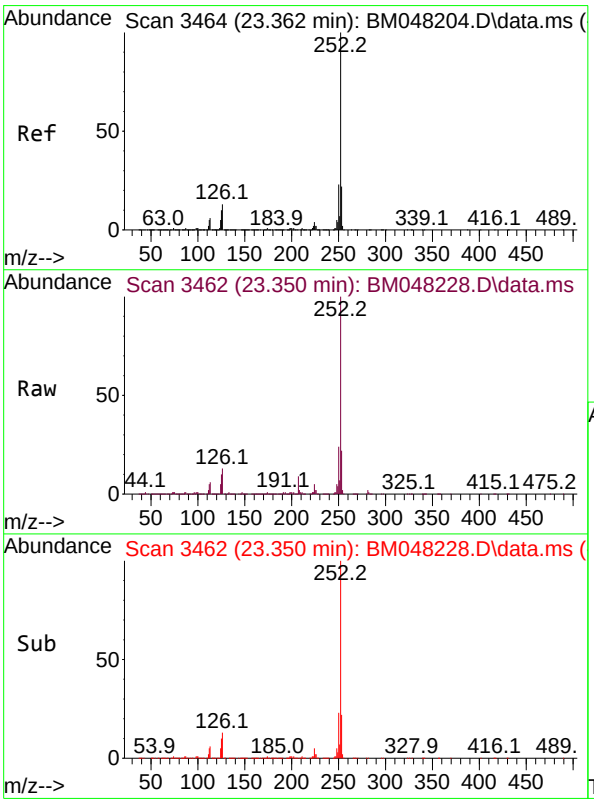
Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.8	29.6
277	25.0	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

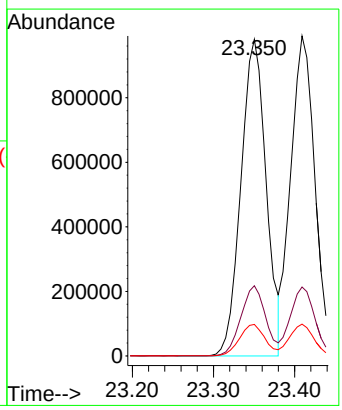
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

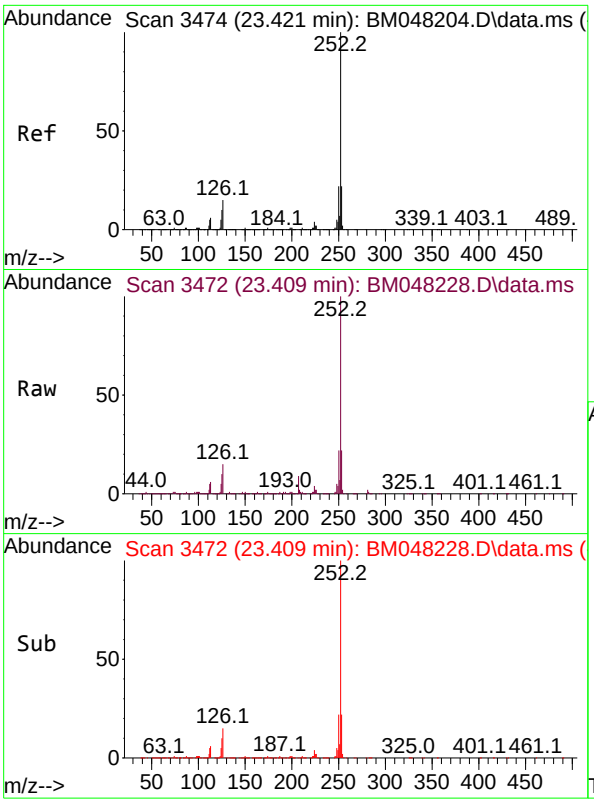


#88
Benzo(b)fluoranthene
Concen: 40.140 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:252 Resp: 2120628

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.9	7.9	11.9

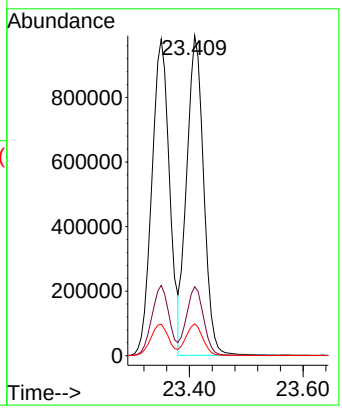




#89
Benzo(k)fluoranthene
Concen: 40.303 ng
RT: 23.409 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:252 Resp: 205861

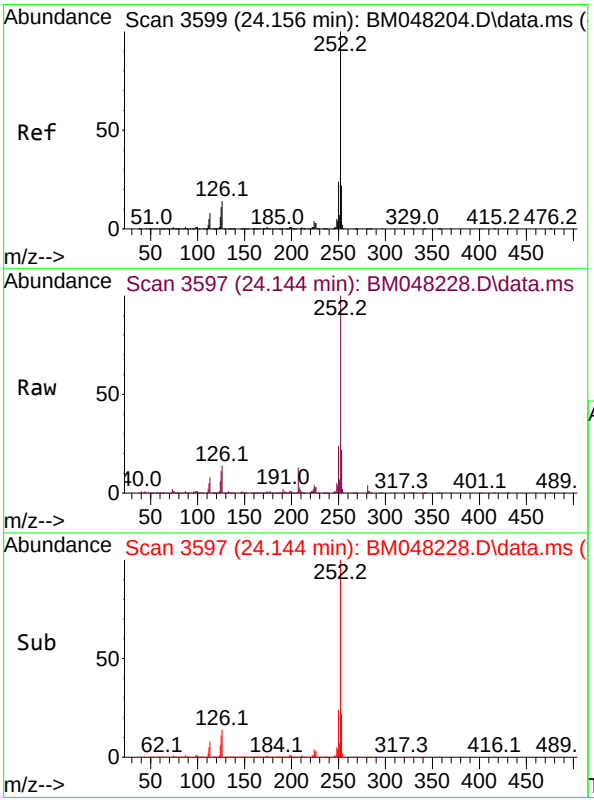
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	9.9	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

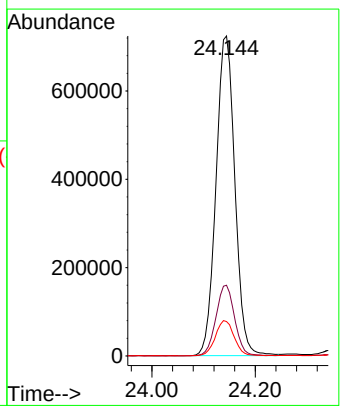
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

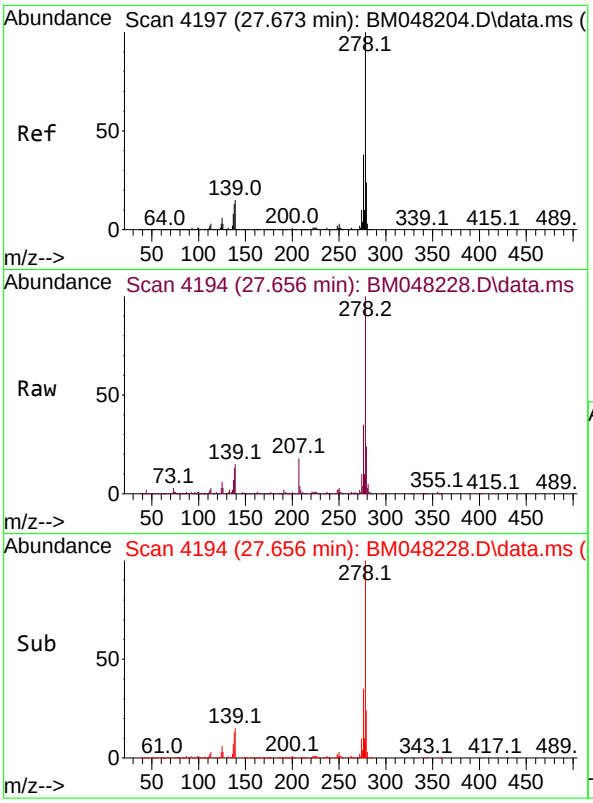


#90
Benzo(a)pyrene
Concen: 40.027 ng
RT: 24.144 min Scan# 3597
Delta R.T. -0.012 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:252 Resp: 1838417

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	10.7	8.8	13.2

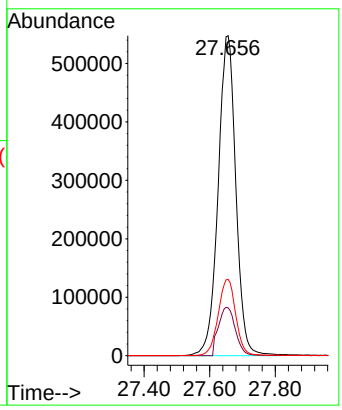




#91
Dibenzo(a,h)anthracene
Concen: 40.389 ng
RT: 27.656 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:278 Resp: 204931

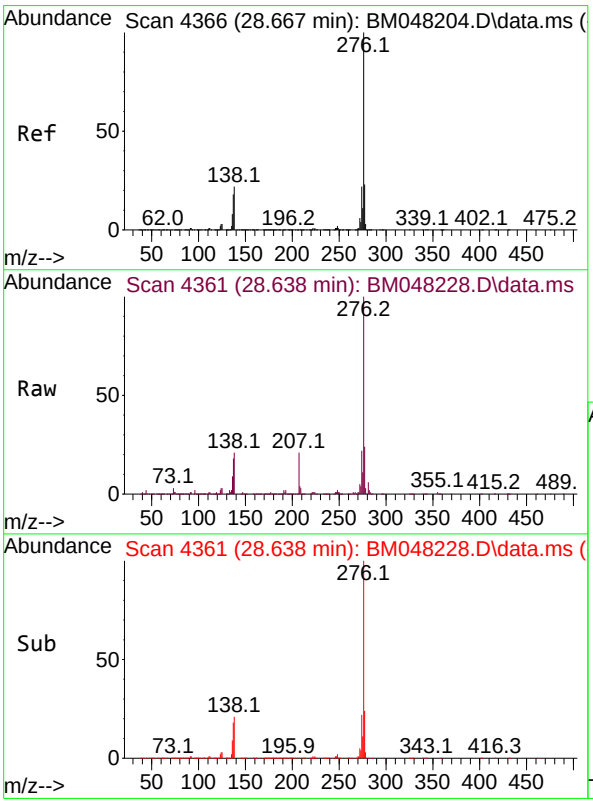
Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	23.9	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

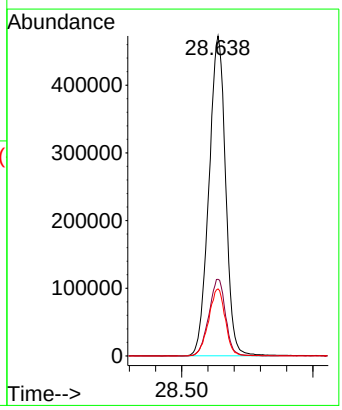
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#92
Benzo(g,h,i)perylene
Concen: 40.122 ng
RT: 28.638 min Scan# 4361
Delta R.T. -0.029 min
Lab File: BM048228.D
Acq: 25 Oct 2024 08:49

Tgt Ion:276 Resp: 2084671

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	21.0	17.5	26.3



Sample Results: **BM048228.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	128	0.00
2		1,4-Dioxane	0.487	0.470	3.5	120	0.00
3		Pyridine	1.294	1.251	3.3	120	0.00
4		n-Nitrosodimethylamine	0.549	0.536	2.4	120	0.00
5	S	2-Fluorophenol	1.190	1.150	3.4	121	0.00
6		Aniline	1.286	1.289	-0.2	119	-0.01
7	S	Phenol-d6	1.550	1.488	4.0	119	0.00
8		2-Chlorophenol	1.293	1.249	3.4	121	0.00
9		Benzaldehyde	0.761	0.656	13.8	111	0.00
10	C	Phenol	1.559	1.504	3.5	120	-0.01
11		bis(2-Chloroethyl)ether	1.242	1.206	2.9	121	0.00
12		1,3-Dichlorobenzene	1.490	1.451	2.6	123	0.00
13	C	1,4-Dichlorobenzene	1.514	1.477	2.4	125	0.00
14		1,2-Dichlorobenzene	1.463	1.425	2.6	123	0.00
15		Benzyl Alcohol	0.989	0.941	4.9	115	0.00
16		2,2'-oxybis(1-Chloropropane	1.816	1.761	3.0	123	0.00
17		2-Methylphenol	1.036	0.994	4.1	119	0.00
18		Hexachloroethane	0.555	0.537	3.2	122	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.926	5.5	117	0.00
20		3+4-Methylphenols	1.435	1.367	4.7	115	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00
22		Acetophenone	0.488	0.480	1.6	119	0.00
23	S	Nitrobenzene-d5	0.354	0.351	0.8	118	0.00
24		Nitrobenzene	0.367	0.362	1.4	118	0.00
25		Isophorone	0.649	0.616	5.1	114	0.00
26	C	2-Nitrophenol	0.169	0.167	1.2	115	0.00
27		2,4-Dimethylphenol	0.206	0.201	2.4	116	-0.01
28		bis(2-Chloroethoxy)methane	0.411	0.404	1.7	117	-0.01
29	C	2,4-Dichlorophenol	0.296	0.294	0.7	117	-0.01
30		1,2,4-Trichlorobenzene	0.339	0.336	0.9	121	0.00
31		Naphthalene	1.043	1.014	2.8	119	0.00
32		Benzoic acid	0.229	0.214	6.6	107	0.00
33		4-Chloroaniline	0.338	0.347	-2.7	115	0.00
34	C	Hexachlorobutadiene	0.210	0.208	1.0	121	0.00
35		Caprolactam	0.096	0.088	8.3	105	-0.01
36	C	4-Chloro-3-methylphenol	0.309	0.294	4.9	113	0.00
37		2-Methylnaphthalene	0.697	0.672	3.6	116	0.00
38		1-Methylnaphthalene	0.691	0.667	3.5	116	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00
40		1,2,4,5-Tetrachlorobenzene	0.572	0.576	-0.7	117	-0.01
41	P	Hexachlorocyclopentadiene	0.193	0.203	-5.2	118	0.00
42	S	2,4,6-Tribromophenol	0.245	0.240	2.0	109	0.00
43	C	2,4,6-Trichlorophenol	0.379	0.380	-0.3	113	0.00
44		2,4,5-Trichlorophenol	0.423	0.425	-0.5	113	0.00
45	S	2-Fluorobiphenyl	1.303	1.310	-0.5	115	0.00
46		1,1'-Biphenyl	1.428	1.430	-0.1	116	0.00
47		2-Chloronaphthalene	1.126	1.129	-0.3	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	0.305	0.306	-0.3	109	0.00
49		Acenaphthylene	1.643	1.624	1.2	113	0.00
50		Dimethylphthalate	1.365	1.301	4.7	109	0.00
51		2,6-Dinitrotoluene	0.305	0.299	2.0	109	0.00
52	C	Acenaphthene	1.044	1.027	1.6	113	0.00
53		3-Nitroaniline	0.287	0.295	-2.8	108	0.00
54	P	2,4-Dinitrophenol	0.178	0.163	8.4	102	0.00
55		Dibenzofuran	1.658	1.615	2.6	112	0.00
56	P	4-Nitrophenol	0.256	0.244	4.7	104	0.00
57		2,4-Dinitrotoluene	0.402	0.396	1.5	107	0.00
58		Fluorene	1.311	1.289	1.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.351	0.345	1.7	110	0.00
60		Diethylphthalate	1.382	1.330	3.8	110	0.00
61		4-Chlorophenyl-phenylether	0.656	0.650	0.9	114	0.00
62		4-Nitroaniline	0.297	0.299	-0.7	104	0.00
63		Azobenzene	1.239	1.250	-0.9	112	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00
65		4,6-Dinitro-2-methylphenol	0.116	0.117	-0.9	104	0.00
66	c	n-Nitrosodiphenylamine	0.549	0.548	0.2	110	0.00
67		4-Bromophenyl-phenylether	0.203	0.201	1.0	110	0.00
68		Hexachlorobenzene	0.244	0.241	1.2	110	0.00
69		Atrazine	0.154	0.143	7.1	88	0.00
70	C	Pentachlorophenol	0.160	0.163	-1.9	108	0.00
71		Phenanthrene	0.990	0.970	2.0	109	0.00
72		Anthracene	0.959	0.957	0.2	110	0.00
73		Carbazole	0.940	0.903	3.9	104	0.00
74		Di-n-butylphthalate	1.170	1.145	2.1	105	0.00
75	C	Fluoranthene	1.181	1.133	4.1	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.231	0.288	-24.7	90	0.00
78		Pyrene	1.339	1.344	-0.4	106	0.00
79	S	Terphenyl-d14	0.980	1.001	-2.1	106	0.00
80		Butylbenzylphthalate	0.560	0.554	1.1	101	-0.01
81		Benzo(a)anthracene	1.278	1.251	2.1	104	0.00
82		3,3'-Dichlorobenzidine	0.438	0.422	3.7	96	0.00
83		Chrysene	1.227	1.200	2.2	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.814	0.808	0.7	101	0.00
85	c	Di-n-octyl phthalate	1.409	1.351	4.1	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	-0.01
87		Indeno(1,2,3-cd)pyrene	1.323	1.323	0.0	100	-0.02
88		Benzo(b)fluoranthene	1.147	1.151	-0.3	101	-0.01
89		Benzo(k)fluoranthene	1.109	1.117	-0.7	101	-0.01
90	C	Benzo(a)pyrene	0.997	0.998	-0.1	100	-0.01
91		Dibenzo(a,h)anthracene	1.101	1.112	-1.0	101	-0.02
92		Benzo(g,h,i)perylene	1.128	1.131	-0.3	102	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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: **BM048228.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	128	0.00
2		1,4-Dioxane	40.000	38.561	3.6	120	0.00
3		Pyridine	40.000	38.690	3.3	120	0.00
4		n-Nitrosodimethylamine	40.000	39.066	2.3	120	0.00
5	S	2-Fluorophenol	80.000	77.323	3.3	121	0.00
6		Aniline	40.000	40.082	-0.2	119	-0.01
7	S	Phenol-d6	80.000	76.830	4.0	119	0.00
8		2-Chlorophenol	40.000	38.645	3.4	121	0.00
9		Benzaldehyde	40.000	34.485	13.8	111	0.00
10	C	Phenol	40.000	38.580	3.6	120	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.860	2.9	121	0.00
12		1,3-Dichlorobenzene	40.000	38.934	2.7	123	0.00
13	C	1,4-Dichlorobenzene	40.000	39.032	2.4	125	0.00
14		1,2-Dichlorobenzene	40.000	38.963	2.6	123	0.00
15		Benzyl Alcohol	40.000	38.062	4.8	115	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.776	3.1	123	0.00
17		2-Methylphenol	40.000	38.397	4.0	119	0.00
18		Hexachloroethane	40.000	38.686	3.3	122	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.781	5.5	117	0.00
20		3+4-Methylphenols	40.000	38.110	4.7	115	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	124	0.00
22		Acetophenone	40.000	39.353	1.6	119	0.00
23	S	Nitrobenzene-d5	80.000	79.227	1.0	118	0.00
24		Nitrobenzene	40.000	39.420	1.4	118	0.00
25		Isophorone	40.000	37.949	5.1	114	0.00
26	C	2-Nitrophenol	40.000	39.454	1.4	115	0.00
27		2,4-Dimethylphenol	40.000	39.065	2.3	116	-0.01
28		bis(2-Chloroethoxy)methane	40.000	39.358	1.6	117	-0.01
29	C	2,4-Dichlorophenol	40.000	39.766	0.6	117	-0.01
30		1,2,4-Trichlorobenzene	40.000	39.688	0.8	121	0.00
31		Naphthalene	40.000	38.881	2.8	119	0.00
32		Benzoic acid	40.000	37.454	6.4	107	0.00
33		4-Chloroaniline	40.000	41.053	-2.6	115	0.00
34	C	Hexachlorobutadiene	40.000	39.546	1.1	121	0.00
35		Caprolactam	40.000	36.554	8.6	105	-0.01
36	C	4-Chloro-3-methylphenol	40.000	38.067	4.8	113	0.00
37		2-Methylnaphthalene	40.000	38.584	3.5	116	0.00
38		1-Methylnaphthalene	40.000	38.579	3.6	116	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	118	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.312	-0.8	117	-0.01
41	P	Hexachlorocyclopentadiene	40.000	42.007	-5.0	118	0.00
42	S	2,4,6-Tribromophenol	80.000	78.520	1.9	109	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.027	-0.1	113	0.00
44		2,4,5-Trichlorophenol	40.000	40.142	-0.4	113	0.00
45	S	2-Fluorobiphenyl	80.000	80.398	-0.5	115	0.00
46		1,1'-Biphenyl	40.000	40.061	-0.2	116	0.00
47		2-Chloronaphthalene	40.000	40.116	-0.3	115	0.00

Sample Results: **BM048228.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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	40.064	-0.2	109	0.00
49		Acenaphthylene	40.000	39.557	1.1	113	0.00
50		Dimethylphthalate	40.000	38.101	4.7	109	0.00
51		2,6-Dinitrotoluene	40.000	39.311	1.7	109	0.00
52	C	Acenaphthene	40.000	39.371	1.6	113	0.00
53		3-Nitroaniline	40.000	41.063	-2.7	108	0.00
54	P	2,4-Dinitrophenol	40.000	36.646	8.4	102	0.00
55		Dibenzofuran	40.000	38.956	2.6	112	0.00
56	P	4-Nitrophenol	40.000	38.031	4.9	104	0.00
57		2,4-Dinitrotoluene	40.000	39.345	1.6	107	0.00
58		Fluorene	40.000	39.327	1.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.382	1.5	110	0.00
60		Diethylphthalate	40.000	38.482	3.8	110	0.00
61		4-Chlorophenyl-phenylether	40.000	39.640	0.9	114	0.00
62		4-Nitroaniline	40.000	40.252	-0.6	104	0.00
63		Azobenzene	40.000	40.365	-0.9	112	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	114	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.476	-1.2	104	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.943	0.1	110	0.00
67		4-Bromophenyl-phenylether	40.000	39.562	1.1	110	0.00
68		Hexachlorobenzene	40.000	39.568	1.1	110	0.00
69		Atrazine	40.000	37.220	7.0	88	0.00
70	C	Pentachlorophenol	40.000	40.706	-1.8	108	0.00
71		Phenanthrene	40.000	39.172	2.1	109	0.00
72		Anthracene	40.000	39.917	0.2	110	0.00
73		Carbazole	40.000	38.420	3.9	104	0.00
74		Di-n-butylphthalate	40.000	39.136	2.2	105	0.00
75	C	Fluoranthene	40.000	38.373	4.1	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	49.826	-24.6	90	0.00
78		Pyrene	40.000	40.149	-0.4	106	0.00
79	S	Terphenyl-d14	80.000	81.688	-2.1	106	0.00
80		Butylbenzylphthalate	40.000	39.580	1.1	101	-0.01
81		Benzo(a)anthracene	40.000	39.167	2.1	104	0.00
82		3,3'-Dichlorobenzidine	40.000	38.554	3.6	96	0.00
83		Chrysene	40.000	39.141	2.1	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.716	0.7	101	0.00
85	c	Di-n-octyl phthalate	40.000	38.358	4.1	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.026	-0.1	100	-0.02
88		Benzo(b)fluoranthene	40.000	40.140	-0.4	101	-0.01
89		Benzo(k)fluoranthene	40.000	40.303	-0.8	101	-0.01
90	C	Benzo(a)pyrene	40.000	40.027	-0.1	100	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.389	-1.0	101	-0.02
92		Benzo(g,h,i)perylene	40.000	40.122	-0.3	102	-0.03

Sample Results: **BM048228.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048228.D
Acq On : 25 Oct 2024 08:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Oct 25 10:48:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
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

QC SAMPLE DATA

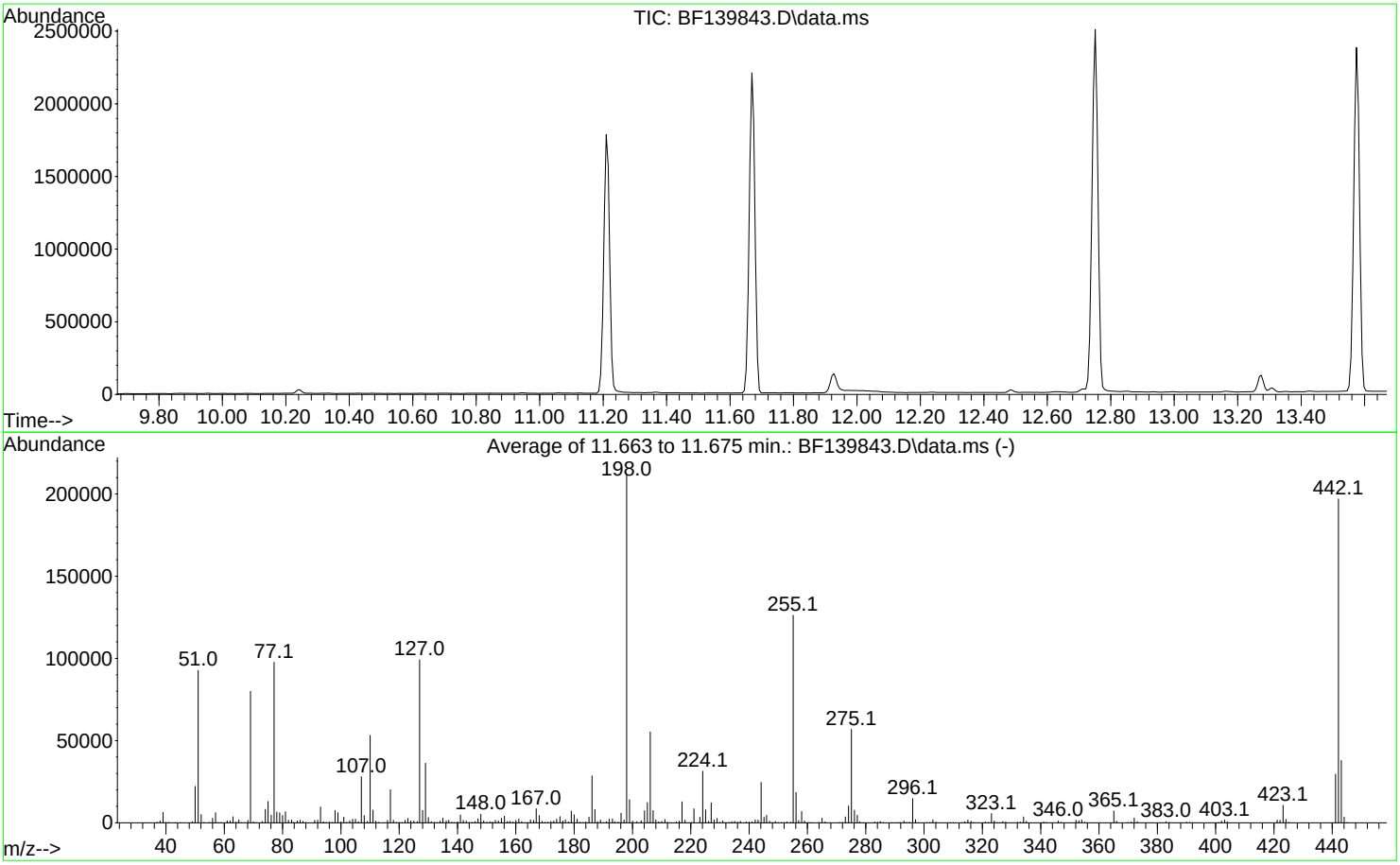
Sample Results: **BF139843.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024



AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1621

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.8	92701	PASS
68	69	0.00	2	1.9	1486	PASS
69	198	0.00	100	37.8	79959	PASS
70	69	0.00	2	0.7	529	PASS
127	198	10	80	46.9	99176	PASS
197	198	0.00	2	0.8	1650	PASS
198	198	100	100	100.0	211520	PASS
199	198	5	9	6.7	14078	PASS
275	198	10	60	26.9	56867	PASS
365	198	1	100	3.4	7148	PASS
441	198	0.01	100	14.0	29512	PASS
442	442	50	100	100.0	196979	PASS
443	442	15	24	19.2	37896	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/18/2024	BNA_F	BF139843.D
Compound Name	**Response**	**Retention Time**
DDT	585942	13.574
DDD	33558	13.274
DDE	421	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
33979	619921	5.48

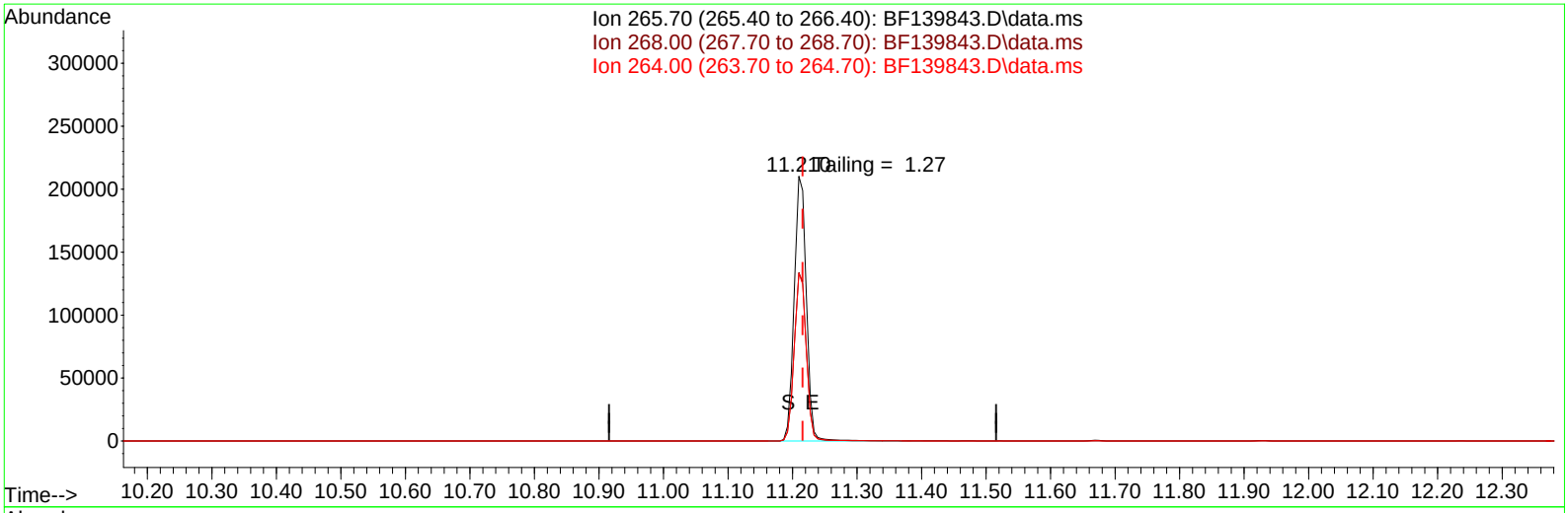
Instrument :
BNA_F
ClientSampleId :
DFTPP

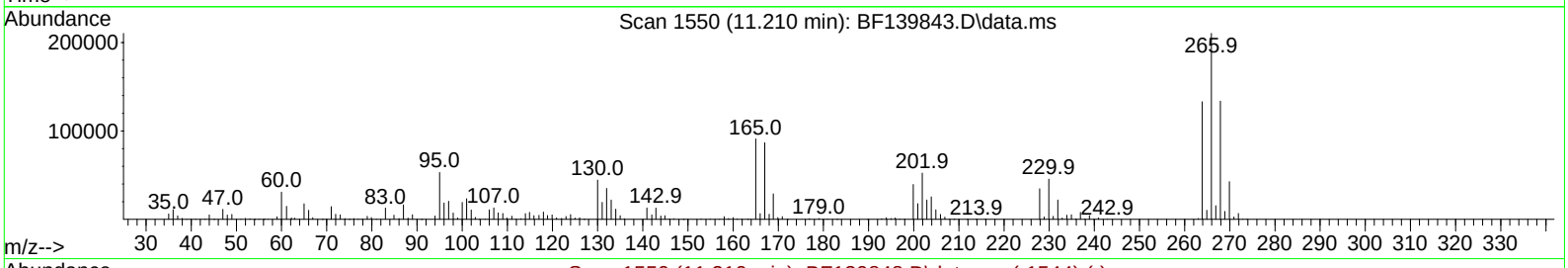
Sample Results: **BF139843.D**

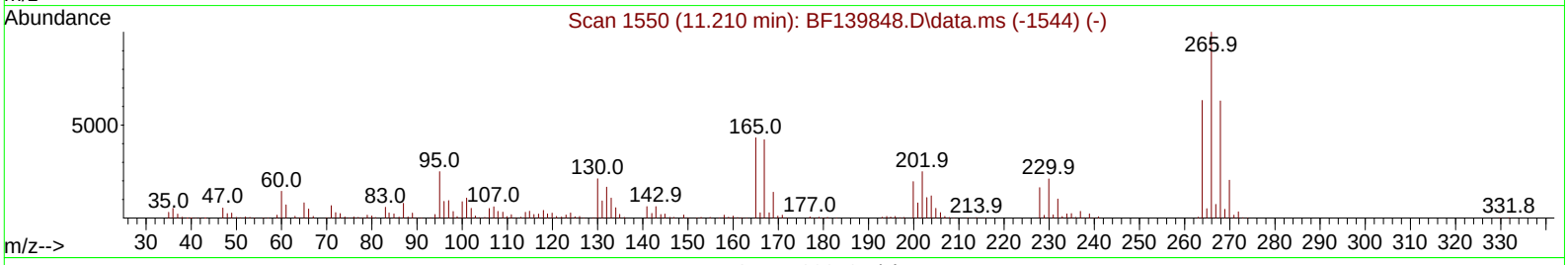
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 18 11:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 11:03:04 2024
Response via : Initial Calibration







TIC: BF139843.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 60102.24 ng

response 277191

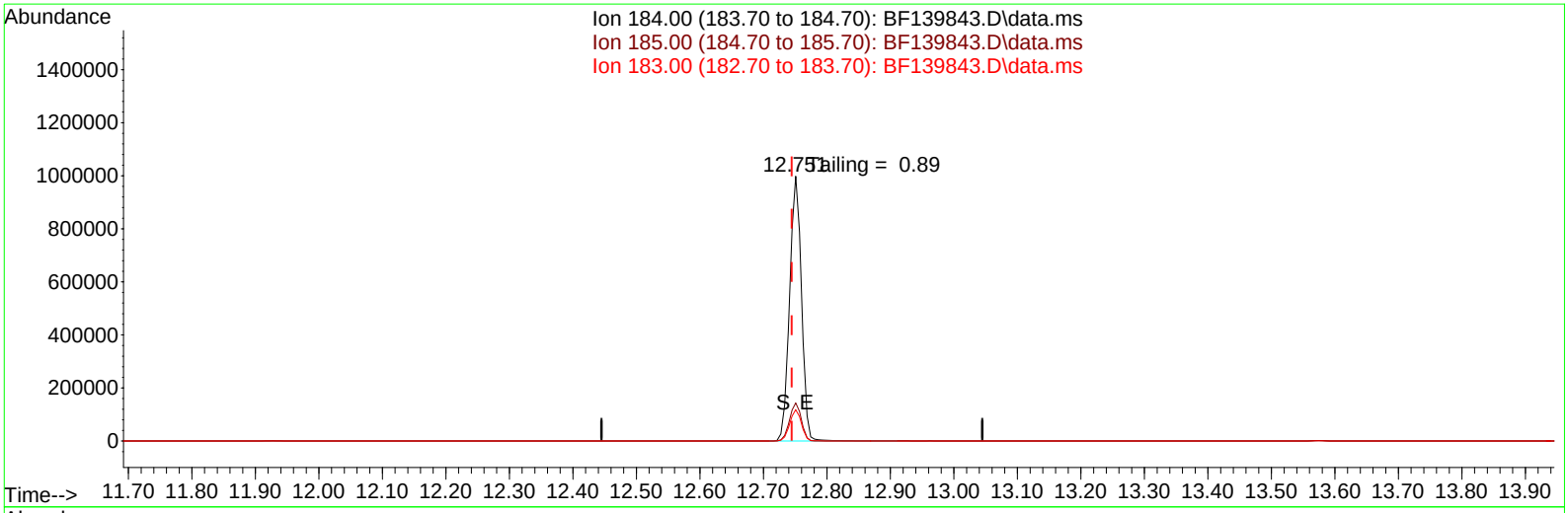
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.60
264.00	62.50	63.30
0.00	0.00	0.00

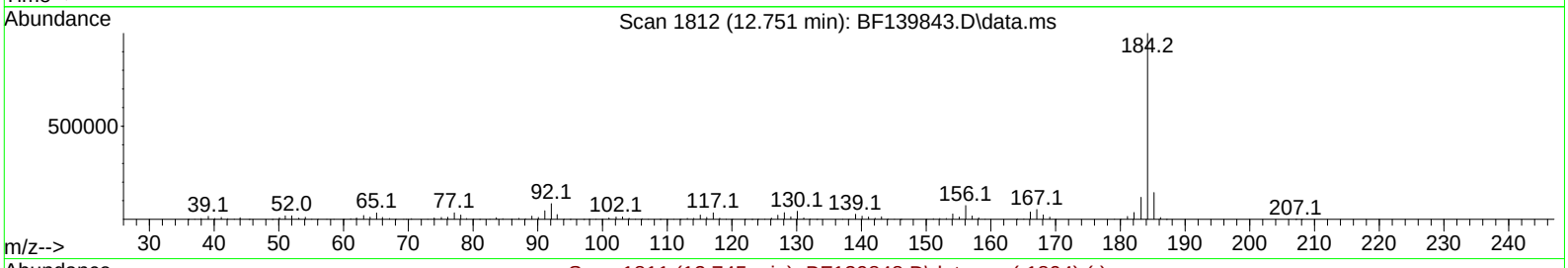
Sample Results: **BF139843.D**

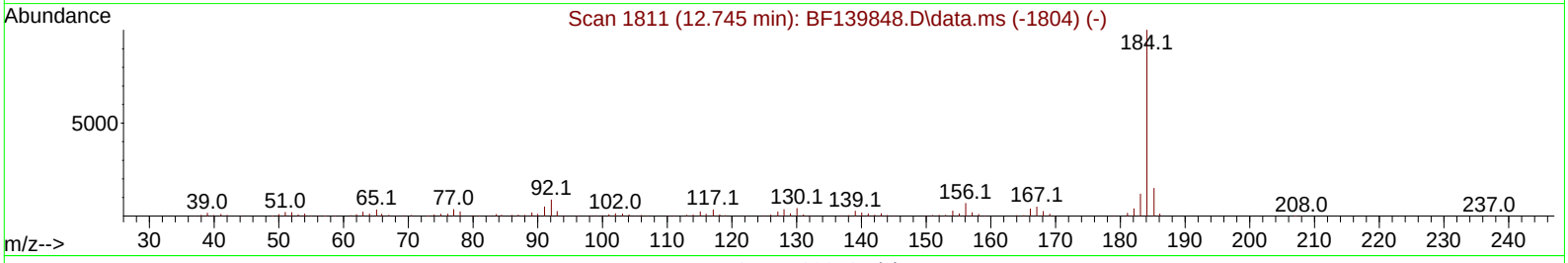
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139843.D
Acq On : 18 Oct 2024 09:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 18 11:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 11:03:04 2024
Response via : Initial Calibration







TIC: BF139843.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 86231.01 ng

response 1303015

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.39
183.00	11.70	11.82
0.00	0.00	0.00

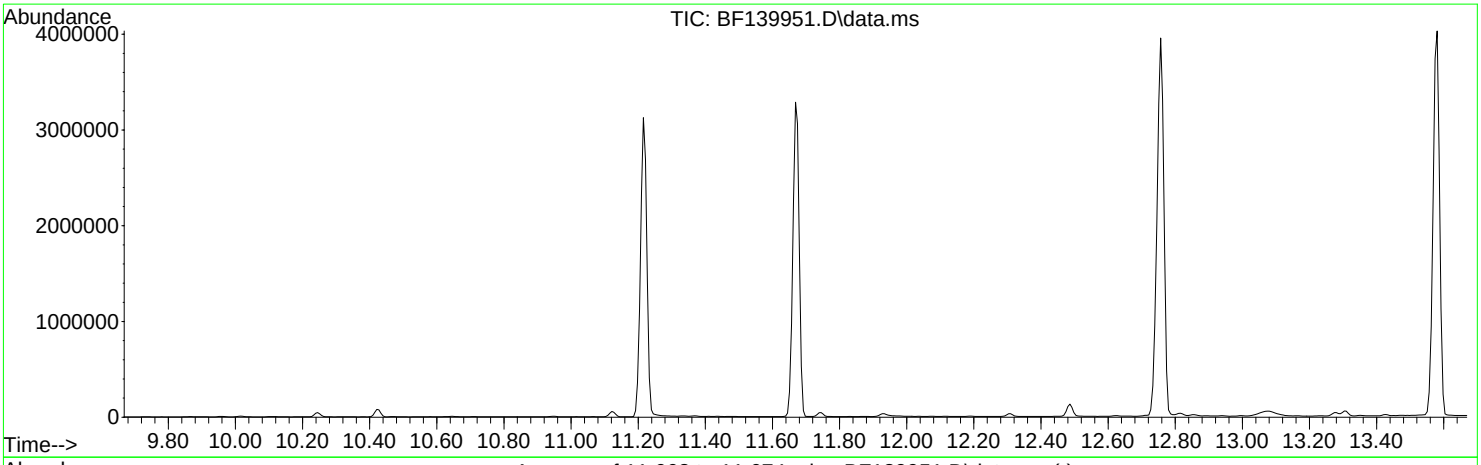
Sample Results: **BF139951.D**

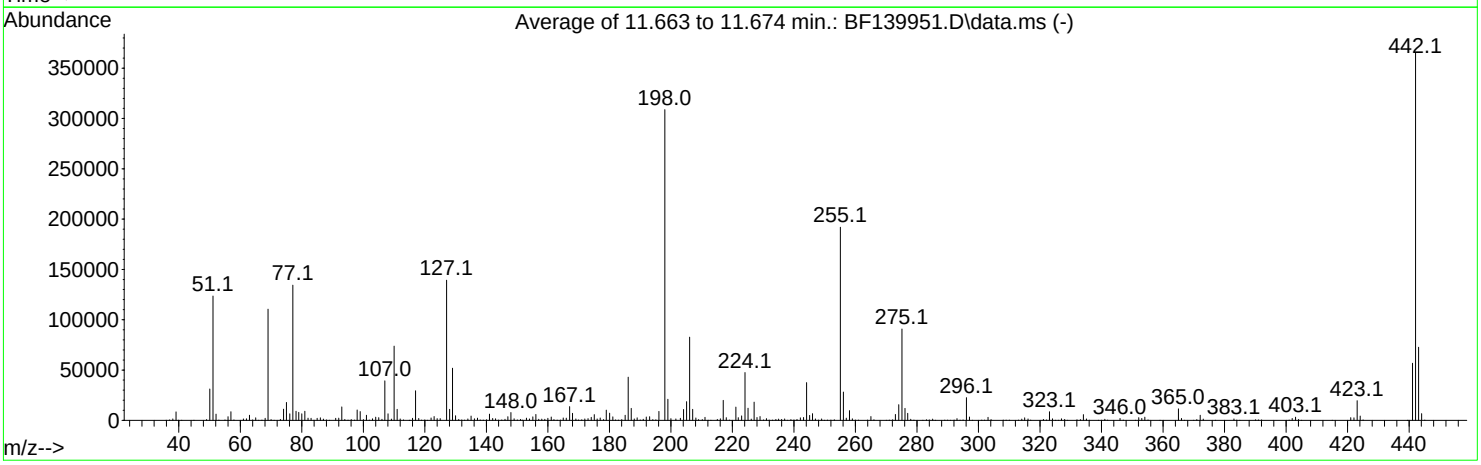
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139951.D
Acq On : 23 Oct 2024 08:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024





AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.0	123525	PASS
68	69	0.00	2	1.8	2014	PASS
69	198	0.00	100	35.8	110510	PASS
70	69	0.00	2	0.7	742	PASS
127	198	10	80	45.1	139315	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	308736	PASS
199	198	5	9	6.8	21040	PASS
275	198	10	60	29.4	90893	PASS
365	198	1	100	3.7	11511	PASS
441	198	0.01	100	18.4	56747	PASS
442	442	50	100	100.0	365589	PASS
443	442	15	24	19.9	72741	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/23/2024	BNA_F	BF139951.D
Compound Name	**Response**	**Retention Time**
DDT	1114000	13.58
DDD	17745	13.31
DDE	1145	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18890	1132890	1.67

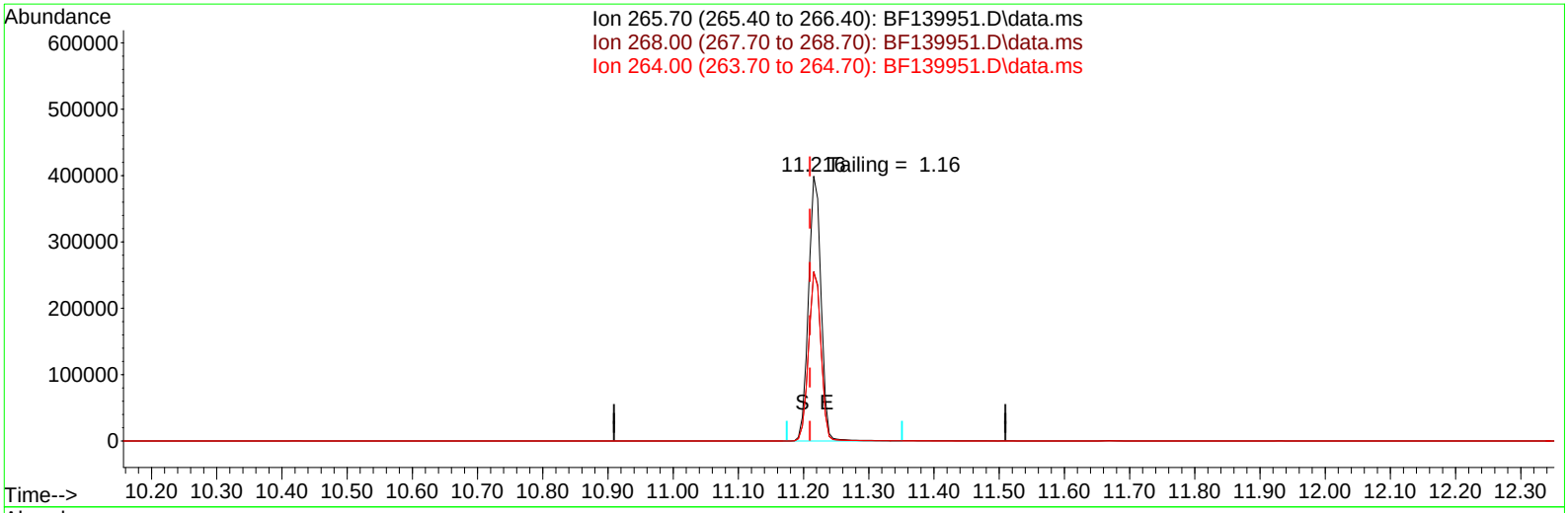
Instrument :
BNA_F
ClientSampleId :
DFTPP

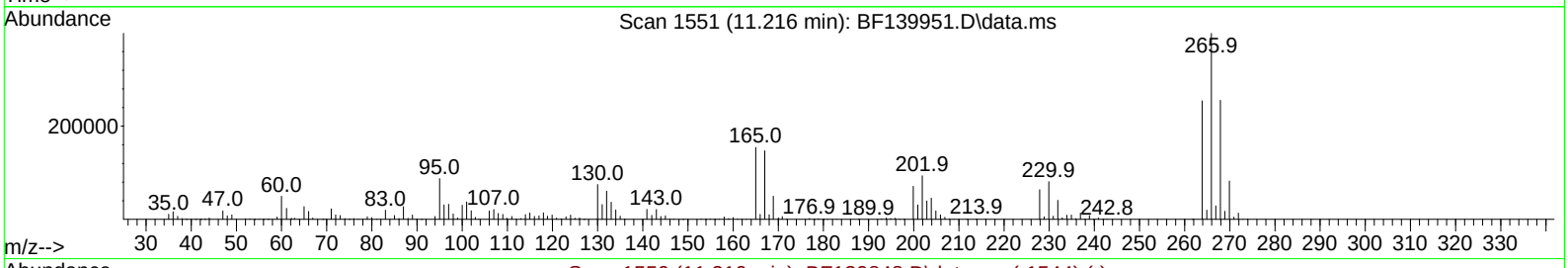
Sample Results: **BF139951.D**

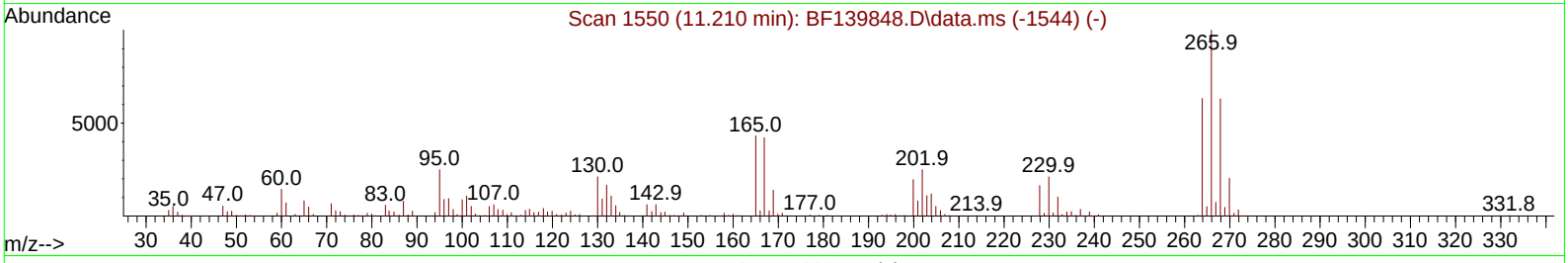
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139951.D
Acq On : 23 Oct 2024 08:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 23 16:03:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration







TIC: BF139951.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 71911.08 ng

response 533470

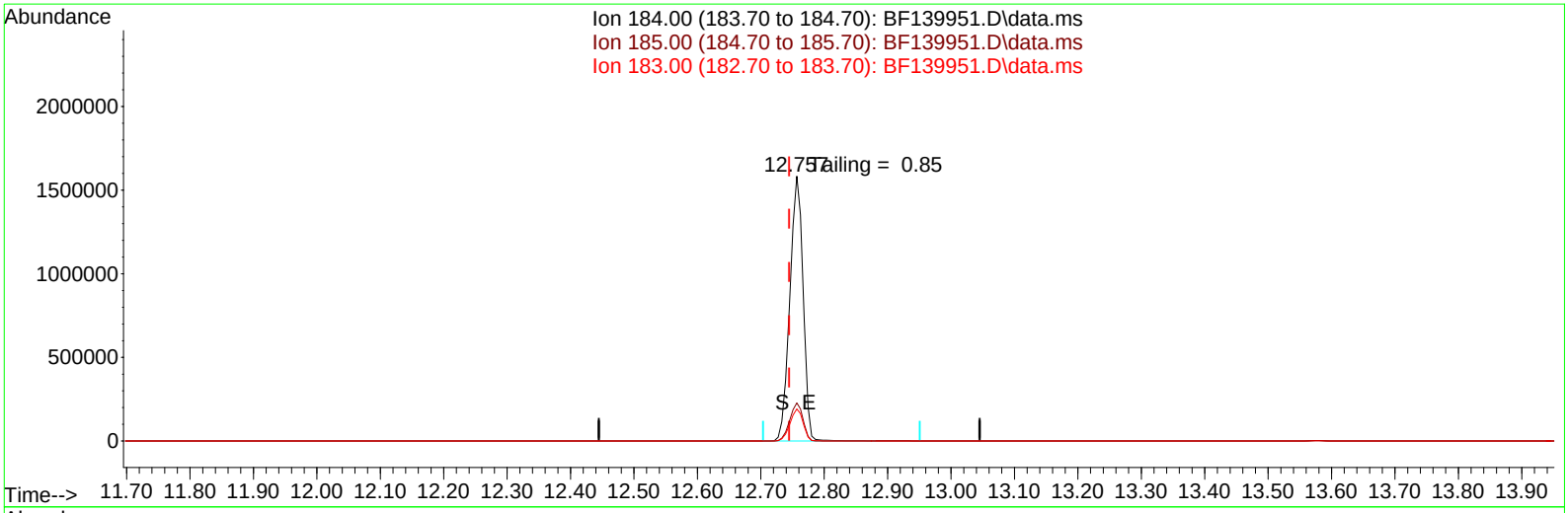
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.99
264.00	63.20	63.77
0.00	0.00	0.00

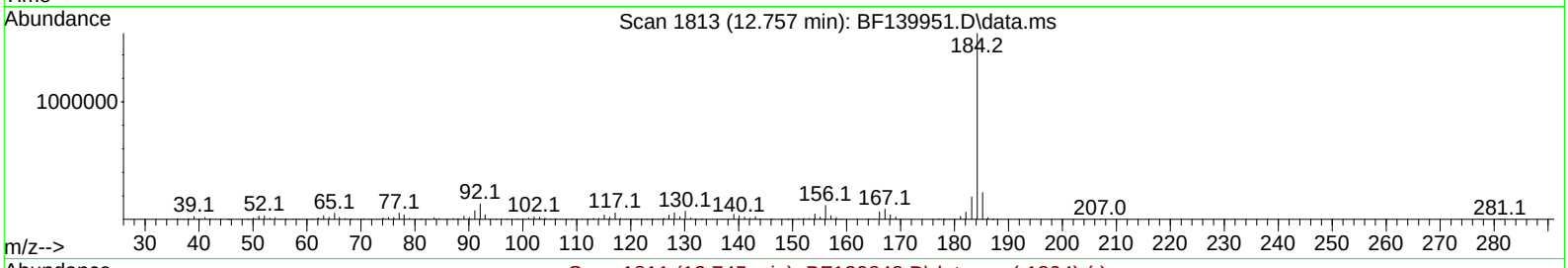
Sample Results: **BF139951.D**

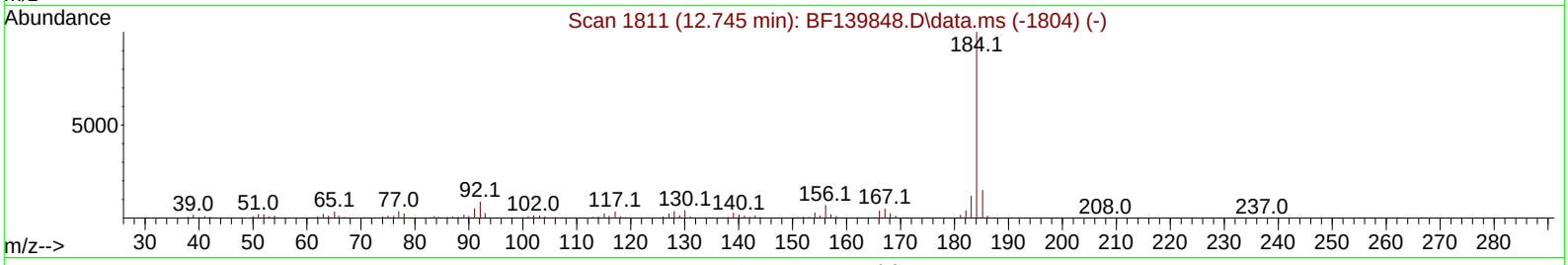
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139951.D
Acq On : 23 Oct 2024 08:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 23 16:03:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration







TIC: BF139951.D\data.ms

(77) Benzidine

12.757min (+ 0.012) 73198.86 ng

response 2307374

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.40
183.00	11.80	12.12
0.00	0.00	0.00

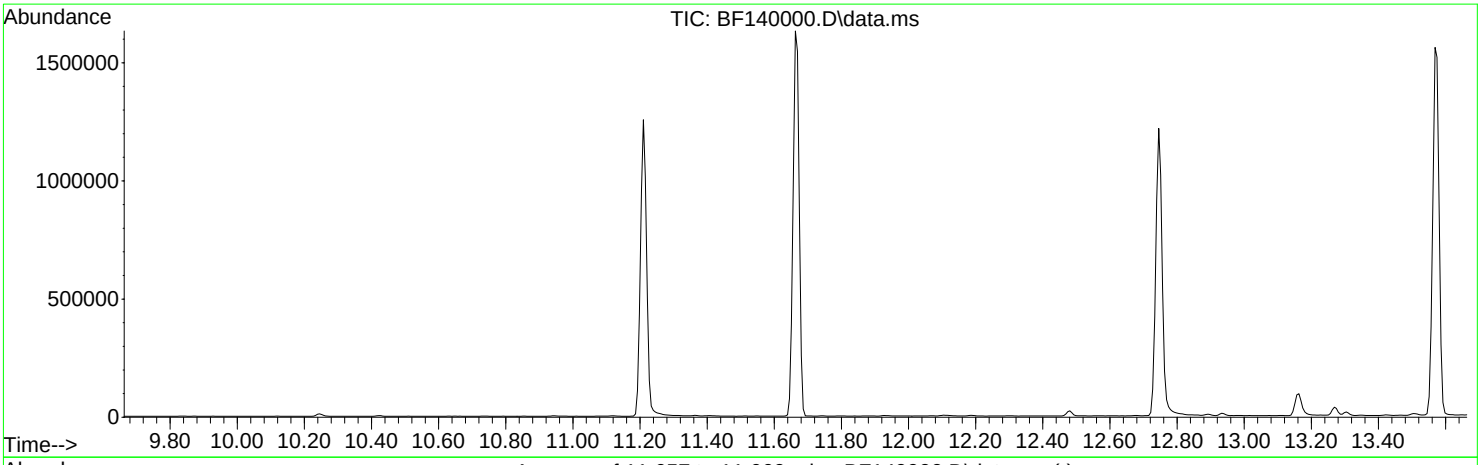
Sample Results: **BF140000.D**

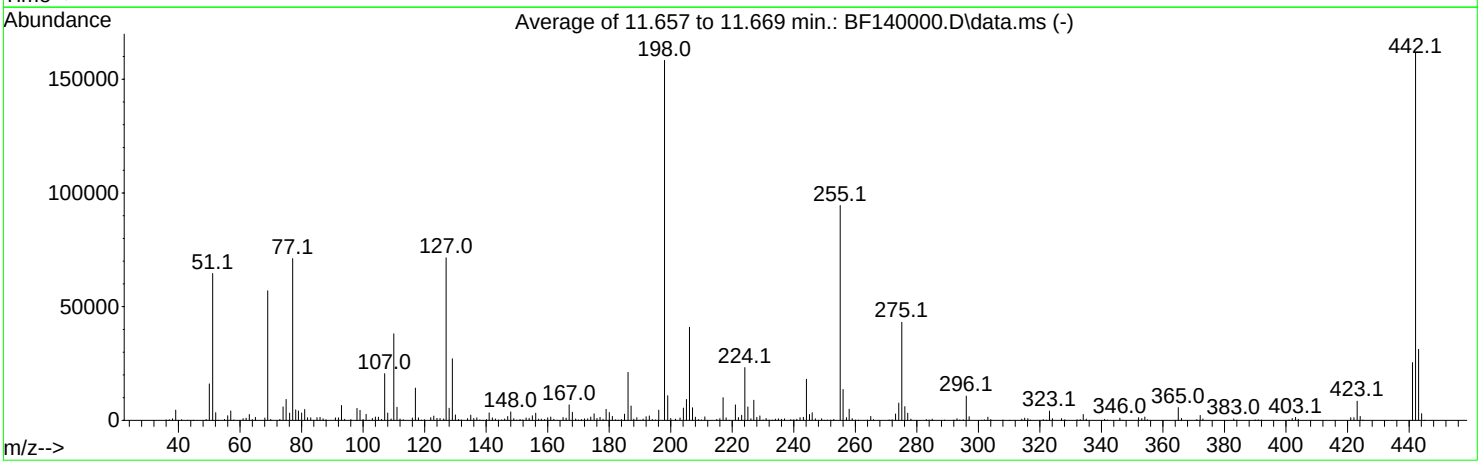
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140000.D
Acq On : 24 Oct 2024 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024





AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.8	64629	PASS
68	69	0.00	2	1.9	1095	PASS
69	198	0.00	100	36.0	57000	PASS
70	69	0.00	2	0.7	403	PASS
127	198	10	80	45.1	71469	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	158301	PASS
199	198	5	9	6.8	10841	PASS
275	198	10	60	27.3	43141	PASS
365	198	1	100	3.6	5671	PASS
441	198	0.01	100	16.0	25384	PASS
442	442	50	100	100.0	161765	PASS
443	442	15	24	19.3	31248	PASS

DDT Breakdown

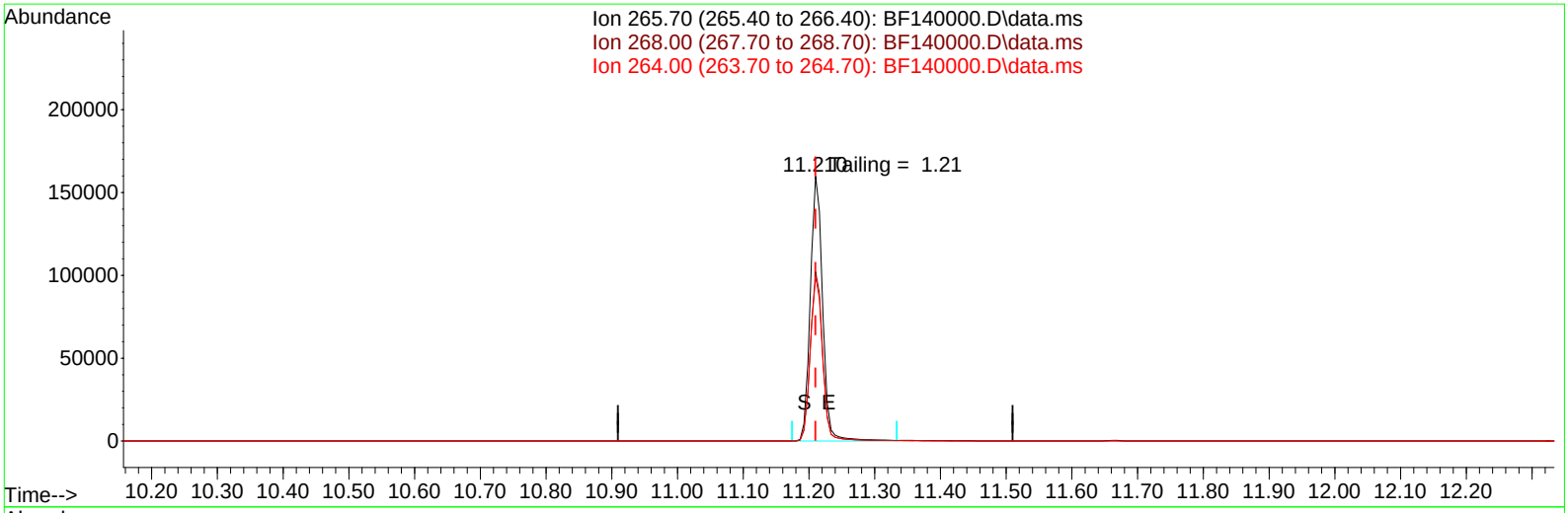
Date	Instrument Name	DFTPP Data File
10/24/2024	BNA_F	BF140000.D
Compound Name	**Response**	**Retention Time**
DDT	418161	13.575
DDD	12931	13.269
DDE	2295	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15226	433387	3.51

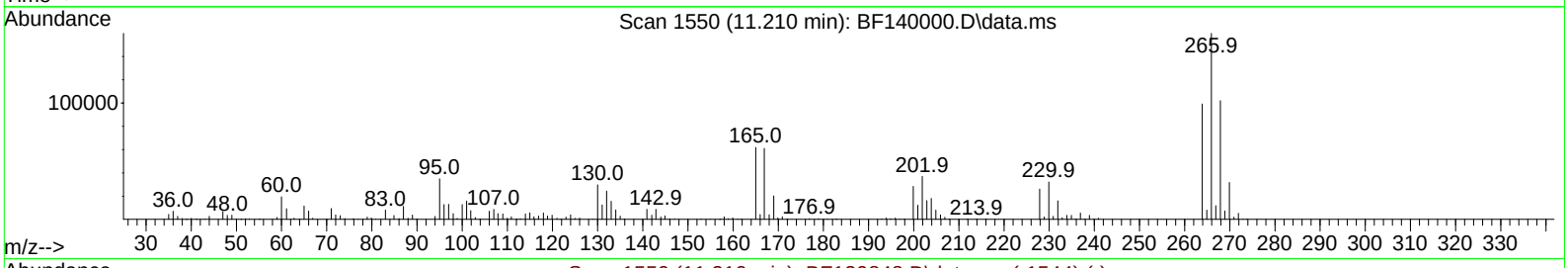
Instrument :
BNA_F
ClientSampleId :
DFTPP

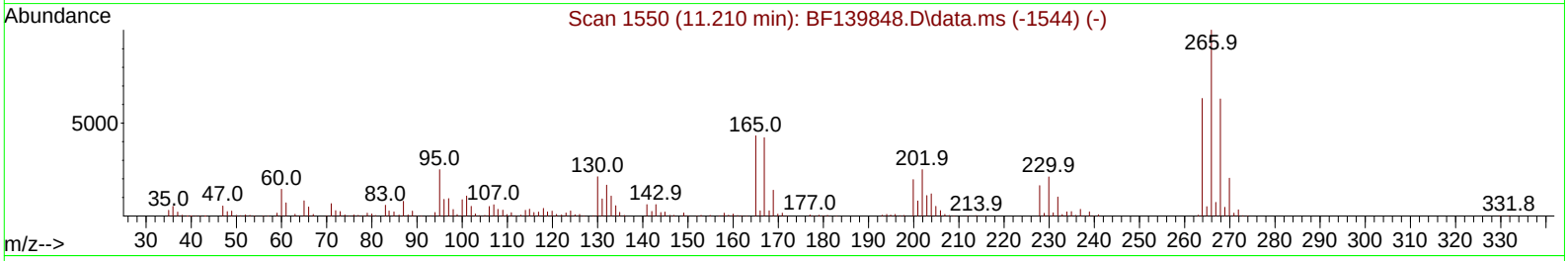
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140000.D
Acq On : 24 Oct 2024 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 15:14:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration







TIC: BF140000.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 39709.65 ng

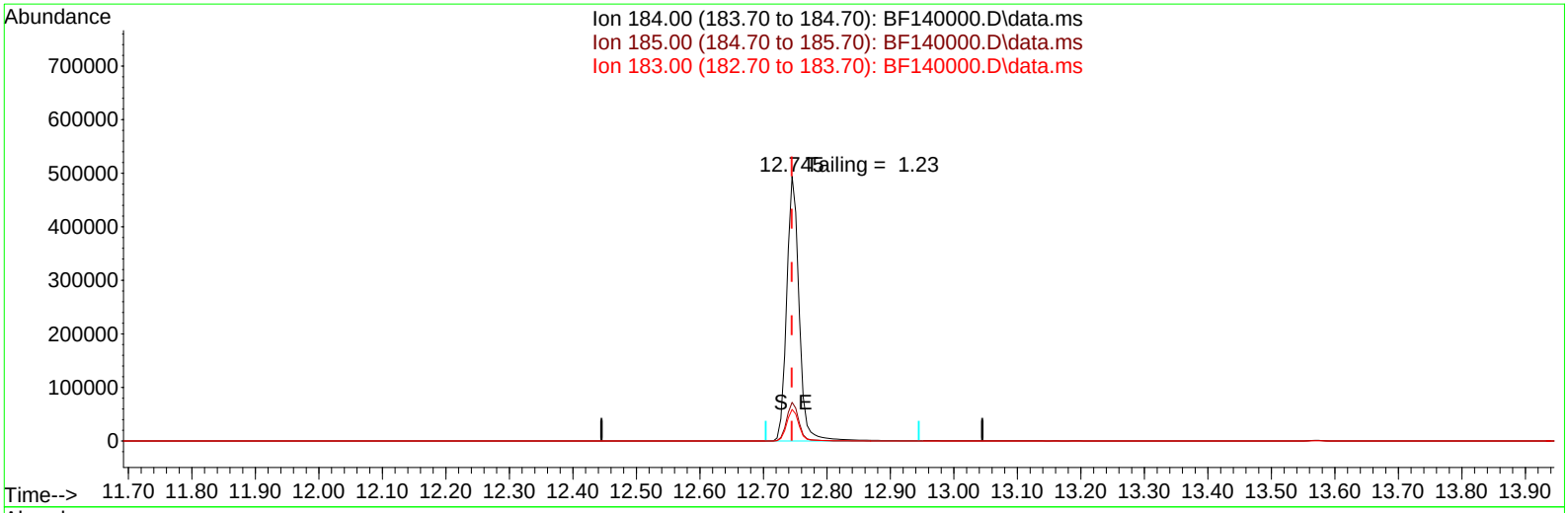
response 208862

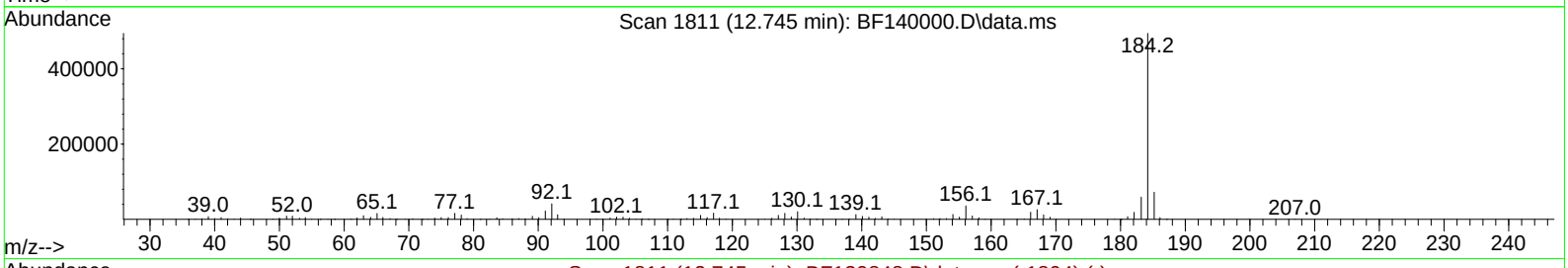
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.86
264.00	63.20	62.10
0.00	0.00	0.00

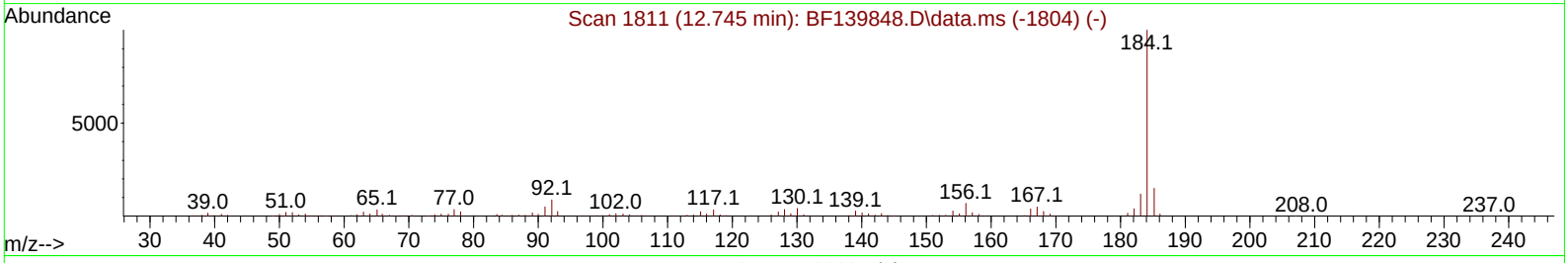
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140000.D
Acq On : 24 Oct 2024 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 24 15:14:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration







TIC: BF140000.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 156375.06 ng

response 678833

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.62
183.00	11.80	11.94
0.00	0.00	0.00

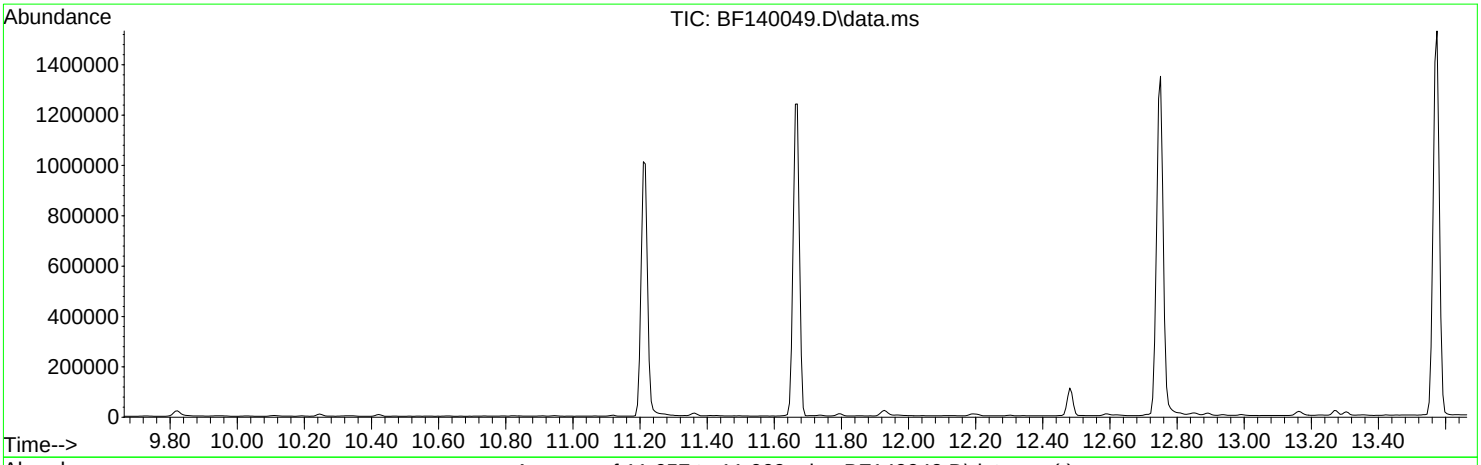
Sample Results: **BF140049.D**

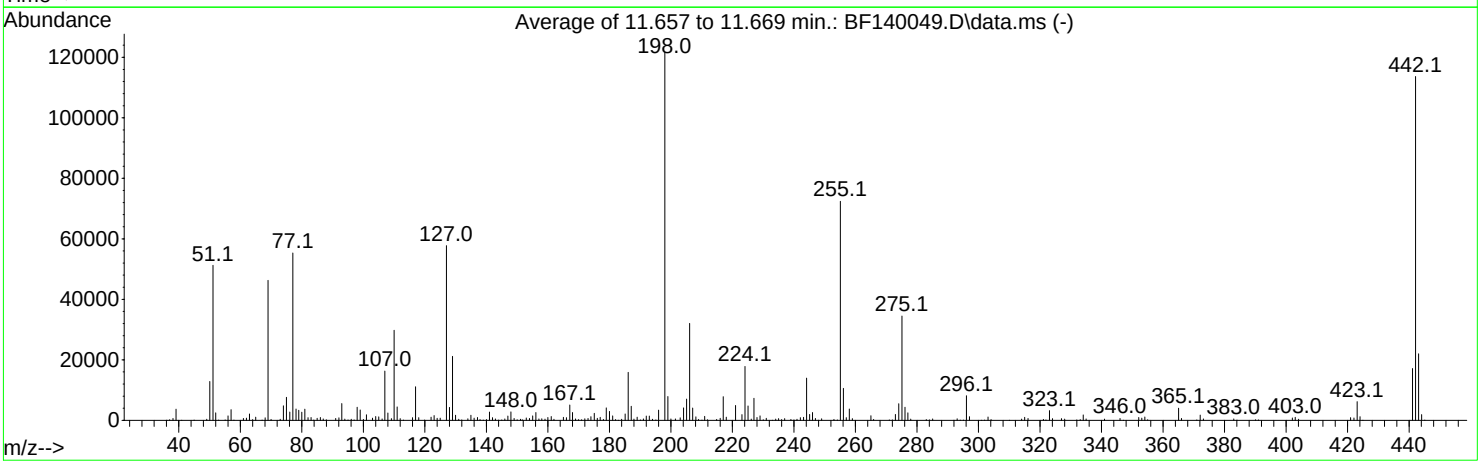
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140049.D
Acq On : 26 Oct 2024 10:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024





AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1620

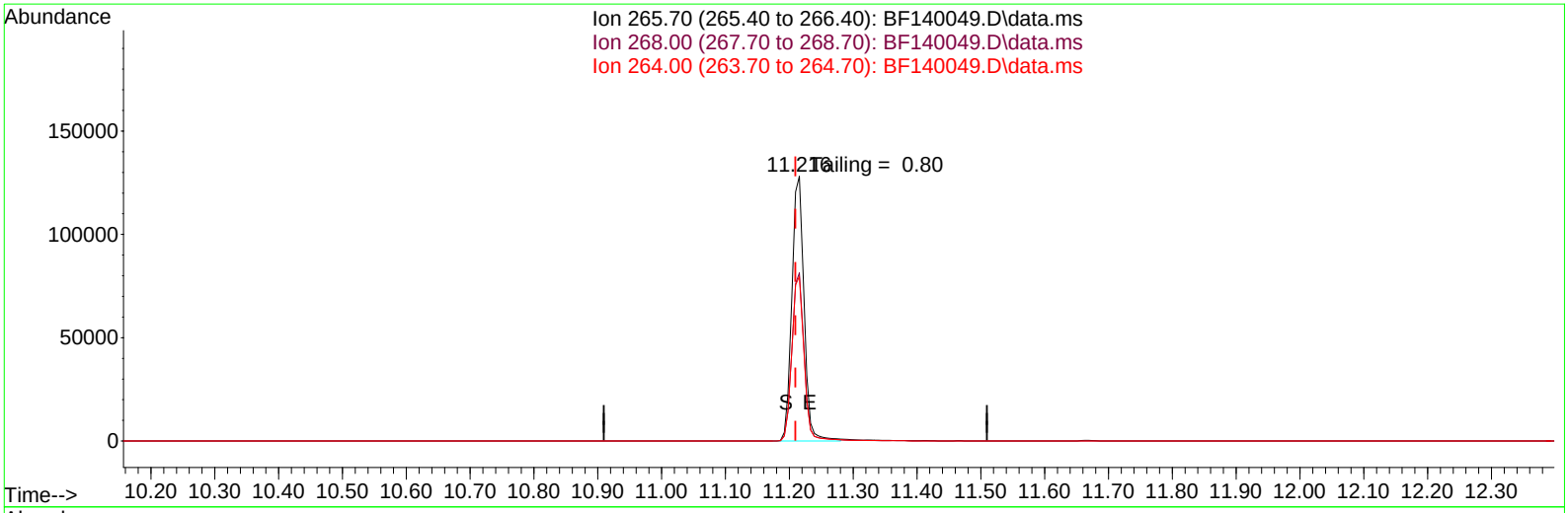
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	51240	PASS
68	69	0.00	2	1.8	856	PASS
69	198	0.00	100	38.1	46282	PASS
70	69	0.00	2	0.7	328	PASS
127	198	10	80	47.5	57773	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	121589	PASS
199	198	5	9	6.5	7892	PASS
275	198	10	60	28.3	34461	PASS
365	198	1	100	3.3	4026	PASS
441	198	0.01	100	14.1	17140	PASS
442	442	50	100	100.0	113635	PASS
443	442	15	24	19.4	22013	PASS

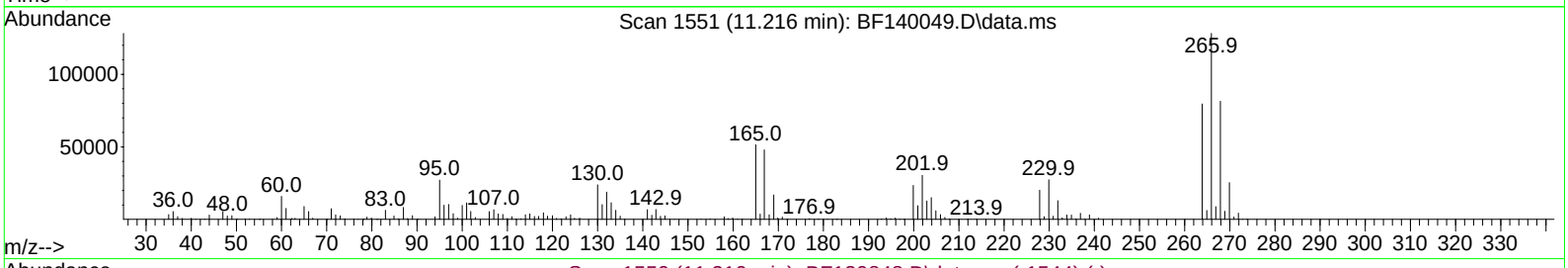
Sample Results: **BF140049.D**

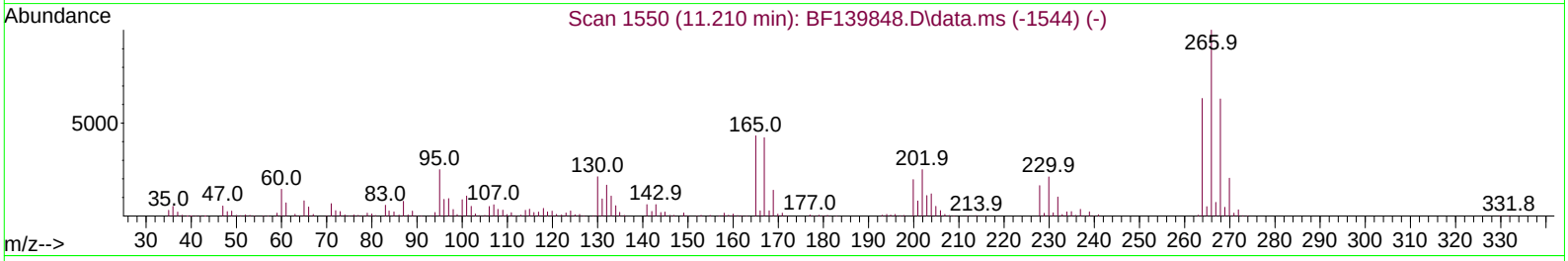
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140049.D
Acq On : 26 Oct 2024 10:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 28 01:04:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration







TIC: BF140049.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.006) 14128.66 ng

response 173165

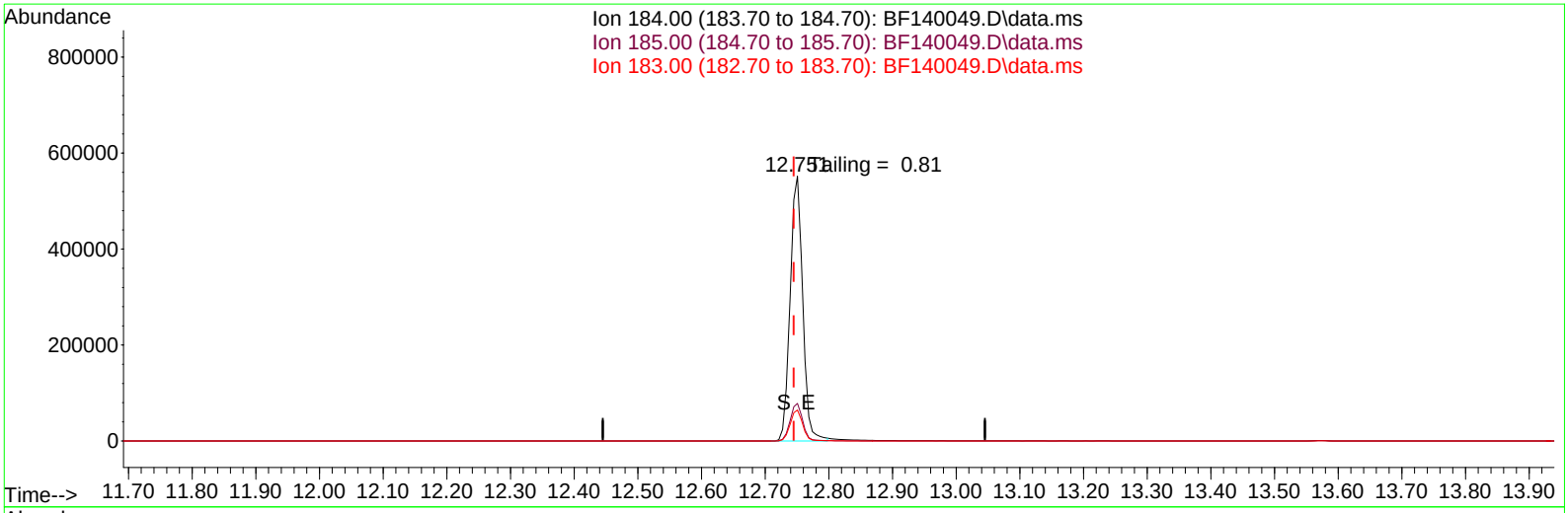
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	63.52
264.00	63.20	62.12
0.00	0.00	0.00

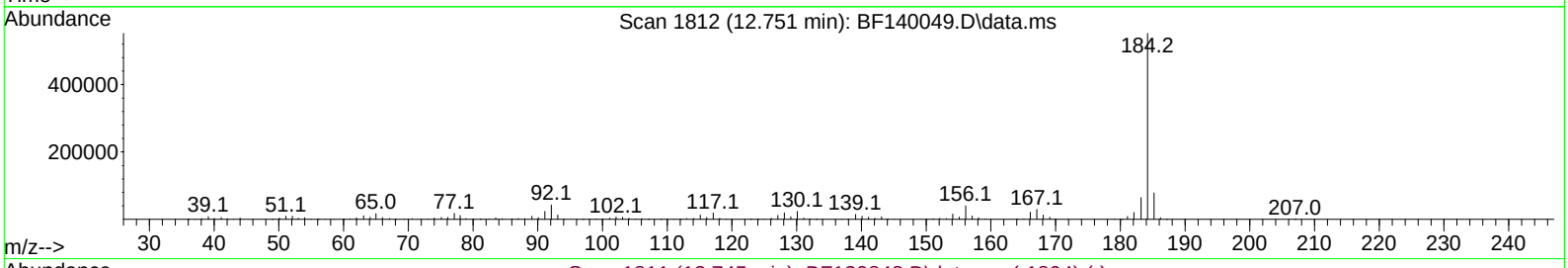
Sample Results: **BF140049.D**

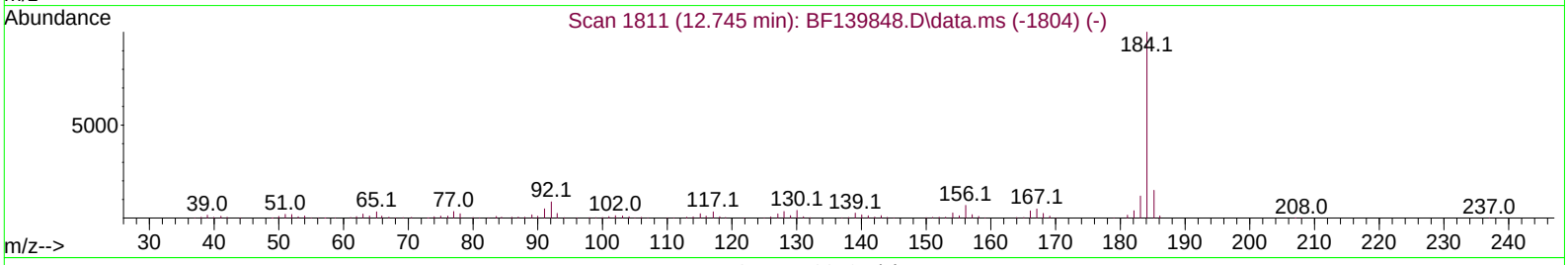
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140049.D
Acq On : 26 Oct 2024 10:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 28 01:04:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration







TIC: BF140049.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 46047.22 ng

response 771559

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	14.21
183.00	11.80	11.71
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/26/2024	BNA_F	BF140049.D
Compound Name	**Response**	**Retention Time**
DDT	384498	13.574
DDD	9181	13.274
DDE	1042	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10223	394721	2.59

Instrument :
BNA_F
ClientSampleId :
DFTPP

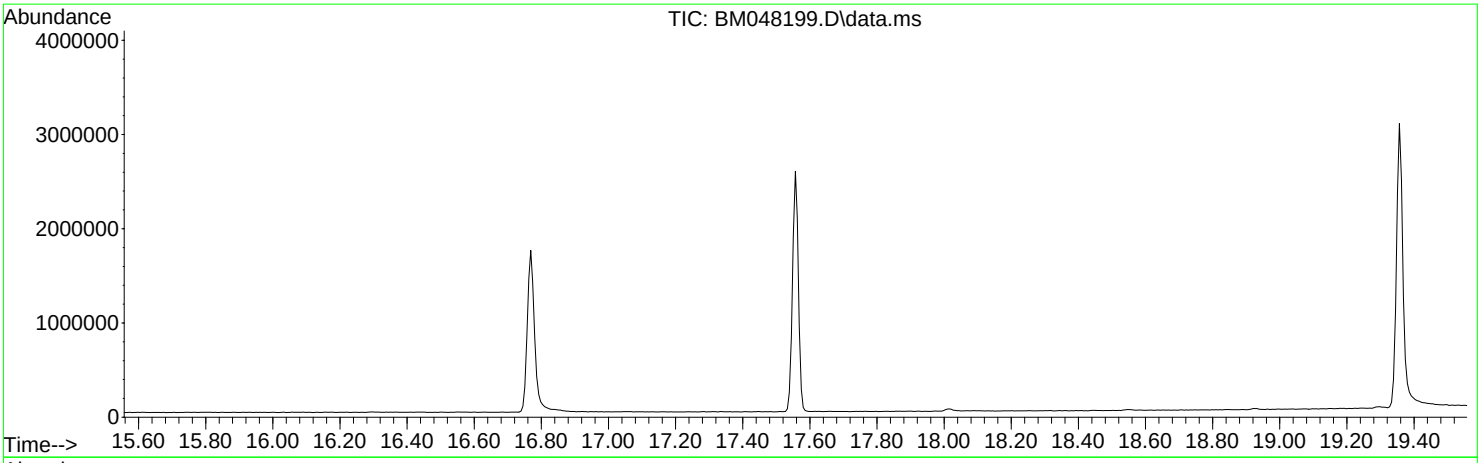
Sample Results: **BM048199.D**

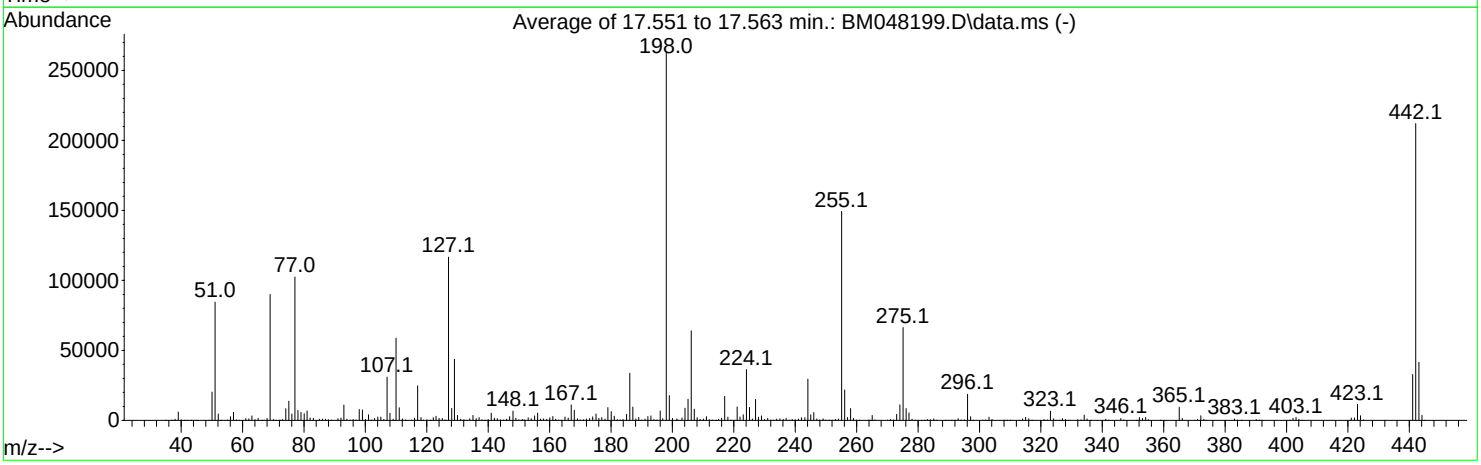
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048199.D
Acq On : 23 Oct 2024 11:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 23 18:21:59 2024





AutoFind: Scans 2476, 2477, 2478; Background Corrected with Scan 2469

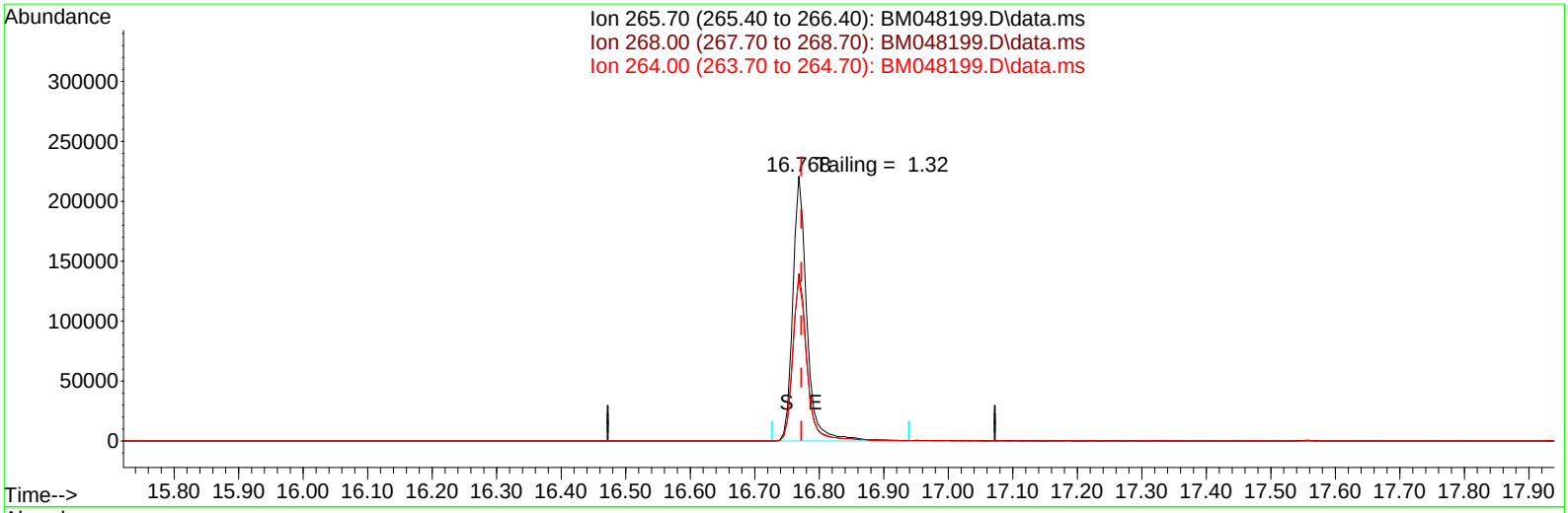
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.2	84540	PASS
68	69	0.00	2	1.6	1406	PASS
69	198	0.00	100	34.2	89921	PASS
70	69	0.00	2	0.7	587	PASS
127	198	10	80	44.4	116637	PASS
197	198	0.00	2	0.5	1321	PASS
198	198	100	100	100.0	262784	PASS
199	198	5	9	6.8	17767	PASS
275	198	10	60	25.2	66333	PASS
365	198	1	100	3.6	9406	PASS
441	198	0.01	100	12.5	32765	PASS
442	442	50	100	100.0	211989	PASS
443	442	15	24	19.6	41467	PASS

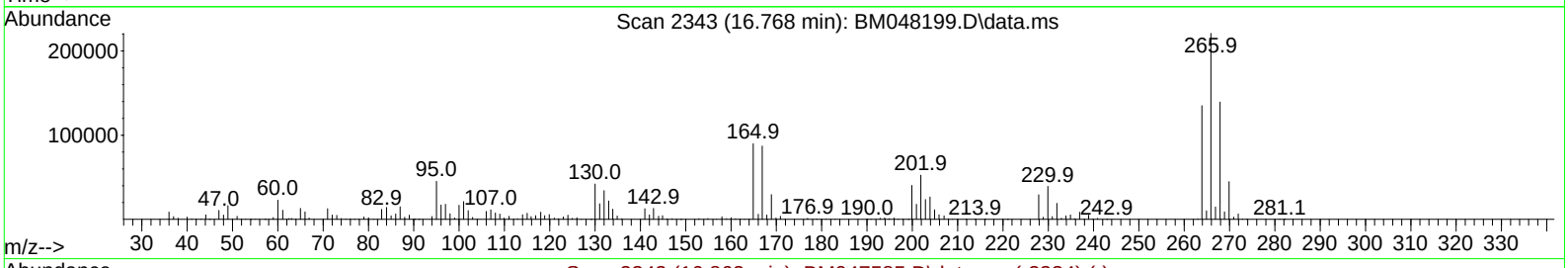
Sample Results: **BM048199.D**

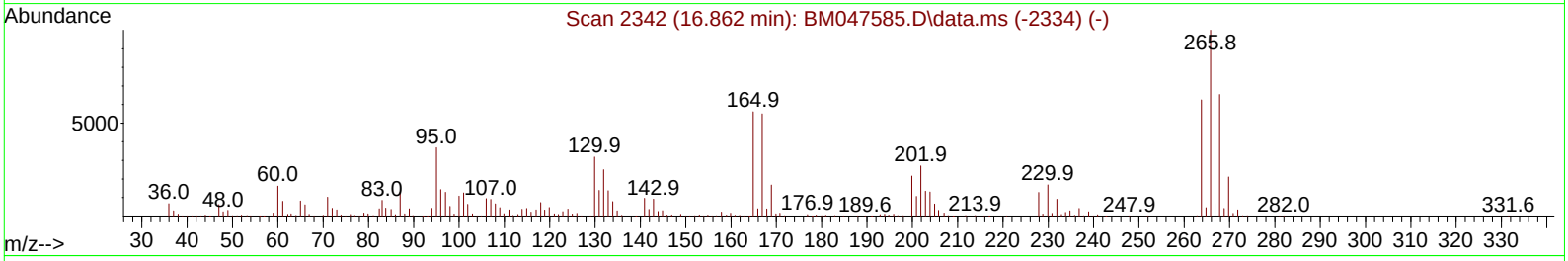
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048199.D
Acq On : 23 Oct 2024 11:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 23 14:47:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 13:43:53 2024
Response via : Initial Calibration







TIC: BM048199.D\data.ms

(70) Pentachlorophenol (C)

16.768min (-0.004) 0.00 ng

response 336927

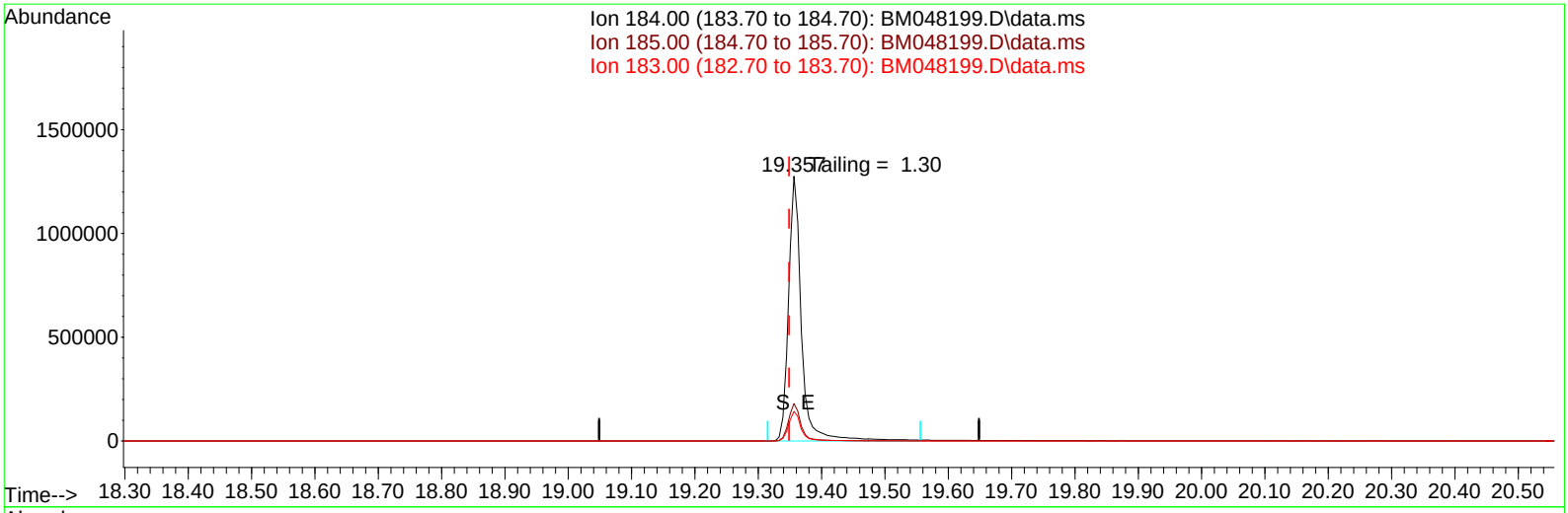
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	63.12
264.00	62.50	61.15
0.00	0.00	0.00

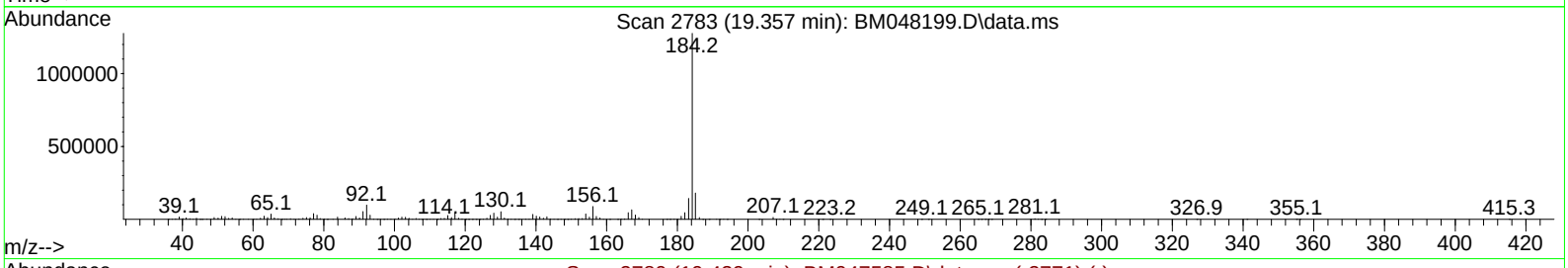
Sample Results: **BM048199.D**

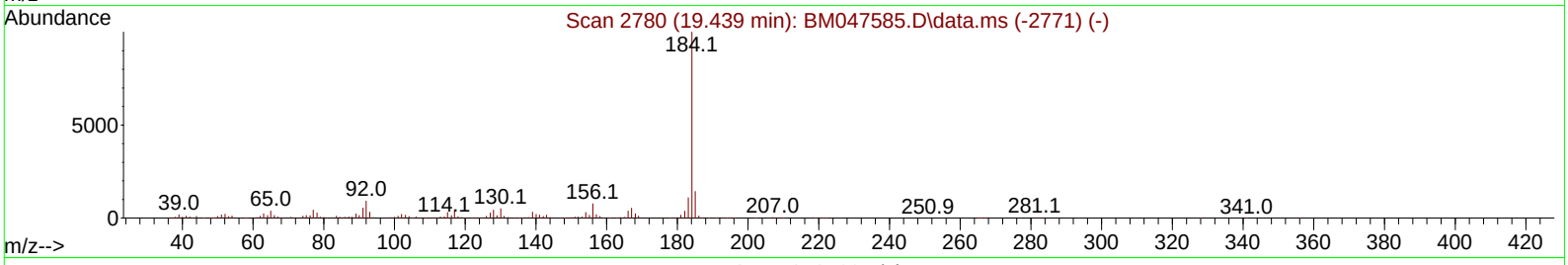
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102324\
Data File : BM048199.D
Acq On : 23 Oct 2024 11:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 23 14:47:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 13:43:53 2024
Response via : Initial Calibration







TIC: BM048199.D\data.ms

(77) Benzidine

19.357min (+ 0.008) 0.00 ng

response 1816071

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.15
183.00	10.90	11.22
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/23/2024	BNA_M	BM048199.D
Compound Name	**Response**	**Retention Time**
DDT	917513	20.586
DDD	9873	20.203
DDE	0	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9873	927386	1.06

Instrument :
BNA_M
ClientSampleId :
DFTPP

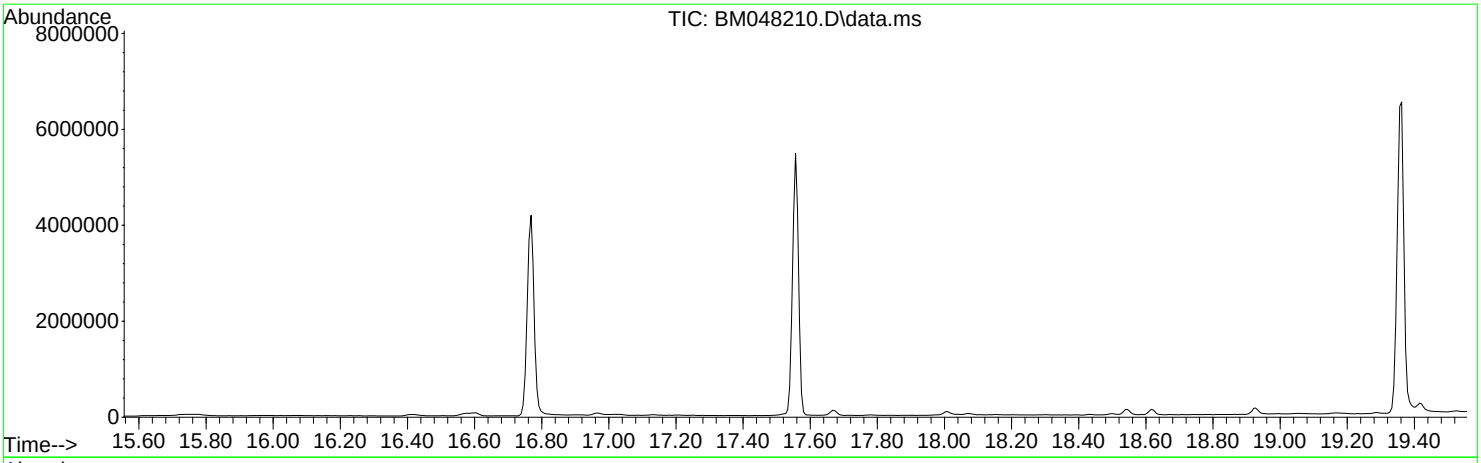
Sample Results: **BM048210.D**

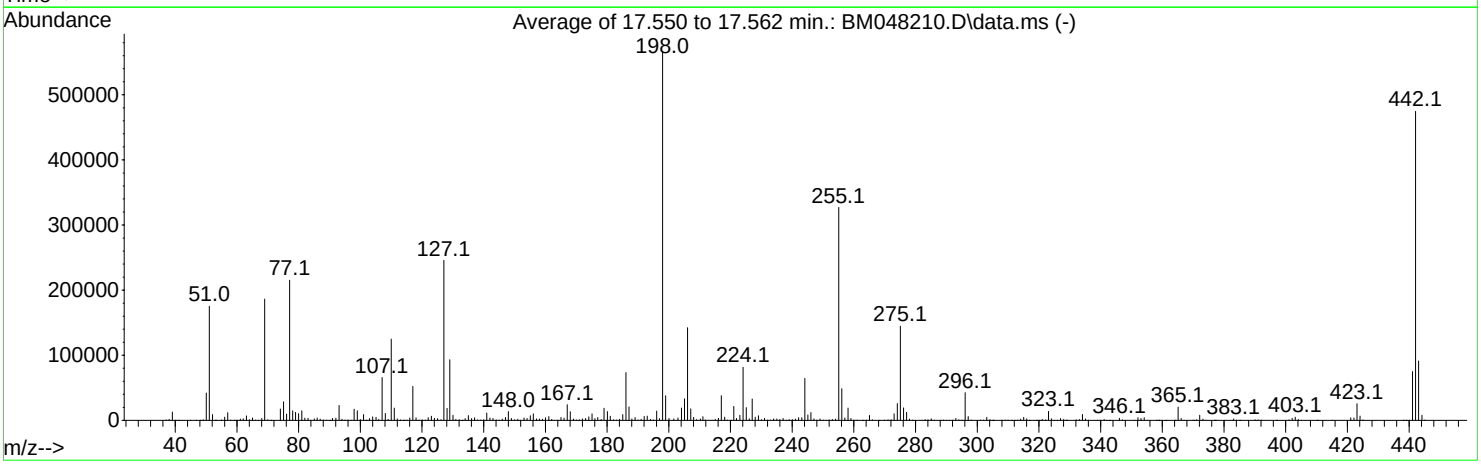
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048210.D
Acq On : 24 Oct 2024 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 23 18:21:59 2024





AutoFind: Scans 2476, 2477, 2478; Background Corrected with Scan 2469

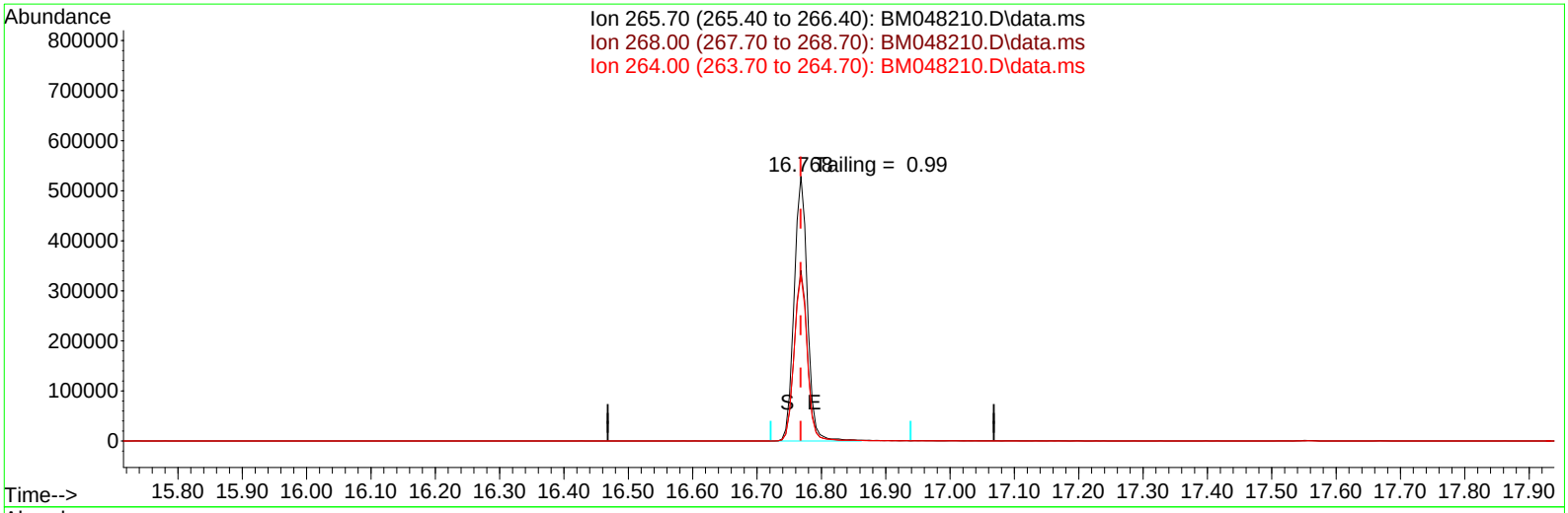
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.0	175247	PASS
68	69	0.00	2	1.5	2851	PASS
69	198	0.00	100	33.0	186183	PASS
70	69	0.00	2	0.6	1071	PASS
127	198	10	80	43.5	245632	PASS
197	198	0.00	2	0.5	2701	PASS
198	198	100	100	100.0	564949	PASS
199	198	5	9	6.7	37907	PASS
275	198	10	60	25.6	144432	PASS
365	198	1	100	3.6	20424	PASS
441	198	0.01	100	13.3	75067	PASS
442	442	50	100	100.0	474603	PASS
443	442	15	24	19.2	91077	PASS

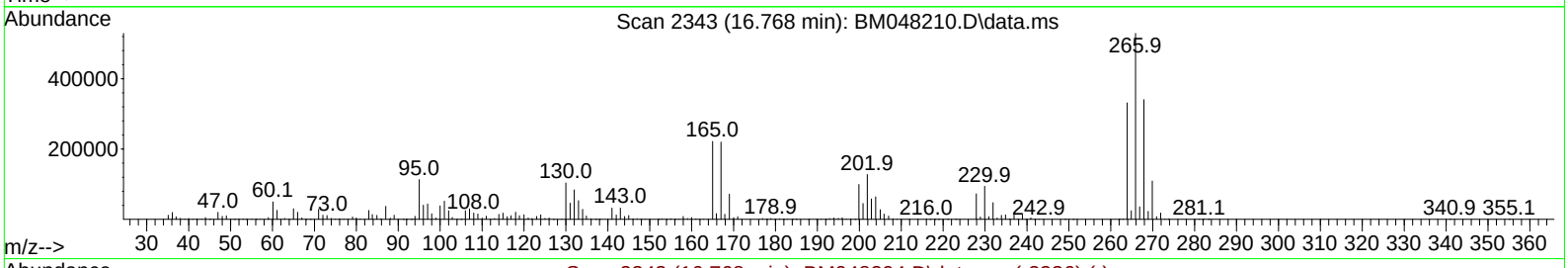
Sample Results: **BM048210.D**

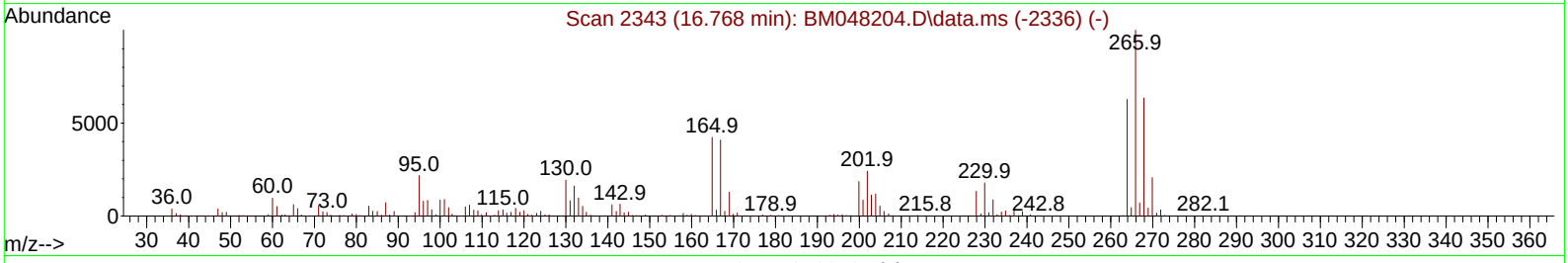
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048210.D
Acq On : 24 Oct 2024 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:20:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration







TIC: BM048210.D\data.ms

(70) Pentachlorophenol (C)

16.768min (-0.000) 92717.46 ng

response 764974

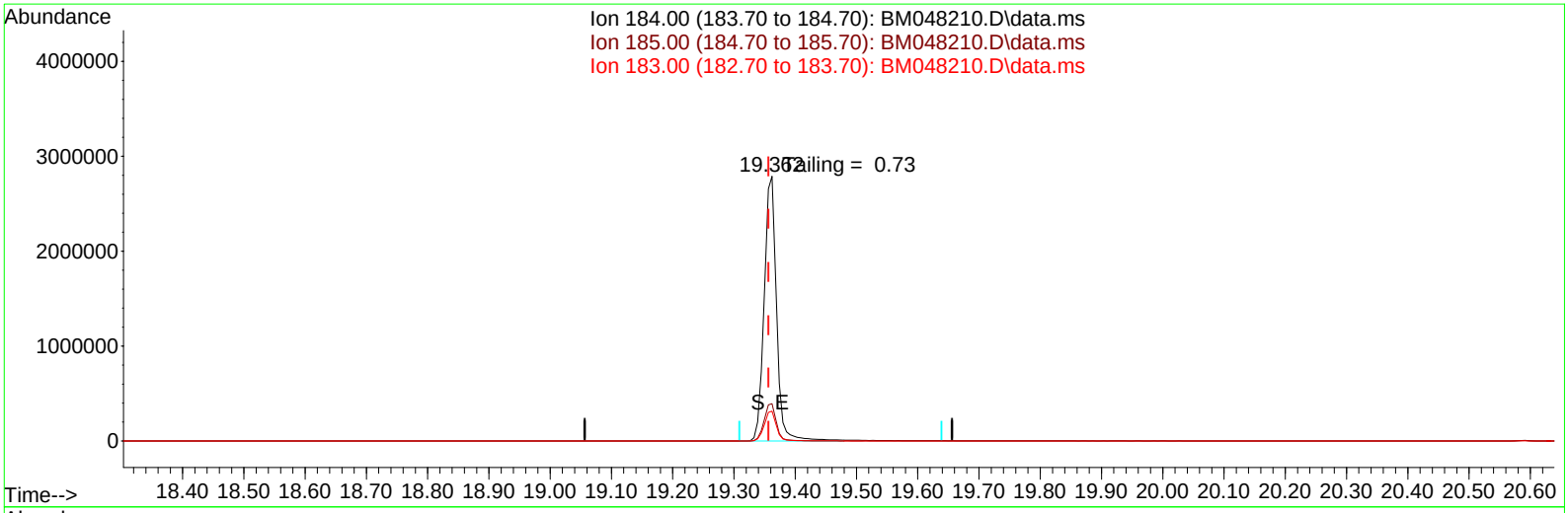
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	64.34
264.00	62.70	62.69
0.00	0.00	0.00

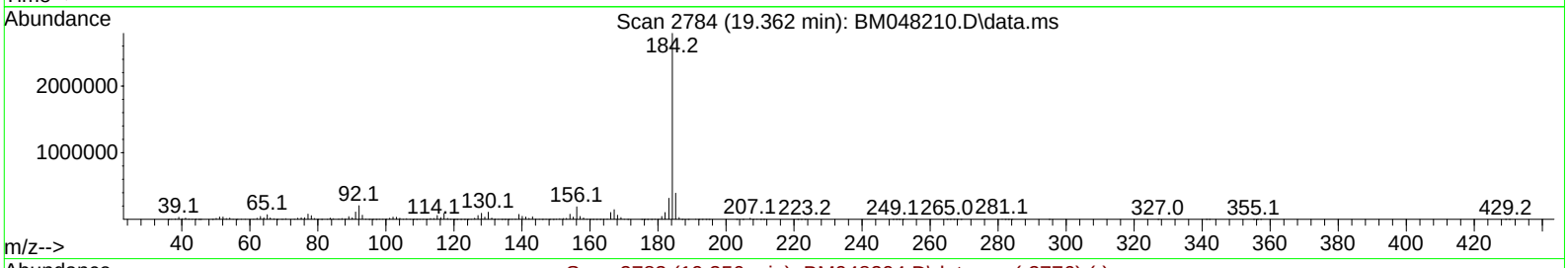
Sample Results: **BM048210.D**

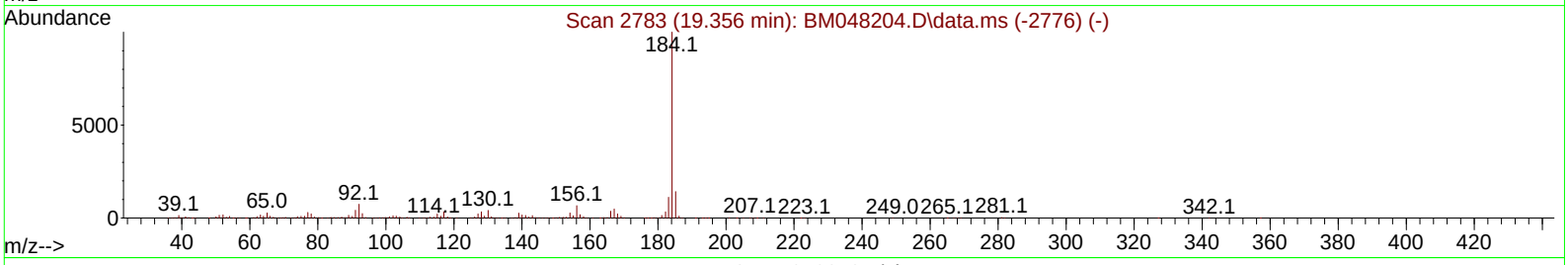
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048210.D
Acq On : 24 Oct 2024 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:20:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration







TIC: BM048210.D\data.ms

(77) Benzidine

19.362min (+ 0.006) 54520.09 ng

response 3968464

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.08
183.00	11.20	11.29
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/24/2024	BNA_M	BM048210.D
Compound Name	**Response**	**Retention Time**
DDT	2000528	20.591
DDD	38402	20.15
DDE	2130	19.644
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
40532	2041060	1.99

Instrument :
BNA_M
ClientSampleId :
DFTPP

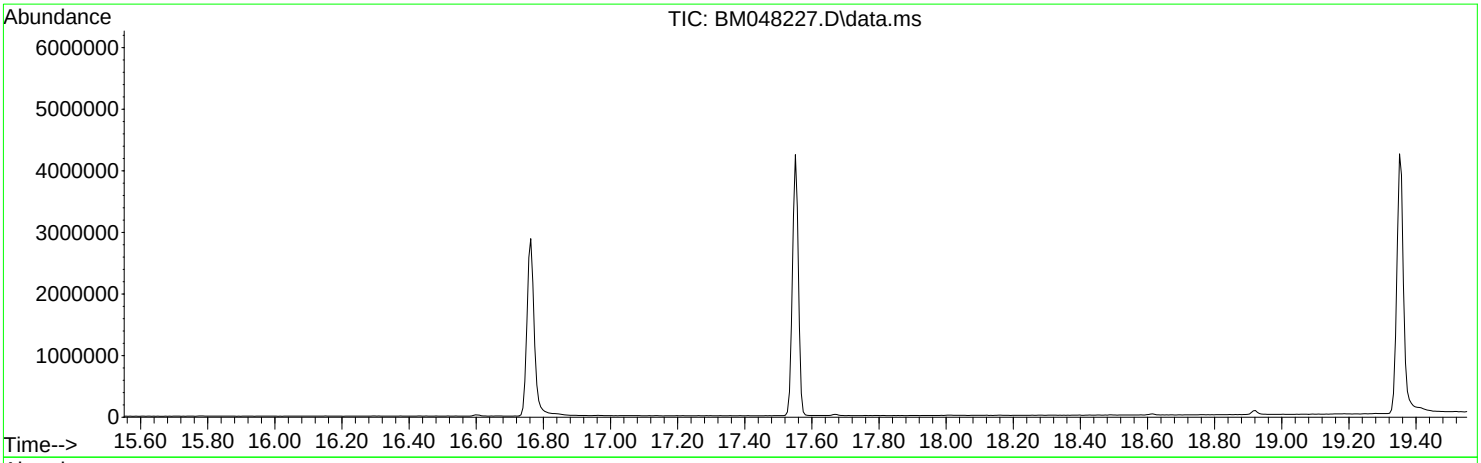
Sample Results: **BM048227.D**

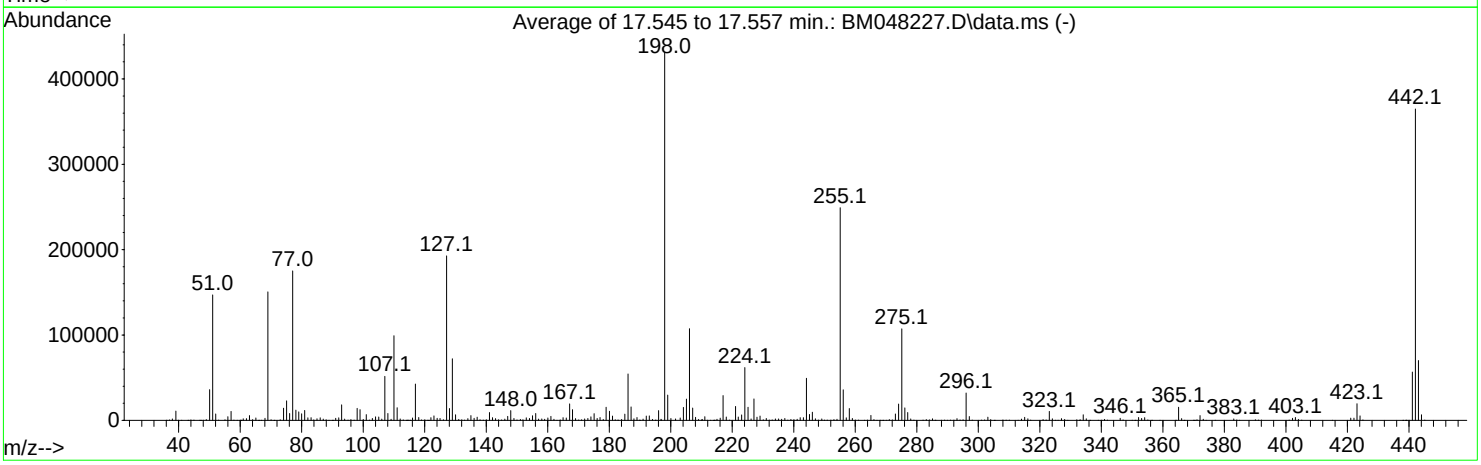
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048227.D
Acq On : 25 Oct 2024 08:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 23 18:21:59 2024





AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2468

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.1	146931	PASS
68	69	0.00	2	1.6	2399	PASS
69	198	0.00	100	34.9	150621	PASS
70	69	0.00	2	0.5	723	PASS
127	198	10	80	44.7	192704	PASS
197	198	0.00	2	0.3	1314	PASS
198	198	100	100	100.0	430976	PASS
199	198	5	9	6.9	29624	PASS
275	198	10	60	24.9	107243	PASS
365	198	1	100	3.6	15327	PASS
441	198	0.01	100	13.1	56541	PASS
442	442	50	100	100.0	364736	PASS
443	442	15	24	19.2	70056	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/25/2024	BNA_M	BM048227.D
Compound Name	**Response**	**Retention Time**
DDT	1418943	20.58
DDD	28471	20.145
DDE	1742	19.639
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
30213	1449156	2.08

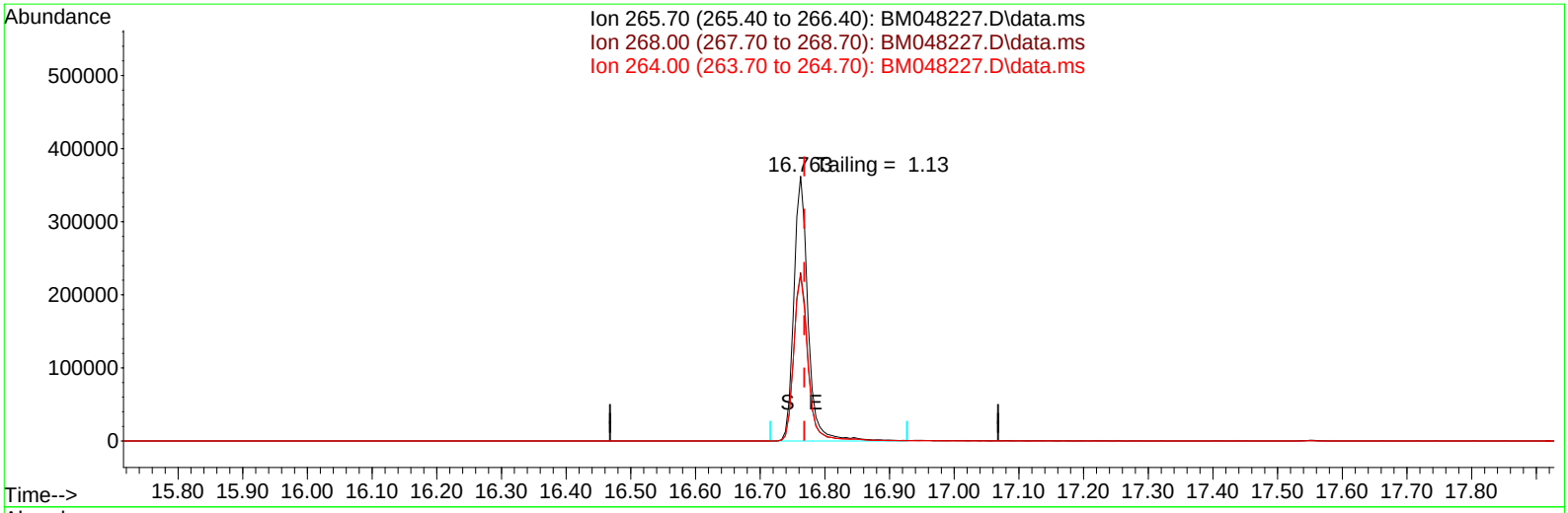
Instrument :
BNA_M
ClientSampleId :
DFTPP

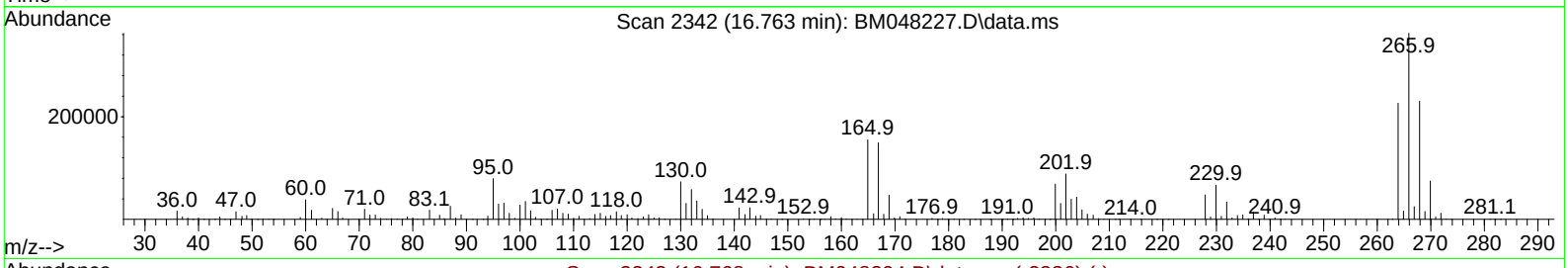
Sample Results: **BM048227.D**

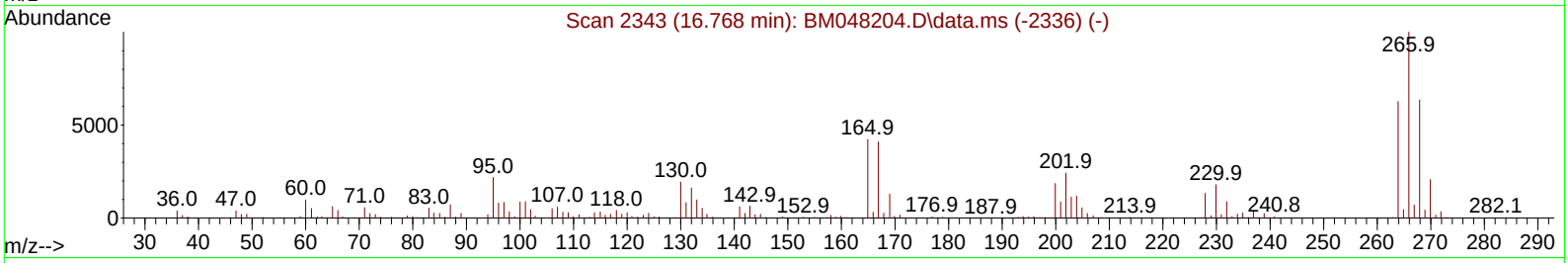
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048227.D
Acq On : 25 Oct 2024 08:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 25 13:12:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration







TIC: BM048227.D\data.ms

(70) Pentachlorophenol (C)

16.763min (-0.006) 395736.19 ng

response 550504

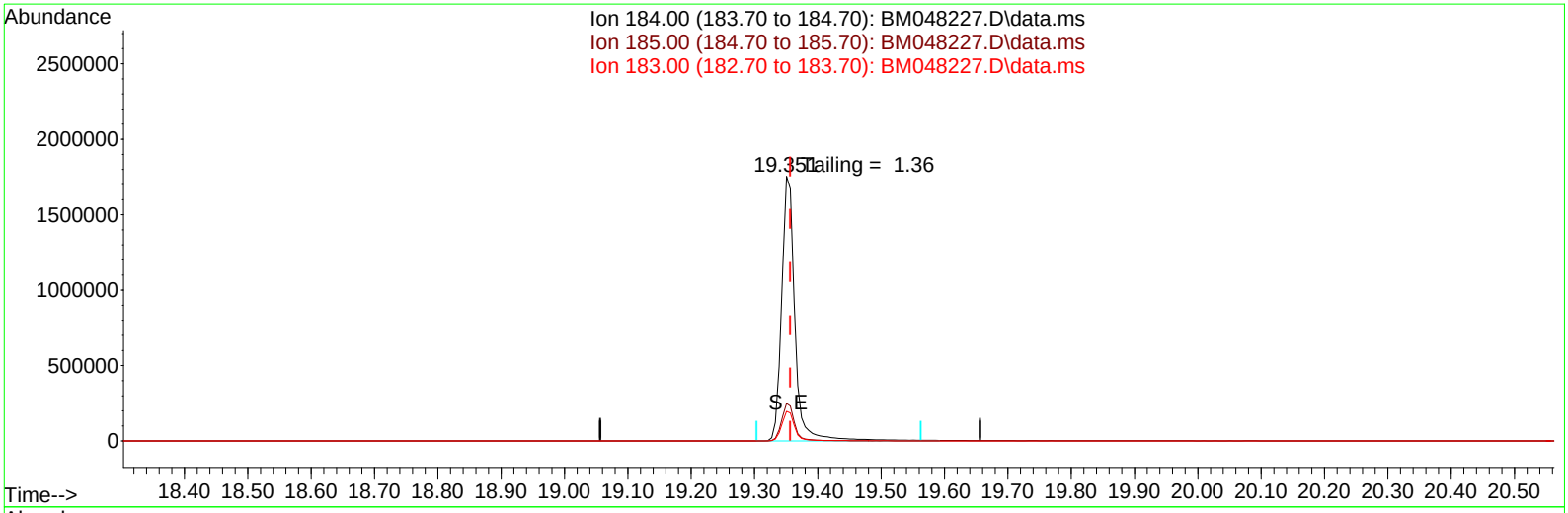
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	63.55
264.00	62.70	62.51
0.00	0.00	0.00

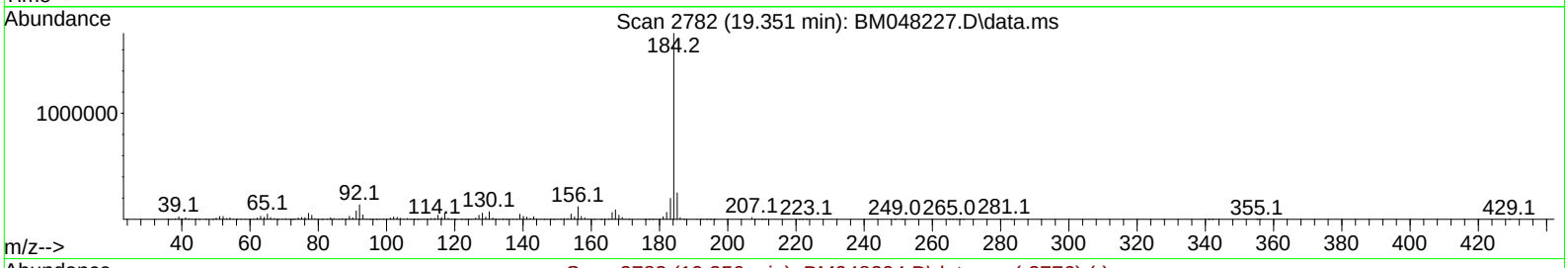
Sample Results: **BM048227.D**

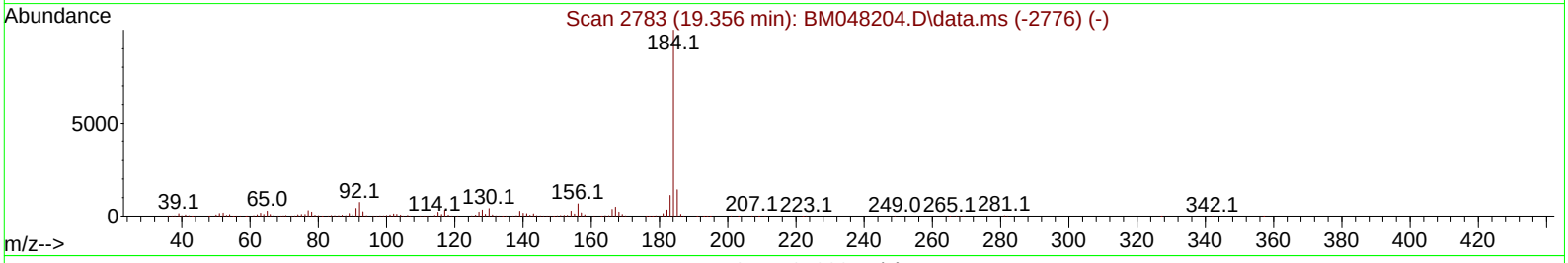
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048227.D
Acq On : 25 Oct 2024 08:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 25 13:12:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration







TIC: BM048227.D\data.ms

(77) Benzidine

19.351min (-0.006) 261475.58 ng

response 2555981

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.22
183.00	11.20	11.24
0.00	0.00	0.00

Raw Data: **BF139962.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

Raw Data: **BF139962.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

Raw Data: **BF139962.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	131		30 (15) - 130 (107)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.4		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (20) - 130 (109)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		30 (10) - 130 (116)	104%	SPK: 150
1718-51-0	Terphenyl-d14	98.4		30 (10) - 130 (105)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.887			
1146-65-2	Naphthalene-d8	564000	8.169			
15067-26-2	Acenaphthene-d10	320000	9.928			
1517-22-2	Phenanthrene-d10	597000	11.41			
1719-03-5	Chrysene-d12	357000	14.051			
1520-96-3	Perylene-d12	313000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	130	J		2.25	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A		5.13	ug/Kg

Raw Data: **BF139962.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	
Client Sample ID:	PB164286BL			SDG No.:	P4460
Lab Sample ID:	PB164286BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Time: Oct 23 14:28:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

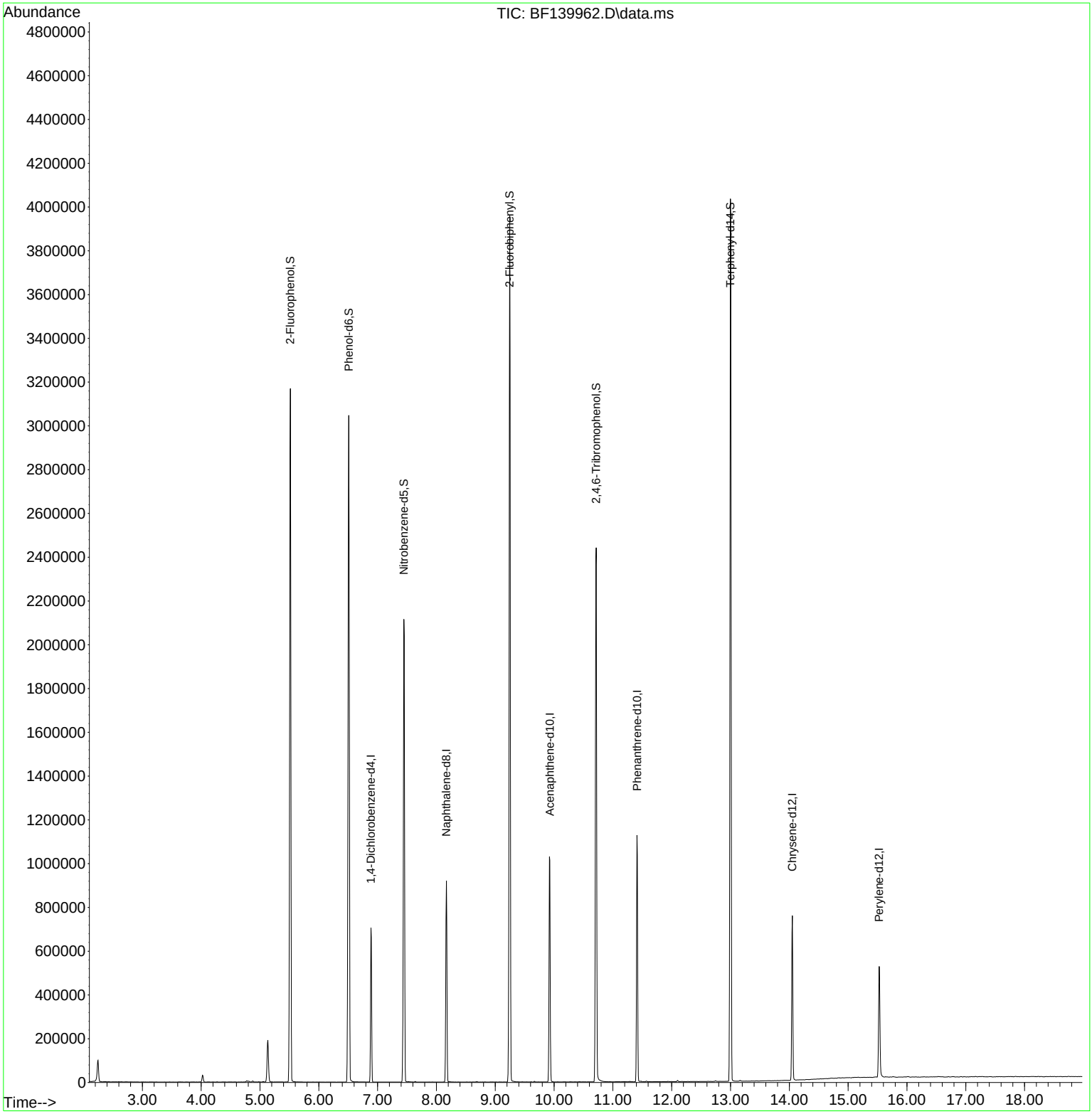
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	146341	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	564292	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	320476	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	596529	20.000	ng	0.00
76) Chrysene-d12	14.051	240	356991	20.000	ng	0.00
86) Perylene-d12	15.527	264	312503	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1257004	134.468	ng	0.02
7) Phenol-d6	6.510	99	1582027	130.669	ng	0.00
23) Nitrobenzene-d5	7.445	82	1012283	99.424	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	468968	156.446	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1837259	94.748	ng	0.00
79) Terphenyl-d14	12.998	244	2156843	98.449	ng	0.00
Target Compounds						Qvalue

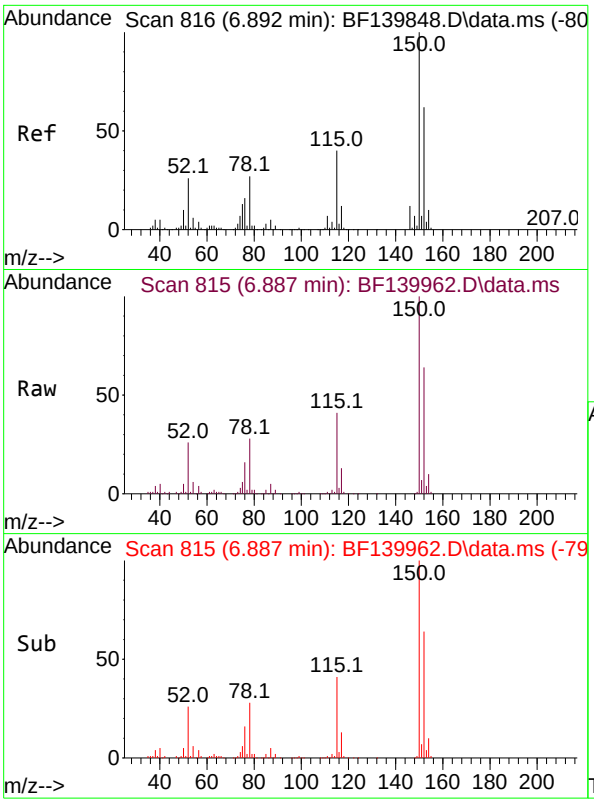
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Time: Oct 23 14:28:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



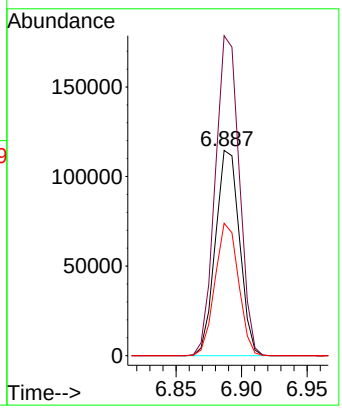


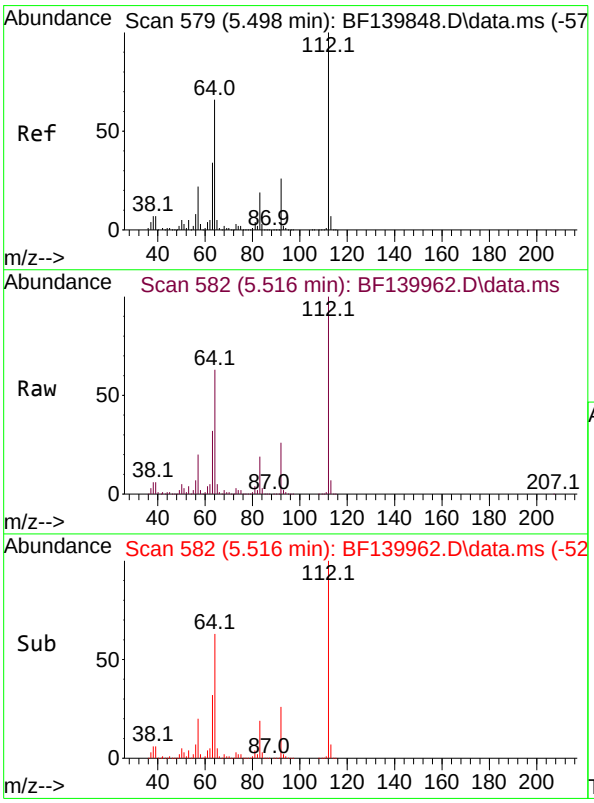
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:152 Resp: 146341

Ion	Ratio	Lower	Upper
152	100		
150	155.9	130.2	195.2
115	64.5	51.4	77.2

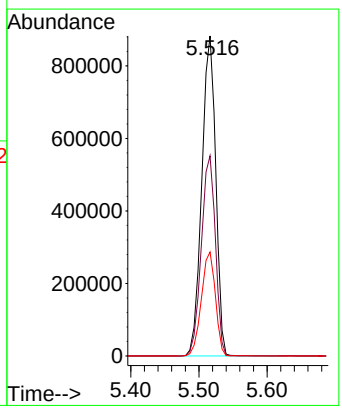


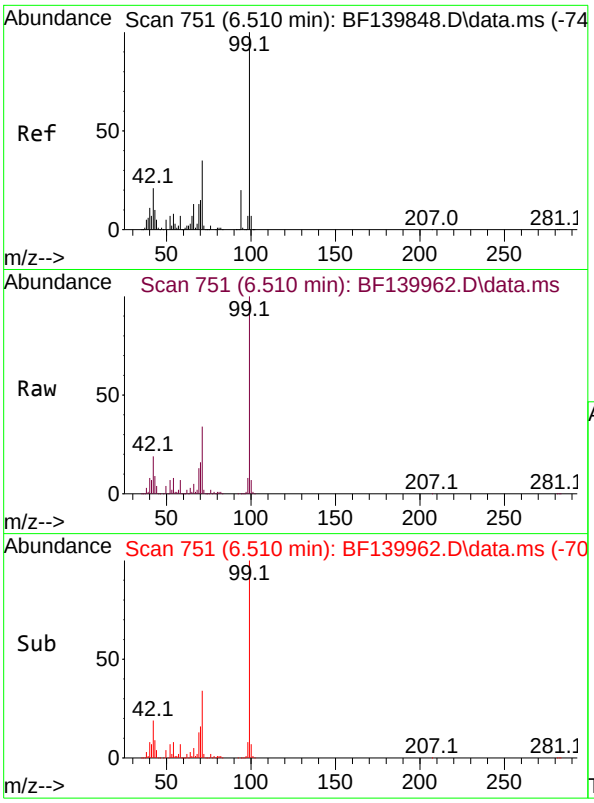


#5
2-Fluorophenol
Concen: 134.468 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:112 Resp: 1257004

Ion	Ratio	Lower	Upper
112	100		
64	62.6	53.0	79.6
63	32.5	27.0	40.4



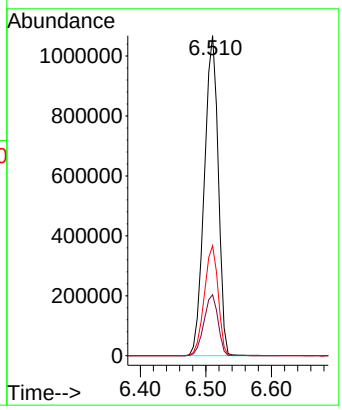


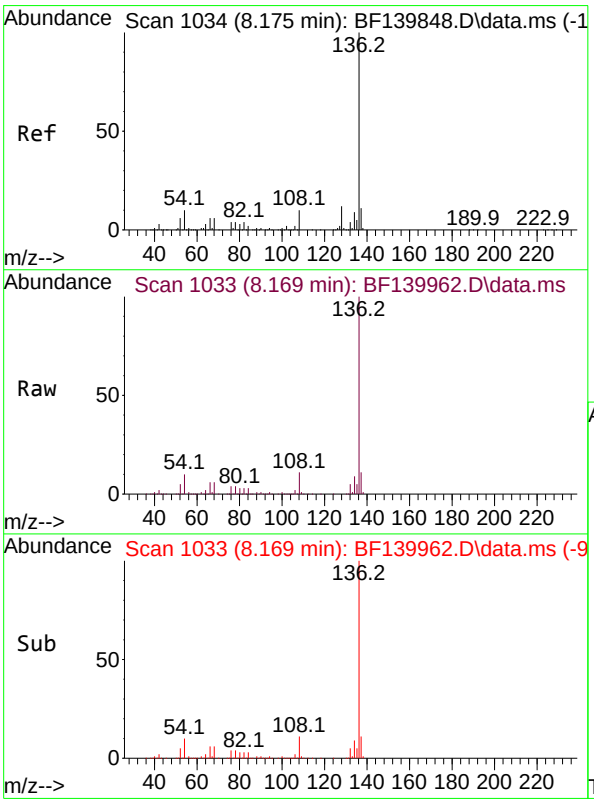
#7
Phenol-d6
Concen: 130.669 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion: 99 Resp: 1582027

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.3	27.7	41.5

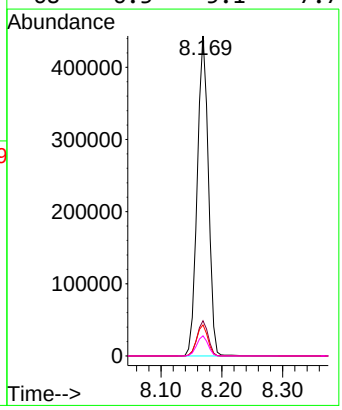


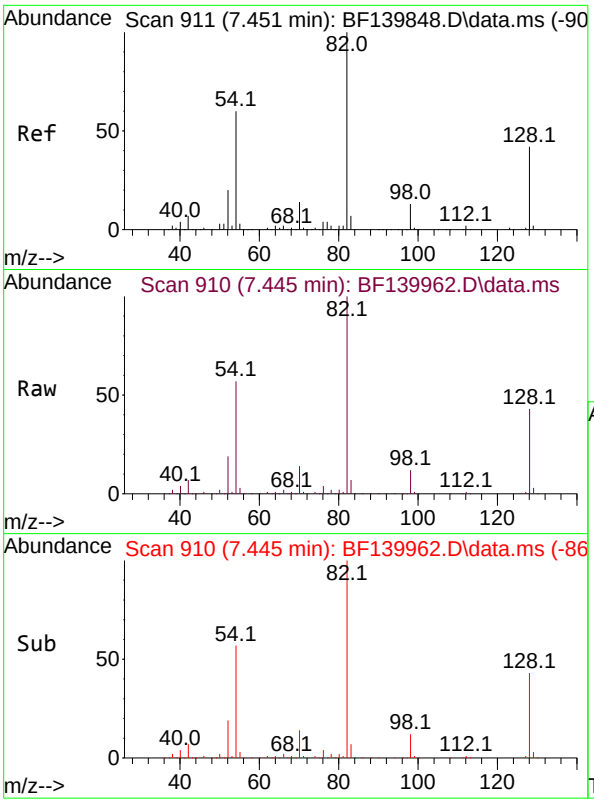


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:136 Resp: 564292

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.7	8.4	12.6
68	6.3	5.1	7.7



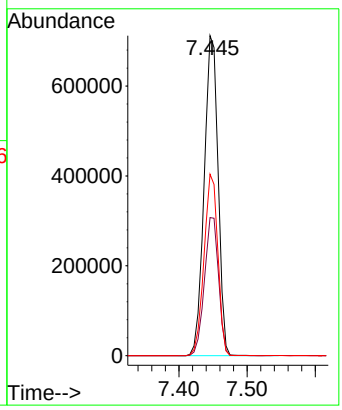


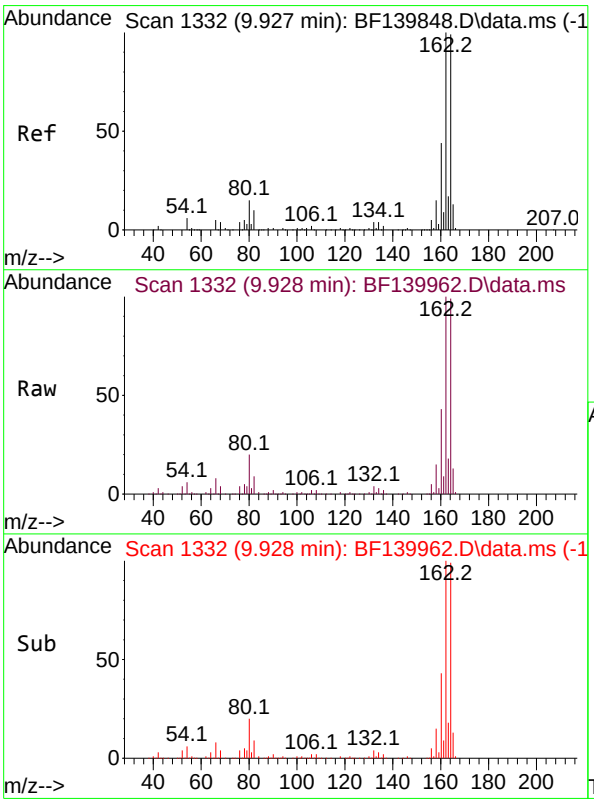
#23
Nitrobenzene-d5
Concen: 99.424 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion: 82 Resp: 1012283

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.4	50.0
54	56.7	47.8	71.8

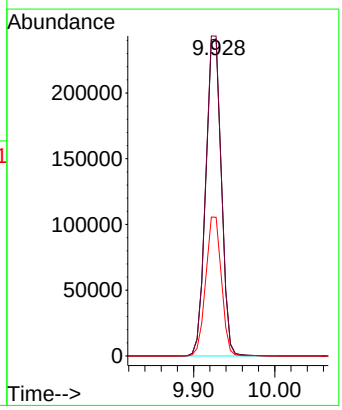


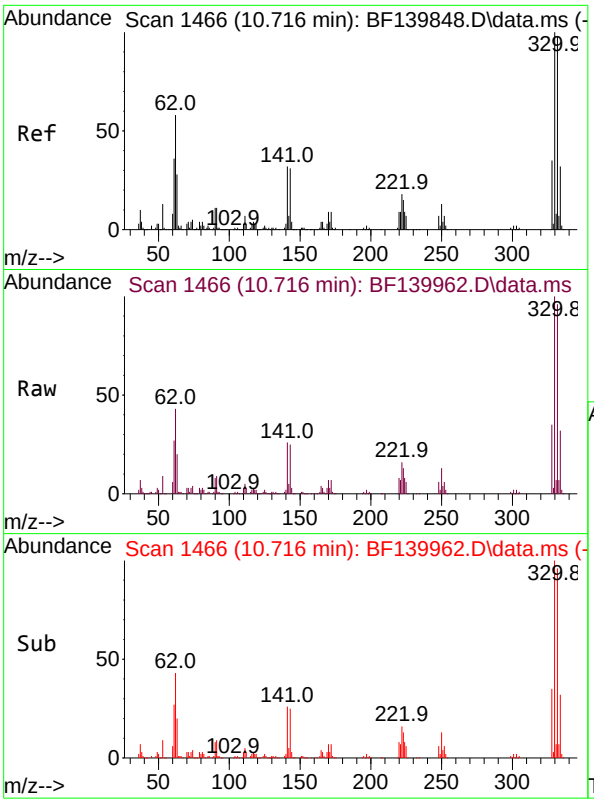


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:164 Resp: 320476

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	43.8	35.4	53.0



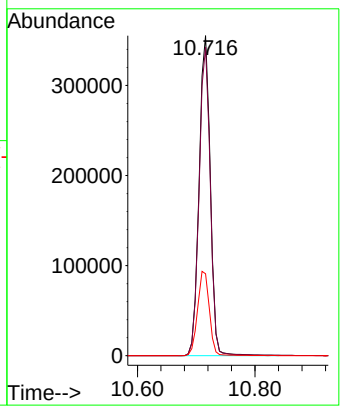


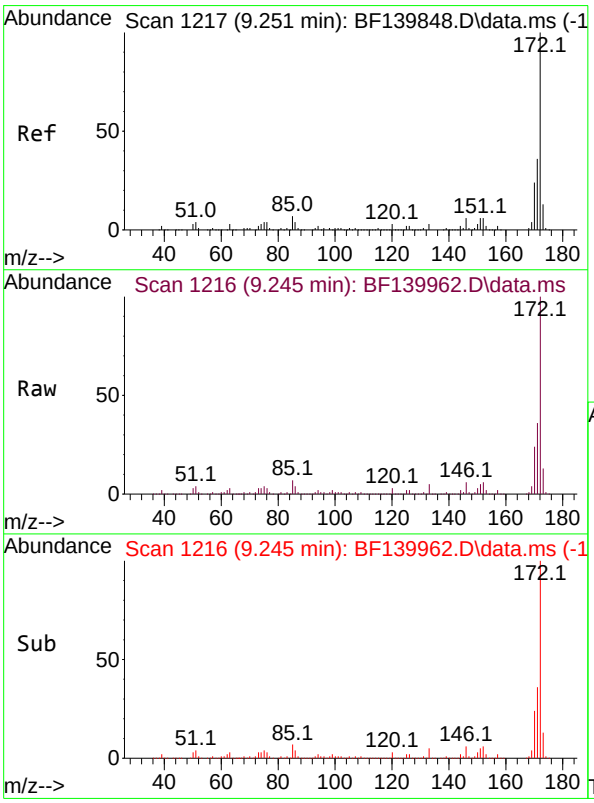
#42
2,4,6-Tribromophenol
Concen: 156.446 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:330 Resp: 468968

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.1	117.1
141	27.8	26.6	39.8

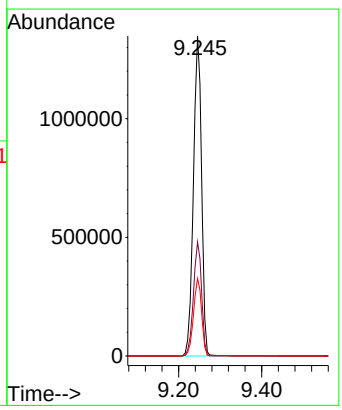


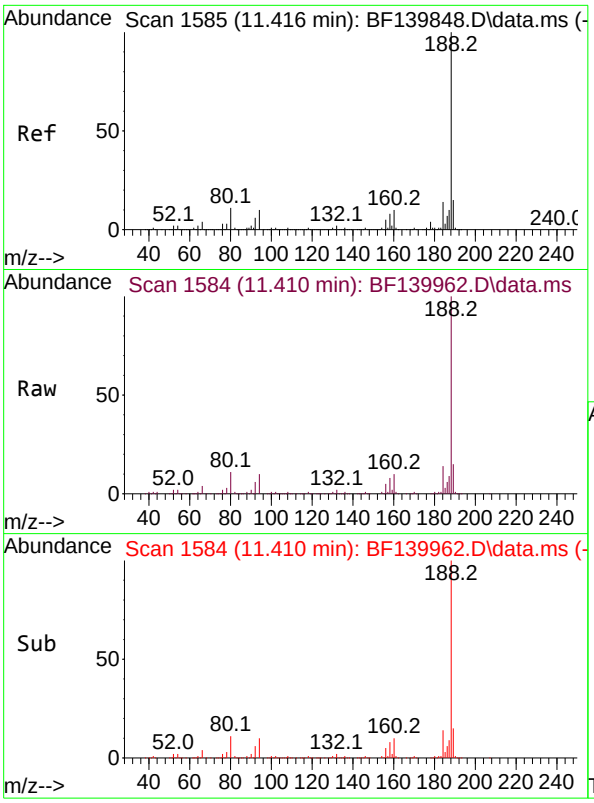


#45
2-Fluorobiphenyl
Concen: 94.748 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:172 Resp: 1837259

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.2	19.1	28.7



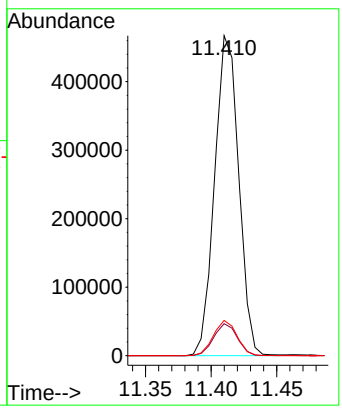


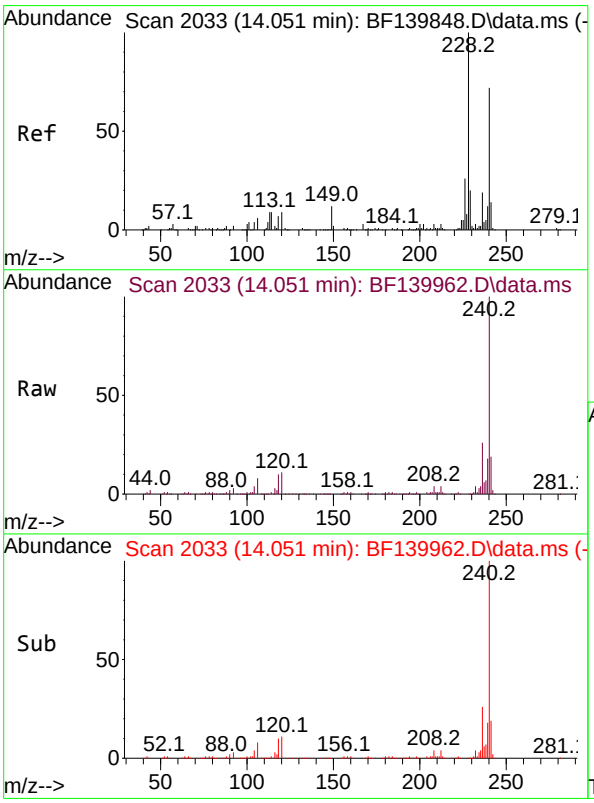
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:188 Resp: 596529

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	11.0	9.0	13.4

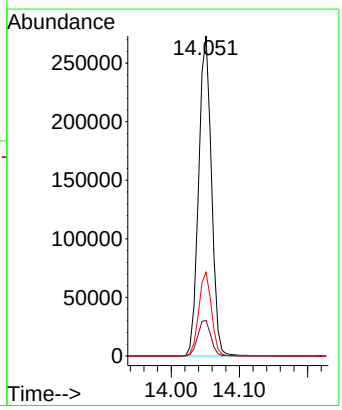


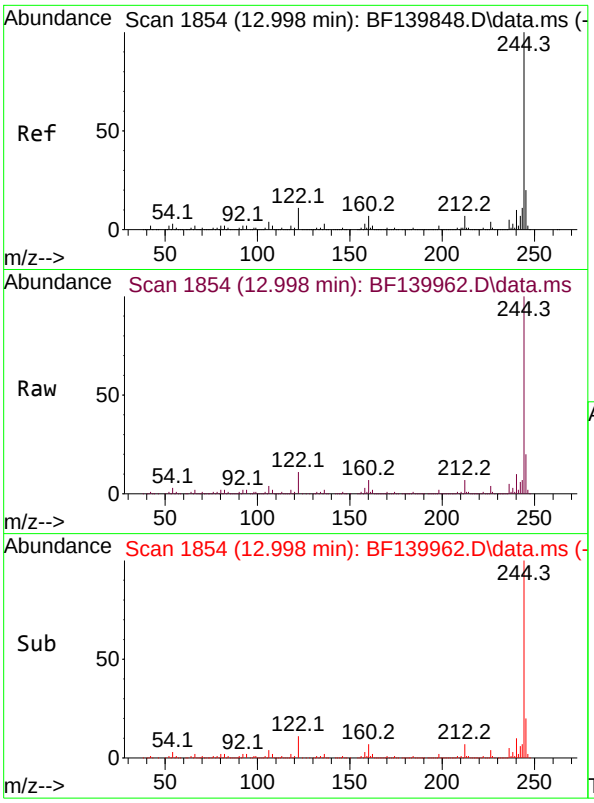


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:240 Resp: 356991

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.4	14.2
236	26.2	20.9	31.3



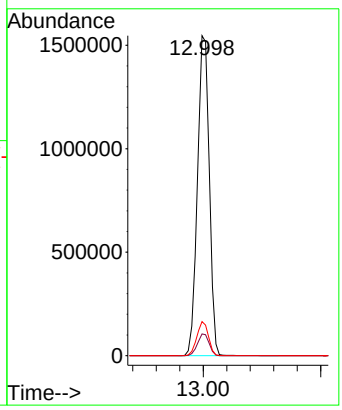


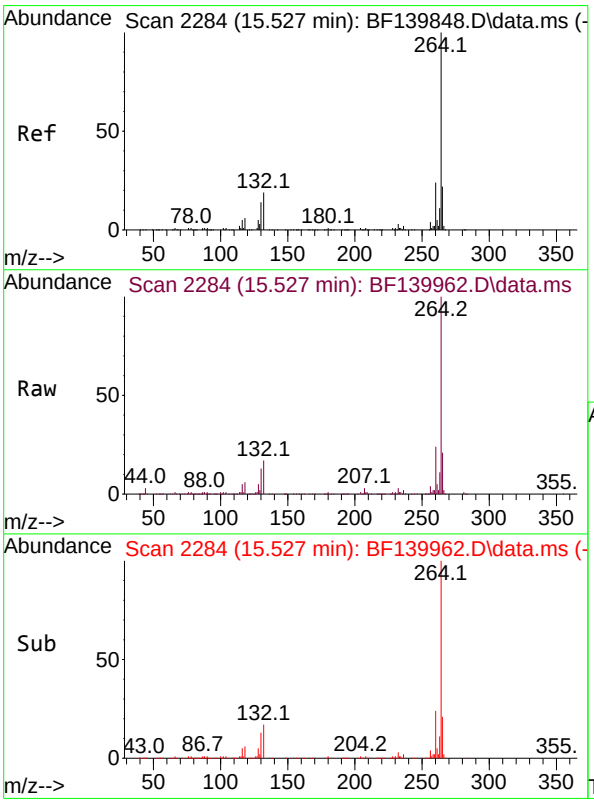
#79
Terphenyl-d14
Concen: 98.449 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:244 Resp: 2156843

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.6	8.6	13.0

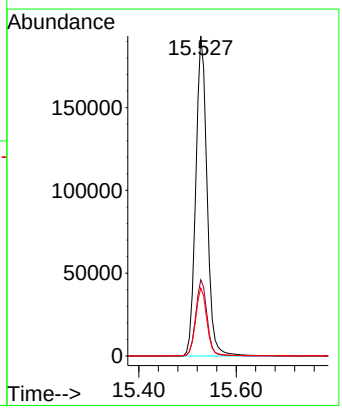




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:264 Resp: 312503

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.3	17.4	26.0



LSC Area Percent Report

Sample Results: **BF139962.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.246	16	26	32	rVB	96327	169159	3.05%	0.506%
2	5.134	509	517	526	rBV	191313	325538	5.87%	0.974%
3	5.516	575	582	587	rBV	3167895	4525109	81.53%	13.534%
4	6.510	744	751	756	rBV	3045622	4503924	81.15%	13.471%
5	6.887	810	815	821	rVB	704321	884368	15.93%	2.645%
6	7.445	904	910	916	rBV	2114373	3005131	54.15%	8.988%
7	8.169	1027	1033	1038	rBV	919728	1164539	20.98%	3.483%
8	9.245	1209	1216	1221	rBV	3958388	5341336	96.24%	15.975%
9	9.922	1325	1331	1344	rVB	1028668	1359976	24.50%	4.068%
10	10.716	1459	1466	1492	rBV	2440568	3383675	60.97%	10.120%
11	11.410	1579	1584	1590	rBV	1126626	1432080	25.80%	4.283%
12	12.998	1848	1854	1860	rBV	4031941	5550060	100.00%	16.599%
13	14.051	2027	2033	2044	rBV	751869	980332	17.66%	2.932%
14	15.527	2278	2284	2299	rBV	505903	809910	14.59%	2.422%

Sum of corrected areas: 33435137

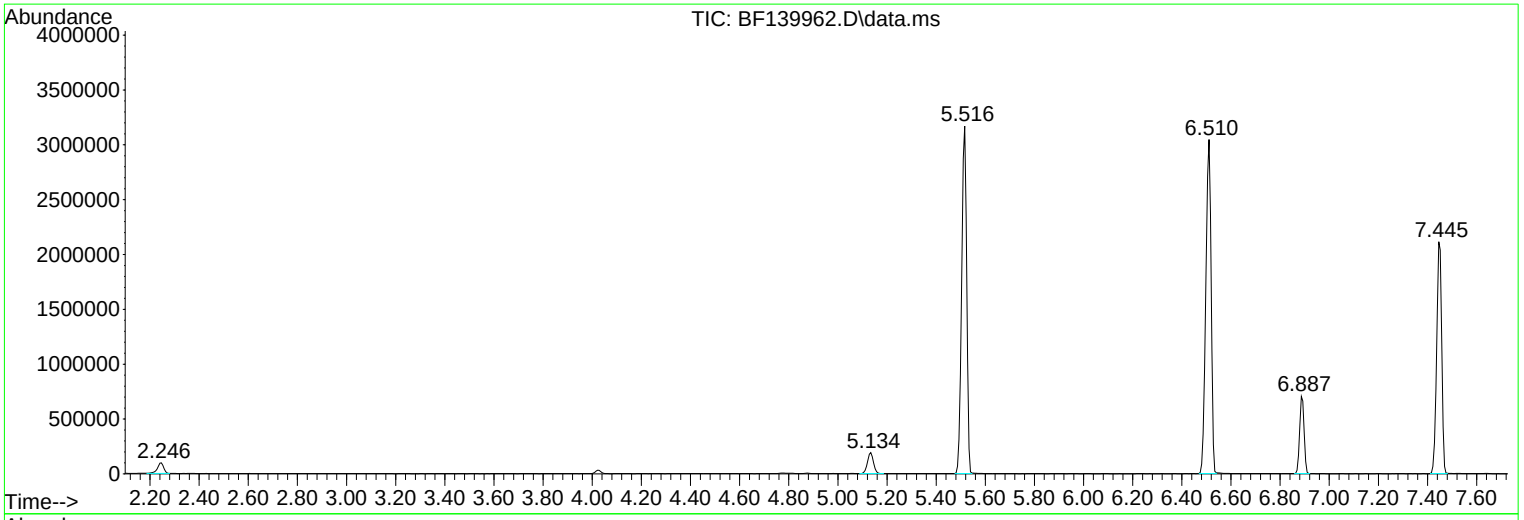
Sample Results: **BF139962.D**

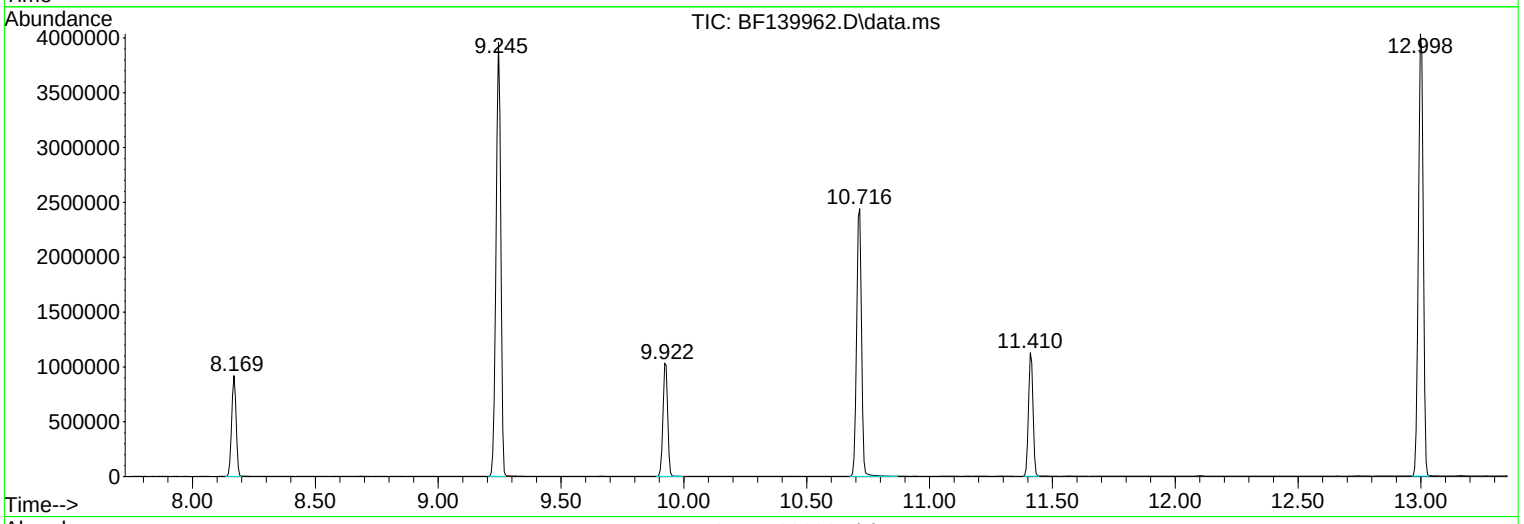
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

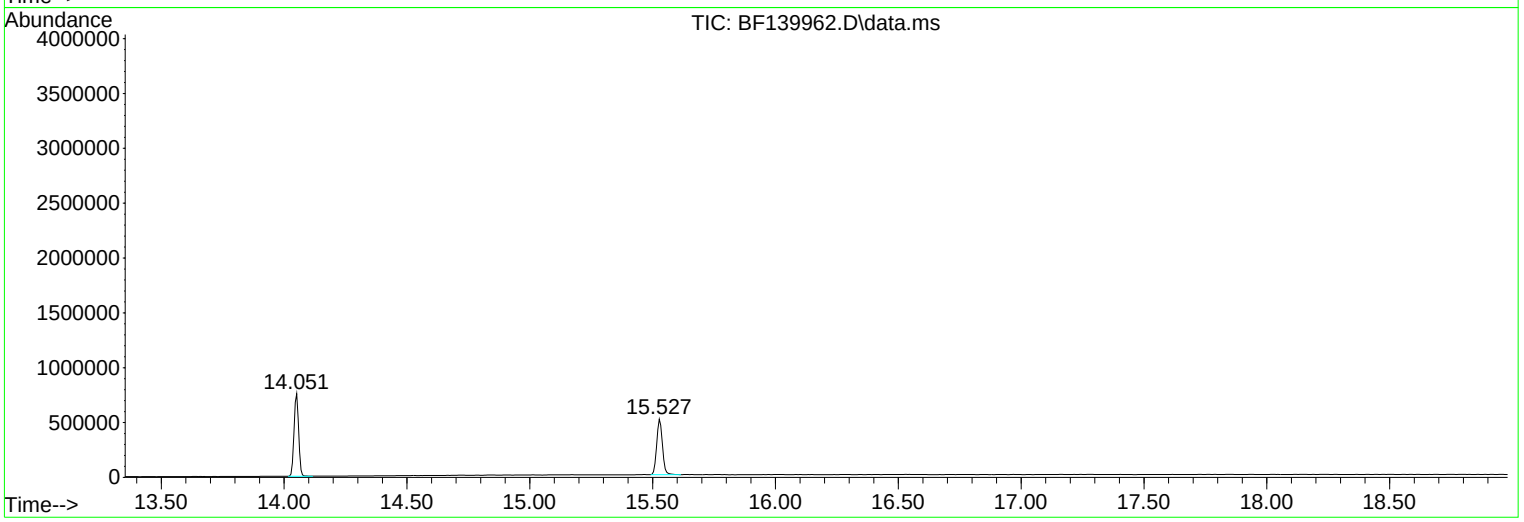
Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

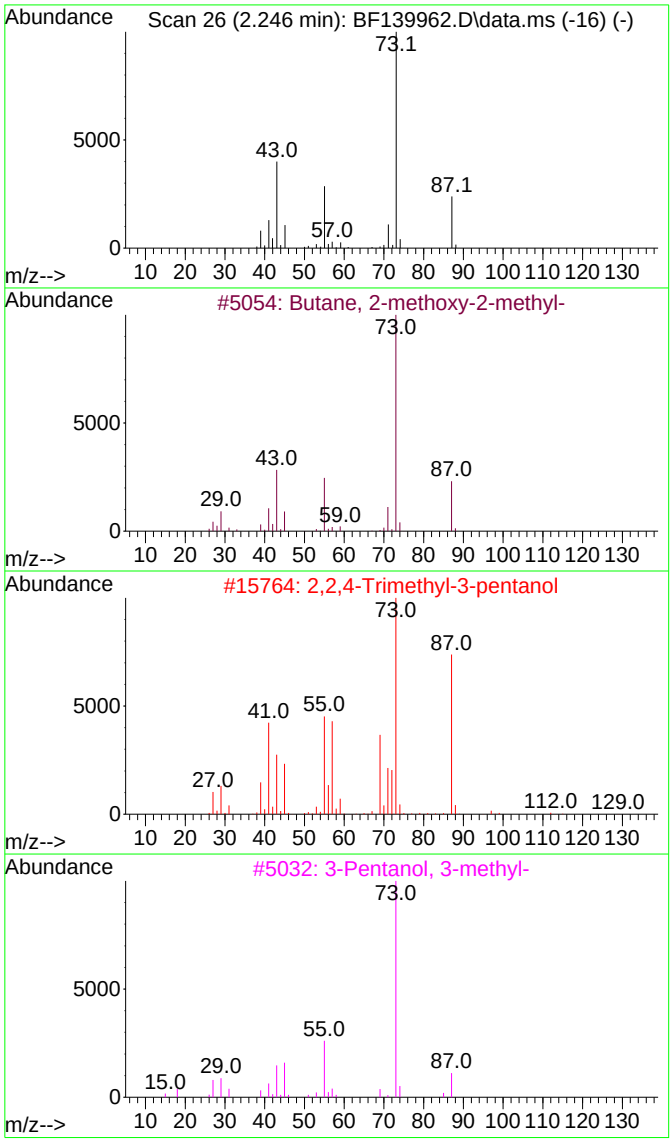
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

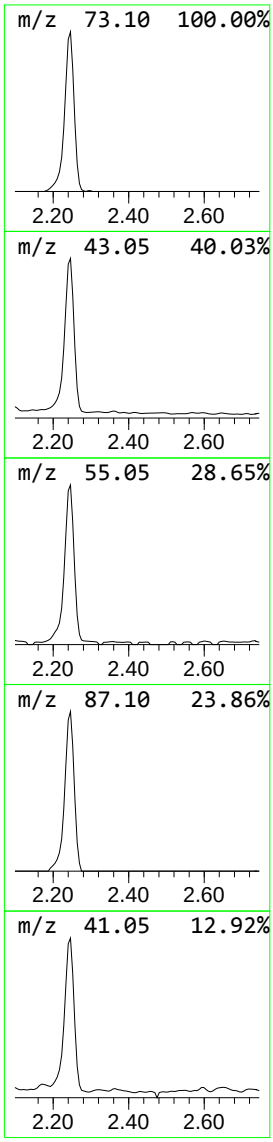
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.246	3.83 ng	169159	1,4-Dichlorobenzene-d4	6.887

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	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

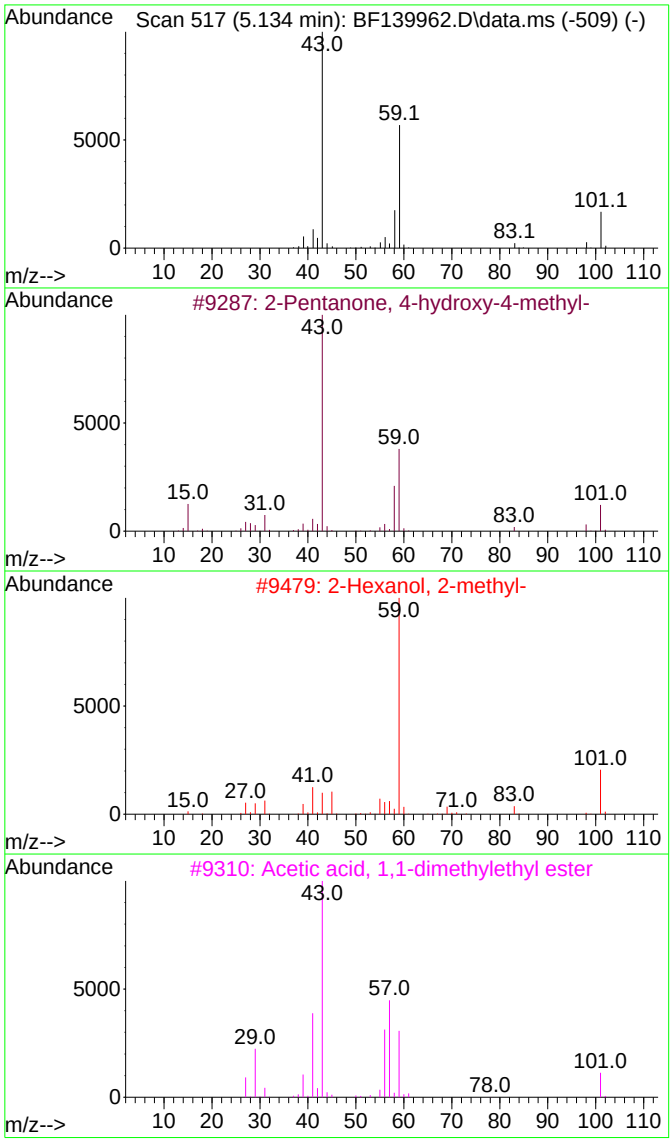
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

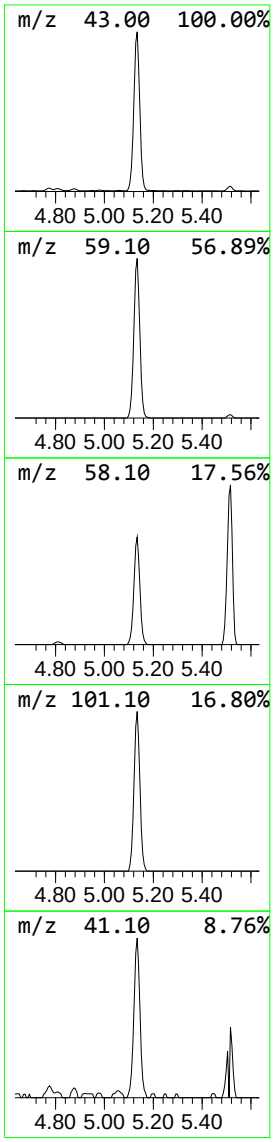
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	7.36 ng	325538	1,4-Dichlorobenzene-d4	6.887

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Sample Results: **BF139962.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.246	3.8	ng	169159	1	6.887	884368	20.0
2-Pentanone, 4-...	5.134	7.4	ng	325538	1	6.887	884368	20.0

Raw Data: **BM048212.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BL	SDG No.:	P4460
Lab Sample ID:	PB164369BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048212.D	1	10/23/24 09:50	10/24/24 11:50	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BM048212.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BL	SDG No.:	P4460
Lab Sample ID:	PB164369BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048212.D	1	10/23/24 09:50	10/24/24 11:50	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BM048212.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BL	SDG No.:	P4460
Lab Sample ID:	PB164369BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048212.D	1	10/23/24 09:50	10/24/24 11:50	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	151		15 (10) - 110 (139)	101%	SPK: 150
13127-88-3	Phenol-d6	138		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.1		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	202000	7.722			
1146-65-2	Naphthalene-d8	755000	10.51			
15067-26-2	Acenaphthene-d10	451000	14.368			
1517-22-2	Phenanthrene-d10	856000	17.109			
1719-03-5	Chrysene-d12	675000	21.333			
1520-96-3	Perylene-d12	711000	24.291			

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_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Time: Oct 24 12:36:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

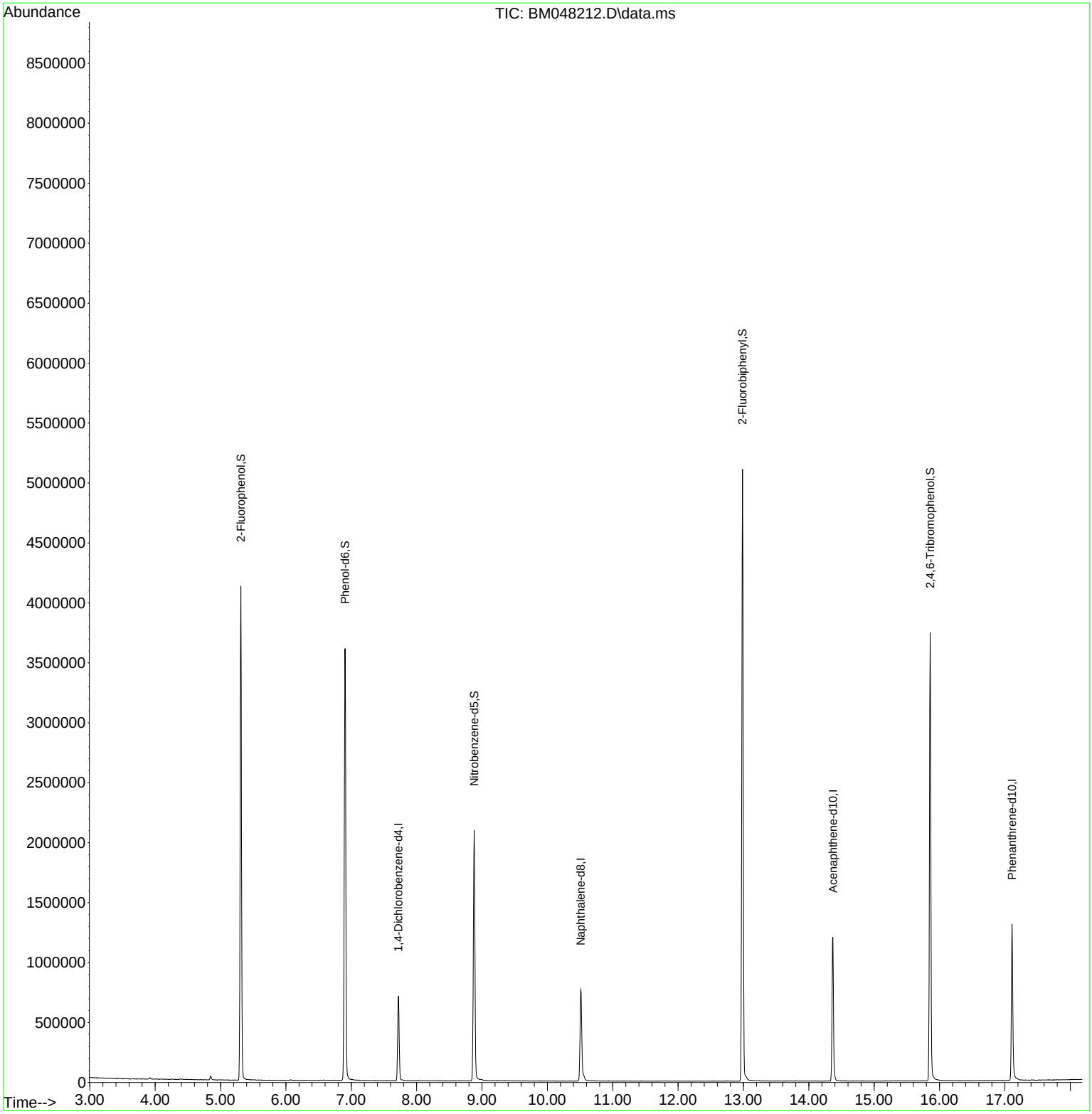
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	201808	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	755271	20.000	ng	0.00
39) Acenaphthene-d10	14.368	164	451085	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	855662	20.000	ng	0.00
76) Chrysene-d12	21.333	240	674681	20.000	ng	0.00
86) Perylene-d12	24.291	264	711330	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	1817481	151.386	ng	0.00
7) Phenol-d6	6.904	99	2155715	137.876	ng	0.00
23) Nitrobenzene-d5	8.881	82	1232464	92.137	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	732767	132.716	ng	0.00
45) 2-Fluorobiphenyl	12.986	172	2758153	93.827	ng	0.00
79) Terphenyl-d14	19.733	244	3487510	105.488	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Time: Oct 24 12:36:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

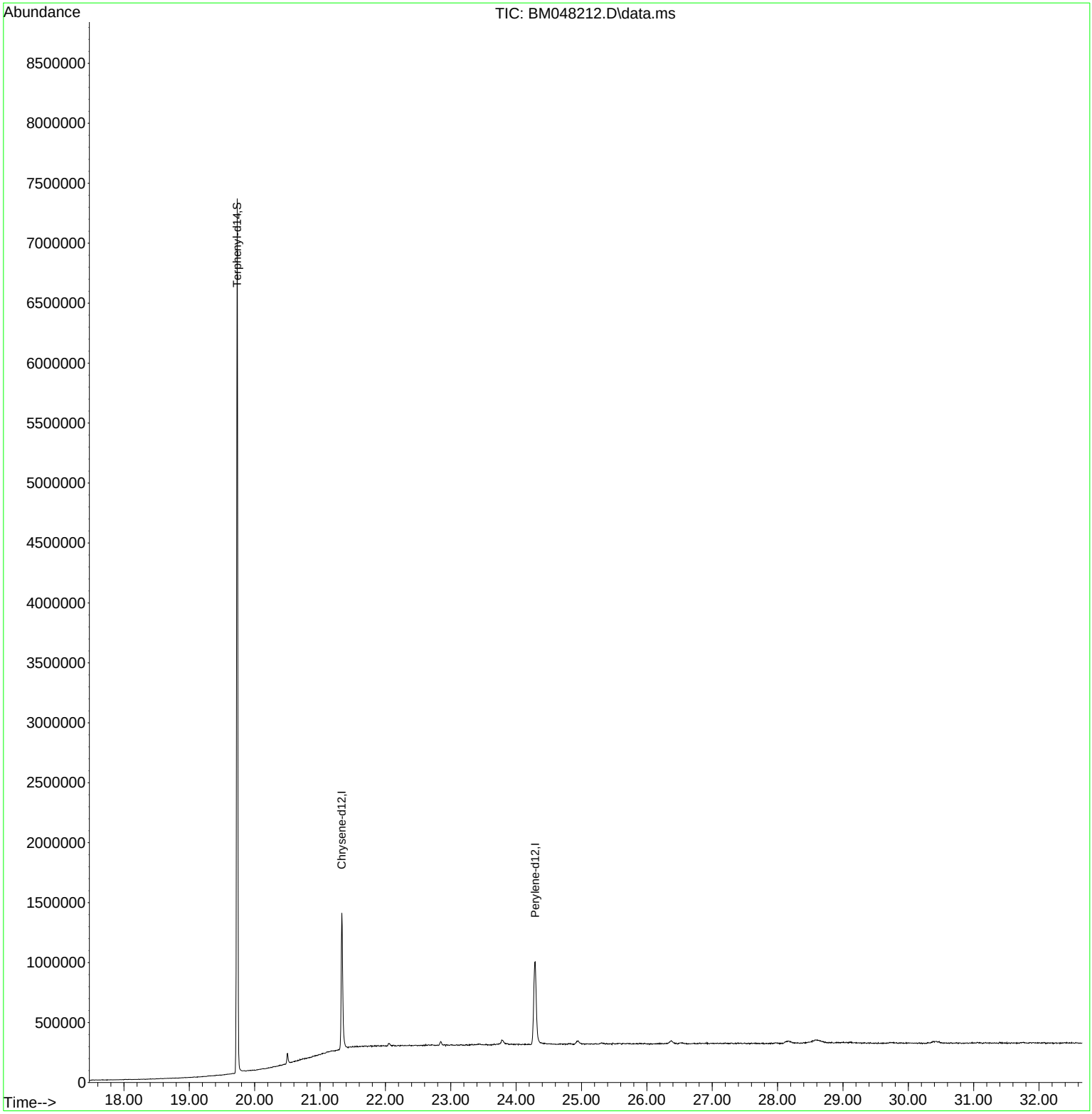


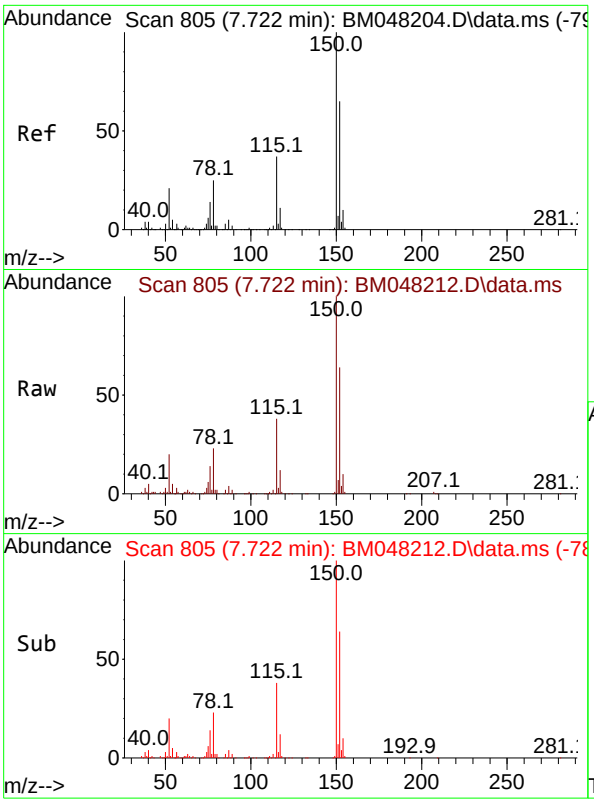
Sample Results: **BM048212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Time: Oct 24 12:36:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



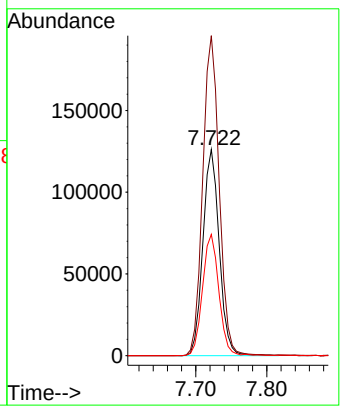


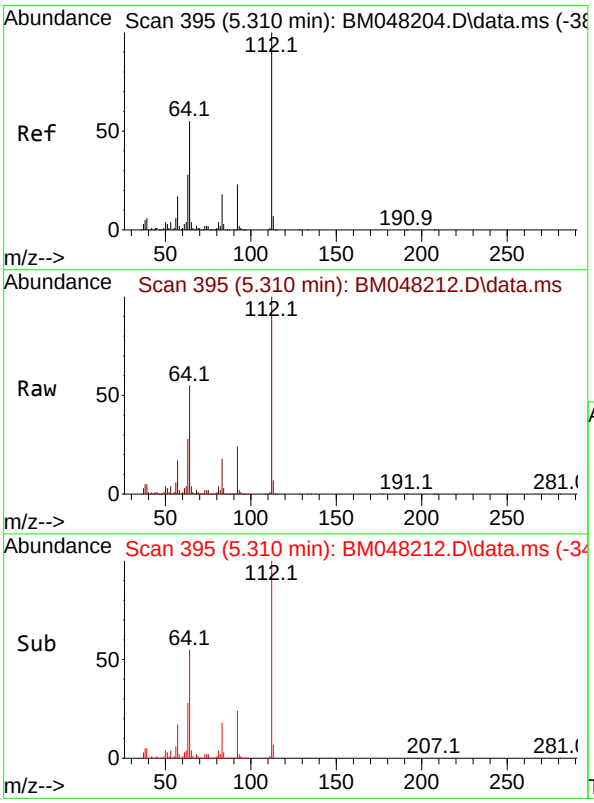
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:152 Resp: 201808

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.0	184.6
115	58.8	45.8	68.6

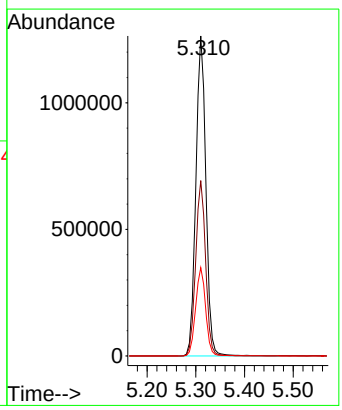


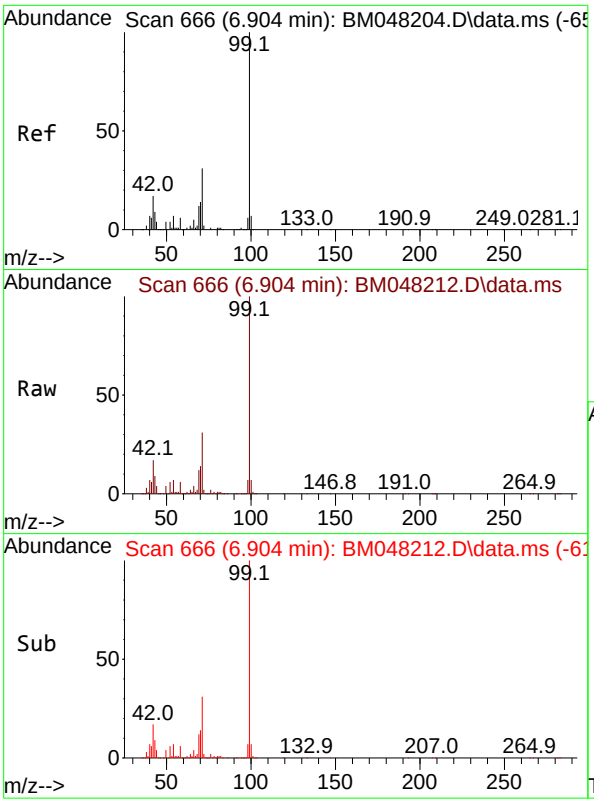


#5
2-Fluorophenol
Concen: 151.386 ng
RT: 5.310 min Scan# 395
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:112 Resp: 1817481

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.2	66.2
63	27.6	22.7	34.1



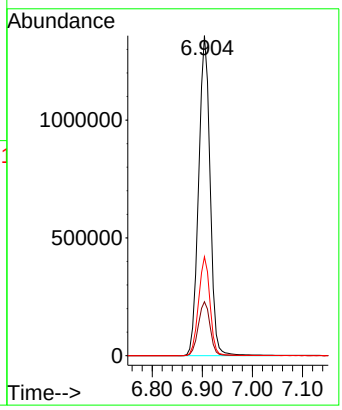


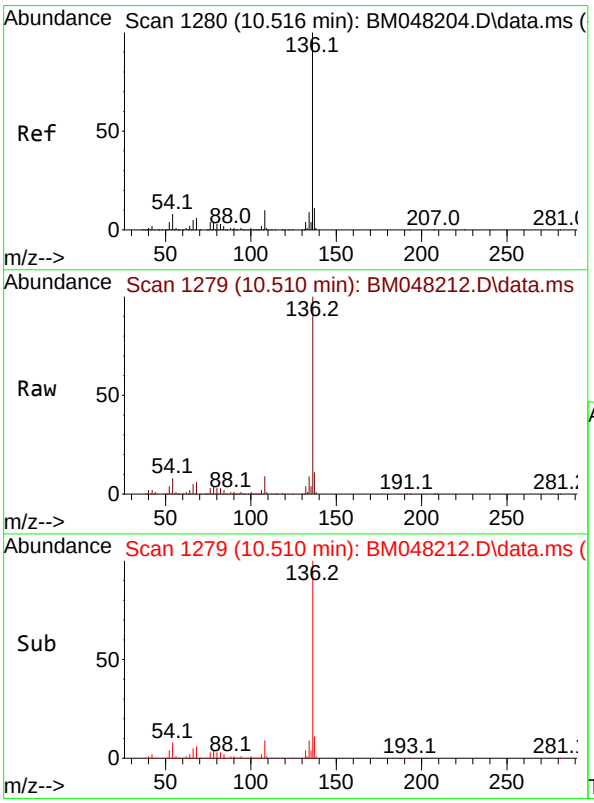
#7
Phenol-d6
Concen: 137.876 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion: 99 Resp: 2155715

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.8
71	30.9	24.9	37.3

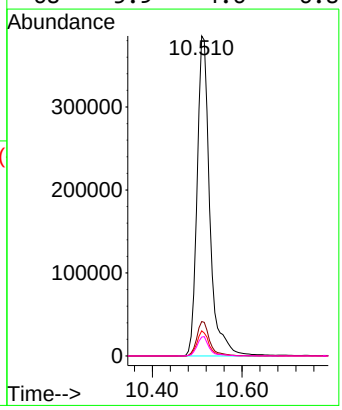


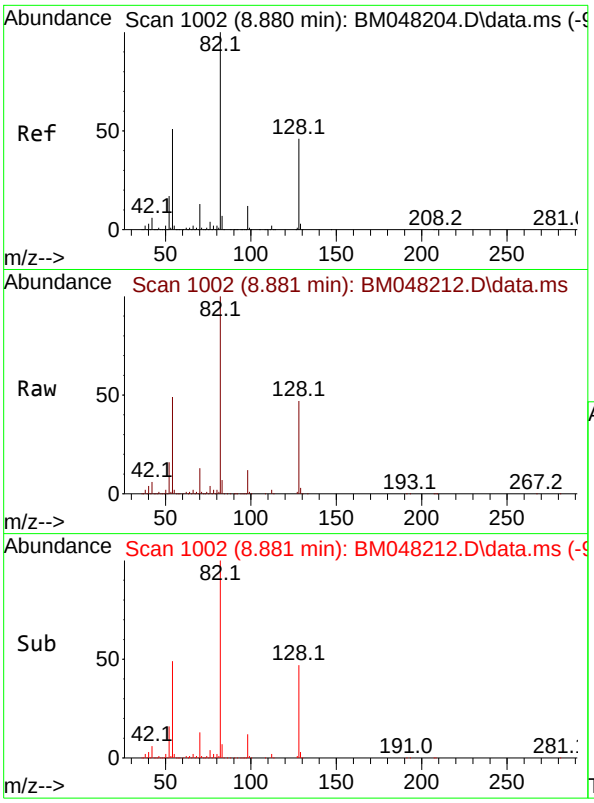


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:136 Resp: 755271

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.5	9.7
68	5.9	4.6	6.8



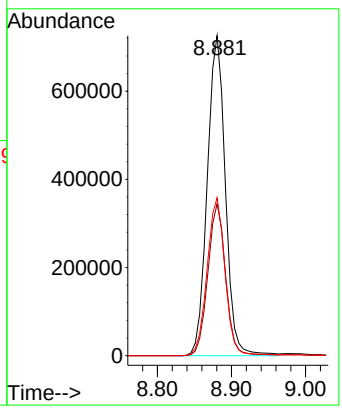


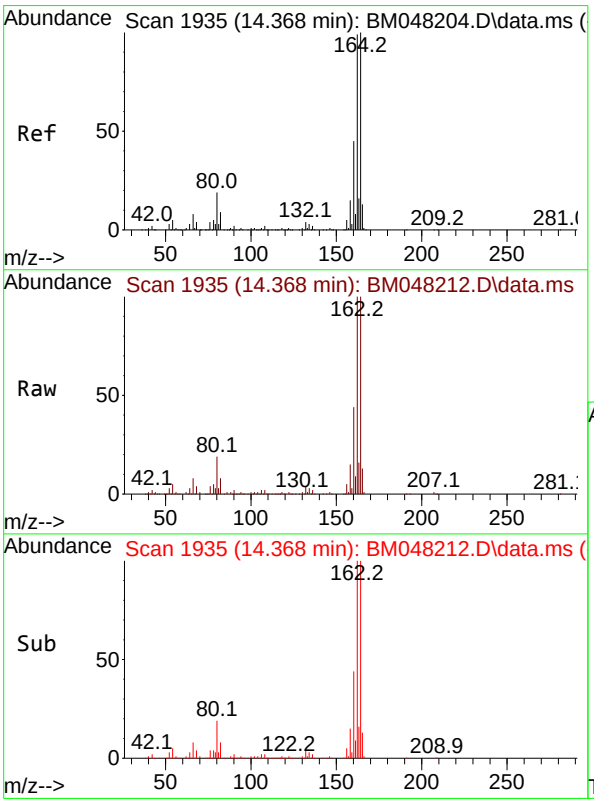
#23
Nitrobenzene-d5
Concen: 92.137 ng
RT: 8.881 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion: 82 Resp: 1232464

Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.6	54.8
54	49.4	41.0	61.4

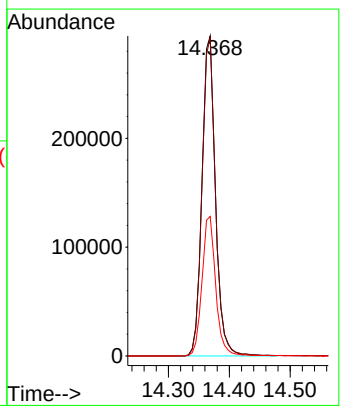


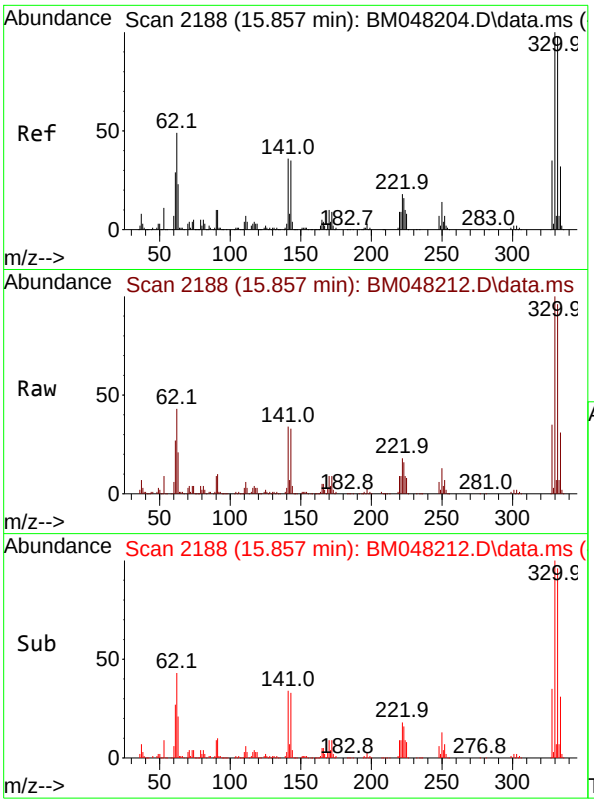


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.368 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:164 Resp: 451085

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.1	118.7
160	43.6	35.8	53.8



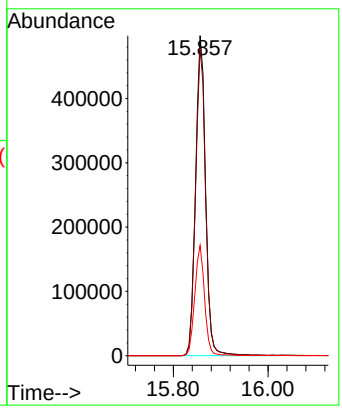


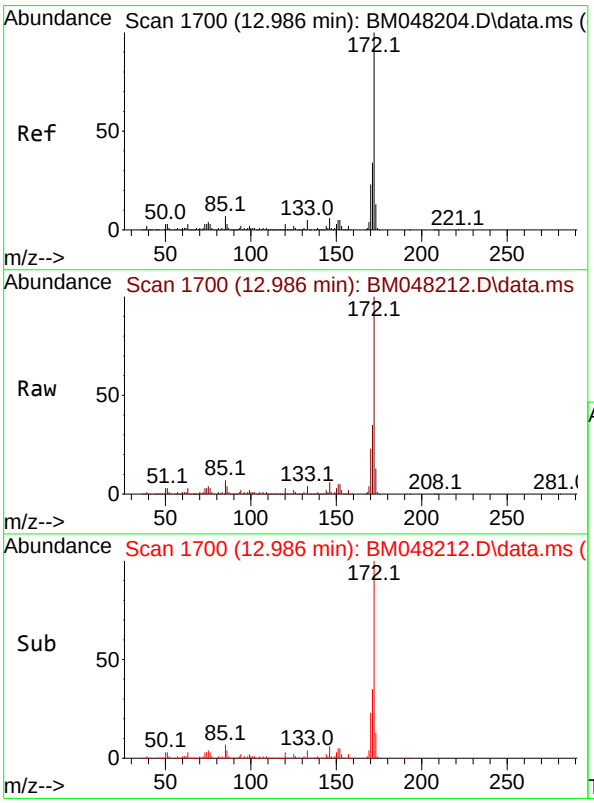
#42
2,4,6-Tribromophenol
Concen: 132.716 ng
RT: 15.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:330 Resp: 732767

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	33.7	27.5	41.3

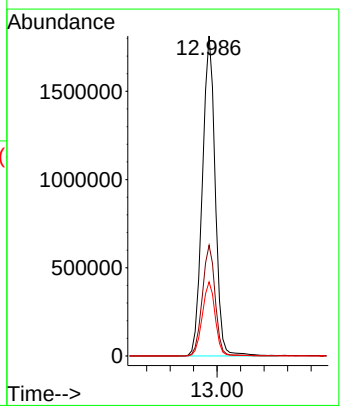


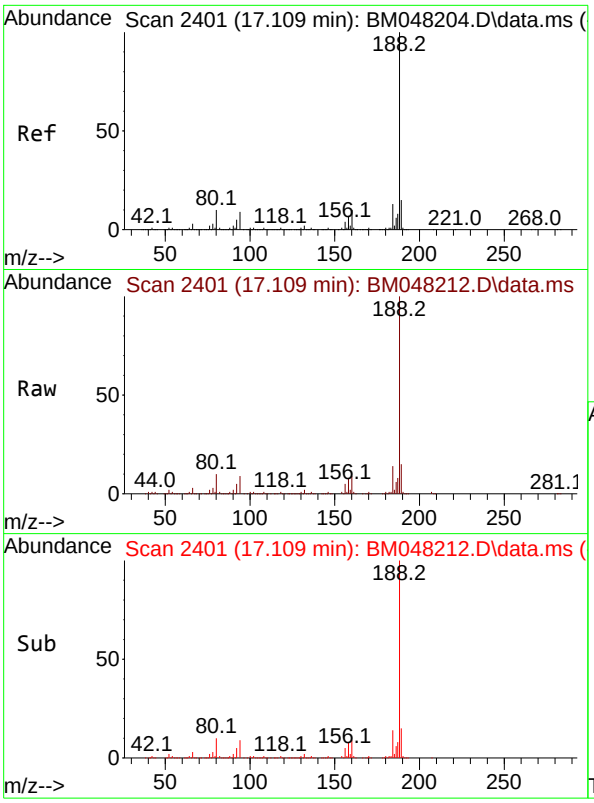


#45
2-Fluorobiphenyl
Concen: 93.827 ng
RT: 12.986 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:172 Resp: 2758153

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	23.2	18.5	27.7



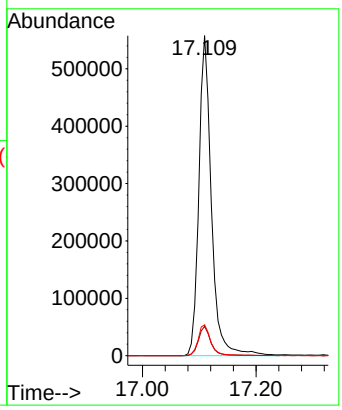


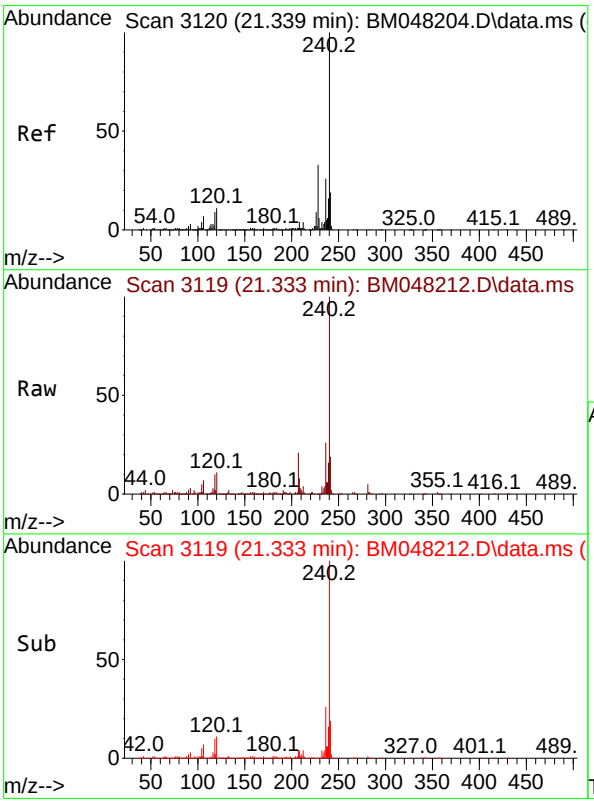
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:188 Resp: 855662

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	9.6	8.0	12.0

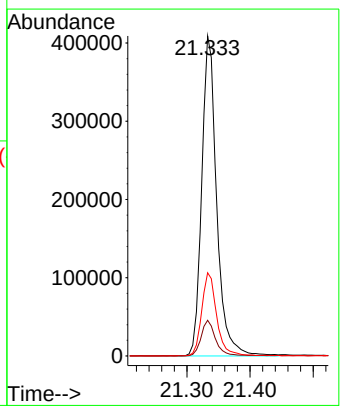


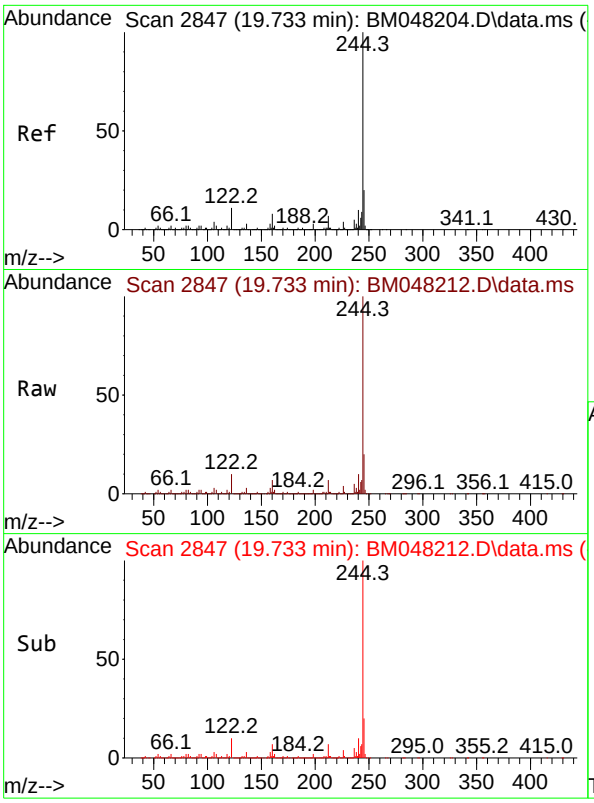


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:240 Resp: 674681

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	26.0	20.7	31.1



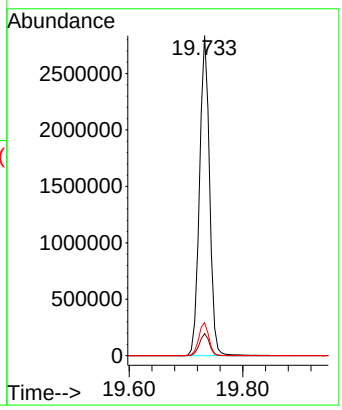


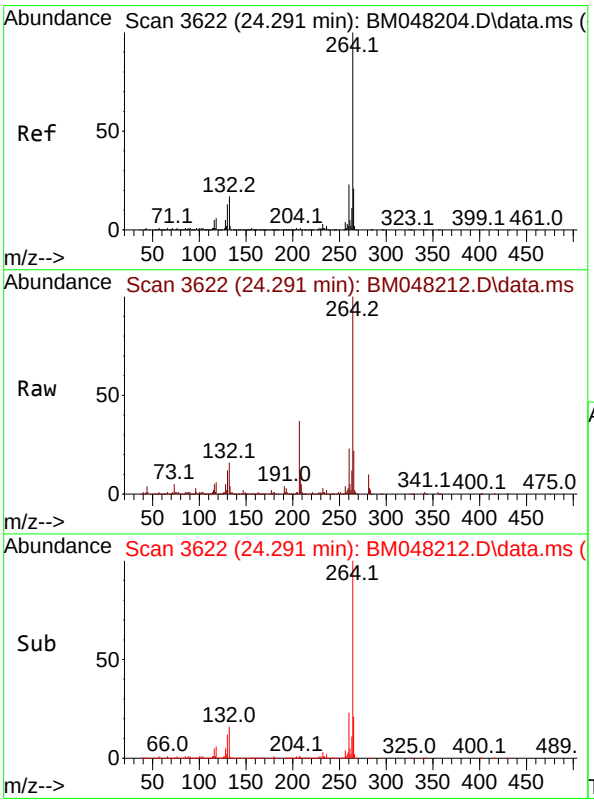
#79
Terphenyl-d14
Concen: 105.488 ng
RT: 19.733 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:244 Resp: 3487510

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.3	8.8	13.2

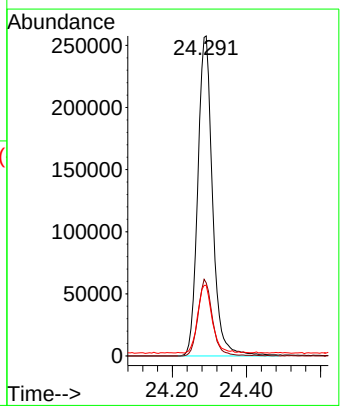




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:264 Resp: 711330

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	22.1	17.4	26.2



Sample Results: **BM048212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

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_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM048212.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.310	388	395	409	rBV	4120565	5919760	65.60%	12.383%
2	6.904	657	666	679	rBV	3602233	5803898	64.32%	12.141%
3	7.722	798	805	812	rBV	707423	1134868	12.58%	2.374%
4	8.881	994	1002	1016	rBV	2088077	3539729	39.23%	7.405%
5	10.510	1269	1279	1298	rBV	761253	1497998	16.60%	3.134%
6	12.986	1692	1700	1720	rBV	5105062	7763813	86.04%	16.241%
7	14.368	1928	1935	1948	rBV	1200861	1873390	20.76%	3.919%
8	15.857	2181	2188	2204	rBV	3737210	5480585	60.74%	11.465%
9	17.109	2394	2401	2414	rBV	1305231	1996363	22.12%	4.176%
10	19.733	2841	2847	2860	rBV	7291555	9023373	100.00%	18.876%
11	20.503	2974	2978	2985	rBV	84643	126947	1.41%	0.266%
12	21.333	3114	3119	3131	rBV	1124335	1844048	20.44%	3.858%
13	24.291	3614	3622	3635	rVB	677450	1799297	19.94%	3.764%

Sum of corrected areas: 47804069

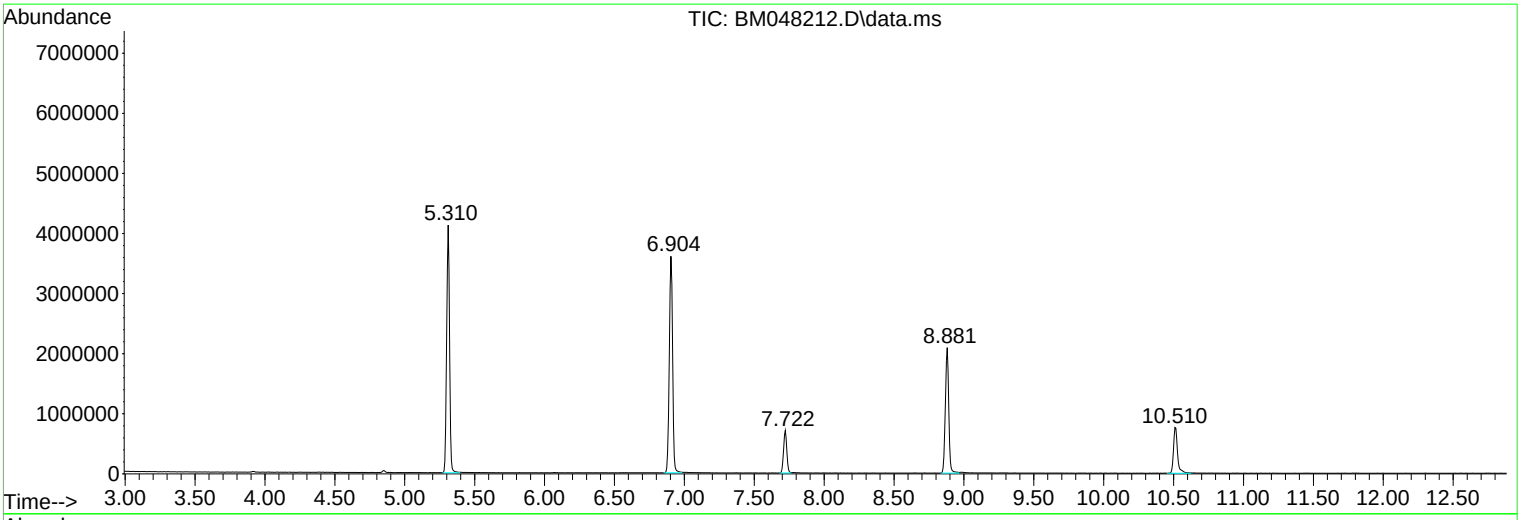
Sample Results: **BM048212.D**

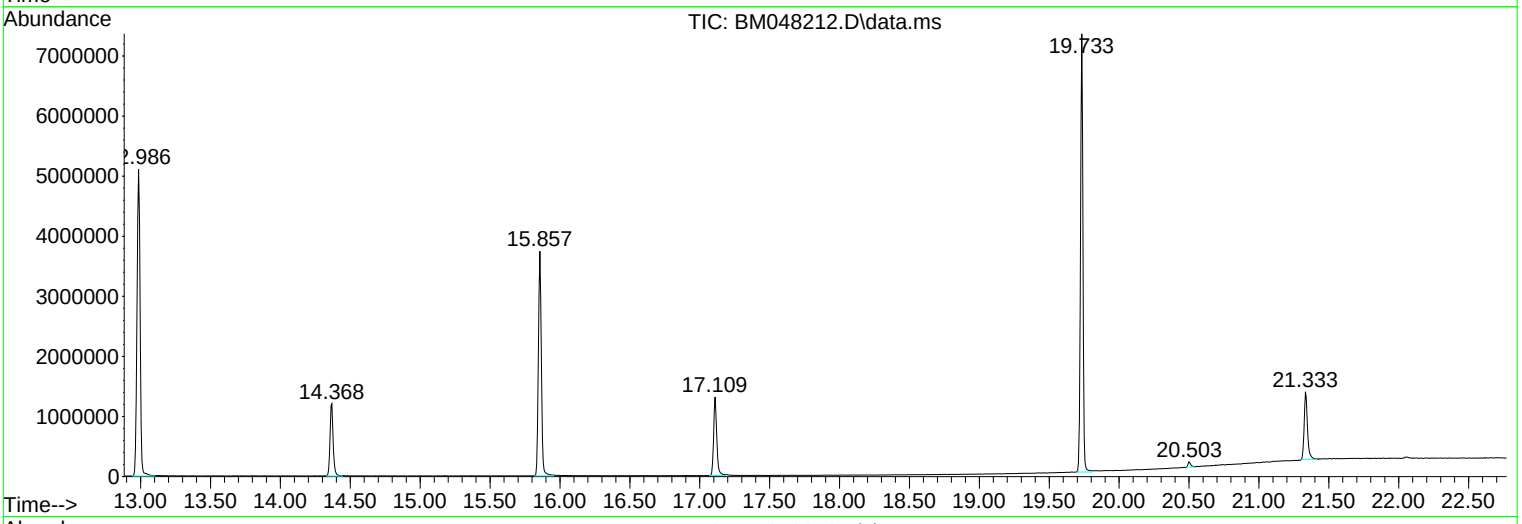
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

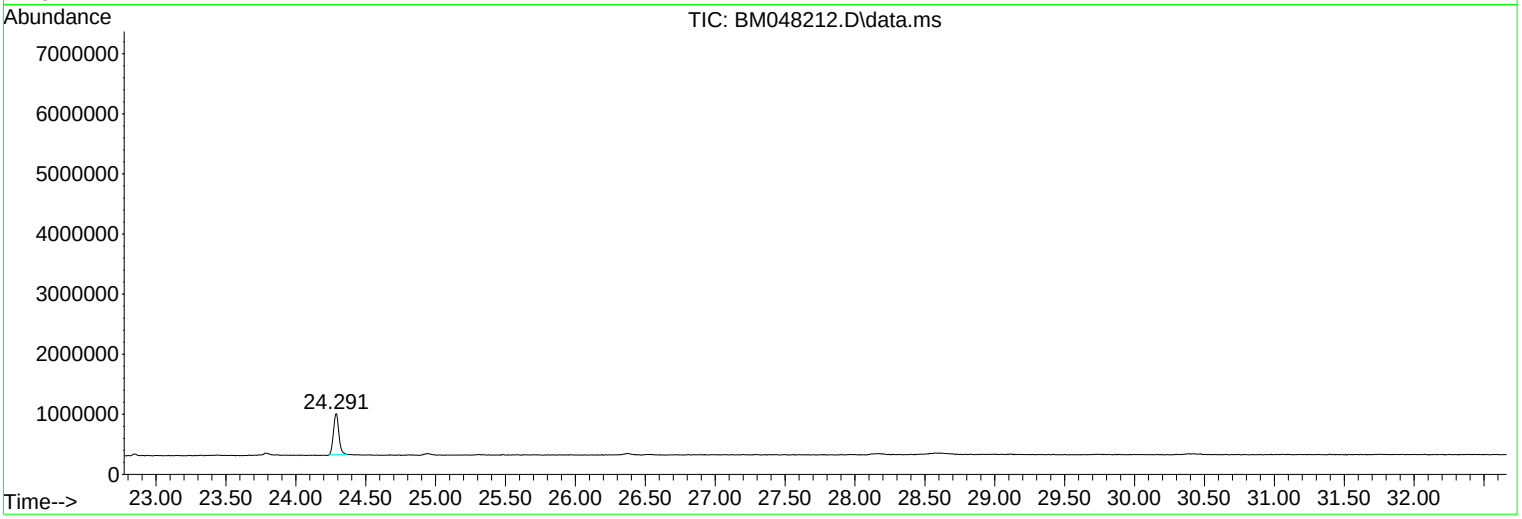
Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BM048212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BM048212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.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

Raw Data: **BF139963.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BS	SDG No.:	P4460
Lab Sample ID:	PB164286BS	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
BF139963.D	1	10/21/24 09:28	10/23/24 14:33	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	450		180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1500		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1100		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	170	ug/Kg
105-60-2	Caprolactam	1500		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5300	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	170	ug/Kg

Raw Data: **BF139963.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BS	SDG No.:	P4460
Lab Sample ID:	PB164286BS	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
BF139963.D	1	10/21/24 09:28	10/23/24 14:33	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	170	ug/Kg
86-73-7	Fluorene	1400		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85.0	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1400		84.0	170	ug/Kg
120-12-7	Anthracene	1500		84.4	170	ug/Kg
86-74-8	Carbazole	1400		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	170	ug/Kg
129-00-0	Pyrene	1500		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1500		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	170	ug/Kg

Raw Data: **BF139963.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BS	SDG No.:	P4460
Lab Sample ID:	PB164286BS	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
BF139963.D	1	10/21/24 09:28	10/23/24 14:33	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		30 (18) - 130 (112)	82%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		30 (20) - 130 (109)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		30 (10) - 130 (116)	98%	SPK: 150
1718-51-0	Terphenyl-d14	95.7		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.893			
1146-65-2	Naphthalene-d8	621000	8.175			
15067-26-2	Acenaphthene-d10	350000	9.928			
1517-22-2	Phenanthrene-d10	636000	11.416			
1719-03-5	Chrysene-d12	320000	14.057			
1520-96-3	Perylene-d12	348000	15.533			

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: **BF139963.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139963.D
Acq On : 23 Oct 2024 14:33
Operator : RC/JU
Sample : PB164286BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 23 15:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	158593	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	620873	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	350222	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	635882	20.000	ng	0.00
76) Chrysene-d12	14.057	240	319612	20.000	ng	0.00
86) Perylene-d12	15.533	264	347575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1248672	123.258	ng	0.02
7) Phenol-d6	6.516	99	1574829	120.026	ng	0.00
23) Nitrobenzene-d5	7.451	82	1028527	91.814	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	482928	147.420	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1833539	86.525	ng	0.00
79) Terphenyl-d14	12.998	244	1877217	95.706	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	175724	37.203	ng	94
3) Pyridine	3.522	79	462499	39.504	ng	96
4) n-Nitrosodimethylamine	3.469	42	256555	40.786	ng	99
6) Aniline	6.551	93	572321	46.803	ng	98
8) 2-Chlorophenol	6.675	128	470973	45.476	ng	97
9) Benzaldehyde	6.440	77	100752	13.650	ng	96
10) Phenol	6.528	94	584091m	43.180	ng	
11) bis(2-Chloroethyl)ether	6.628	93	449836	43.025	ng	98
12) 1,3-Dichlorobenzene	6.834	146	503588	42.360	ng	99
13) 1,4-Dichlorobenzene	6.910	146	511955	43.104	ng	99
14) 1,2-Dichlorobenzene	7.057	146	489916	44.196	ng	99
15) Benzyl Alcohol	7.028	79	428535	44.525	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	745202	41.800	ng	97
17) 2-Methylphenol	7.134	107	387922	43.927	ng	99
18) Hexachloroethane	7.404	117	184304	43.515	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	335625	42.176	ng	95
20) 3+4-Methylphenols	7.287	107	474544	42.012	ng	92
22) Acetophenone	7.298	105	644789	42.400	ng	98
24) Nitrobenzene	7.469	77	517121	42.103	ng	100
25) Isophorone	7.710	82	928529	43.671	ng	99
26) 2-Nitrophenol	7.787	139	243091	52.464	ng	95
27) 2,4-Dimethylphenol	7.816	122	395771	51.225	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	547368	42.491	ng	100
29) 2,4-Dichlorophenol	8.022	162	388777	44.178	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	408692	41.971	ng	100
31) Naphthalene	8.193	128	1371252	42.824	ng	100
32) Benzoic acid	7.928	122	303453	45.032	ng	97
33) 4-Chloroaniline	8.240	127	359722	32.945	ng	98
34) Hexachlorobutadiene	8.310	225	262325	42.876	ng	100
35) Caprolactam	8.604	113	129060m	46.123	ng	
36) 4-Chloro-3-methylphenol	8.716	107	430883	44.218	ng	97
37) 2-Methylnaphthalene	8.887	142	857996	43.751	ng	99
38) 1-Methylnaphthalene	8.987	142	798971	41.525	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	402191	42.567	ng	99
41) Hexachlorocyclopentadiene	9.040	237	525230	159.761	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	311582	46.578	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139963.D
Acq On : 23 Oct 2024 14:33
Operator : RC/JU
Sample : PB164286BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 23 15:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	308415	44.687	ng		99
46) 1,1'-Biphenyl	9.351	154	1042962	42.778	ng		99
47) 2-Chloronaphthalene	9.375	162	827583	42.145	ng		100
48) 2-Nitroaniline	9.469	65	292014	48.623	ng		92
49) Acenaphthylene	9.792	152	1296649	45.675	ng		100
50) Dimethylphthalate	9.651	163	984207	45.117	ng		100
51) 2,6-Dinitrotoluene	9.710	165	220063	46.591	ng		95
52) Acenaphthene	9.963	154	901159	49.071	ng		100
53) 3-Nitroaniline	9.875	138	177145	36.368	ng		97
54) 2,4-Dinitrophenol	9.986	184	232244	115.216	ng	#	1
55) Dibenzofuran	10.134	168	1145279	43.467	ng		99
56) 4-Nitrophenol	10.034	139	362307	96.682	ng		98
57) 2,4-Dinitrotoluene	10.116	165	295318	50.843	ng		96
58) Fluorene	10.481	166	870747	43.389	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	264684	48.921	ng		96
60) Diethylphthalate	10.351	149	945782	44.157	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	447598	44.165	ng		97
62) 4-Nitroaniline	10.492	138	224753	48.856	ng		96
63) Azobenzene	10.628	77	963247	42.420	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	158383	61.064	ng		89
66) n-Nitrosodiphenylamine	10.586	169	820984	43.138	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	288868	44.097	ng		97
68) Hexachlorobenzene	11.022	284	325983	44.247	ng		99
69) Atrazine	11.116	200	265737	51.545	ng		99
70) Pentachlorophenol	11.216	266	400627	89.599	ng		100
71) Phenanthrene	11.439	178	1301995	43.347	ng		100
72) Anthracene	11.492	178	1321841	45.105	ng		100
73) Carbazole	11.645	167	1132997	41.570	ng		99
74) Di-n-butylphthalate	11.975	149	1373983	43.634	ng		100
75) Fluoranthene	12.628	202	1258467	41.445	ng		100
77) Benzidine	12.745	184	417992	79.534	ng		99
78) Pyrene	12.857	202	1262248	45.118	ng		100
80) Butylbenzylphthalate	13.475	149	406282	48.439	ng		98
81) Benzo(a)anthracene	14.045	228	948731	45.600	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	244157	40.249	ng		99
83) Chrysene	14.080	228	852715	44.700	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	467356	49.664	ng		99
85) Di-n-octyl phthalate	14.645	149	808706	47.248	ng		97
87) Indeno(1,2,3-cd)pyrene	17.033	276	1080680	48.330	ng		98
88) Benzo(b)fluoranthene	15.098	252	950470	44.891	ng		100
89) Benzo(k)fluoranthene	15.127	252	757041	41.459	ng		100
90) Benzo(a)pyrene	15.469	252	832975	47.813	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	885004	47.444	ng		99
92) Benzo(g,h,i)perylene	17.486	276	809408	43.441	ng		99

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

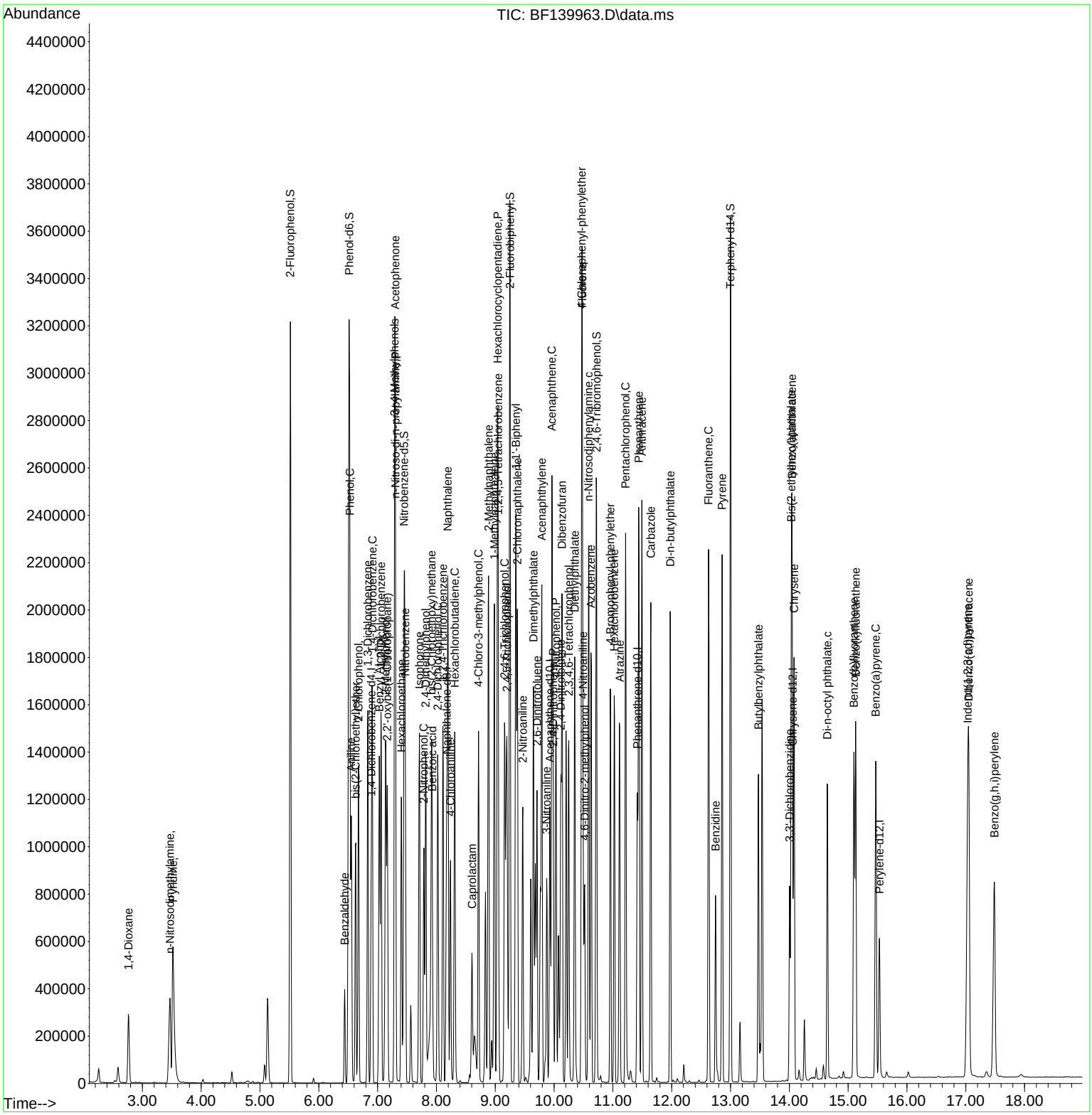
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Data File : BF139963.D
Acq On : 23 Oct 2024 14:33
Operator : RC/JU
Sample : PB164286BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

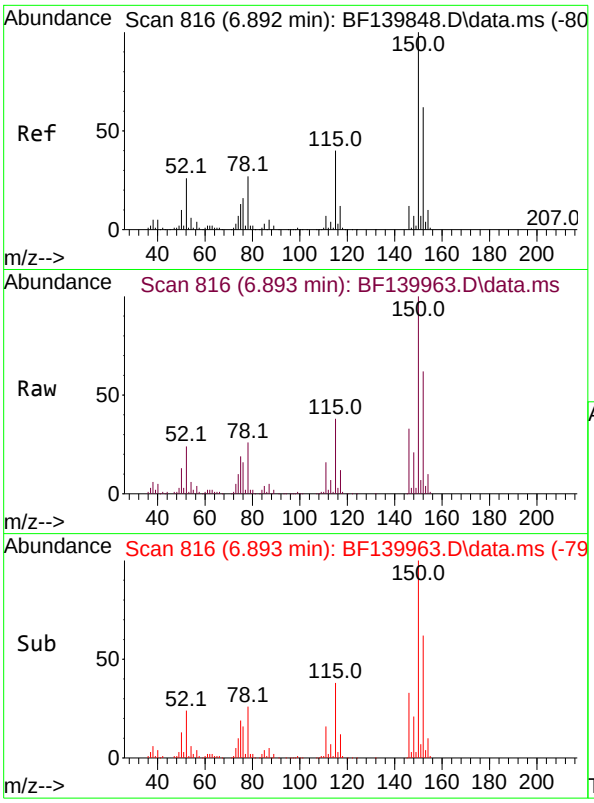
Quant Time: Oct 23 15:04:43 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
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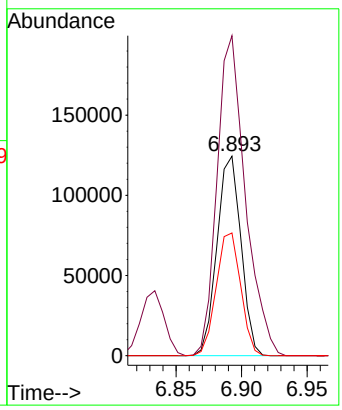




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:152 Resp: 15859

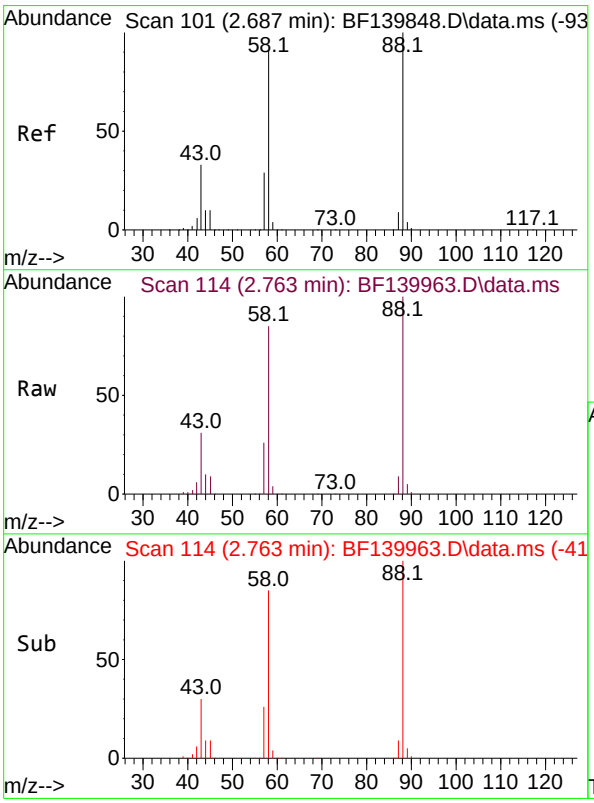
Ion	Ratio	Lower	Upper
152	100		
150	160.4	130.2	195.2
115	61.5	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

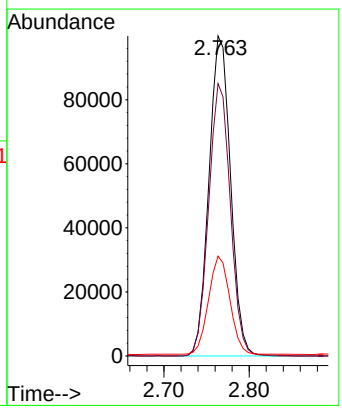
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

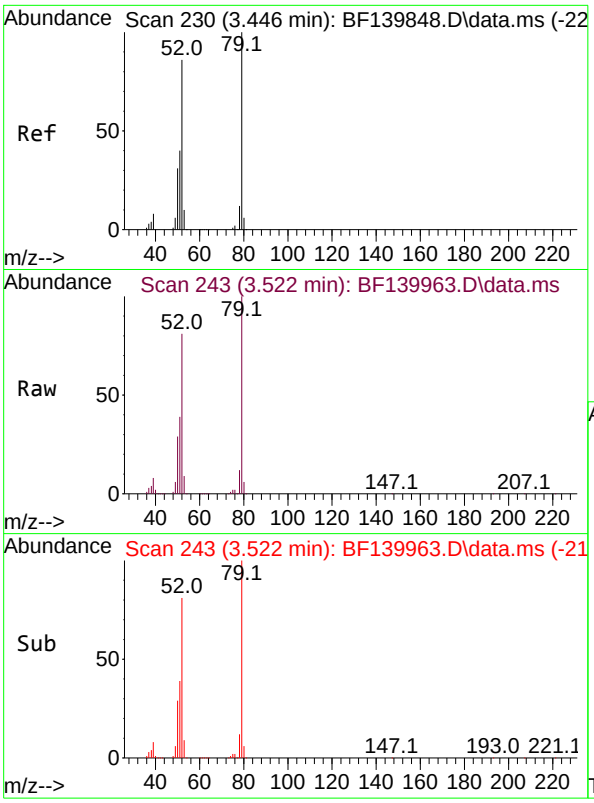


#2
1,4-Dioxane
Concen: 37.203 ng
RT: 2.763 min Scan# 114
Delta R.T. 0.077 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 88 Resp: 175724

Ion	Ratio	Lower	Upper
88	100		
58	85.7	73.3	109.9
43	30.3	27.1	40.7

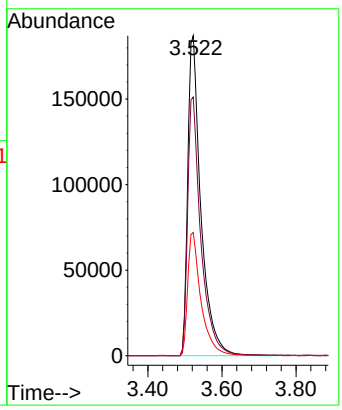




#3
Pyridine
Concen: 39.504 ng
RT: 3.522 min Scan# 24
Delta R.T. 0.077 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 79 Resp: 46249

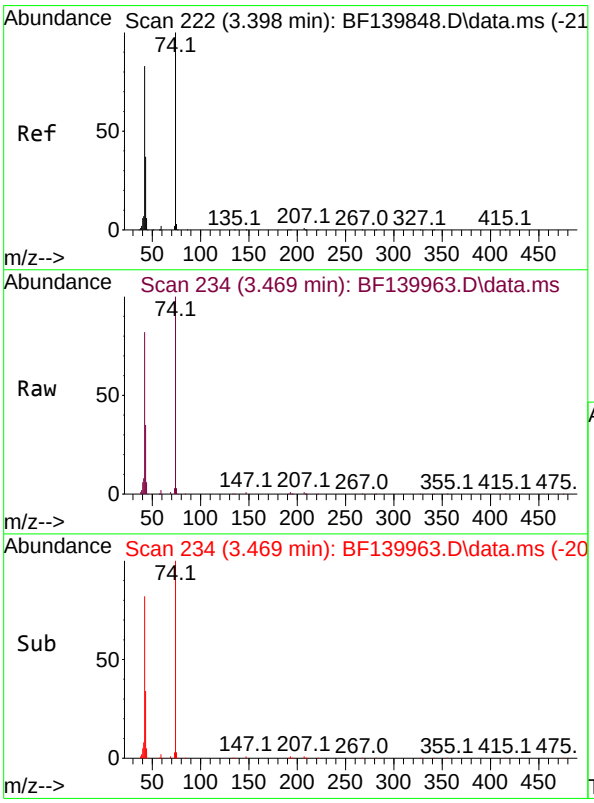
Ion	Ratio	Lower	Upper
79	100		
52	80.9	68.5	102.7
51	38.5	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

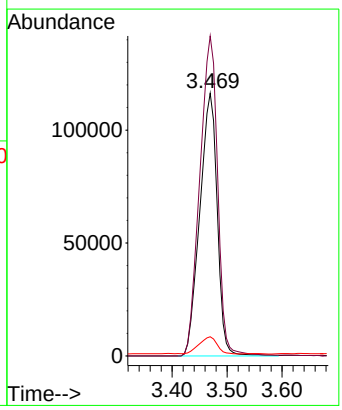
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

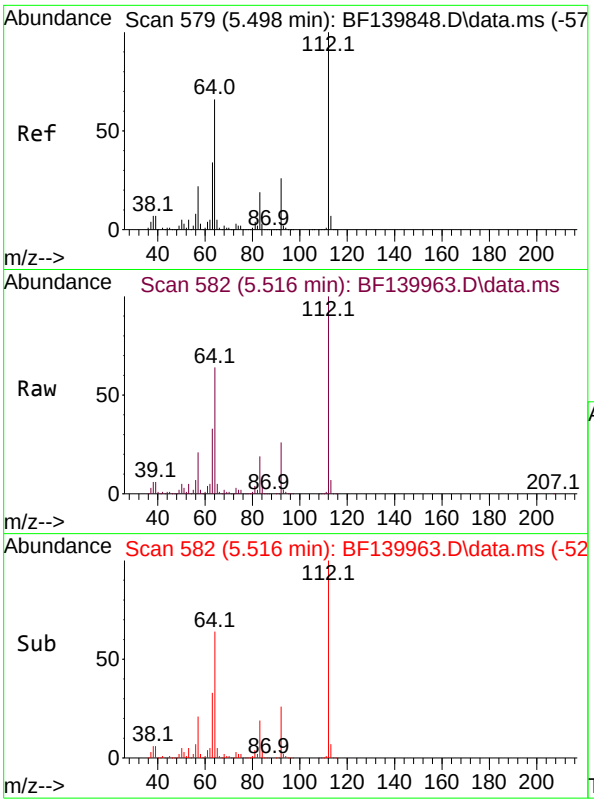


#4
n-Nitrosodimethylamine
Concen: 40.786 ng
RT: 3.469 min Scan# 234
Delta R.T. 0.071 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 42 Resp: 256555

Ion	Ratio	Lower	Upper
42	100		
74	121.8	96.2	144.4
44	7.3	6.2	9.2

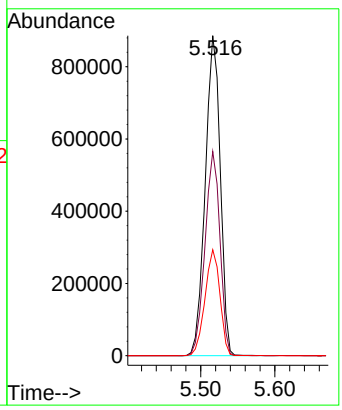




#5
2-Fluorophenol
Concen: 123.258 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:112 Resp: 124867

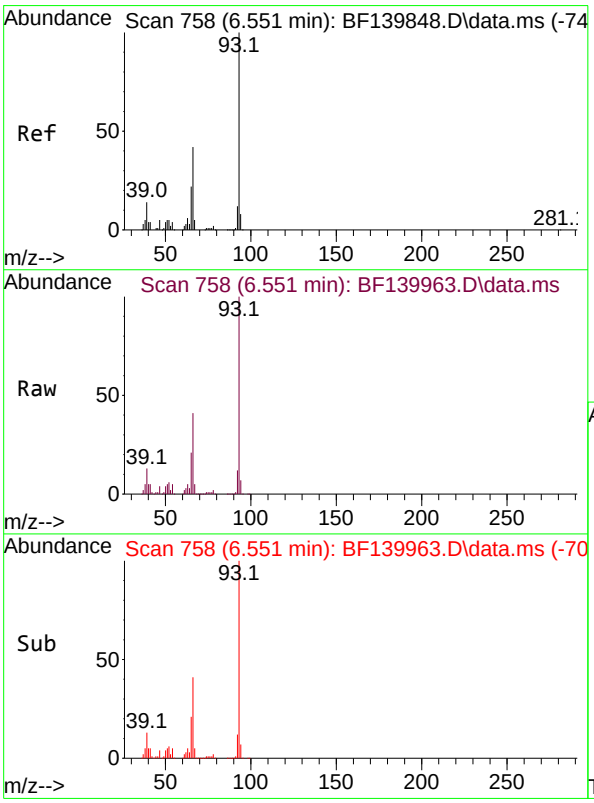
Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.0	79.6
63	33.1	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

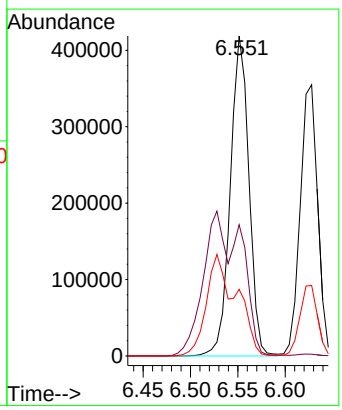
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

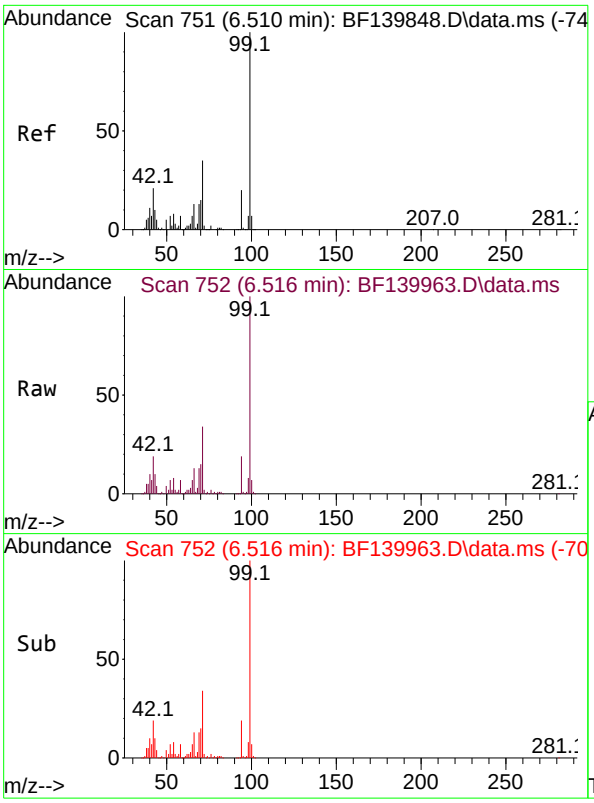


#6
Aniline
Concen: 46.803 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 93 Resp: 572321

Ion	Ratio	Lower	Upper
93	100		
66	41.0	34.0	51.0
65	20.8	17.4	26.0





#7
Phenol-d6
Concen: 120.026 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

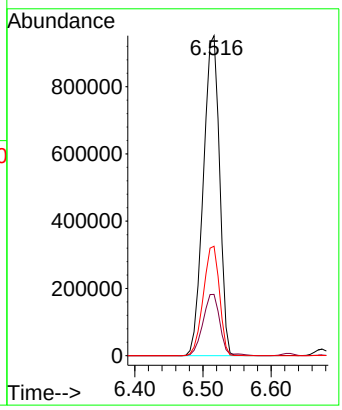
Tgt Ion: 99 Resp: 157482

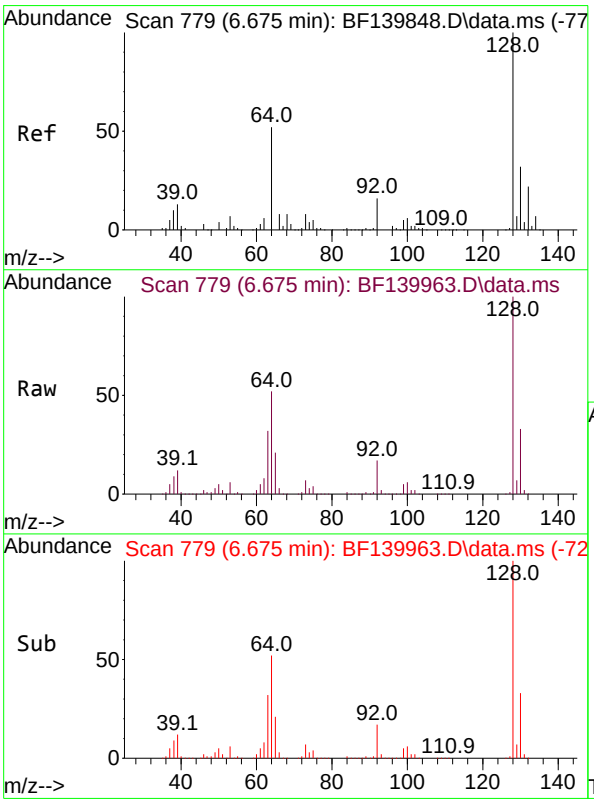
Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.7	25.1
71	34.2	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

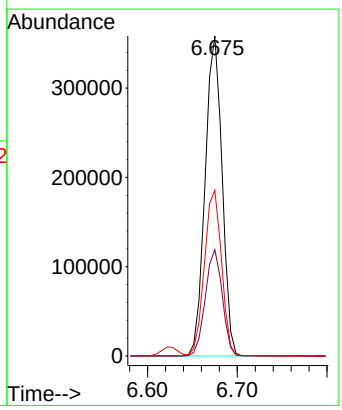


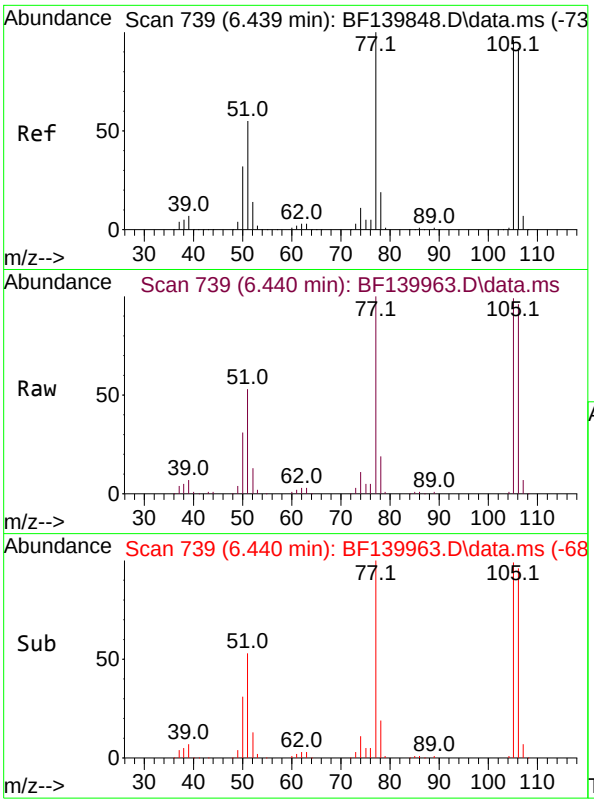


#8
2-Chlorophenol
Concen: 45.476 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:128 Resp: 470973

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.3	52.3
64	51.7	34.6	74.6

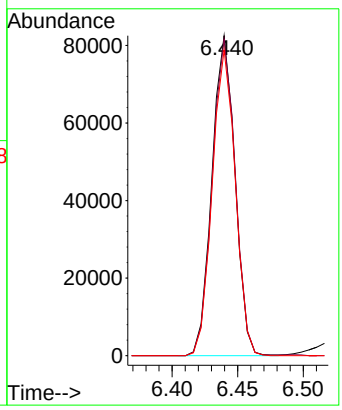




#9
Benzaldehyde
Concen: 13.650 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 77 Resp: 10075

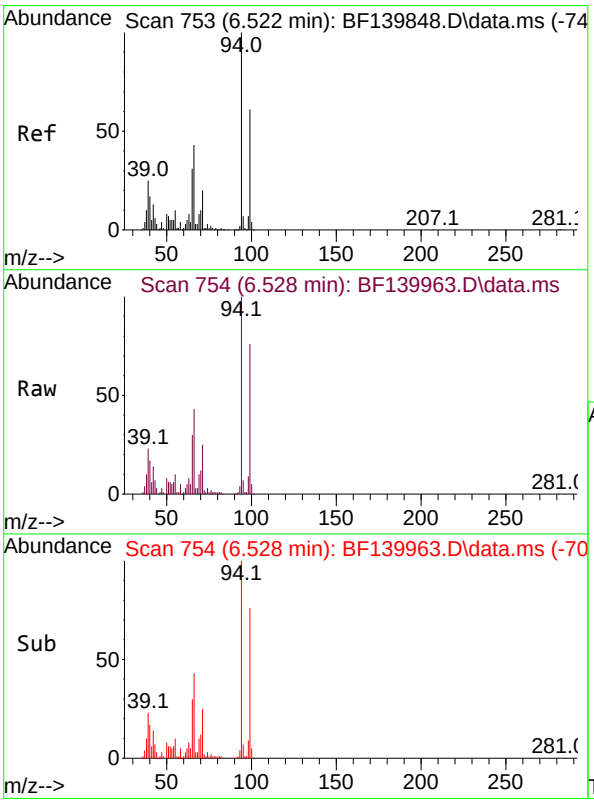
Ion	Ratio	Lower	Upper
77	100		
105	98.8	75.5	115.5
106	95.6	71.7	111.7



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

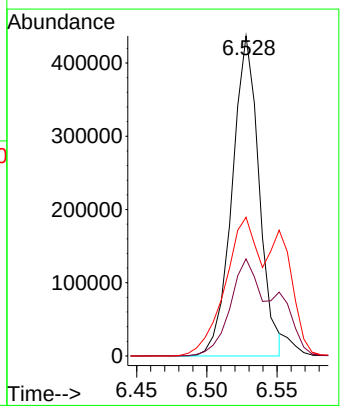
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

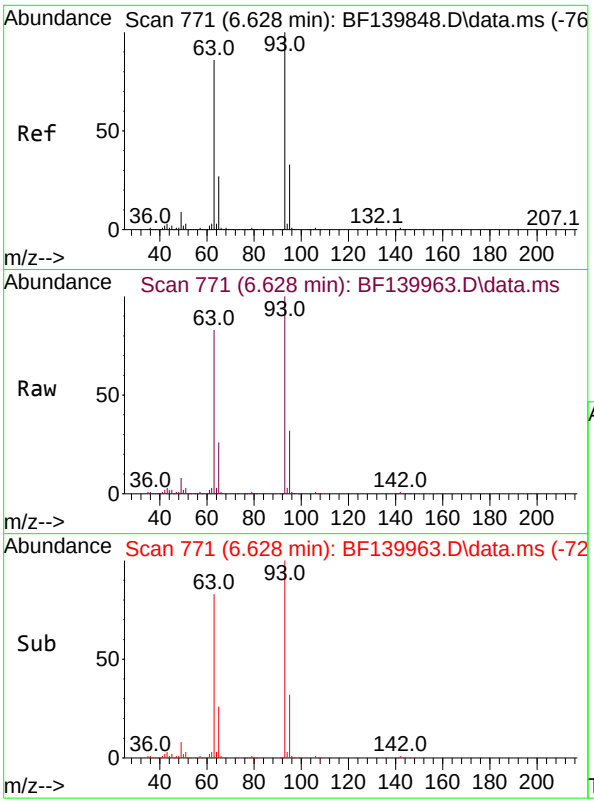


#10
Phenol
Concen: 43.180 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 94 Resp: 584091

Ion	Ratio	Lower	Upper
94	100		
65	30.4	11.1	51.1
66	43.4	22.7	62.7





#11
bis(2-Chloroethyl)ether
Concen: 43.025 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

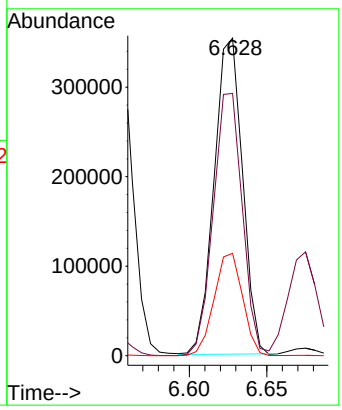
Tgt Ion: 93 Resp: 44983

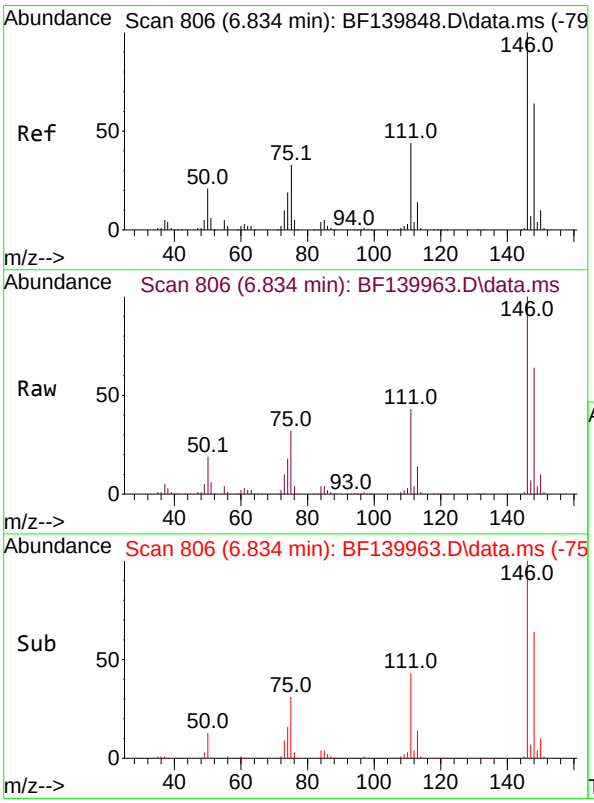
Ion	Ratio	Lower	Upper
93	100		
63	82.5	65.0	105.0
95	32.2	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

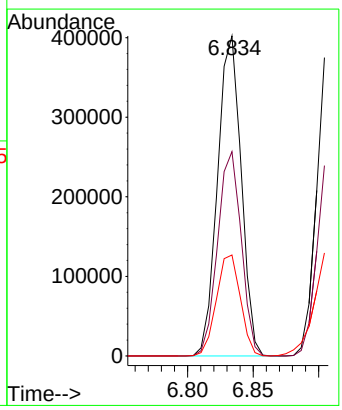


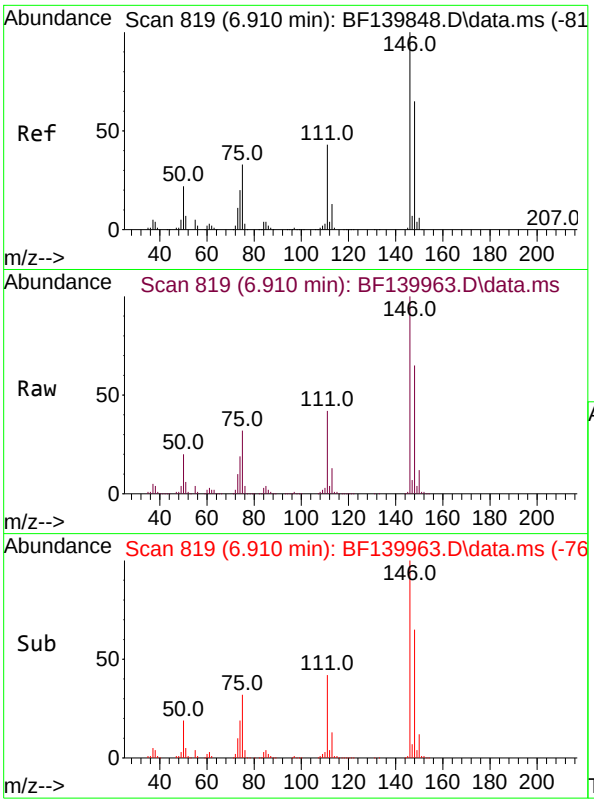


#12
1,3-Dichlorobenzene
Concen: 42.360 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:146 Resp: 503588

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	31.5	26.4	39.6





#13
1,4-Dichlorobenzene
Concen: 43.104 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

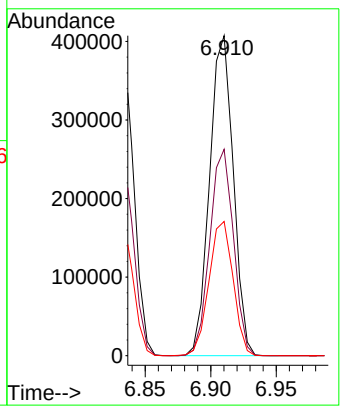
Tgt Ion:146 Resp: 51195

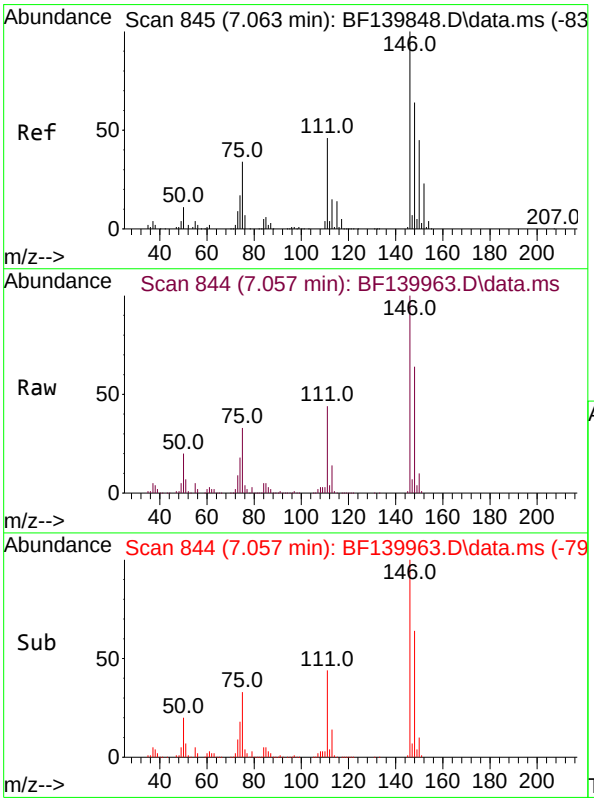
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.8
111	41.9	34.6	51.8

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

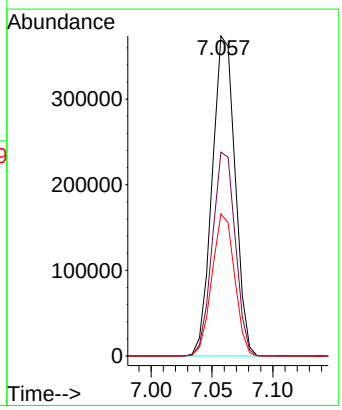


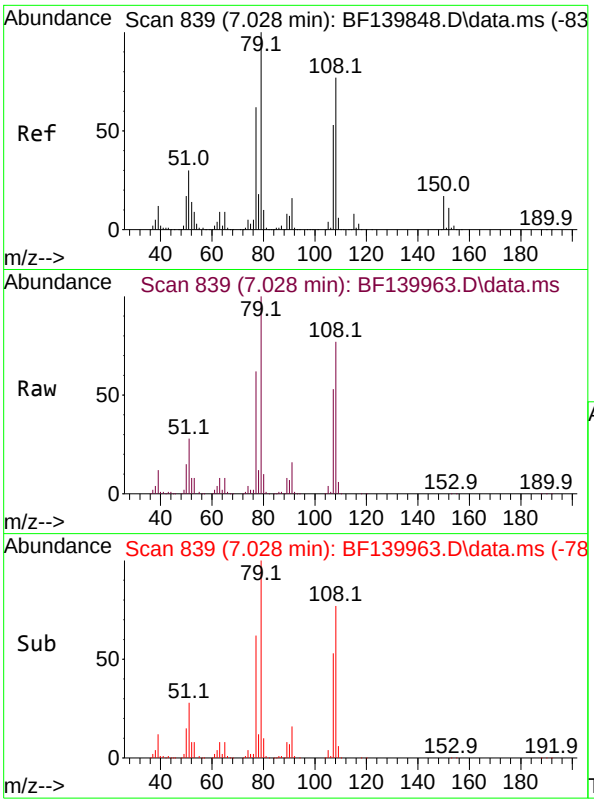


#14
1,2-Dichlorobenzene
Concen: 44.196 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:146 Resp: 489916

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	44.4	36.7	55.1





#15
Benzyl Alcohol
Concen: 44.525 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

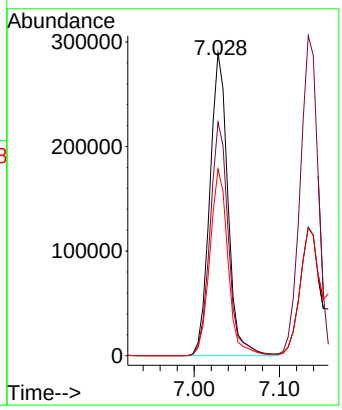
Tgt Ion: 79 Resp: 42853

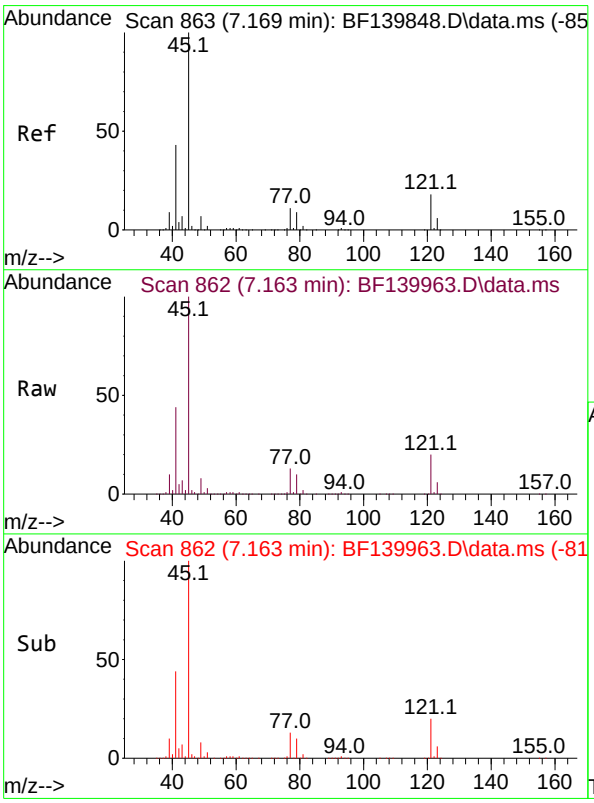
Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.4	92.0
77	61.6	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

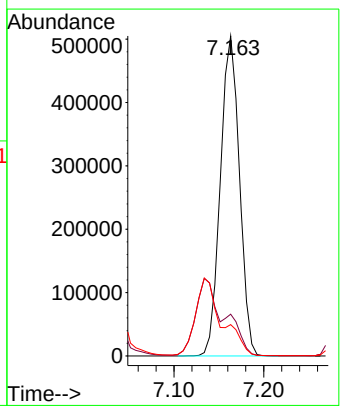


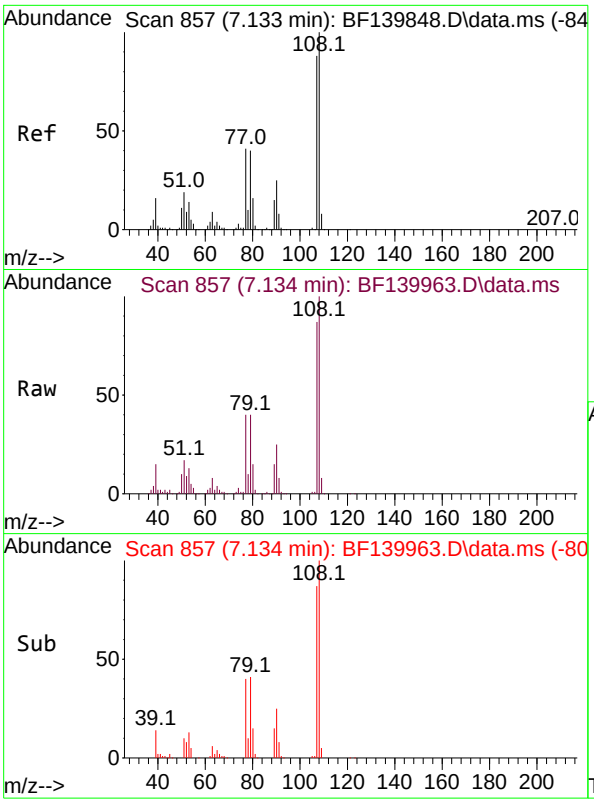


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.800 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 45 Resp: 745202

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	31.5
79	9.8	0.0	29.1

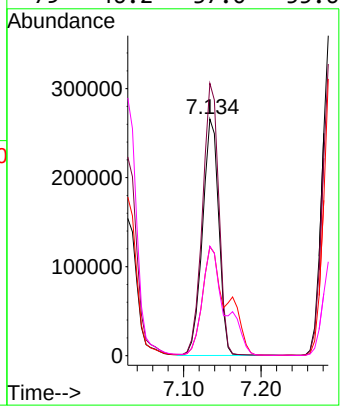




#17
2-Methylphenol
Concen: 43.927 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:107 Resp: 38792

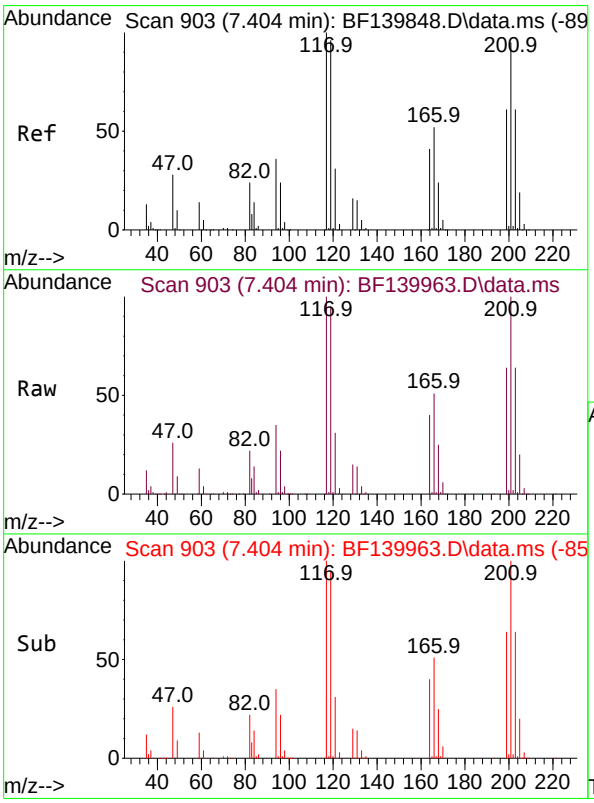
Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.3	136.9
77	46.1	37.1	55.7
79	46.2	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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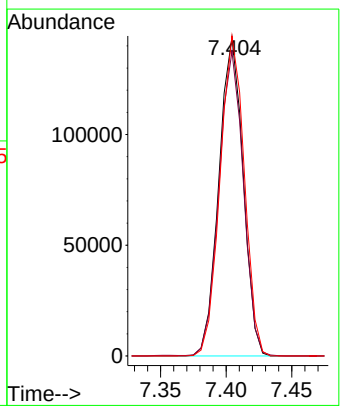
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

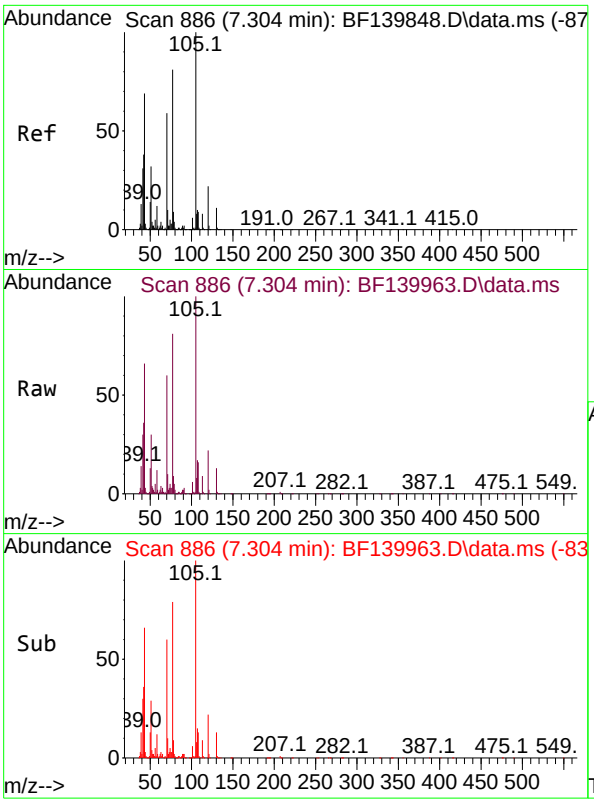


#18
Hexachloroethane
Concen: 43.515 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:117 Resp: 184304

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	100.4	76.2	114.4

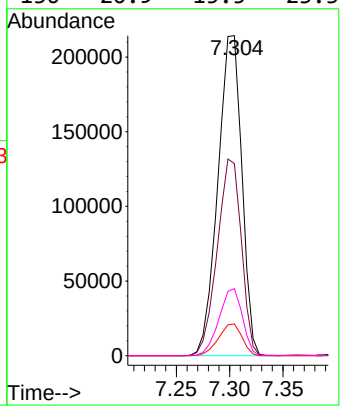




#19
n-Nitroso-di-n-propylamine
Concen: 42.176 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 70 Resp: 33562

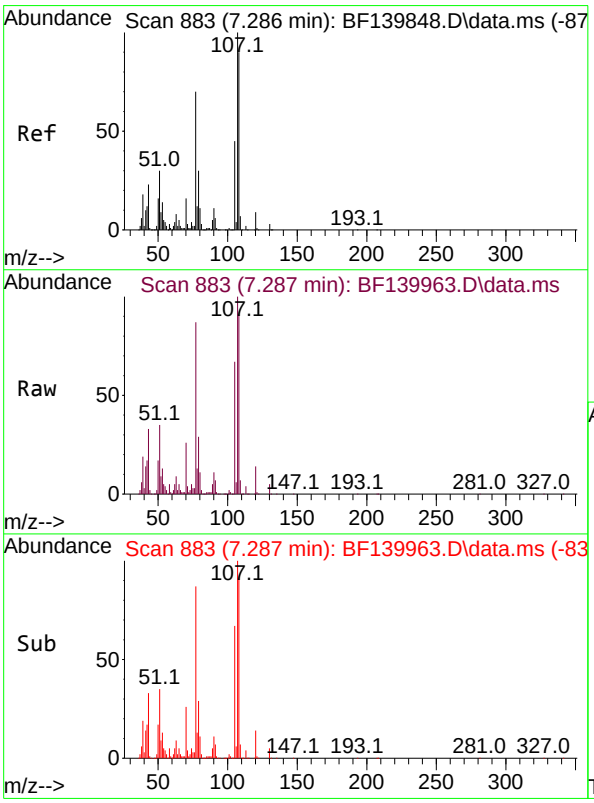
Ion	Ratio	Lower	Upper
70	100		
42	60.1	51.5	77.3
101	9.9	7.5	11.3
130	20.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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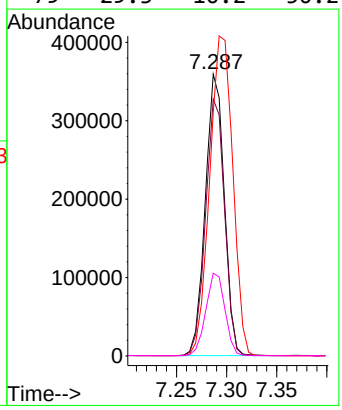
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

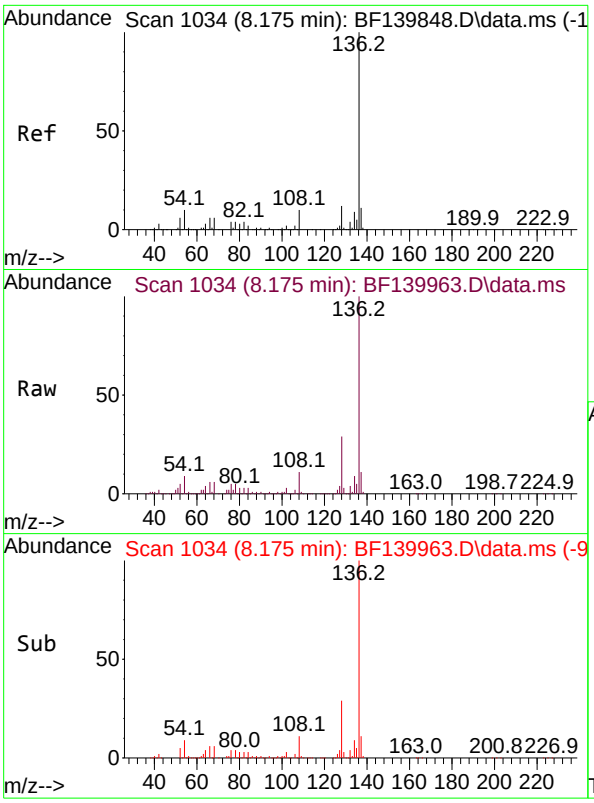


#20
3+4-Methylphenols
Concen: 42.012 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:107 Resp: 474544

Ion	Ratio	Lower	Upper
107	100		
108	91.2	69.8	109.8
77	86.5	50.5	90.5
79	29.3	10.2	50.2

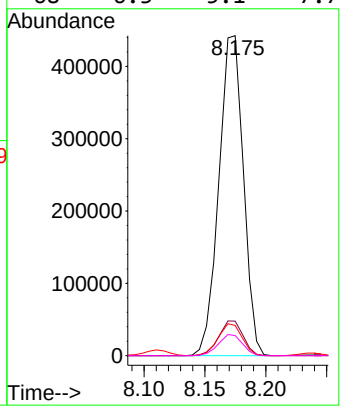




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:136 Resp: 62087

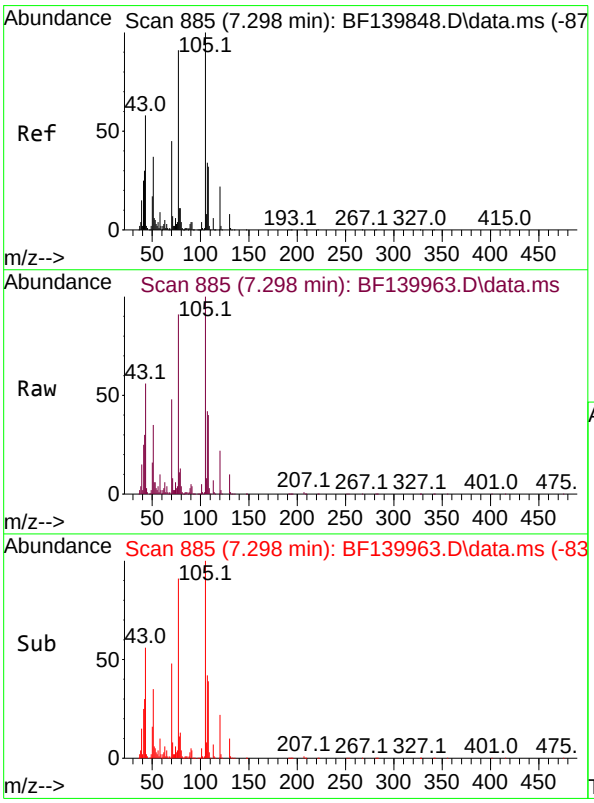
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.5	8.4	12.6
68	6.3	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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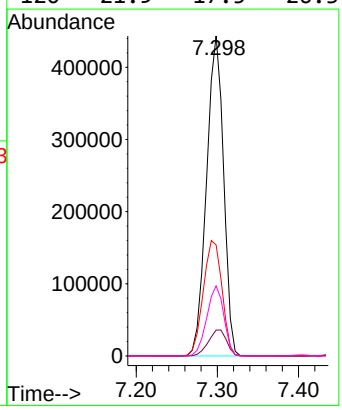
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

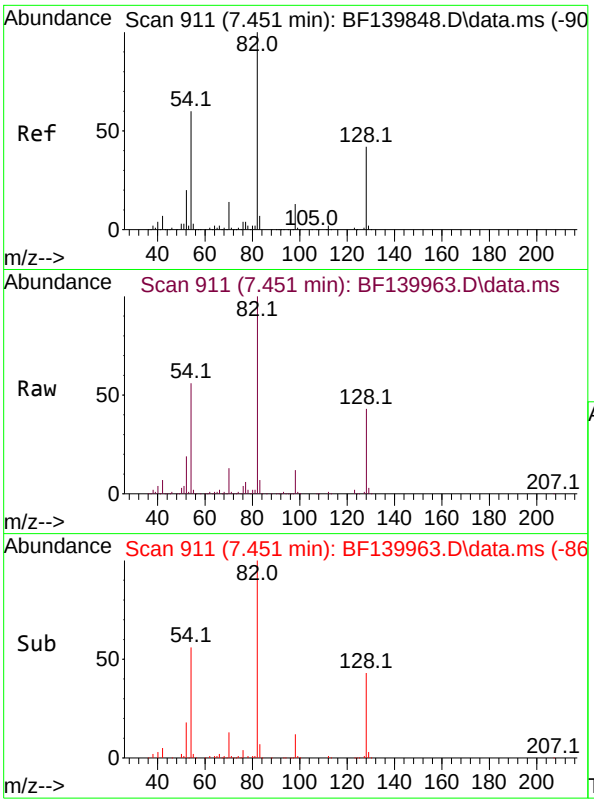


#22
Acetophenone
Concen: 42.400 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:105 Resp: 644789

Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.9	8.9
51	34.7	29.4	44.2
120	21.9	17.5	26.3





#23
Nitrobenzene-d5
Concen: 91.814 ng
RT: 7.451 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

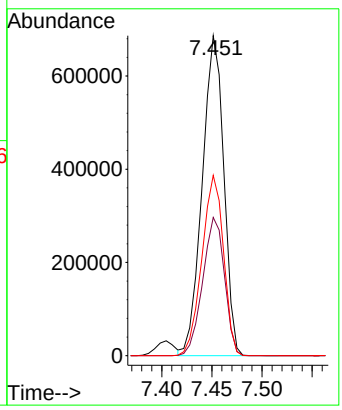
Tgt Ion: 82 Resp: 102852

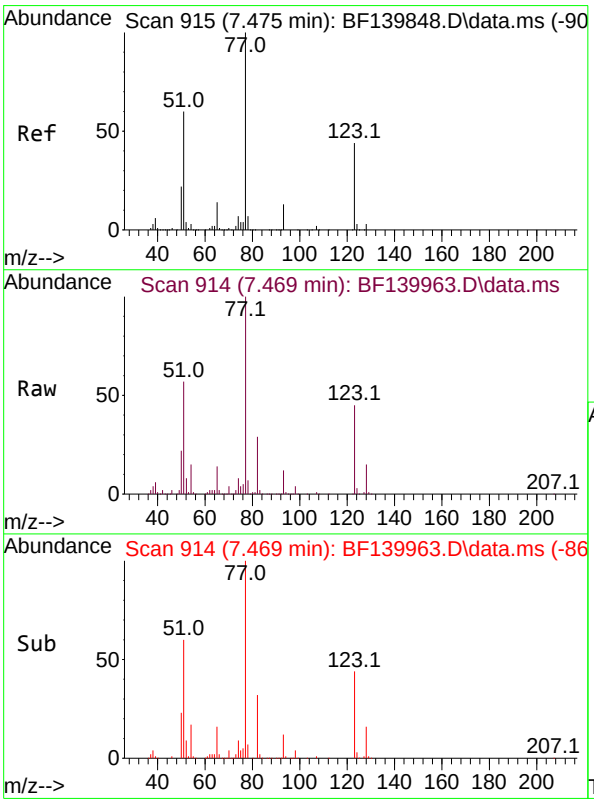
Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.4	50.0
54	56.4	47.8	71.8

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

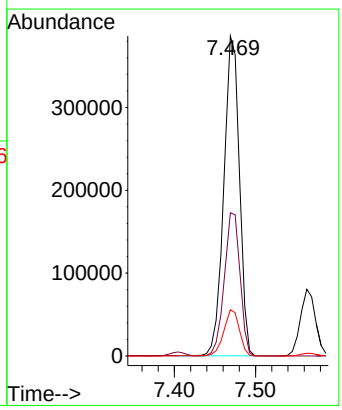


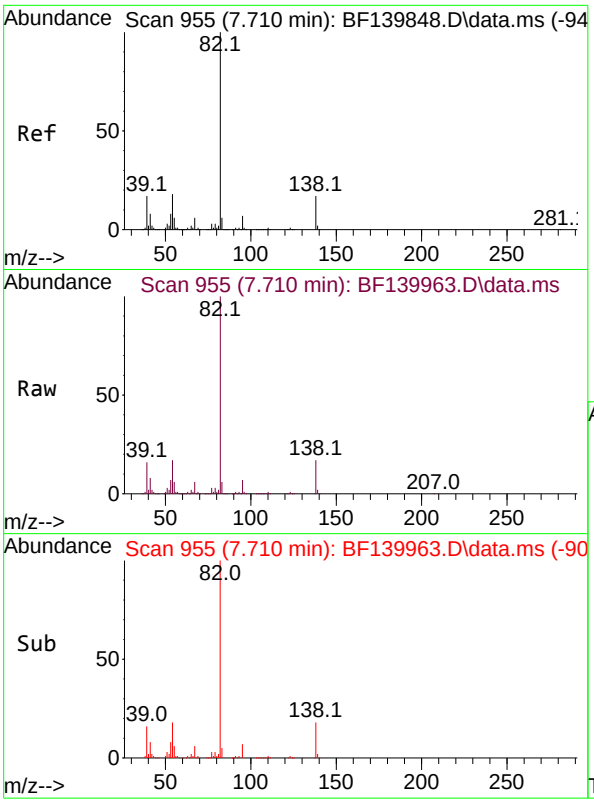


#24
Nitrobenzene
Concen: 42.103 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 77 Resp: 517121

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.7	53.5
65	14.4	11.5	17.3





#25
Isophorone
Concen: 43.671 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

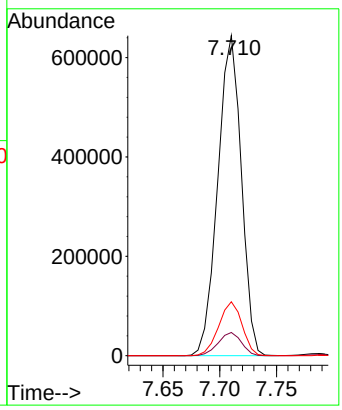
Tgt Ion: 82 Resp: 92852

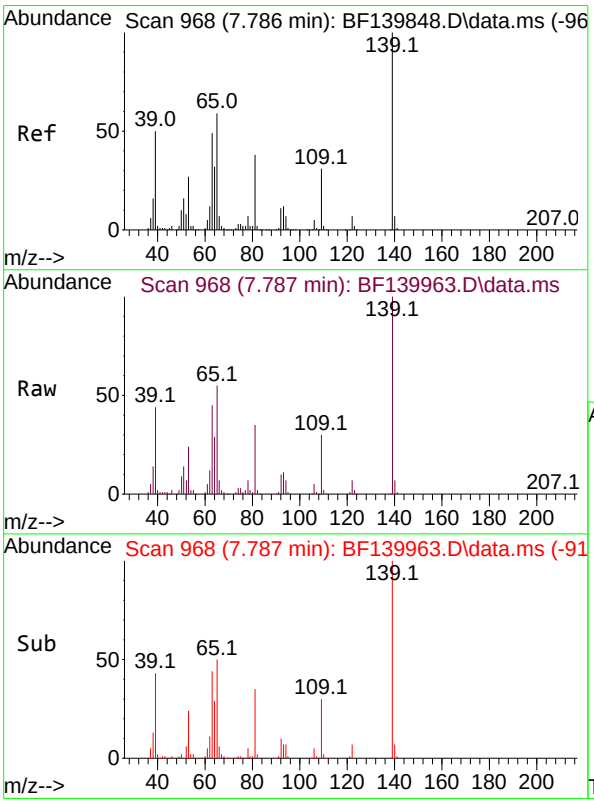
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	16.9	13.2	19.8

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

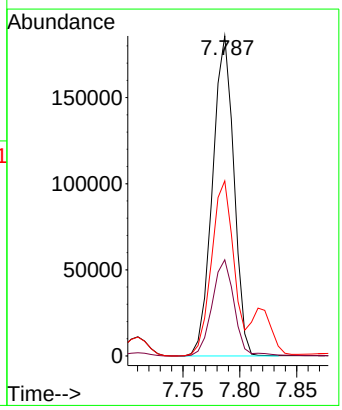


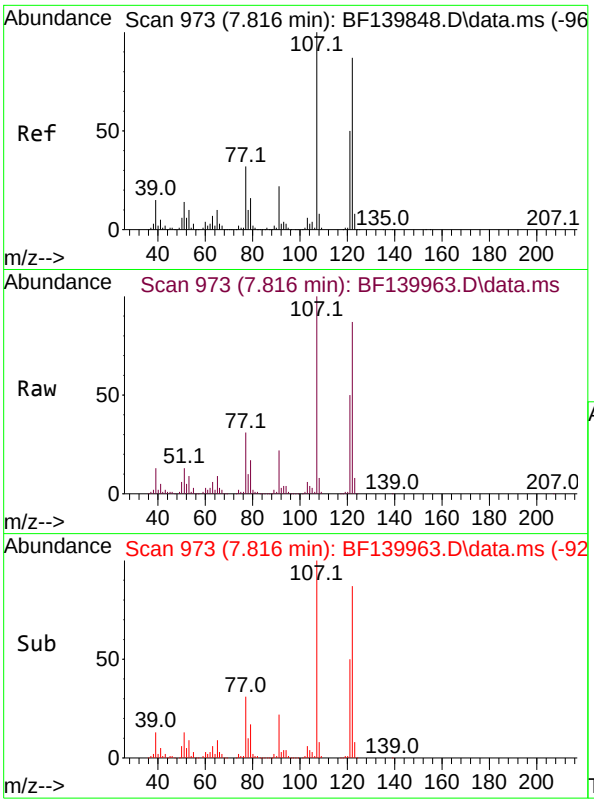


#26
2-Nitrophenol
Concen: 52.464 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:139 Resp: 243091

Ion	Ratio	Lower	Upper
139	100		
109	30.0	25.1	37.7
65	54.7	47.5	71.3

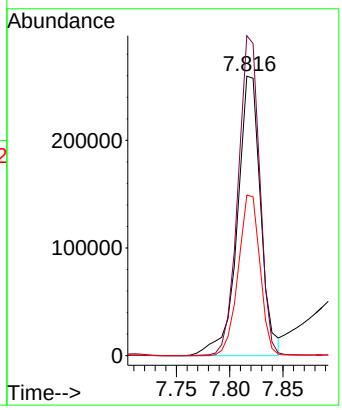




#27
2,4-Dimethylphenol
Concen: 51.225 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:122 Resp: 39577

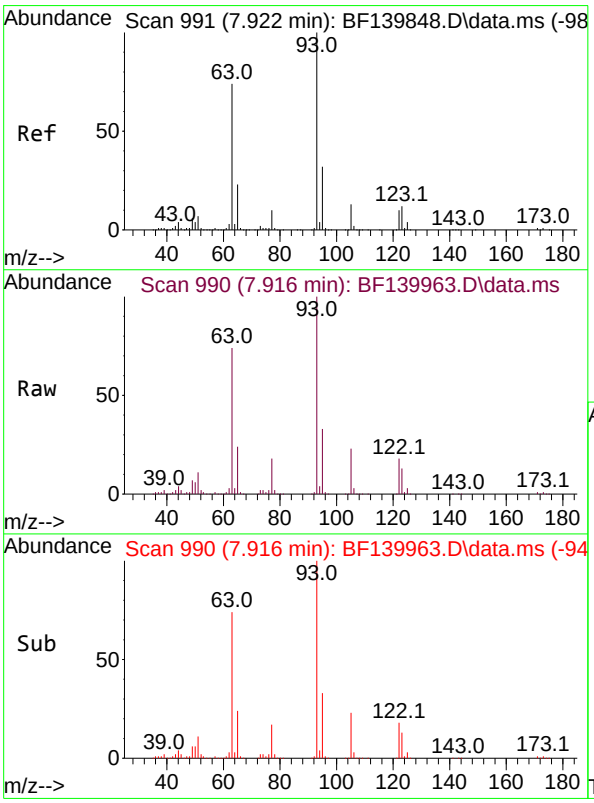
Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.9	137.9
121	57.5	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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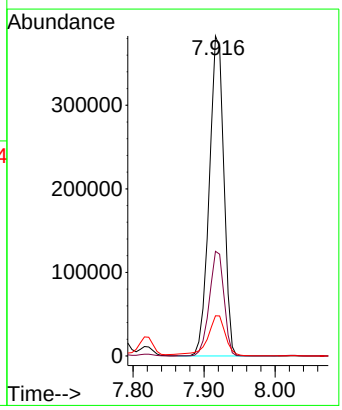
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

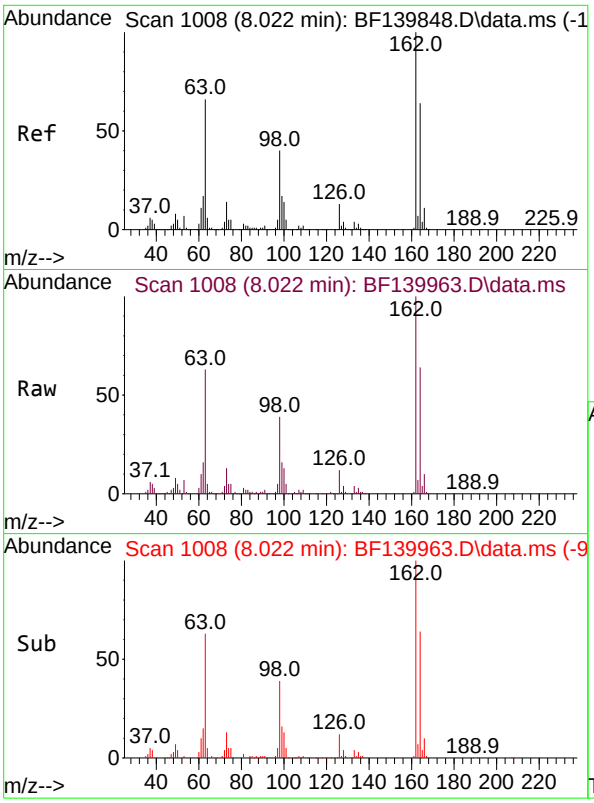


#28
bis(2-Chloroethoxy)methane
Concen: 42.491 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 93 Resp: 547368

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.6	9.8	14.8

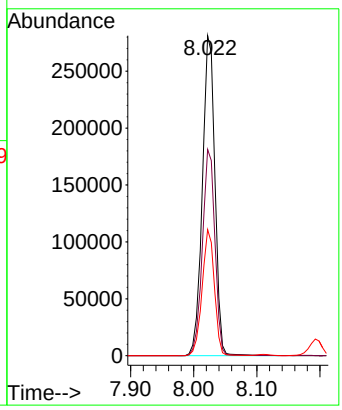




#29
2,4-Dichlorophenol
Concen: 44.178 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:162 Resp: 38877

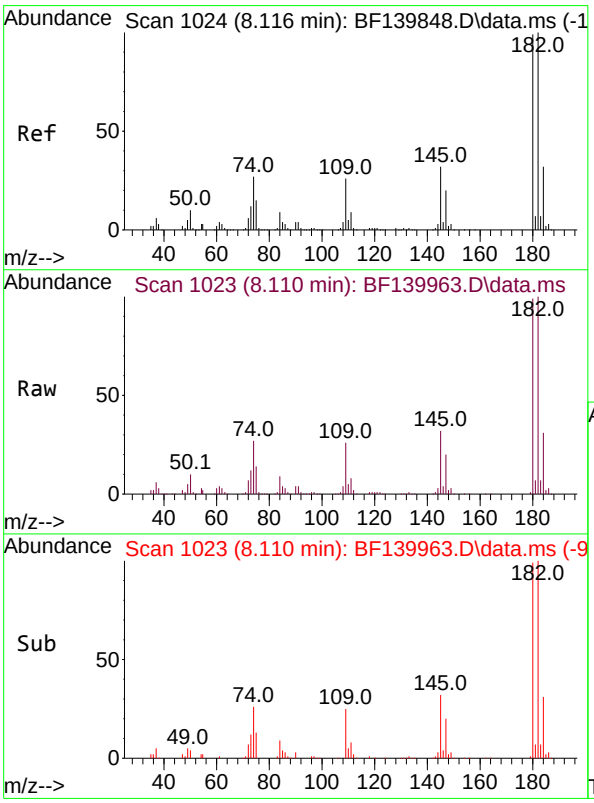
Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.9	83.9
98	39.4	19.9	59.9



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

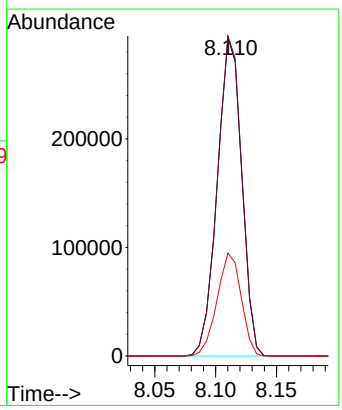
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

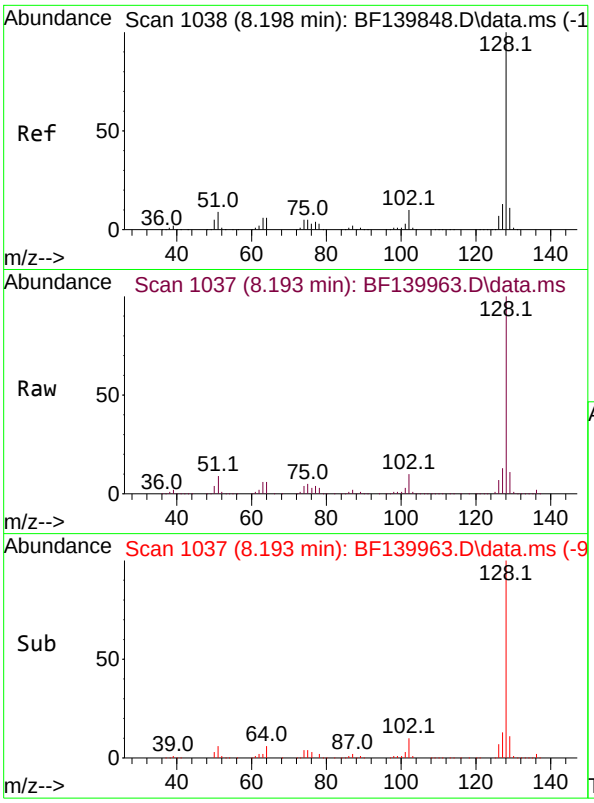


#30
1,2,4-Trichlorobenzene
Concen: 41.971 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:180 Resp: 408692

Ion	Ratio	Lower	Upper
180	100		
182	100.5	80.5	120.7
145	32.3	25.4	38.0

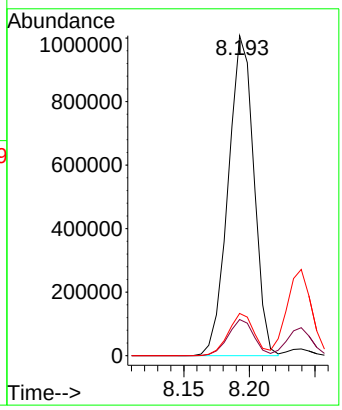




#31
Naphthalene
Concen: 42.824 ng
RT: 8.193 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:128 Resp: 137125

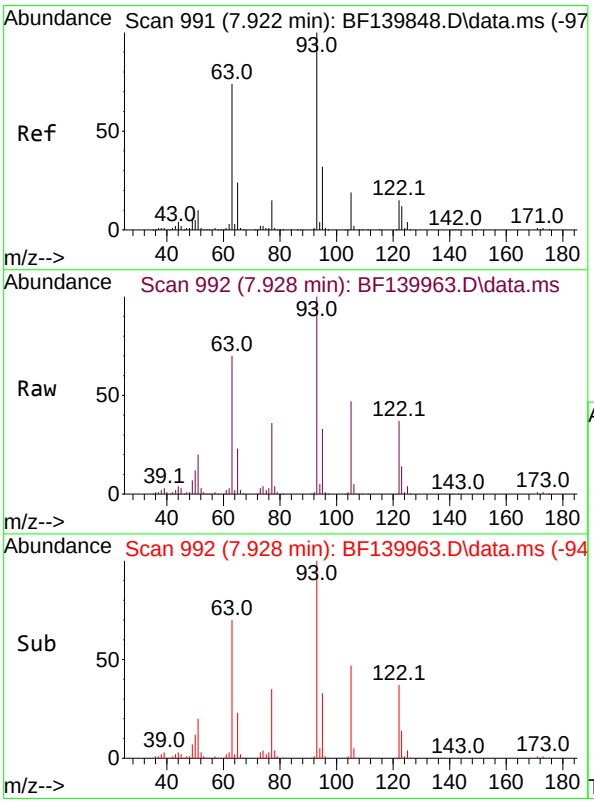
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

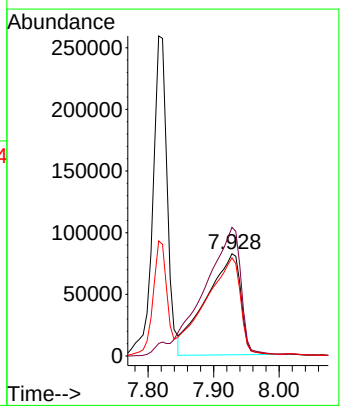
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

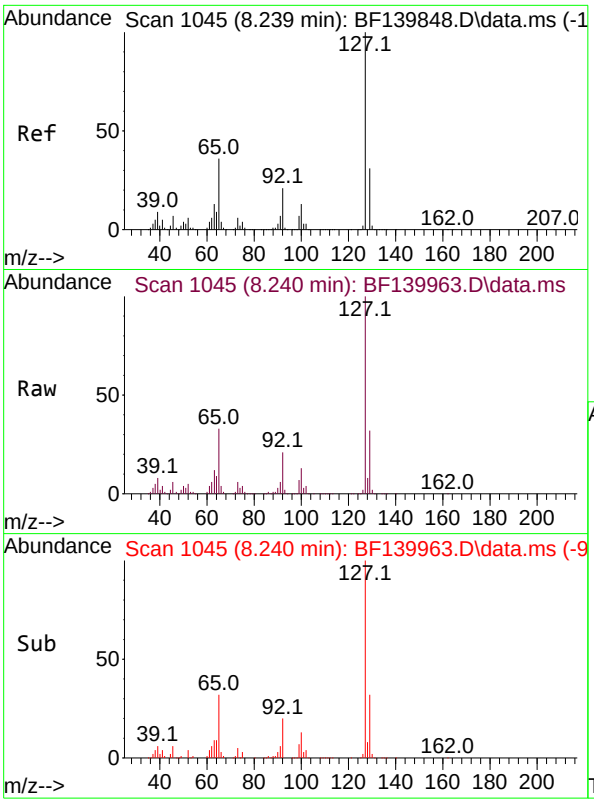


#32
Benzoic acid
Concen: 45.032 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:122 Resp: 303453

Ion	Ratio	Lower	Upper
122	100		
105	125.8	107.6	147.6
77	95.8	80.2	120.2

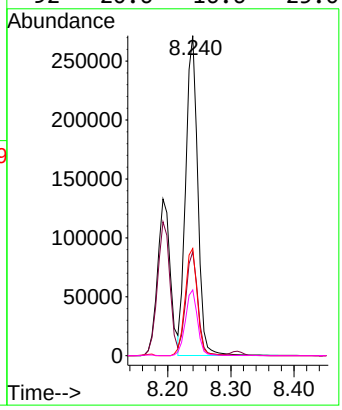




#33
4-Chloroaniline
Concen: 32.945 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:127 Resp: 35972

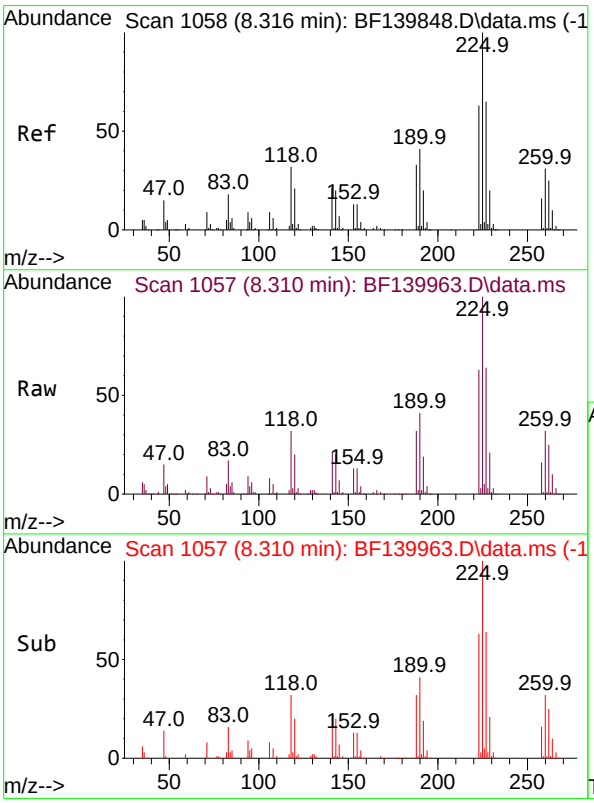
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	33.5	28.4	42.6
92	20.6	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

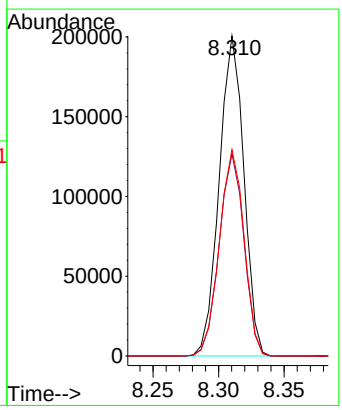
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

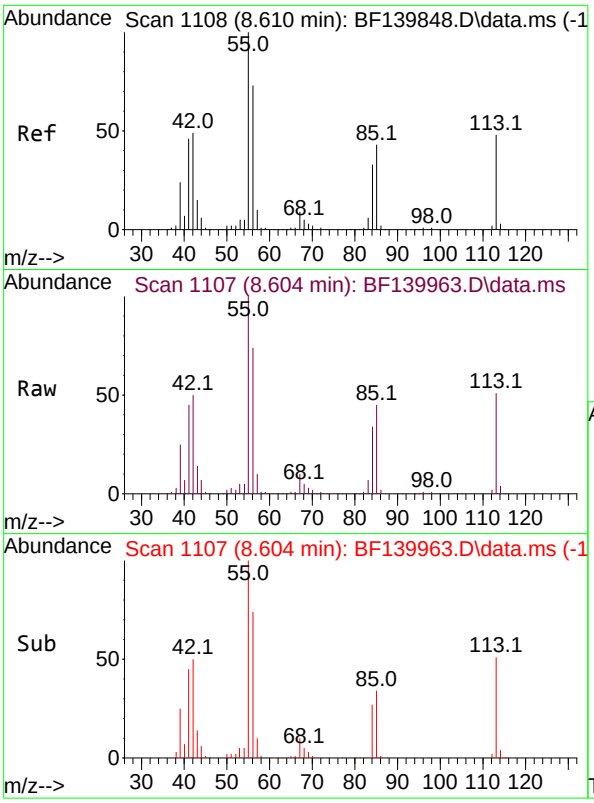


#34
Hexachlorobutadiene
Concen: 42.876 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:225 Resp: 262325

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	64.4	51.8	77.8

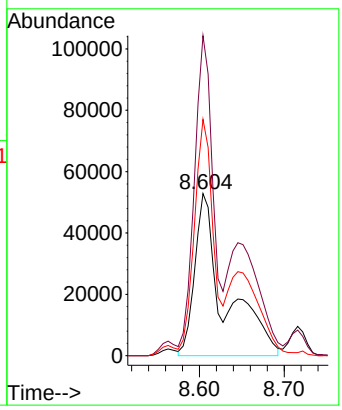




#35
Caprolactam
Concen: 46.123 ng m
RT: 8.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:113 Resp: 12906

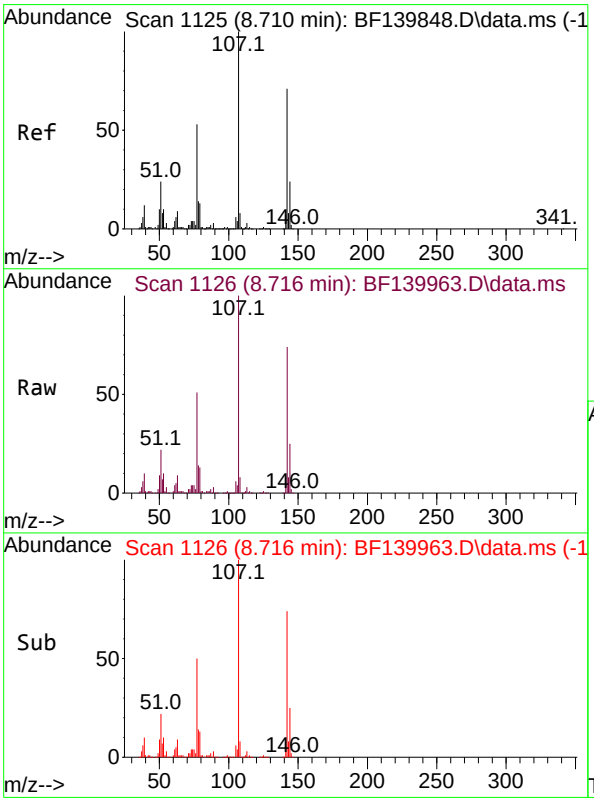
Ion	Ratio	Lower	Upper
113	100		
55	197.4	189.2	229.2
56	145.8	132.5	172.5



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

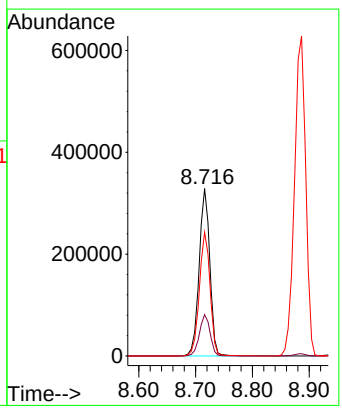
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

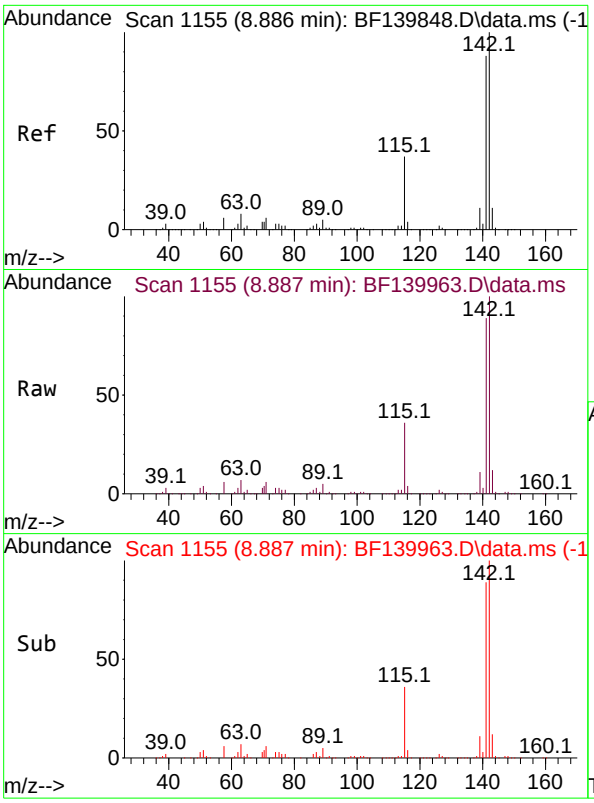


#36
4-Chloro-3-methylphenol
Concen: 44.218 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:107 Resp: 430883

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.1	28.7
142	73.8	57.2	85.8

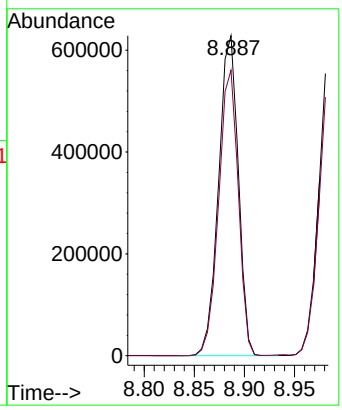




#37
2-Methylnaphthalene
Concen: 43.751 ng
RT: 8.887 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:142 Resp: 85799

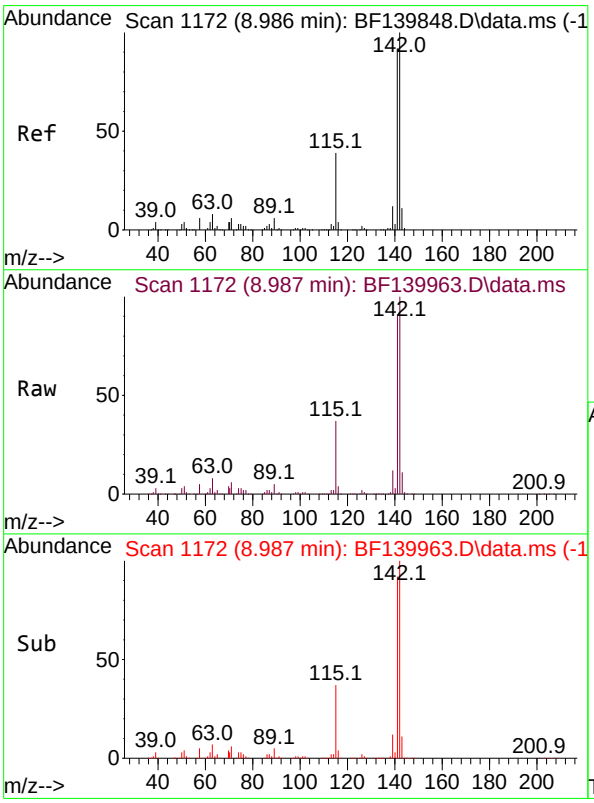
Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

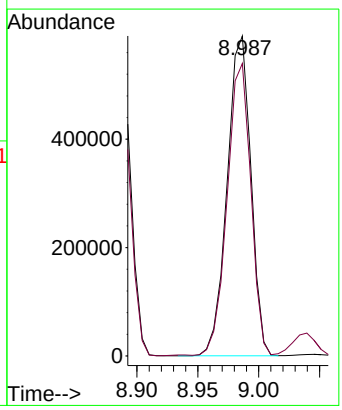
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

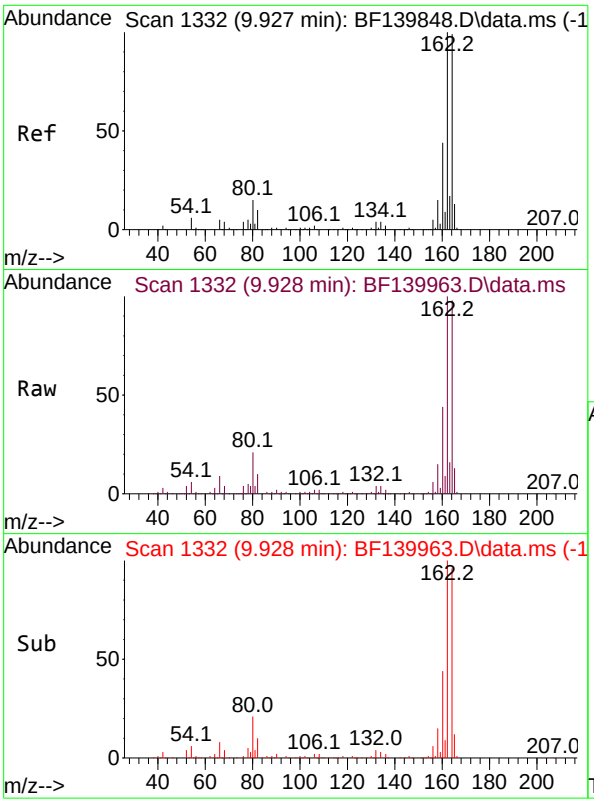


#38
1-Methylnaphthalene
Concen: 41.525 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:142 Resp: 798971

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.5	110.3

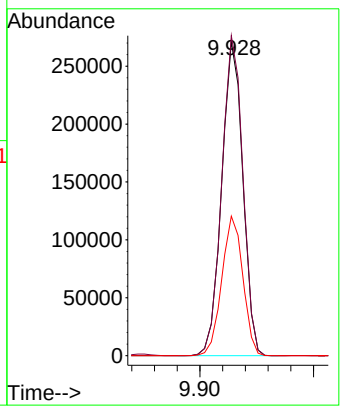




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:164 Resp: 35022

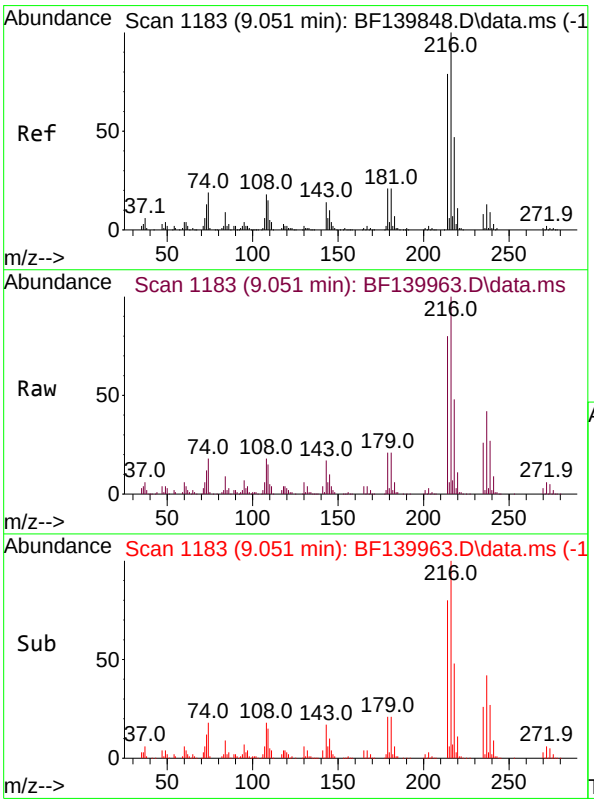
Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.0	121.4
160	44.5	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

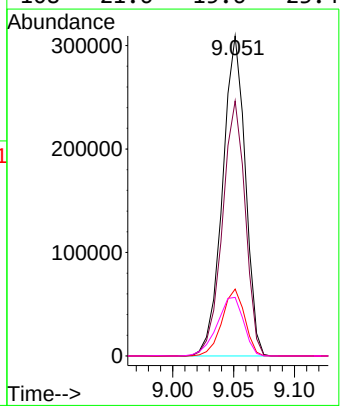
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

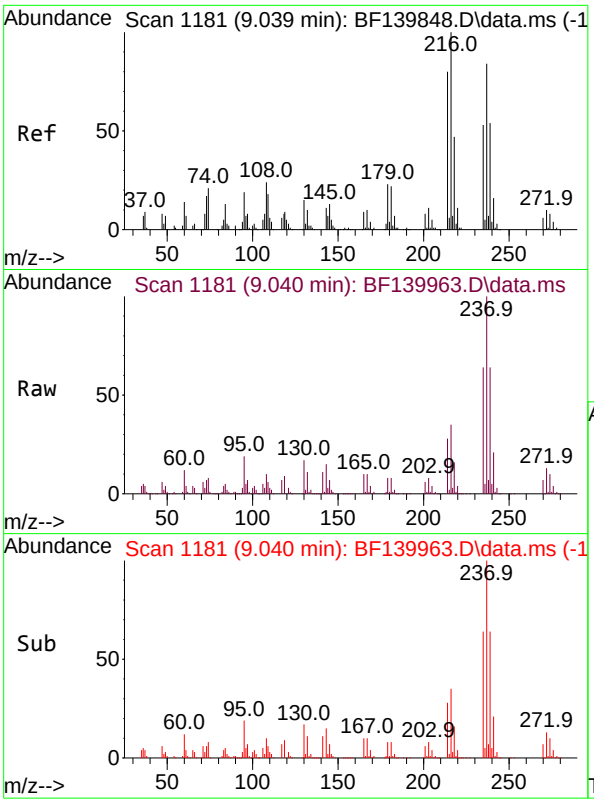


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.567 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:216 Resp: 402191

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.4	95.0
179	20.8	17.2	25.8
108	21.6	15.6	23.4

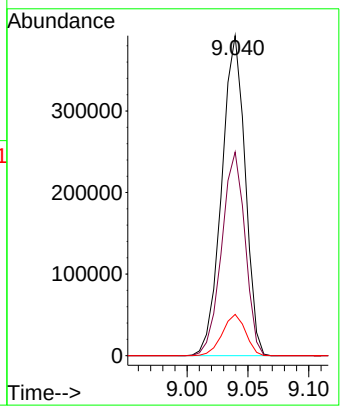




#41
Hexachlorocyclopentadiene
Concen: 159.761 ng
RT: 9.040 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:237 Resp: 52523

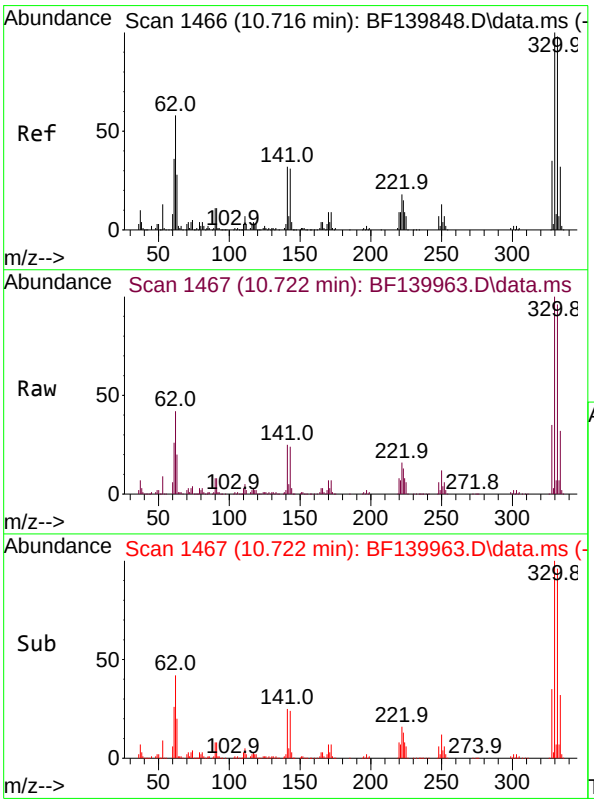
Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.9	82.9
272	12.9	0.0	32.3



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

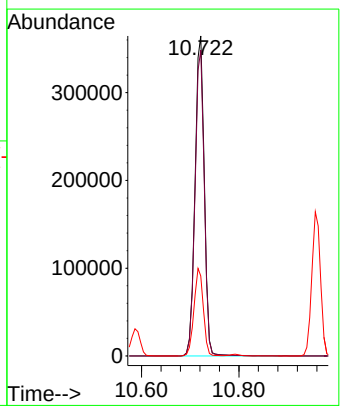
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

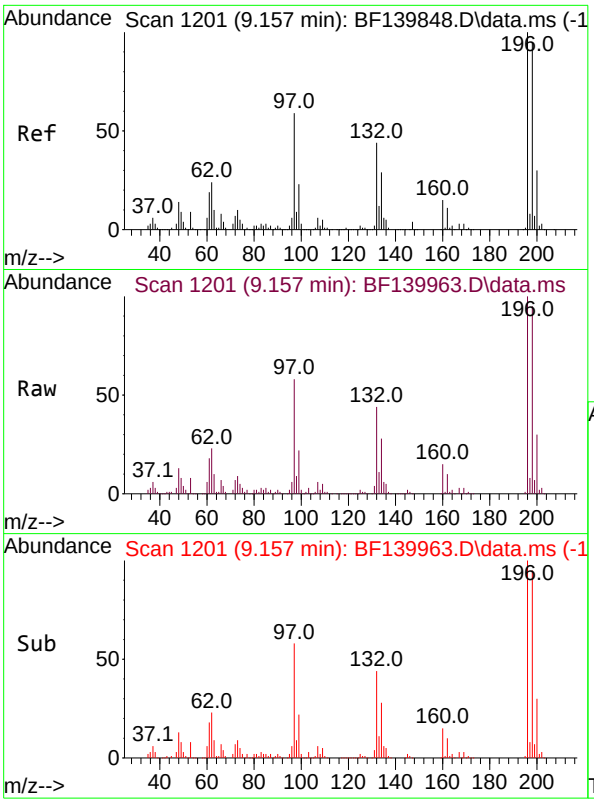


#42
2,4,6-Tribromophenol
Concen: 147.420 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:330 Resp: 482928

Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.1	117.1
141	27.6	26.6	39.8

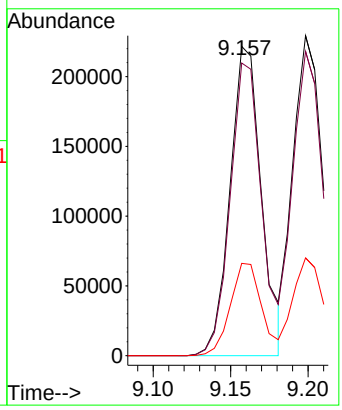




#43
2,4,6-Trichlorophenol
Concen: 46.578 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:196 Resp: 31158

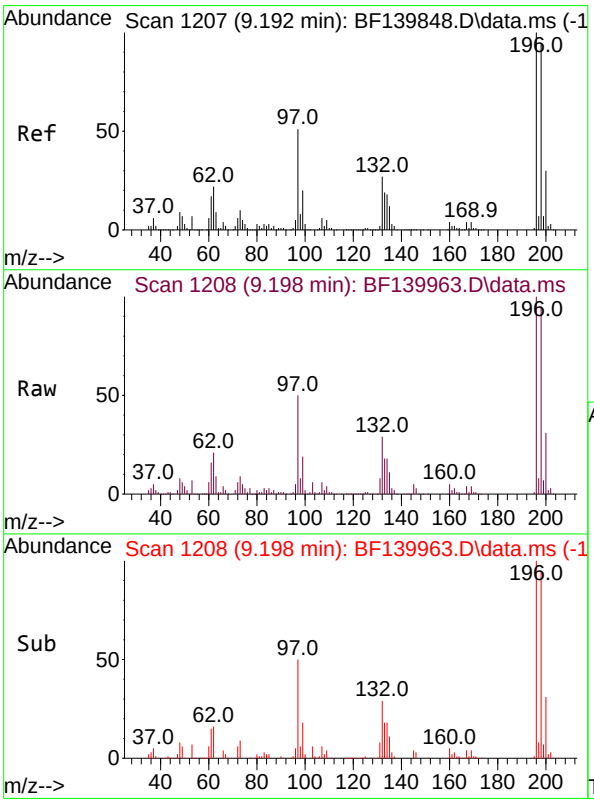
Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.2	114.2
200	29.9	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

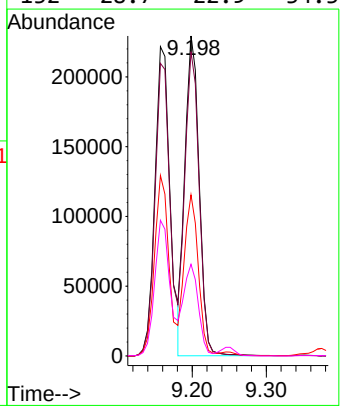
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

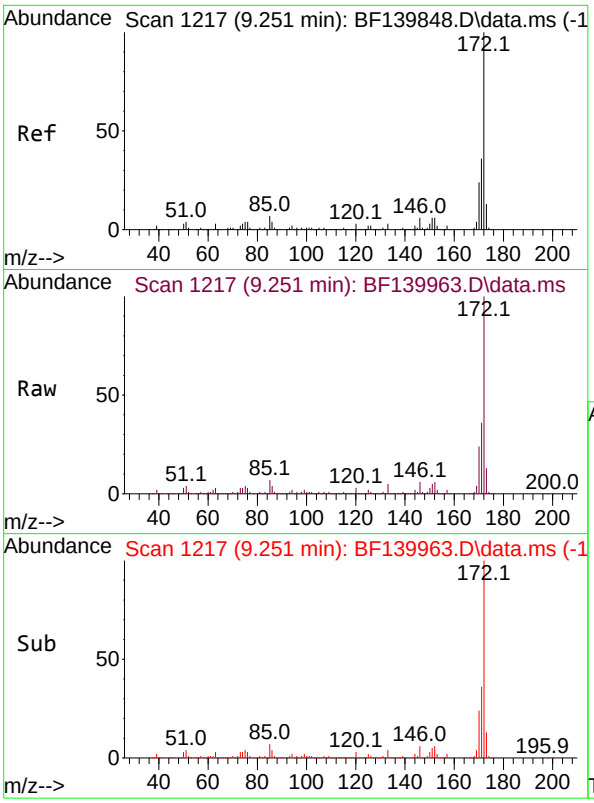


#44
2,4,5-Trichlorophenol
Concen: 44.687 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:196 Resp: 308415

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.8	113.6
97	50.4	41.8	62.6
132	28.7	22.9	34.3

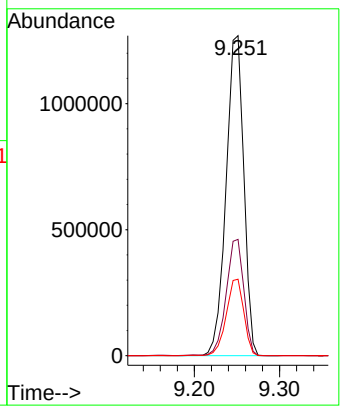




#45
2-Fluorobiphenyl
Concen: 86.525 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:172 Resp: 183353

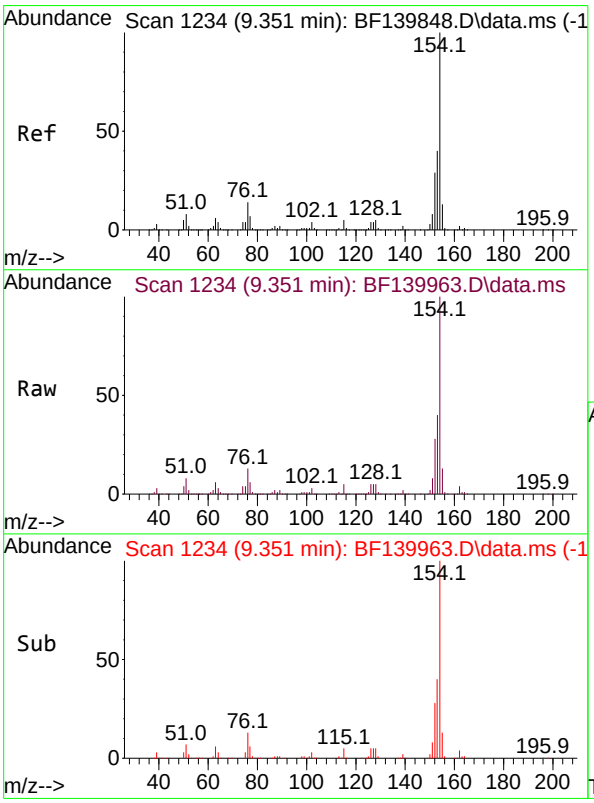
Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.9	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

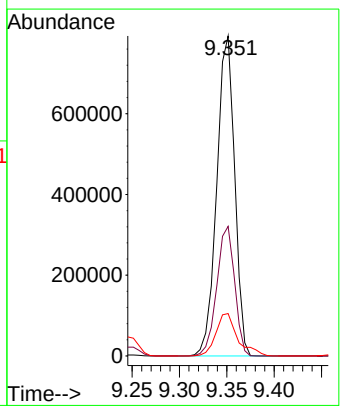
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

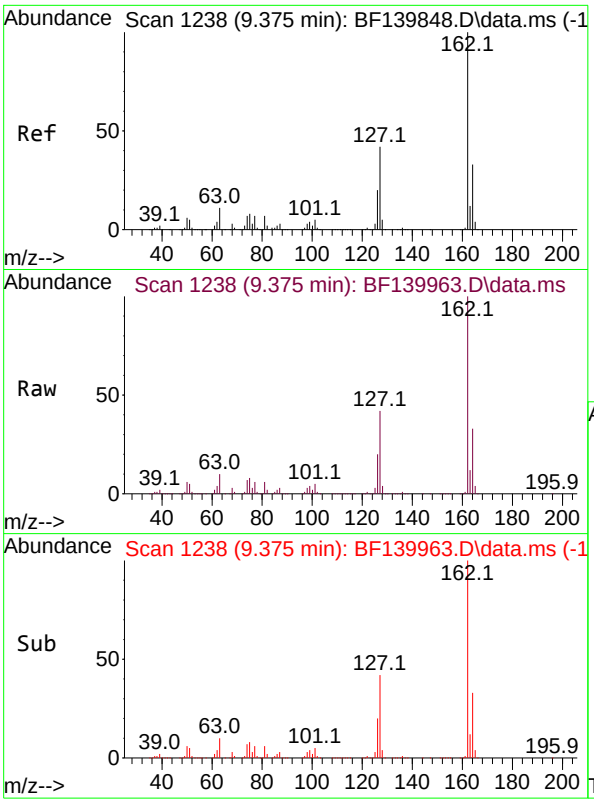


#46
1,1'-Biphenyl
Concen: 42.778 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:154 Resp: 1042962

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.2	0.0	33.9

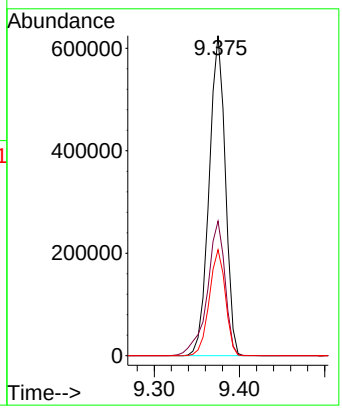




#47
2-Chloronaphthalene
Concen: 42.145 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:162 Resp: 82758

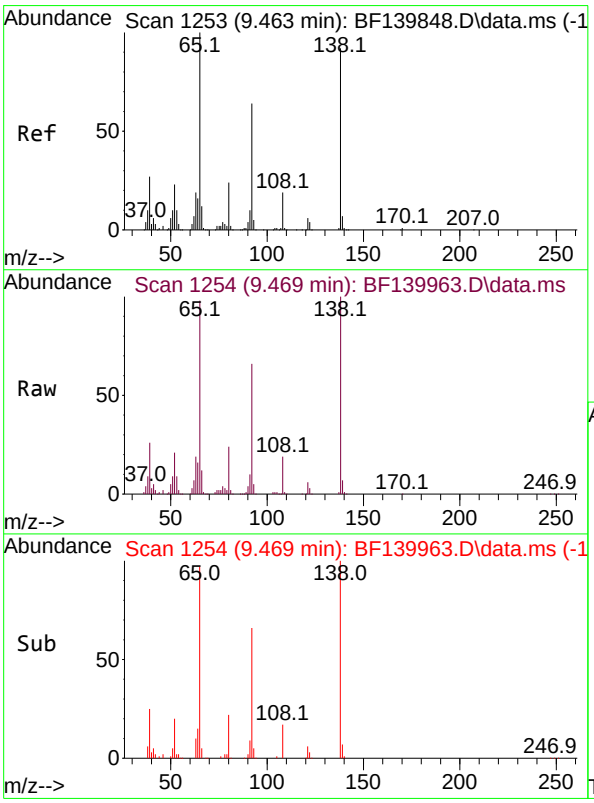
Ion	Ratio	Lower	Upper
162	100		
127	42.1	33.8	50.6
164	33.1	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

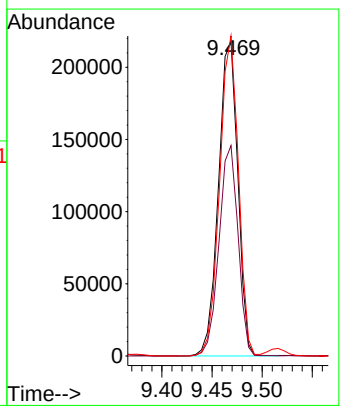
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

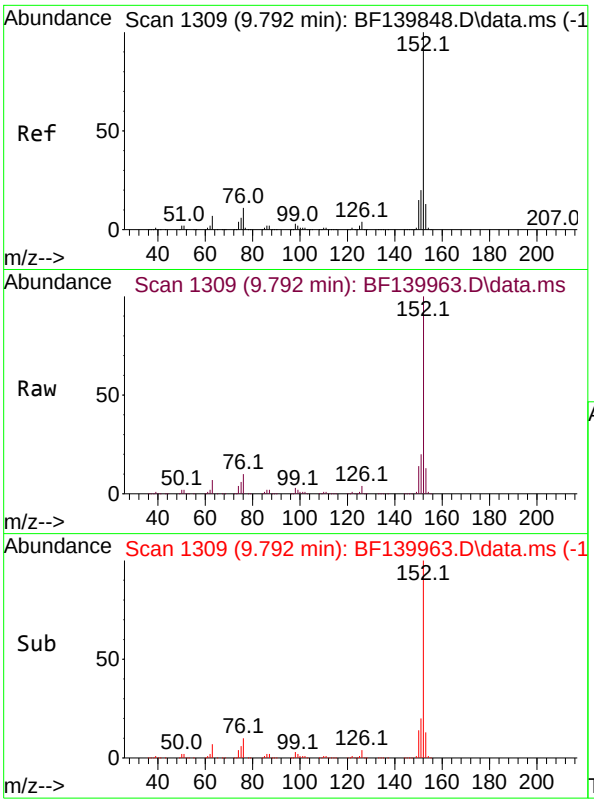


#48
2-Nitroaniline
Concen: 48.623 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 65 Resp: 292014

Ion	Ratio	Lower	Upper
65	100		
92	66.8	50.9	76.3
138	101.6	73.4	110.0

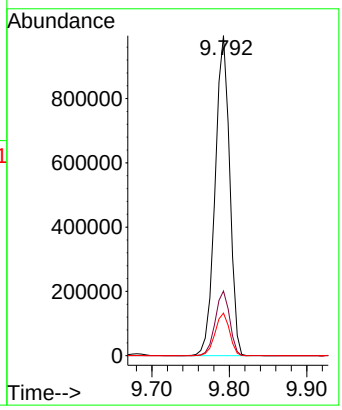




#49
Acenaphthylene
Concen: 45.675 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:152 Resp: 129664

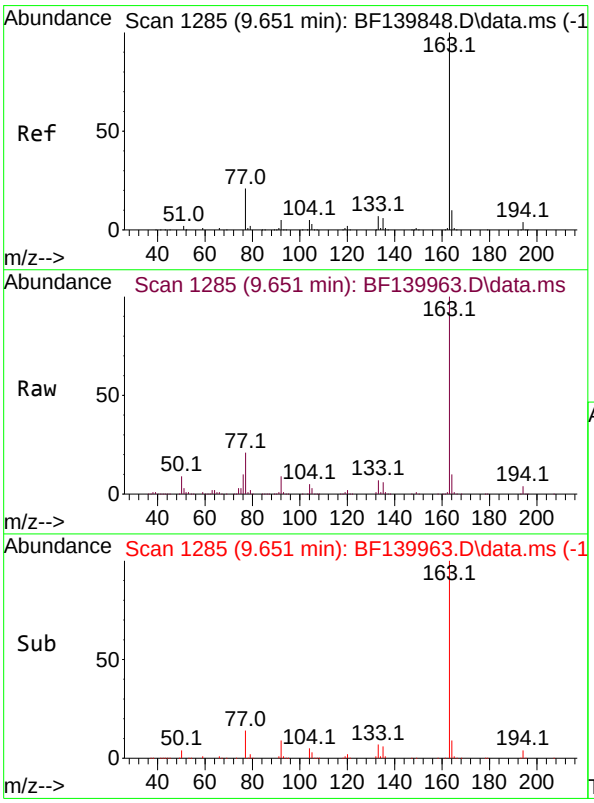
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

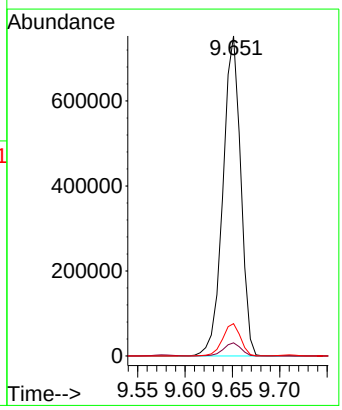
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

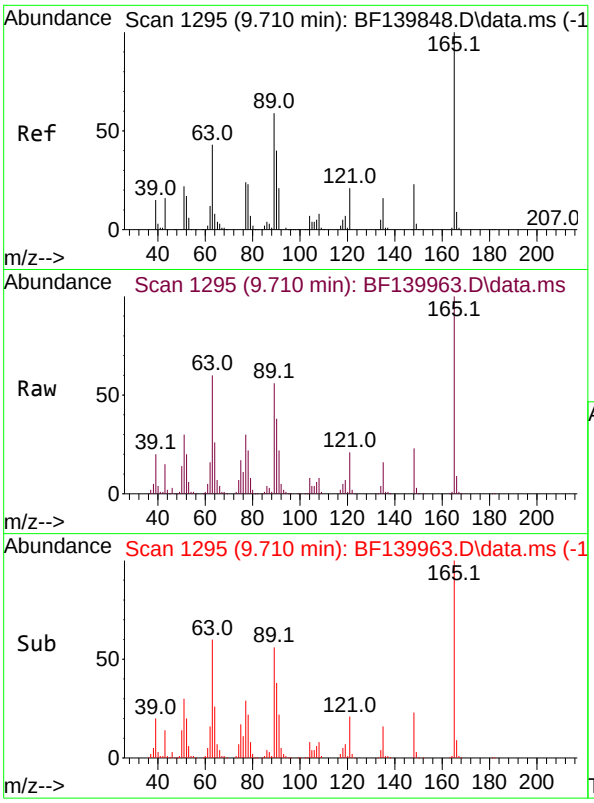


#50
Dimethylphthalate
Concen: 45.117 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:163 Resp: 984207

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 46.591 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

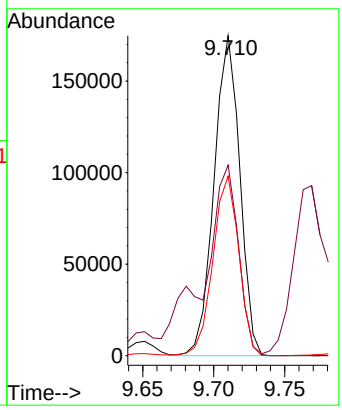
Tgt Ion:165 Resp: 22006

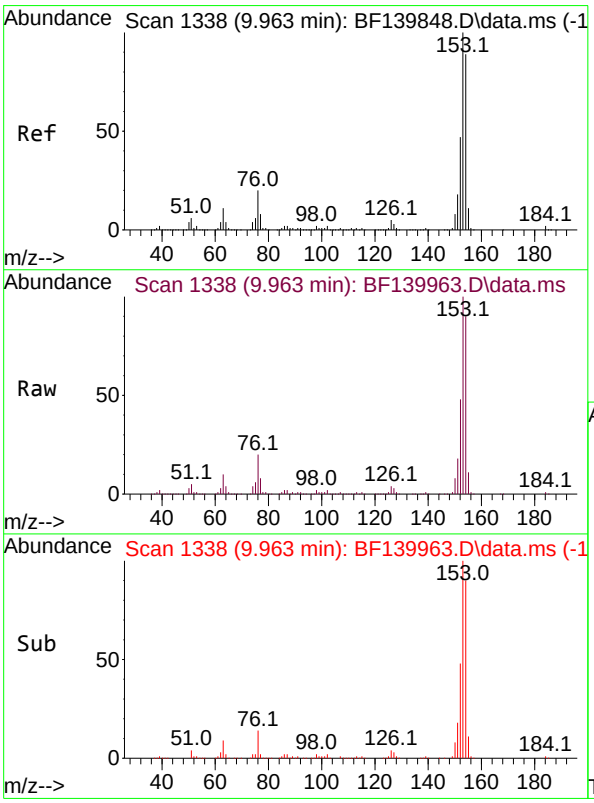
Ion	Ratio	Lower	Upper
165	100		
63	59.6	50.6	75.8
89	56.1	47.5	71.3

Instrument :
BNA_F
ClientSampleId :
PB164286BS

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Supervised By :mohammad ahmed 10/25/2024

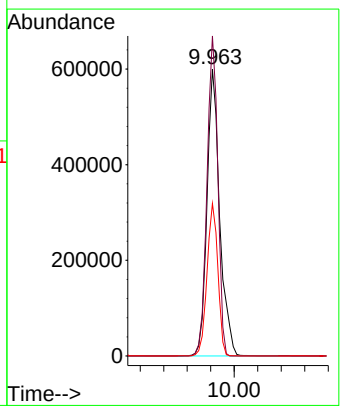


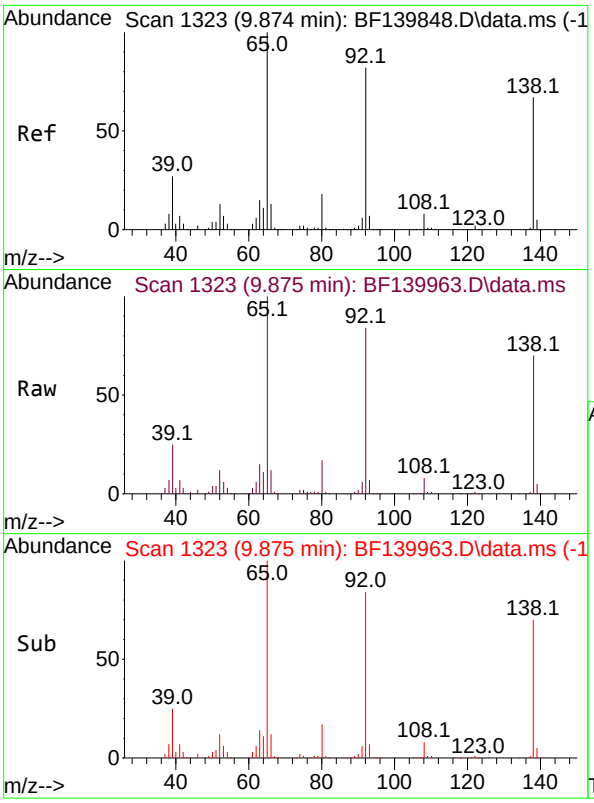


#52
Acenaphthene
Concen: 49.071 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:154 Resp: 901159

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.6
152	53.2	42.4	63.6





#53
3-Nitroaniline
Concen: 36.368 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

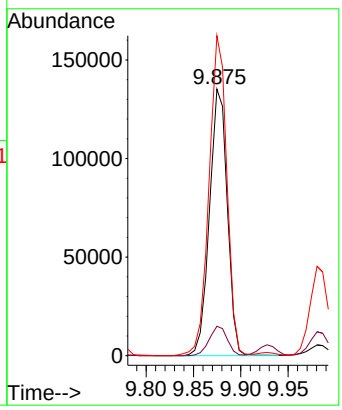
Tgt Ion:138 Resp: 17714

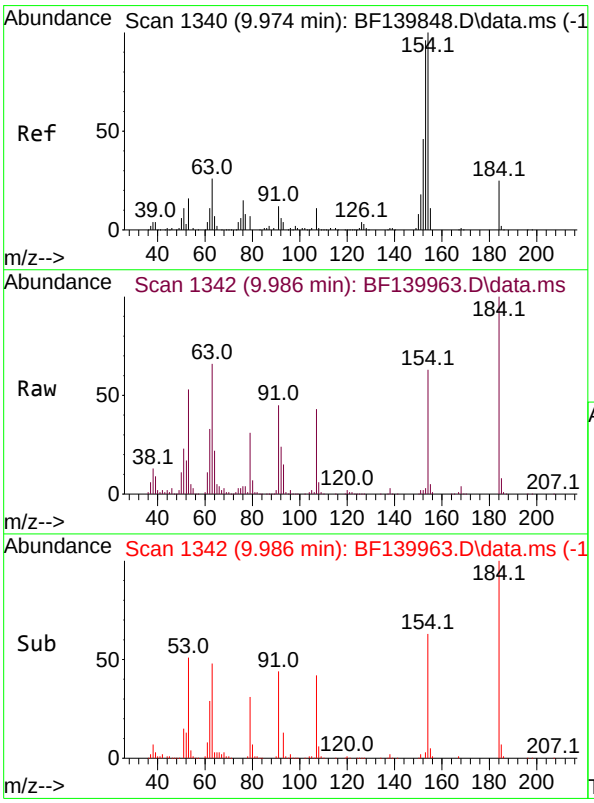
Ion	Ratio	Lower	Upper
138	100		
108	11.0	10.2	15.2
92	120.1	98.3	147.5

Instrument :
BNA_F
ClientSampleId :
PB164286BS

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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

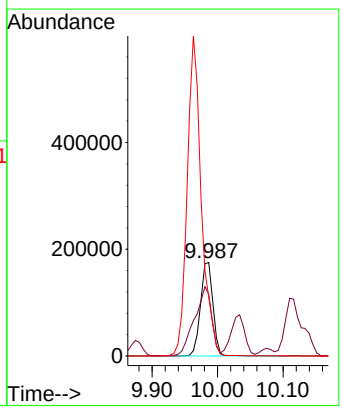


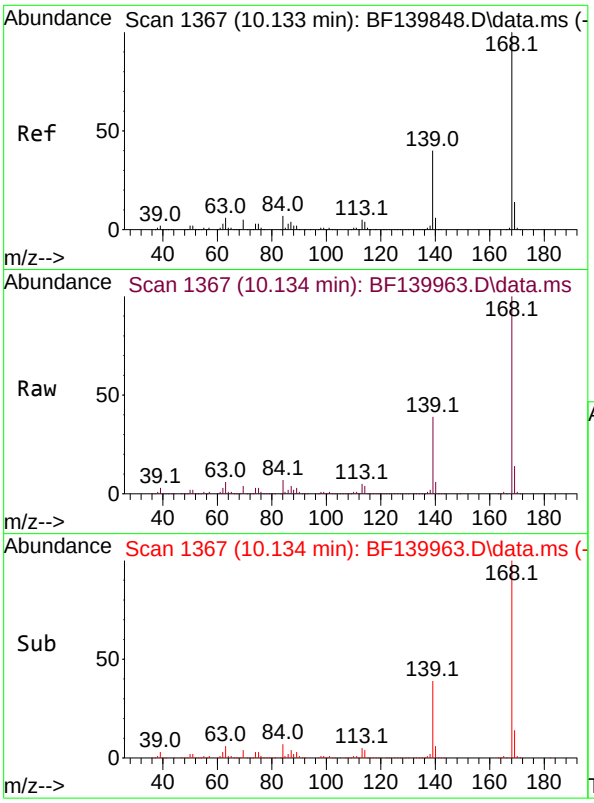


#54
2,4-Dinitrophenol
Concen: 115.216 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.012 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:184 Resp: 232244

Ion	Ratio	Lower	Upper
184	100		
63	65.9	84.7	127.1#
154	62.8	338.2	507.2#

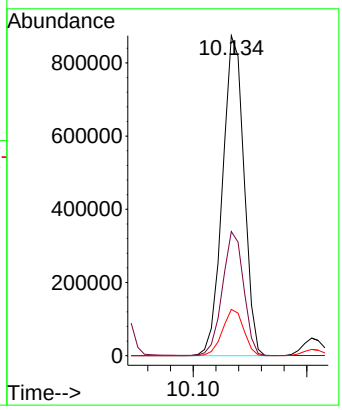




#55
Dibenzofuran
Concen: 43.467 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:168 Resp: 114527

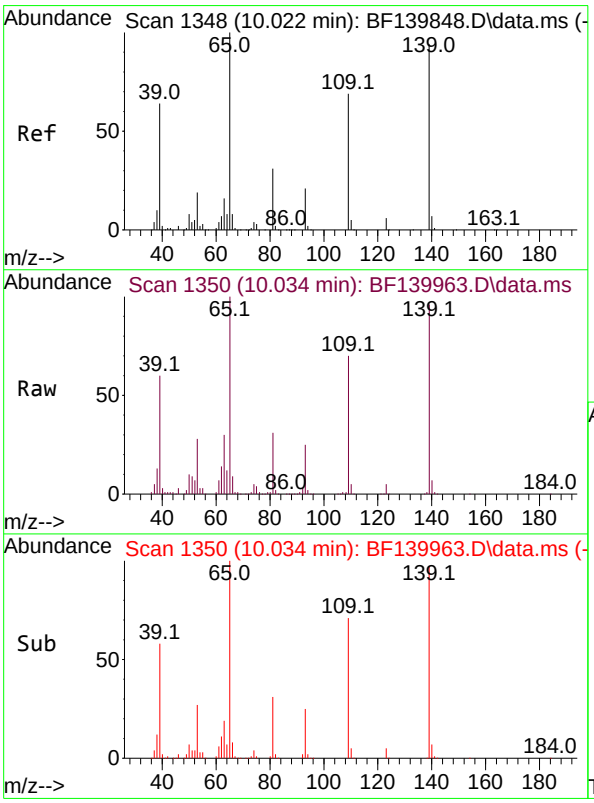
Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.8	47.6
169	14.4	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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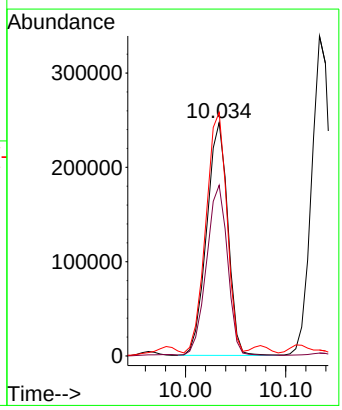
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

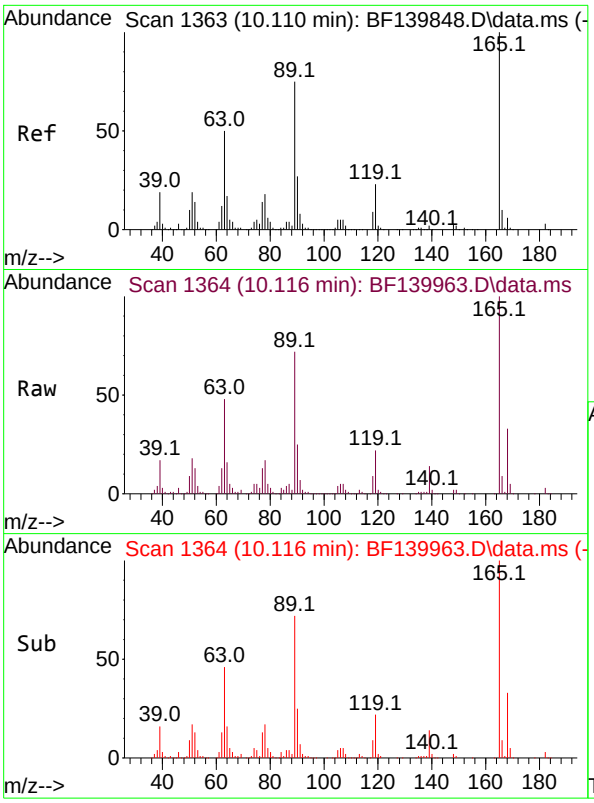


#56
4-Nitrophenol
Concen: 96.682 ng
RT: 10.034 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:139 Resp: 362307

Ion	Ratio	Lower	Upper
139	100		
109	73.1	53.6	93.6
65	104.3	87.8	127.8

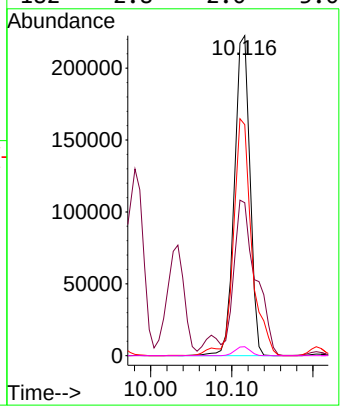




#57
2,4-Dinitrotoluene
Concen: 50.843 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:165 Resp: 29531

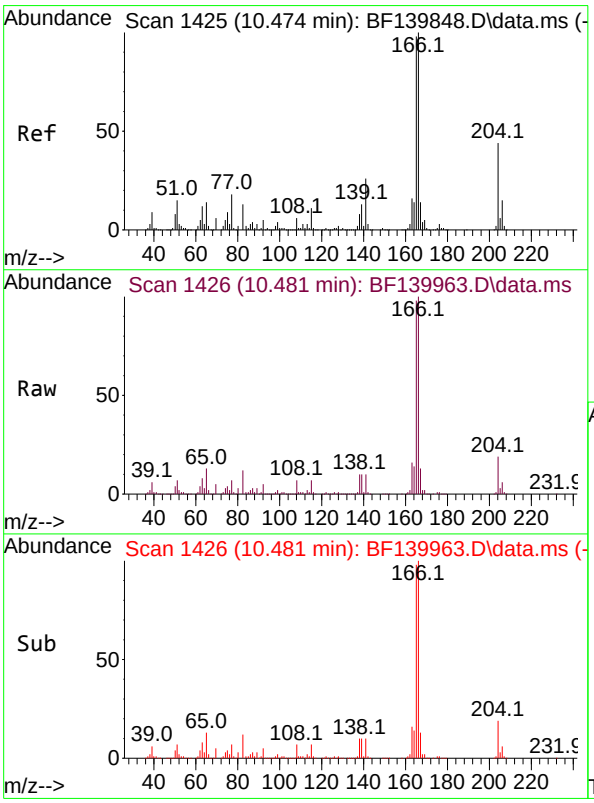
Ion	Ratio	Lower	Upper
165	100		
63	47.8	40.1	60.1
89	72.2	60.4	90.6
182	2.8	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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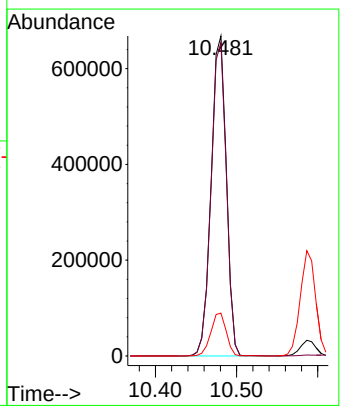
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

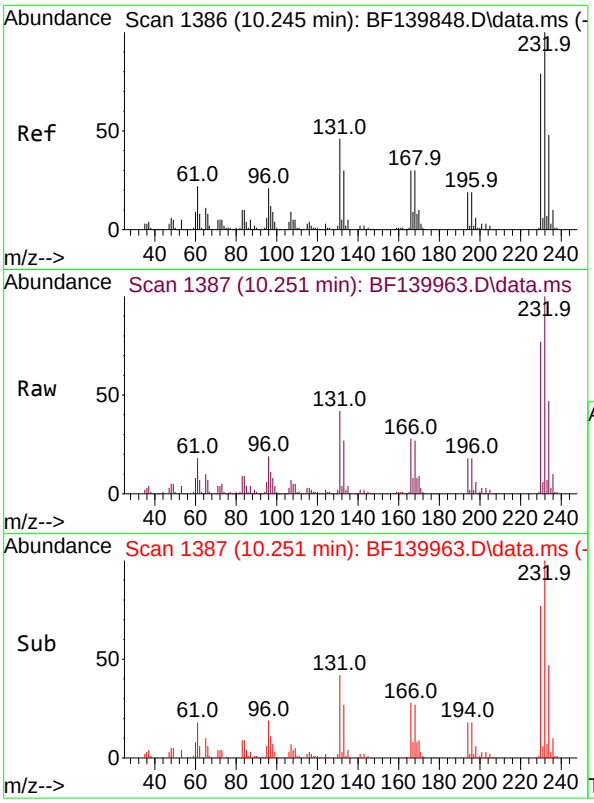


#58
Fluorene
Concen: 43.389 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:166 Resp: 870747

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.5	117.7
167	13.4	10.9	16.3

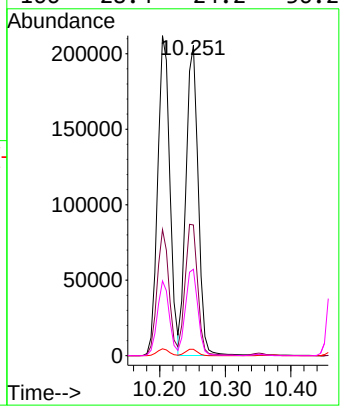




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.921 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:232 Resp: 26468

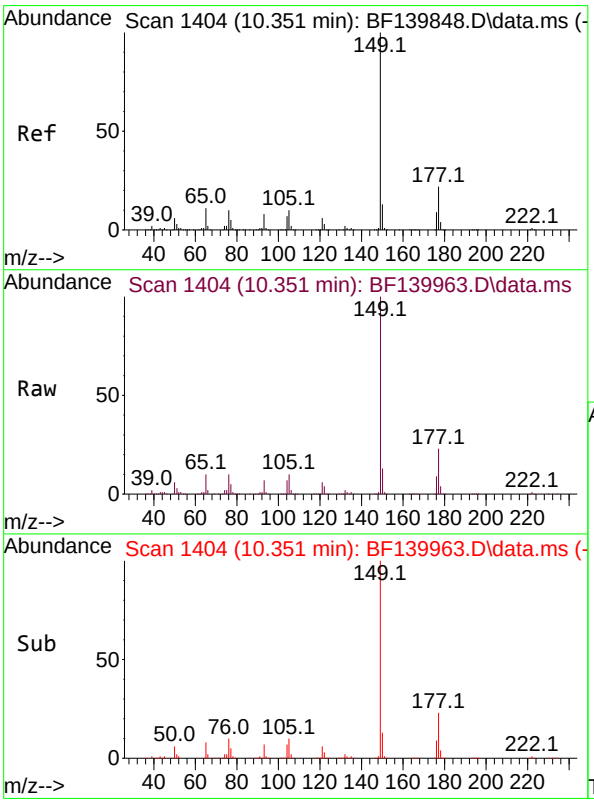
Ion	Ratio	Lower	Upper
232	100		
131	43.7	37.0	55.6
130	2.1	1.9	2.9
166	28.4	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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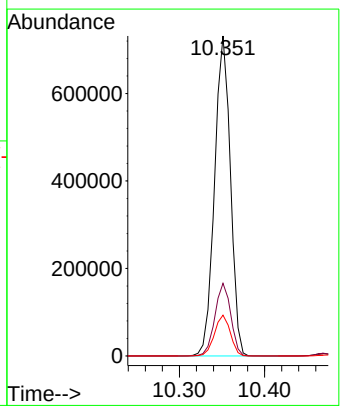
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

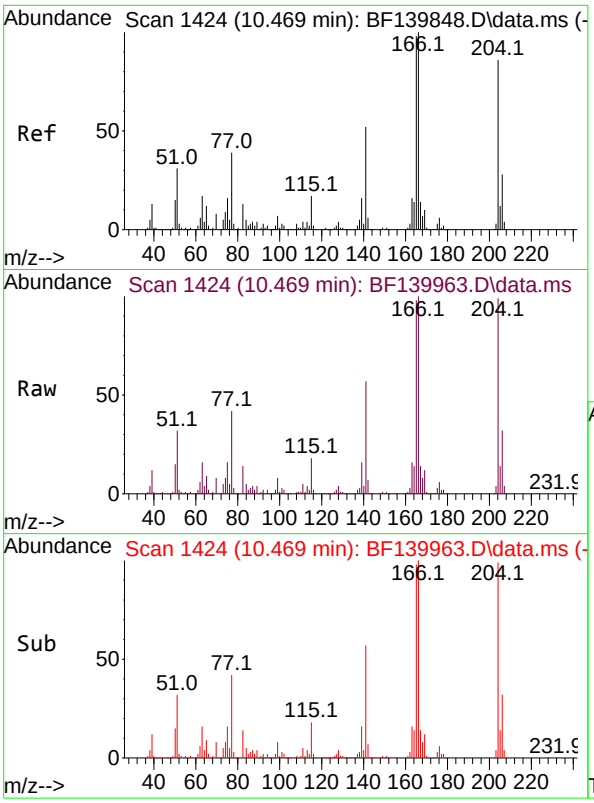


#60
Diethylphthalate
Concen: 44.157 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:149 Resp: 945782

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.165 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

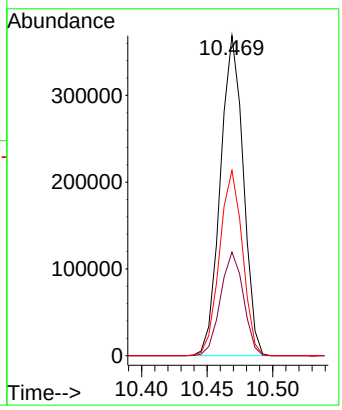
Instrument :
BNA_F
ClientSampleId :
PB164286BS

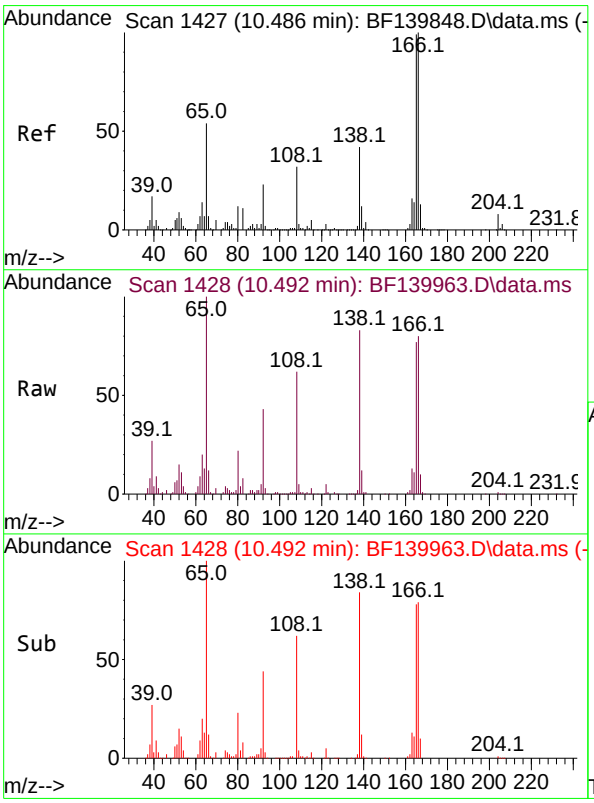
Tgt Ion:204 Resp: 44759

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.3	39.5
141	57.9	48.6	73.0

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

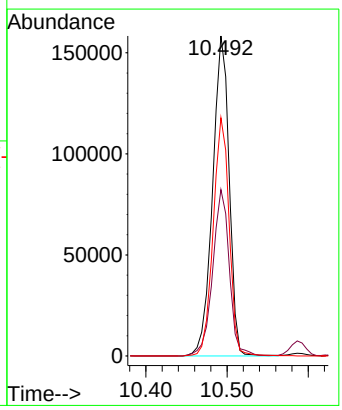


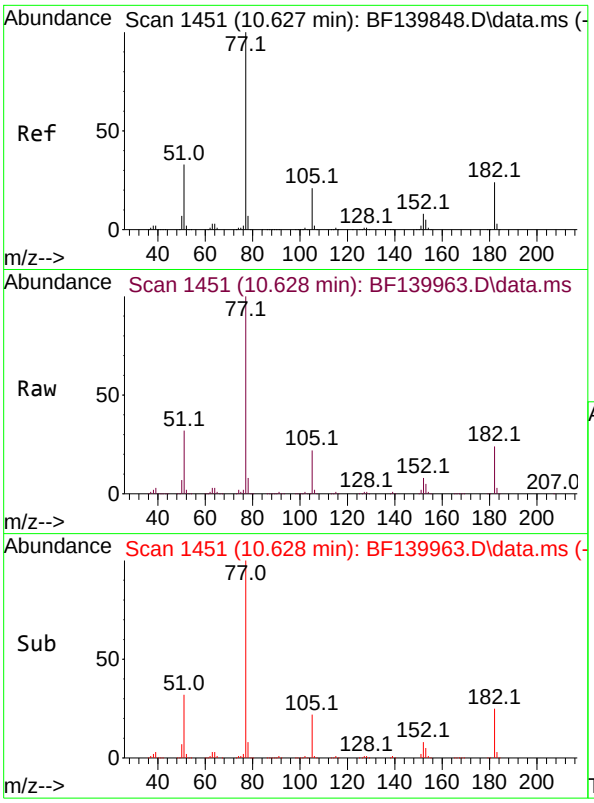


#62
4-Nitroaniline
Concen: 48.856 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:138 Resp: 224753

Ion	Ratio	Lower	Upper
138	100		
92	52.0	35.7	75.7
108	74.5	57.5	97.5

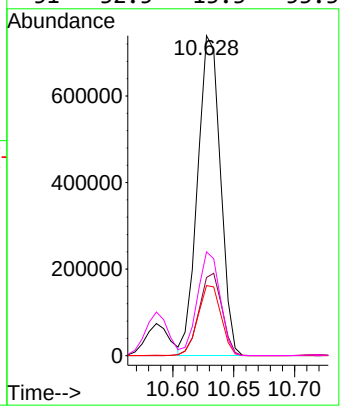




#63
Azobenzene
Concen: 42.420 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion: 77 Resp: 96324

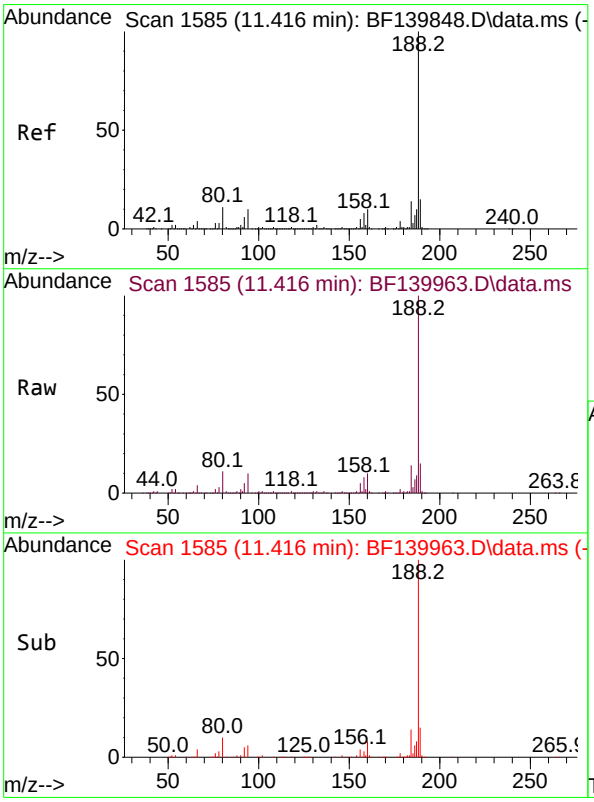
Ion	Ratio	Lower	Upper
77	100		
182	24.4	3.3	43.3
105	21.9	1.2	41.2
51	32.5	13.3	53.3



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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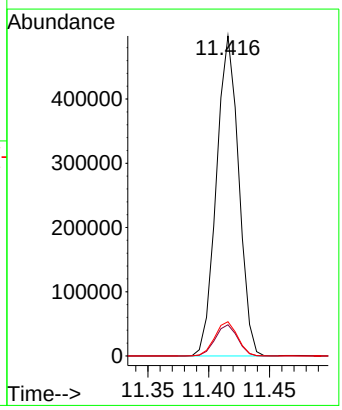
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

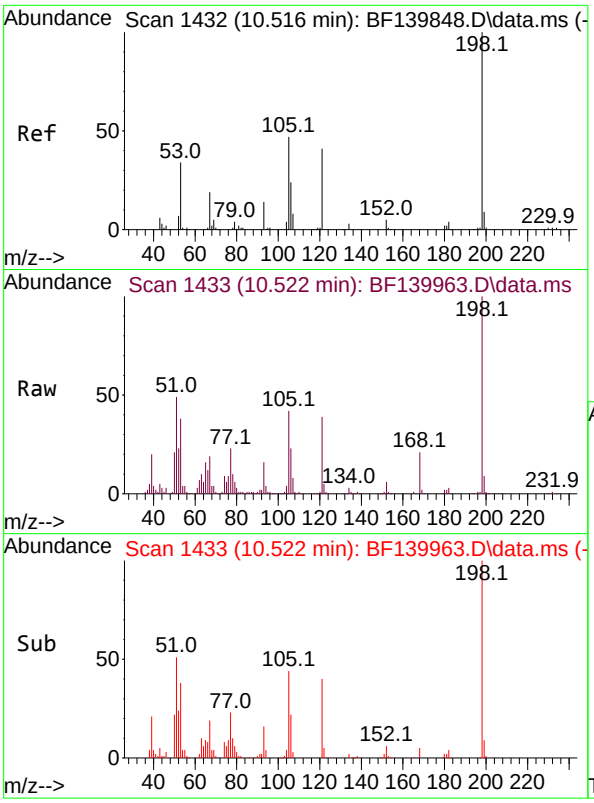


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:188 Resp: 635882

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.7	9.0	13.4

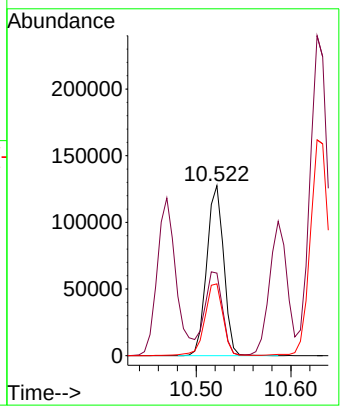




#65
4,6-Dinitro-2-methylphenol
Concen: 61.064 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:198 Resp: 15838

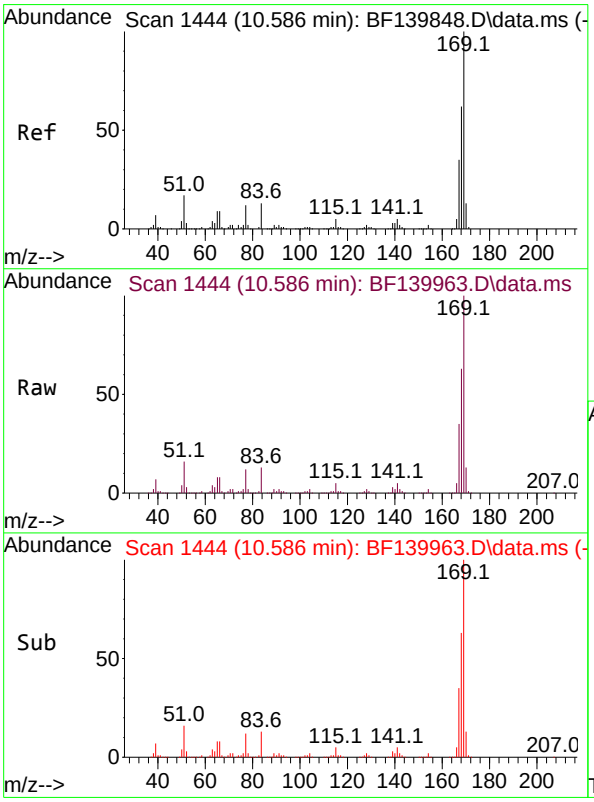
Ion	Ratio	Lower	Upper
198	100		
51	48.5	38.2	78.2
105	42.2	27.9	67.9



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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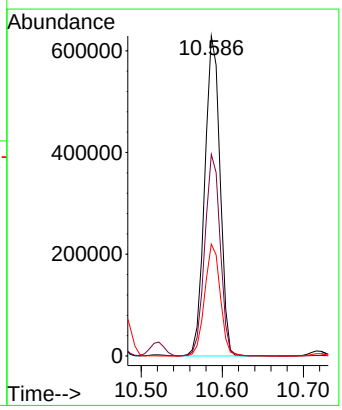
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

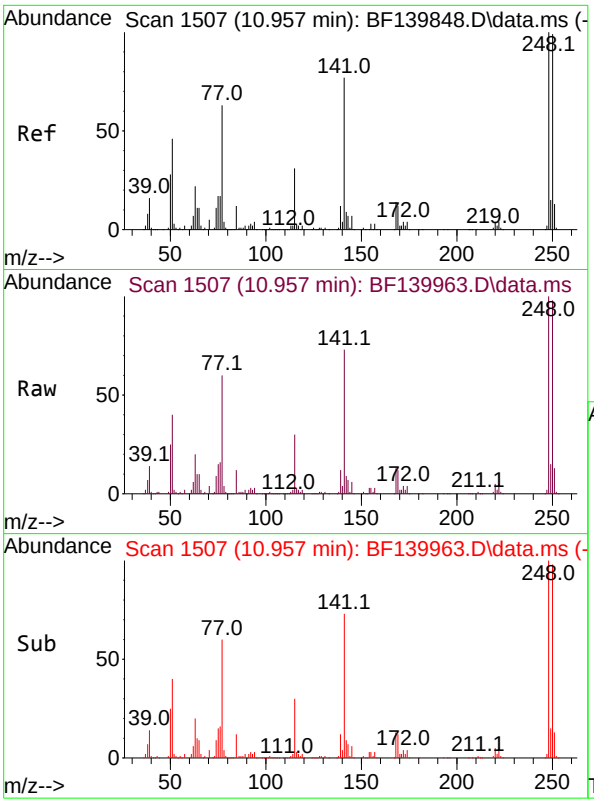


#66
n-Nitrosodiphenylamine
Concen: 43.138 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:169 Resp: 820984

Ion	Ratio	Lower	Upper
169	100		
168	63.0	49.8	74.6
167	34.9	28.0	42.0

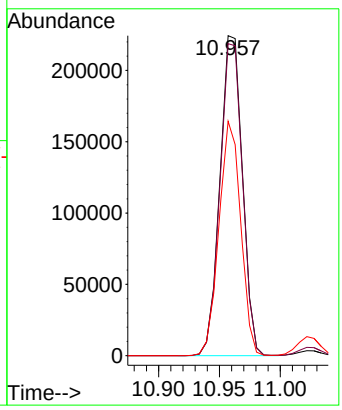




#67
4-Bromophenyl-phenylether
Concen: 44.097 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:248 Resp: 28886

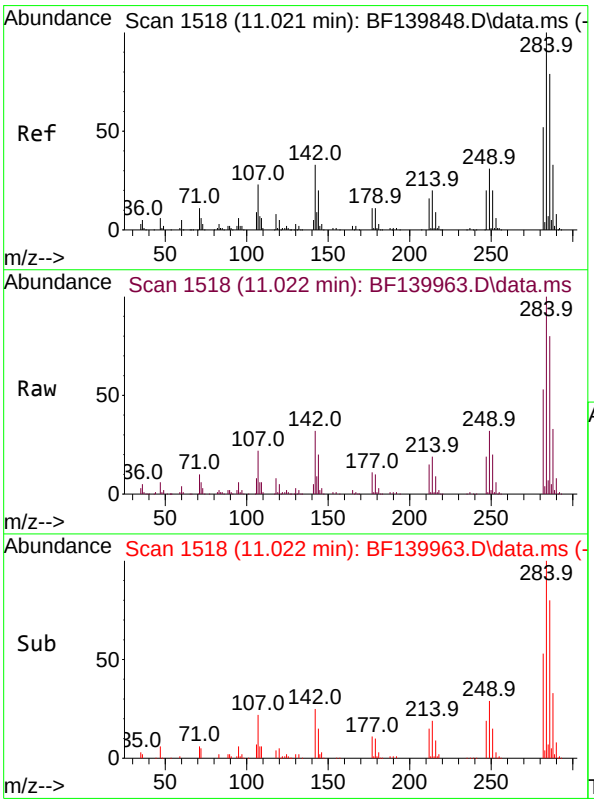
Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.0	118.6
141	73.2	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

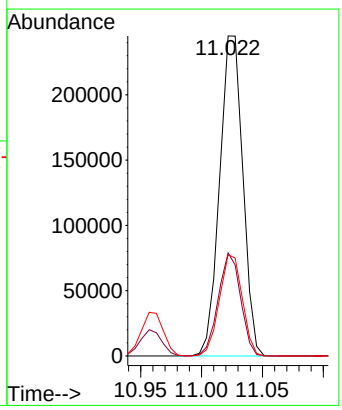
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

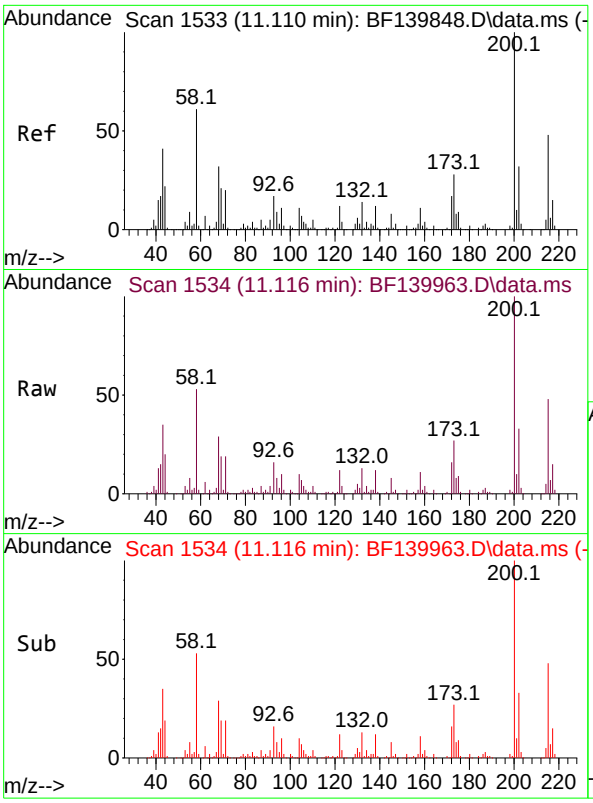


#68
Hexachlorobenzene
Concen: 44.247 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:284 Resp: 325983

Ion	Ratio	Lower	Upper
284	100		
142	32.2	26.9	40.3
249	31.7	25.3	37.9

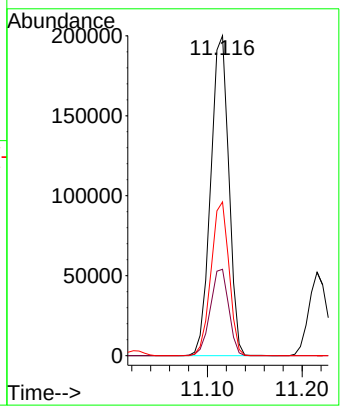




#69
Atrazine
Concen: 51.545 ng
RT: 11.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:200 Resp: 26573

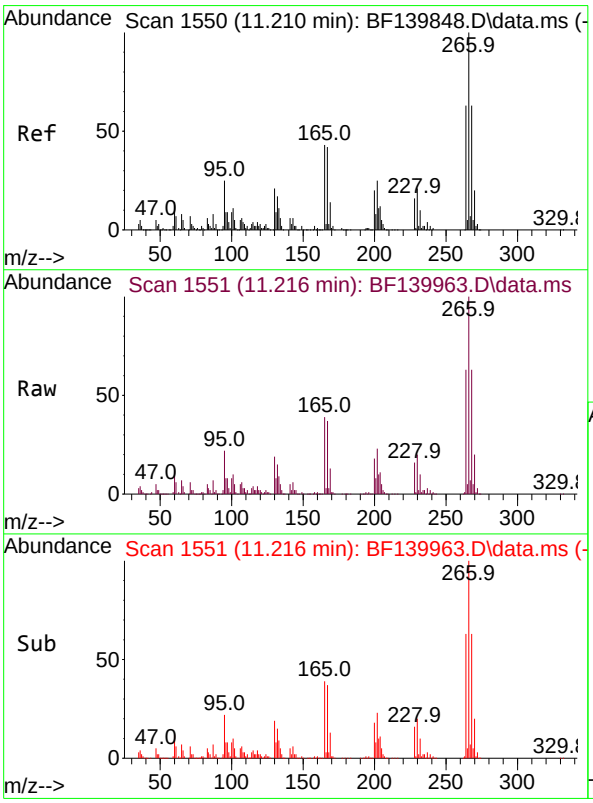
Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.7	47.7
215	48.1	27.7	67.7



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
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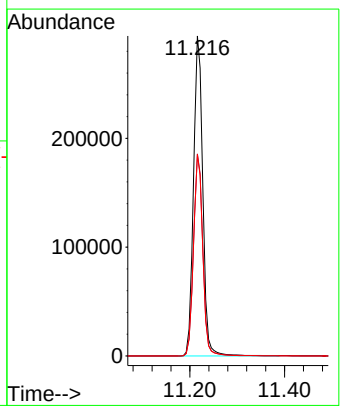
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

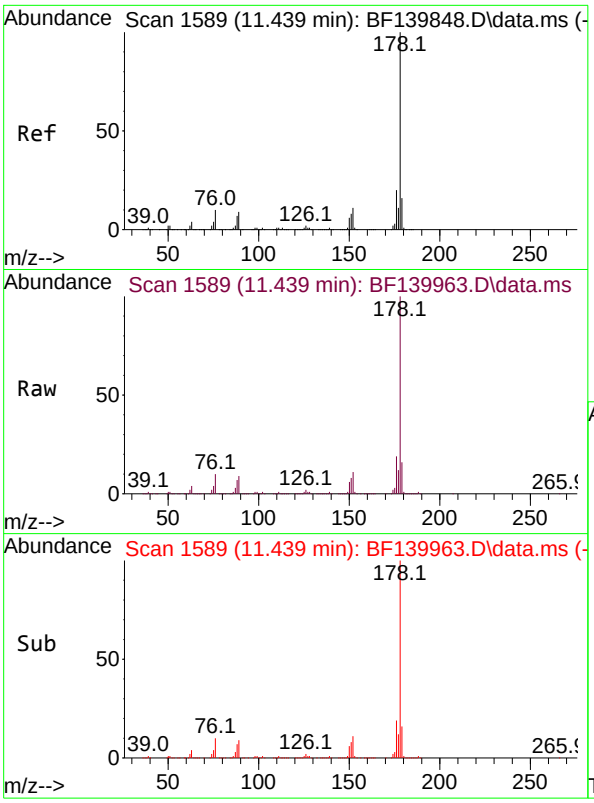


#70
Pentachlorophenol
Concen: 89.599 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:266 Resp: 400627

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.4	75.6
264	62.9	50.6	75.8

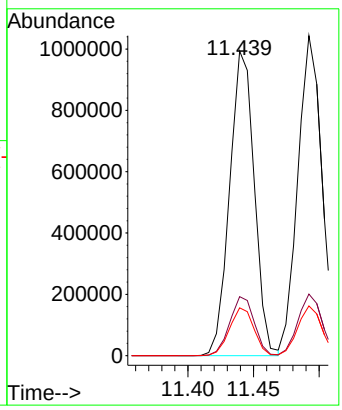




#71
Phenanthrene
Concen: 43.347 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:178 Resp: 130199

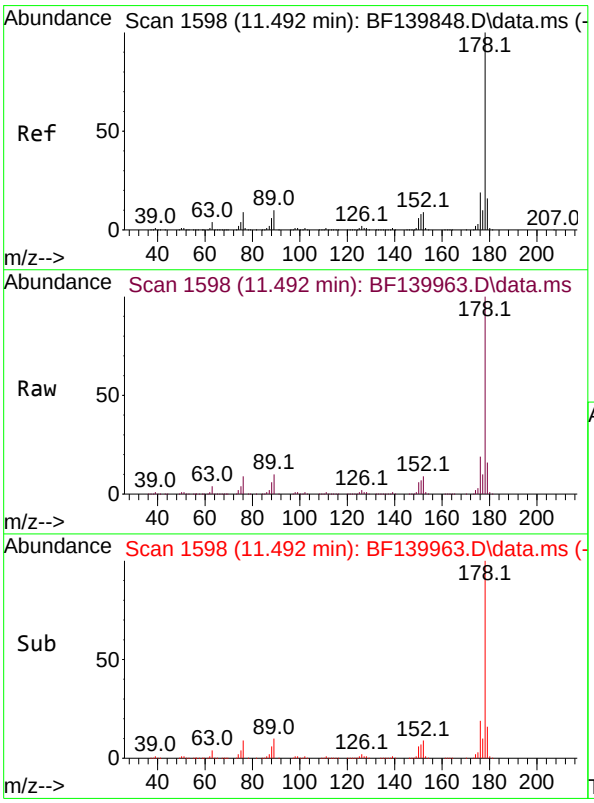
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.7	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

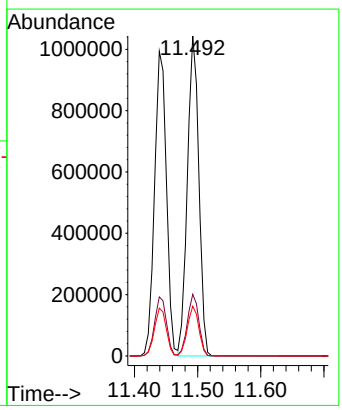
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

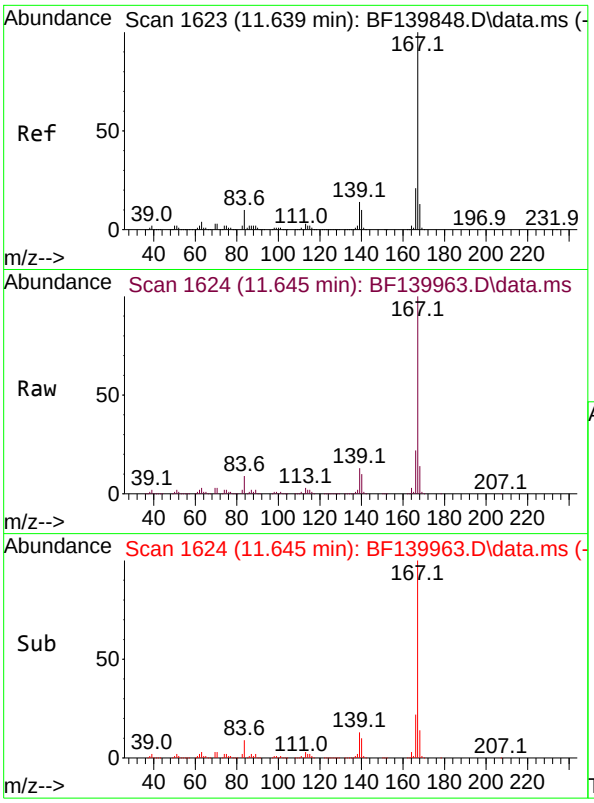


#72
Anthracene
Concen: 45.105 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:178 Resp: 1321841

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.4	18.6

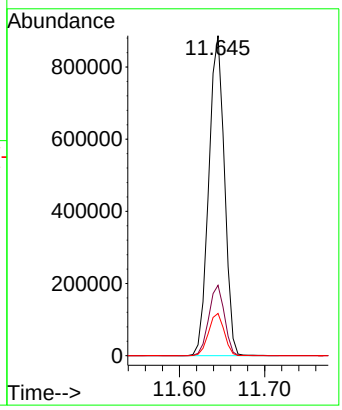




#73
Carbazole
Concen: 41.570 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:167 Resp: 113299

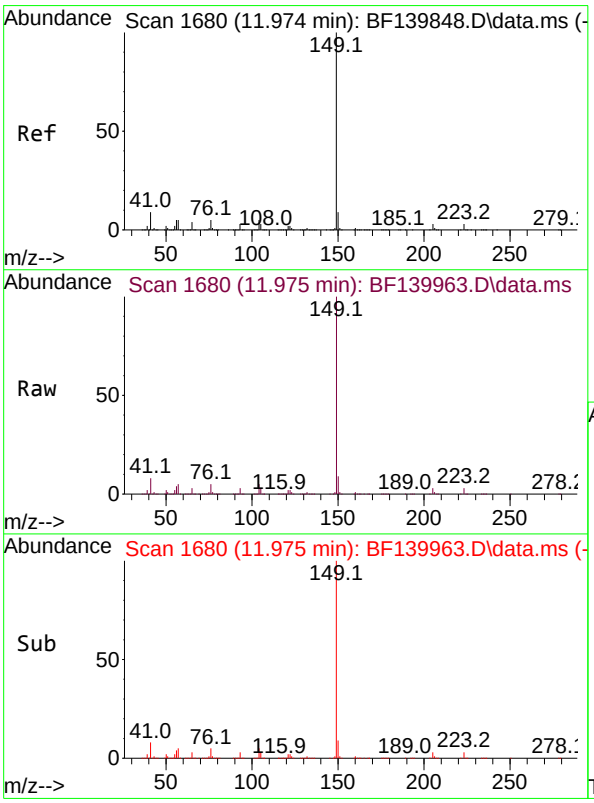
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.0	25.6
139	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

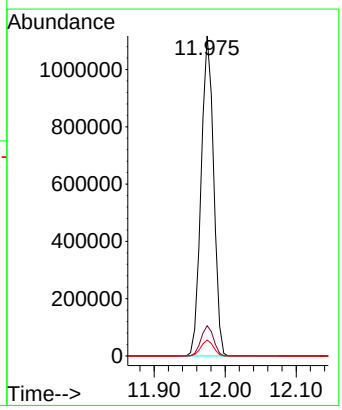
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

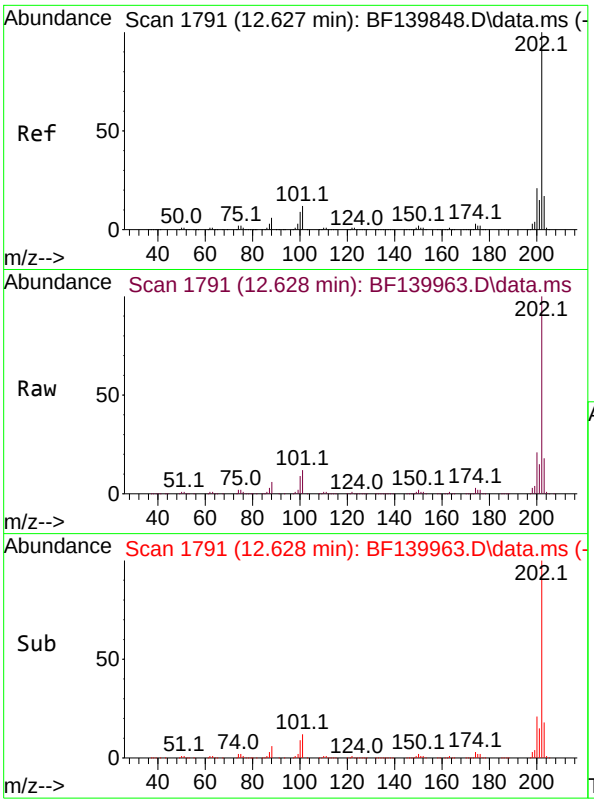


#74
Di-n-butylphthalate
Concen: 43.634 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:149 Resp: 1373983

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	5.0	4.1	6.1





#75
Fluoranthene
Concen: 41.445 ng
RT: 12.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

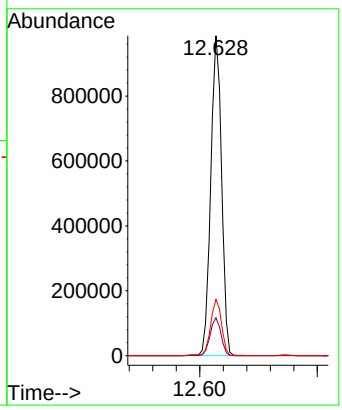
Tgt Ion:202 Resp: 125846

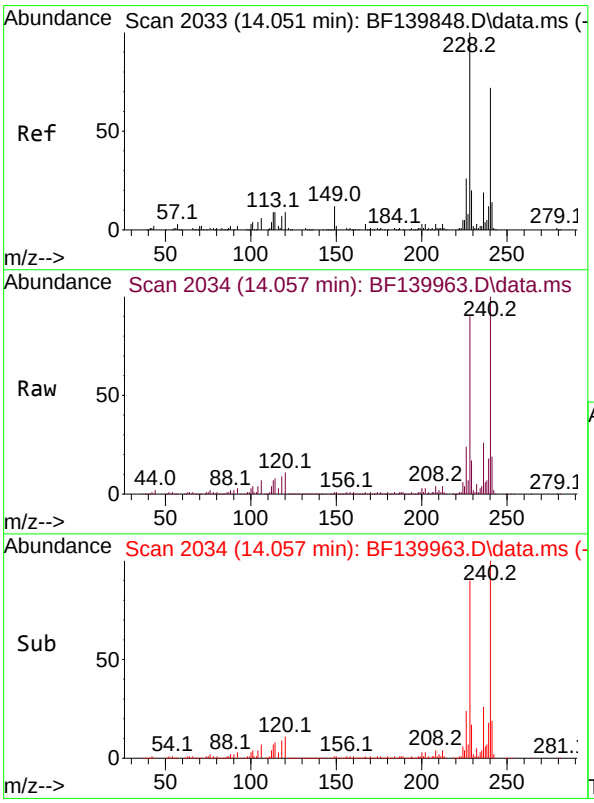
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.9
203	17.6	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

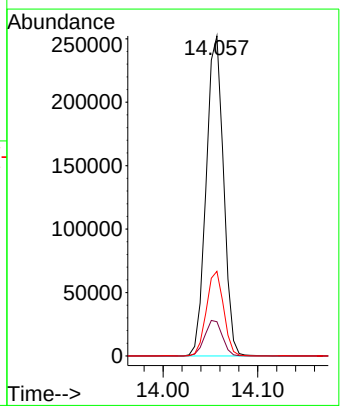


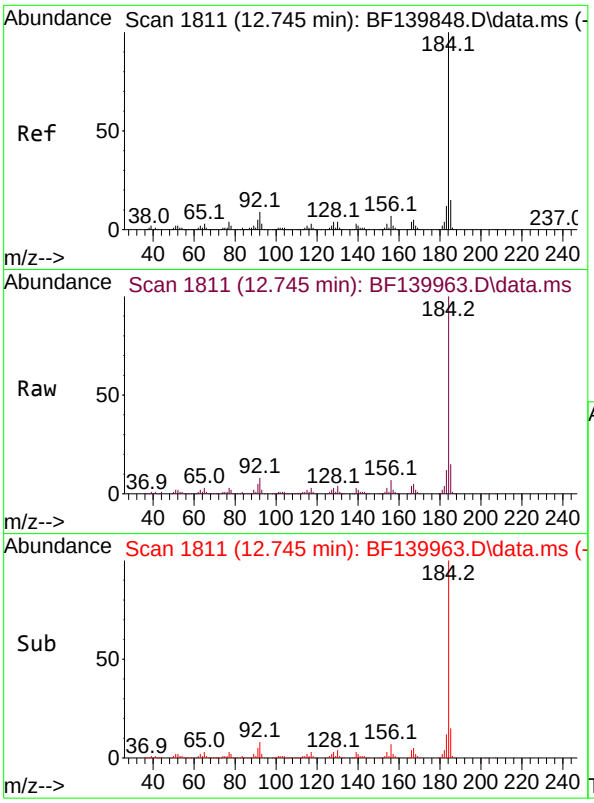


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:240 Resp: 319612

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.4	14.2
236	26.4	20.9	31.3

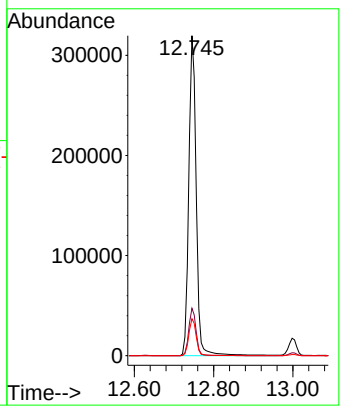




#77
Benzidine
Concen: 79.534 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:184 Resp: 41799

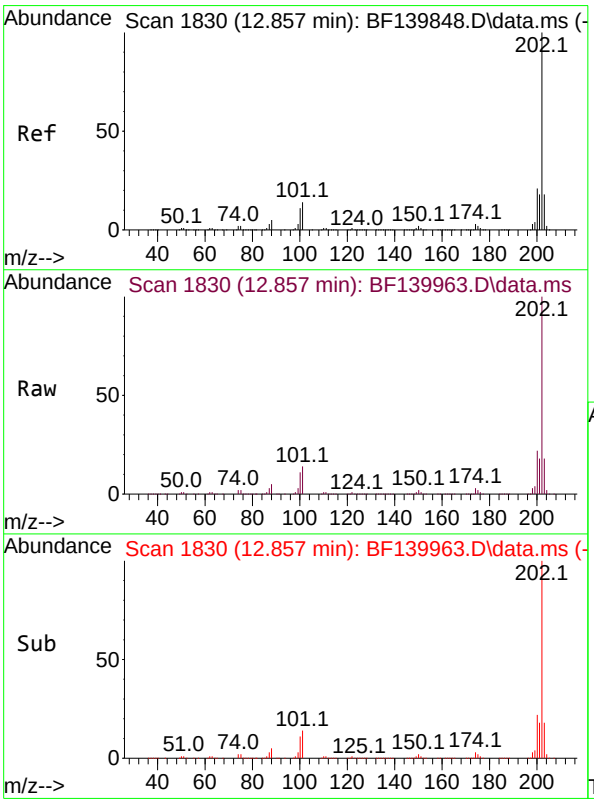
Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.0	18.0
183	11.6	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

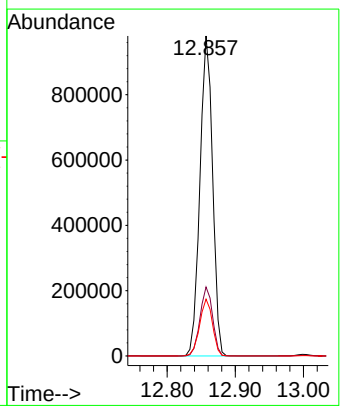
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

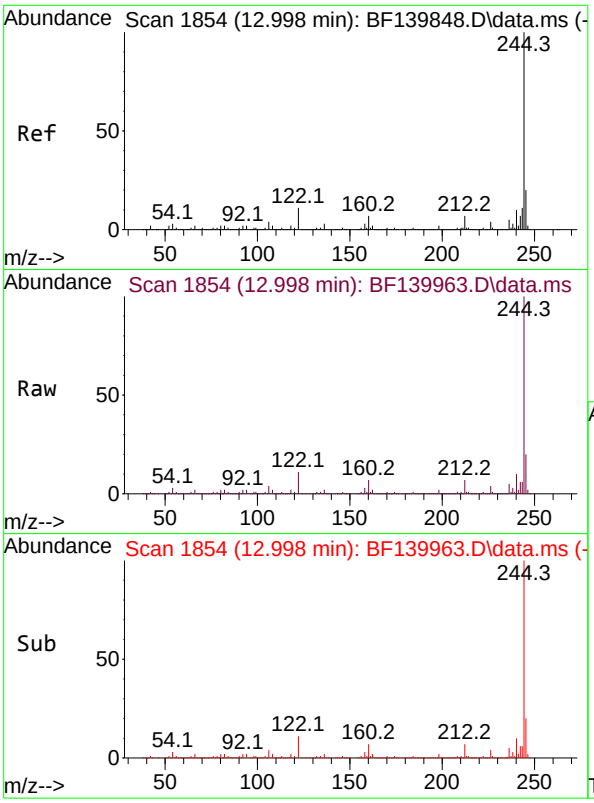


#78
Pyrene
Concen: 45.118 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:202 Resp: 1262248

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.7	14.2	21.4

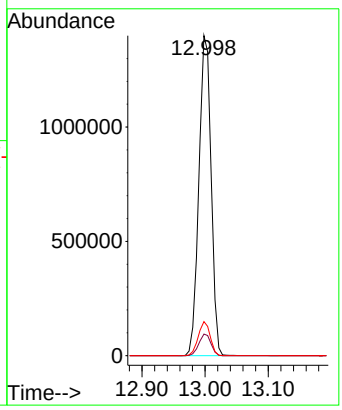




#79
Terphenyl-d14
Concen: 95.706 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:244 Resp: 187721

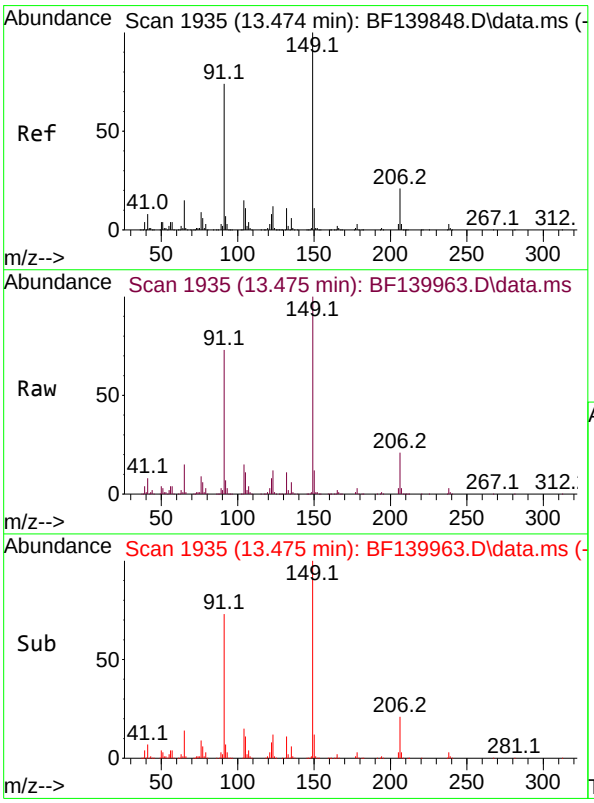
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

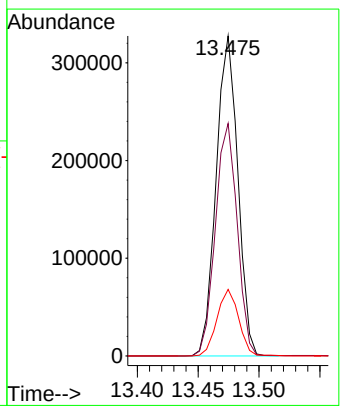
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

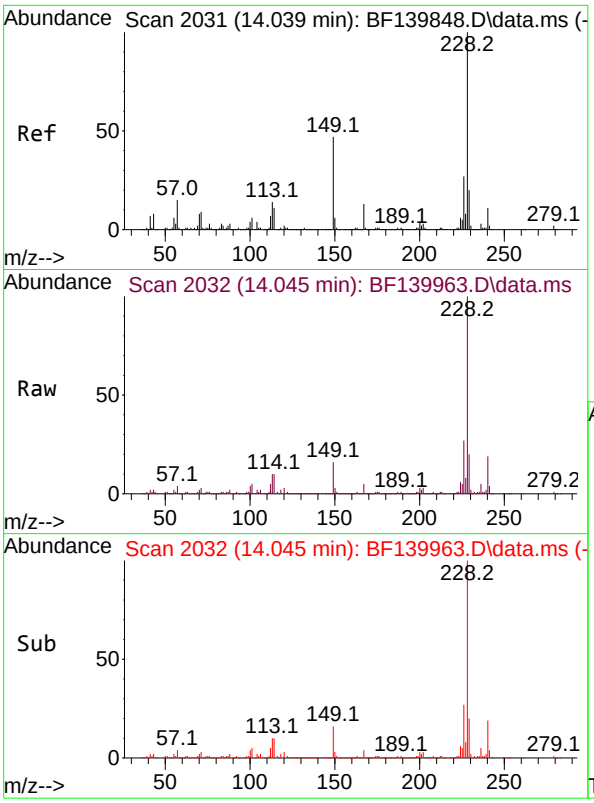


#80
Butylbenzylphthalate
Concen: 48.439 ng
RT: 13.475 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:149 Resp: 406282

Ion	Ratio	Lower	Upper
149	100		
91	72.6	59.4	89.2
206	20.8	16.4	24.6

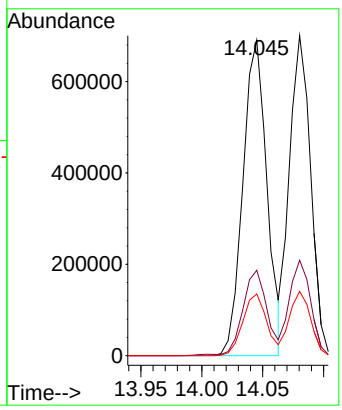




#81
Benzo(a)anthracene
Concen: 45.600 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:228 Resp: 94873

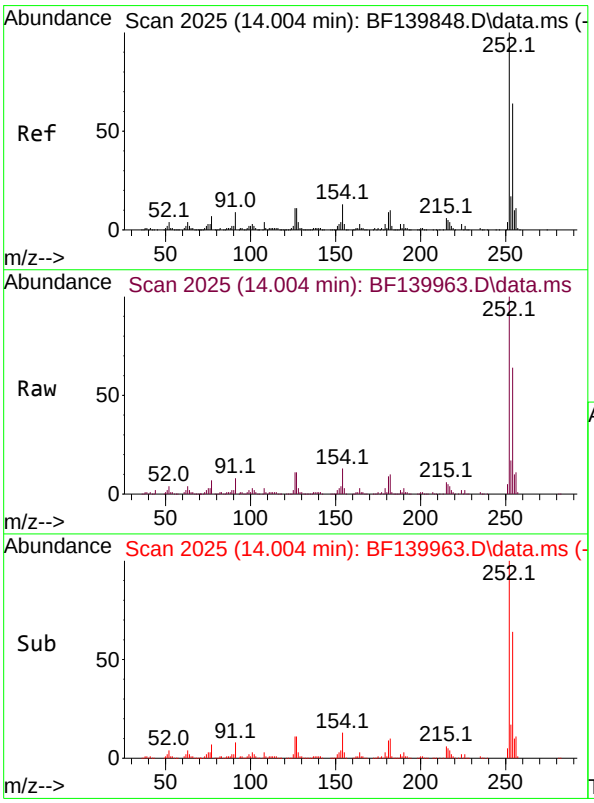
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.6	32.4
229	19.6	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

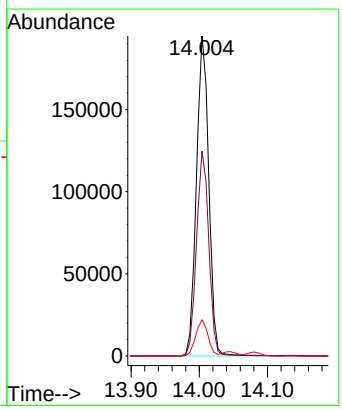
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

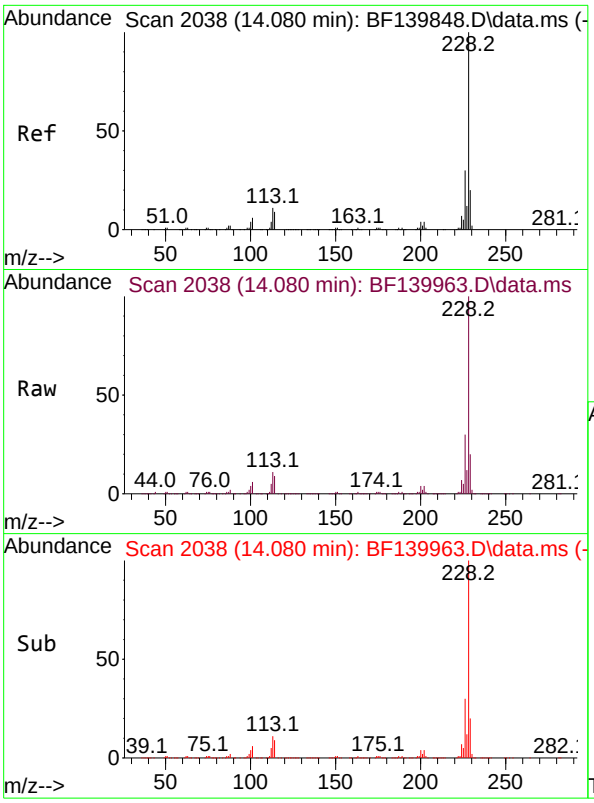


#82
3,3'-Dichlorobenzidine
Concen: 40.249 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:252 Resp: 244157

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.8	76.2
126	11.3	8.9	13.3

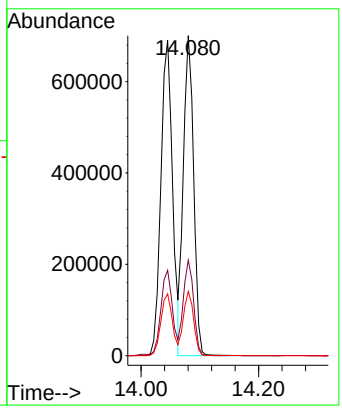




#83
Chrysene
Concen: 44.700 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:228 Resp: 85271

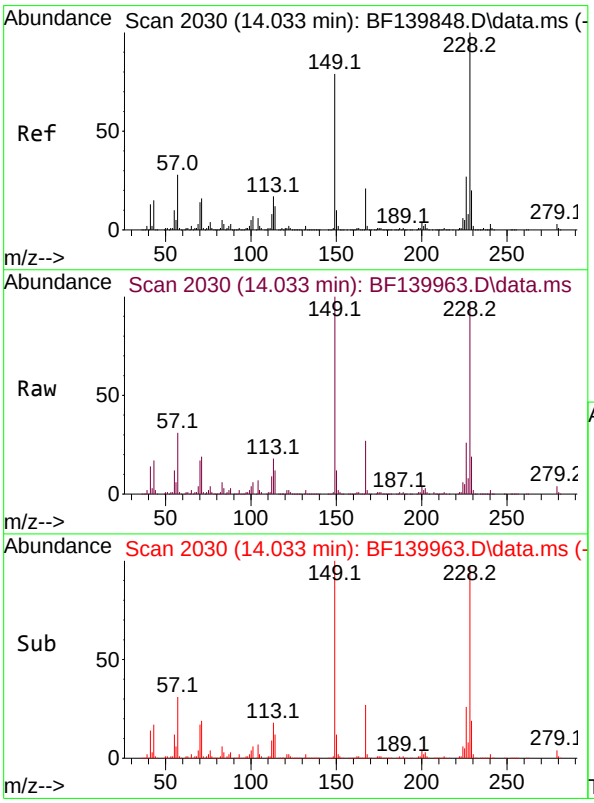
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	20.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

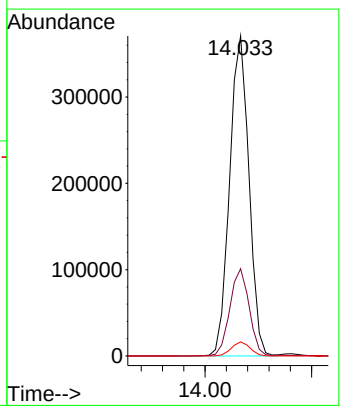
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

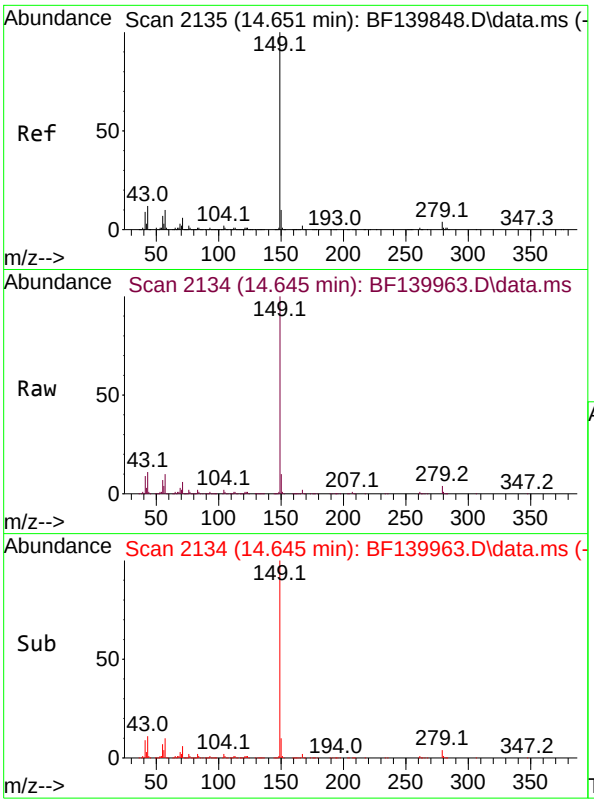


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.664 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:149 Resp: 467356

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	4.4	3.0	4.4

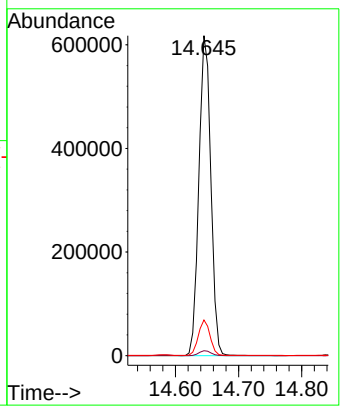




#85
Di-n-octyl phthalate
Concen: 47.248 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:149 Resp: 80870

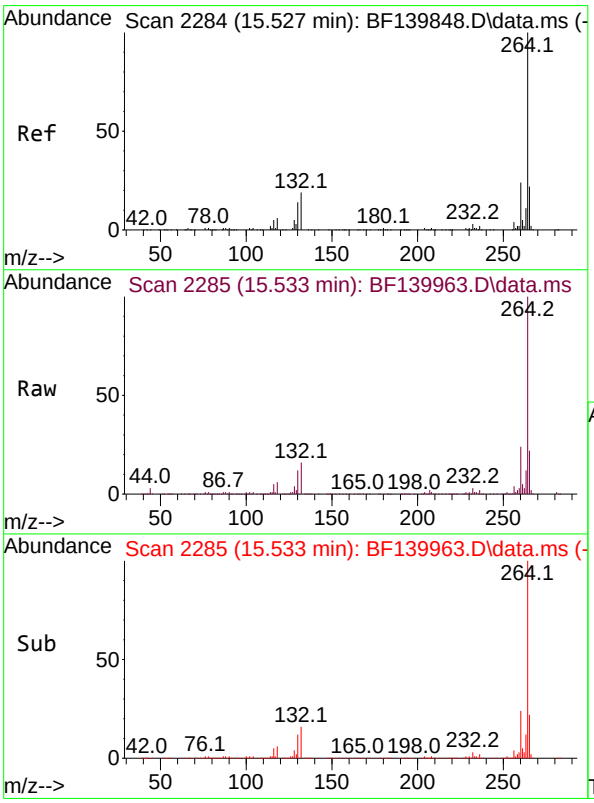
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

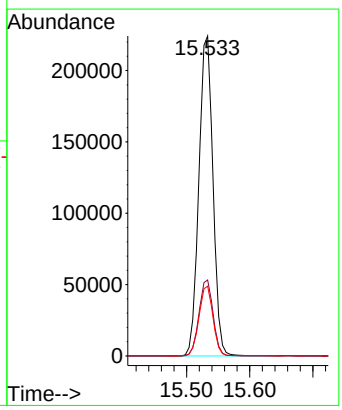
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

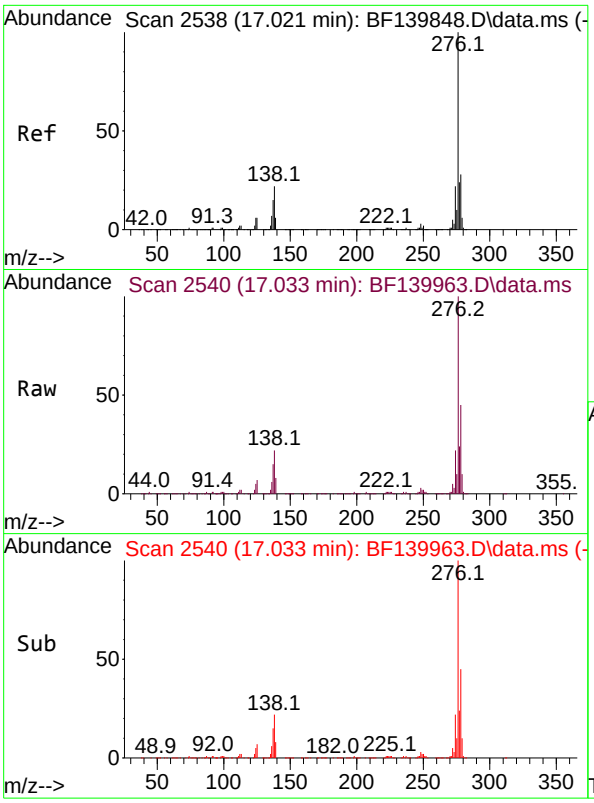


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:264 Resp: 347575

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.8	17.4	26.0

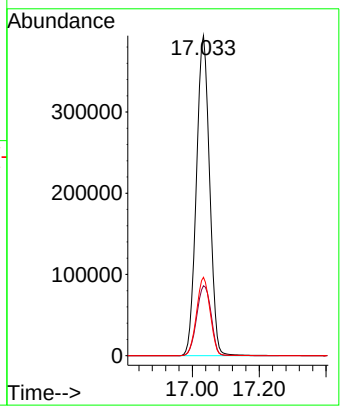




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.330 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:276 Resp: 108068

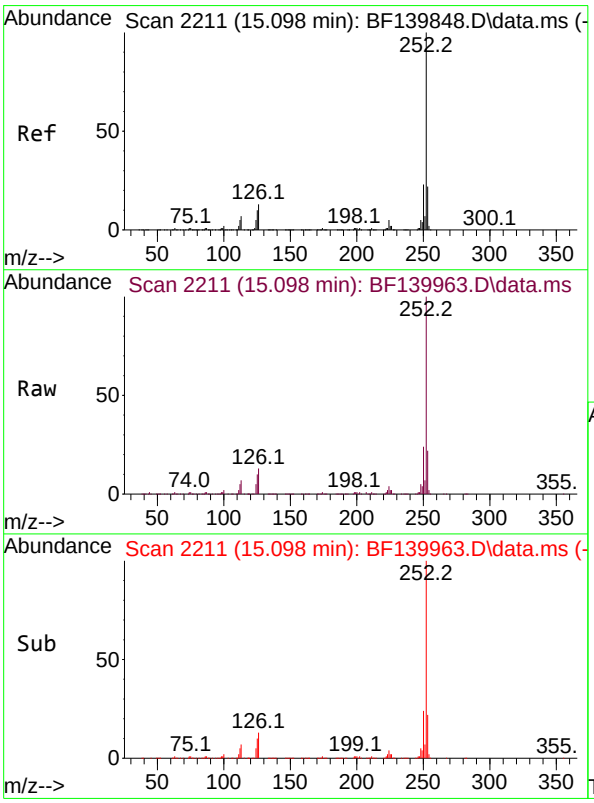
Ion	Ratio	Lower	Upper
276	100		
138	23.8	20.4	30.6
277	25.1	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

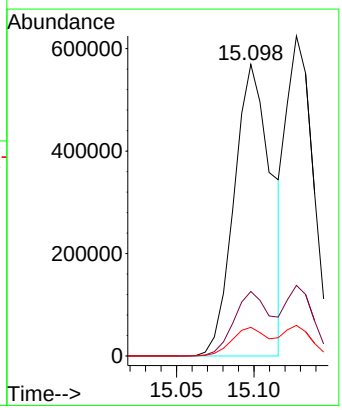
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

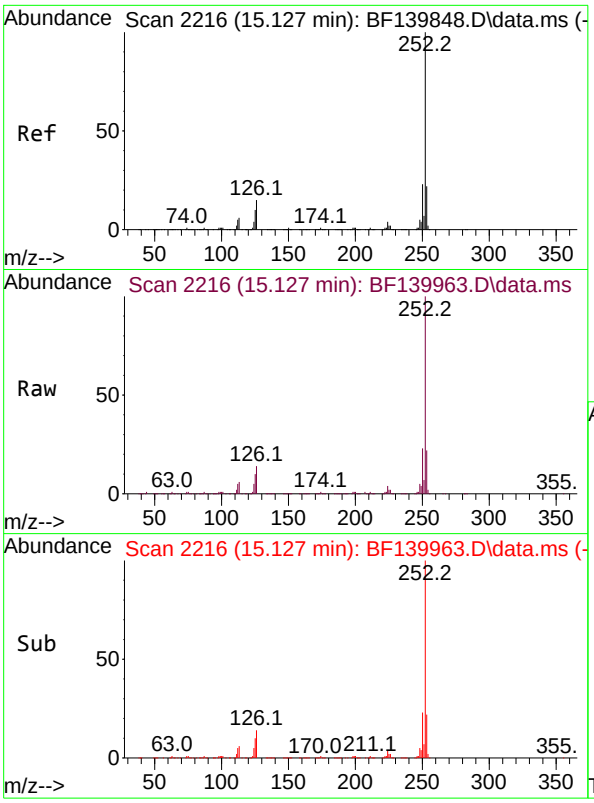


#88
Benzo(b)fluoranthene
Concen: 44.891 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:252 Resp: 950470

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.8	7.9	11.9

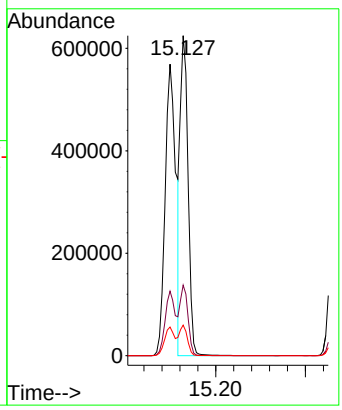




#89
Benzo(k)fluoranthene
Concen: 41.459 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:252 Resp: 75704

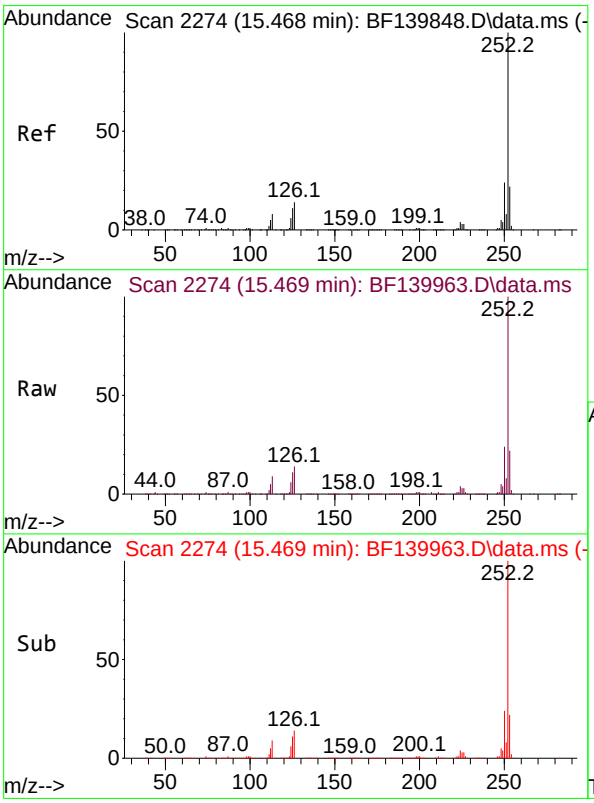
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.5	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

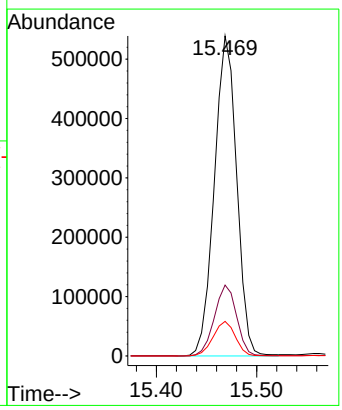
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

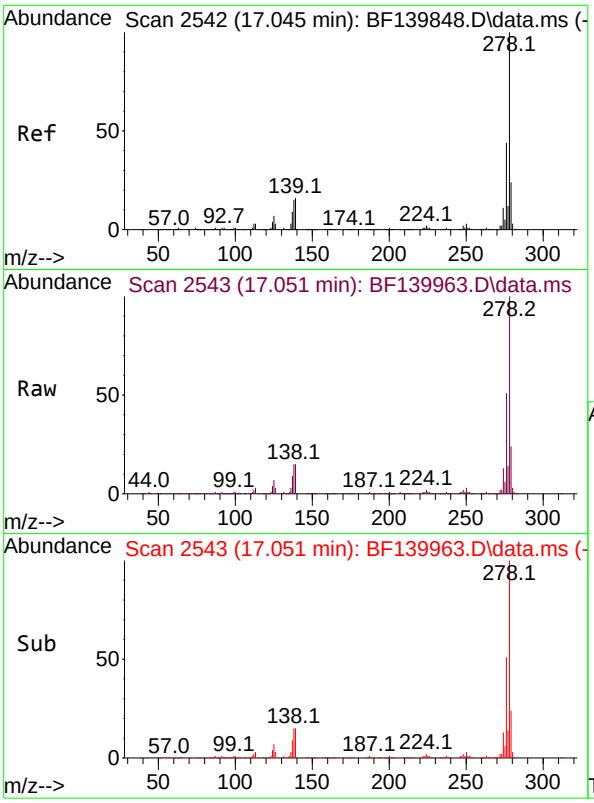


#90
Benzo(a)pyrene
Concen: 47.813 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:252 Resp: 832975

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	10.8	8.7	13.1

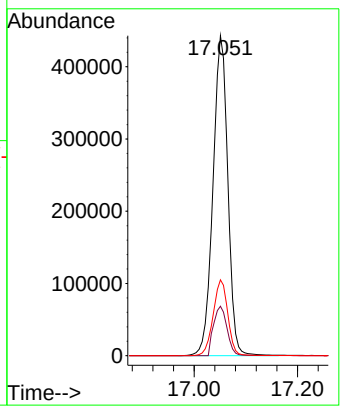




#91
Dibenzo(a,h)anthracene
Concen: 47.444 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:278 Resp: 88500

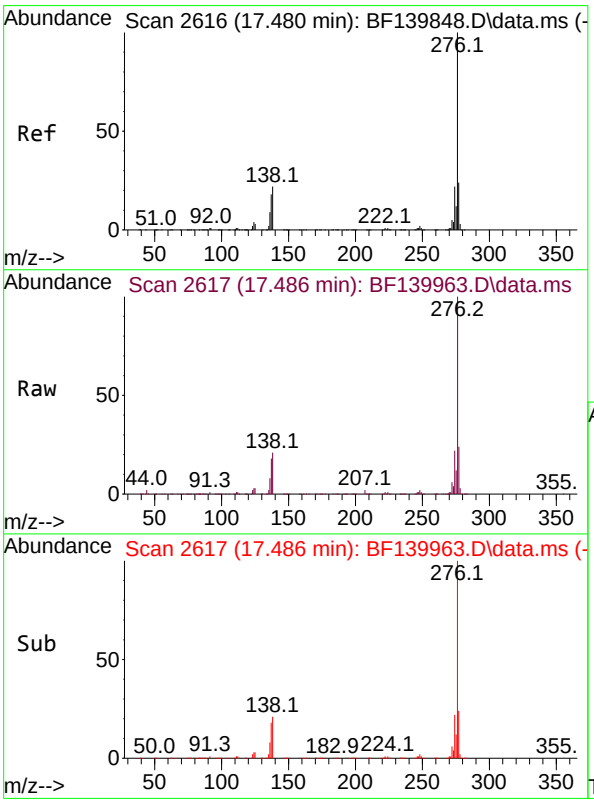
Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.1	19.7
279	23.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations
APPROVED

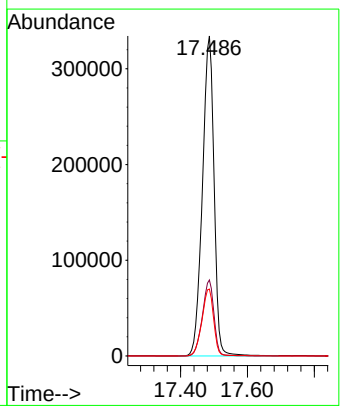
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#92
Benzo(g,h,i)perylene
Concen: 43.441 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF139963.D
Acq: 23 Oct 2024 14:33

Tgt Ion:276 Resp: 809408

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.9	17.4	26.0



Raw Data: **BM048237.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BS	SDG No.:	P4460
Lab Sample ID:	PB164369BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048237.D	1	10/23/24 09:50	10/25/24 15:42	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	13.7		4.00	10.0	ug/L
108-95-2	Phenol	47.8		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.2		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	48.4		0.71	5.00	ug/L
95-48-7	2-Methylphenol	46.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.2		1.40	5.00	ug/L
98-86-2	Acetophenone	48.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.0		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.9		1.50	2.50	ug/L
67-72-1	Hexachloroethane	46.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	47.7		1.30	5.00	ug/L
78-59-1	Isophorone	47.0		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	49.3		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	59.6		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.0		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.9		0.88	5.00	ug/L
91-20-3	Naphthalene	47.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.6		1.30	5.00	ug/L
105-60-2	Caprolactam	39.4		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.2		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.0		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	210	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.3		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.0		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	50.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	49.5		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.8		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	47.2		0.93	5.00	ug/L

Raw Data: **BM048237.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BS	SDG No.:	P4460
Lab Sample ID:	PB164369BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048237.D	1	10/23/24 09:50	10/25/24 15:42	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	52.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	29.9		1.40	5.00	ug/L
83-32-9	Acenaphthene	49.6		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	93.4	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	94.8	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	48.6		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.7		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.1		0.98	5.00	ug/L
86-73-7	Fluorene	47.0		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	44.9		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	53.1		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.6		1.10	5.00	ug/L
1912-24-9	Atrazine	63.7		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	97.9	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	50.8		0.89	5.00	ug/L
120-12-7	Anthracene	53.8		1.10	5.00	ug/L
86-74-8	Carbazole	48.9		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.2		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.4		1.30	5.00	ug/L
129-00-0	Pyrene	50.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	37.3		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	50.3		0.94	5.00	ug/L
218-01-9	Chrysene	50.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	49.4		1.10	5.00	ug/L

Raw Data: **BM048237.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BS	SDG No.:	P4460
Lab Sample ID:	PB164369BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048237.D	1	10/23/24 09:50	10/25/24 15:42	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	51.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.0		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.4		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.5		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	52.0		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	43.3		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	131		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.0		30 (52) - 130 (132)	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	103		30 (48) - 130 (125)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	199000	7.716			
1146-65-2	Naphthalene-d8	731000	10.51			
15067-26-2	Acenaphthene-d10	399000	14.363			
1517-22-2	Phenanthrene-d10	713000	17.104			
1719-03-5	Chrysene-d12	616000	21.333			
1520-96-3	Perylene-d12	709000	24.28			

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: **BM048237.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048237.D
Acq On : 25 Oct 2024 15:42
Operator : RC/JU
Sample : PB164369BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Quant Time: Oct 25 16:15:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.716	152	198559	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	731104	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	398895	20.000	ng		0.00
64) Phenanthrene-d10	17.104	188	712540	20.000	ng		0.00
76) Chrysene-d12	21.333	240	616038	20.000	ng		0.00
86) Perylene-d12	24.280	264	708876	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.305	112	1703567	144.219	ng		0.00
7) Phenol-d6	6.899	99	2007808	130.517	ng		0.00
23) Nitrobenzene-d5	8.875	82	1249240	96.478	ng		0.00
42) 2,4,6-Tribromophenol	15.851	330	648289	132.778	ng		0.00
45) 2-Fluorobiphenyl	12.981	172	2572793	98.972	ng		0.00
79) Terphenyl-d14	19.727	244	3098083	102.629	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	209292	43.285	ng		99
3) Pyridine	3.605	79	543769	42.335	ng		99
4) n-Nitrosodimethylamine	3.511	42	273166	50.089	ng		99
6) Aniline	7.046	93	598377	46.860	ng		99
8) 2-Chlorophenol	7.287	128	621166	48.403	ng		99
9) Benzaldehyde	6.863	77	103315	13.670	ng		99
10) Phenol	6.928	94	739044	47.750	ng		100
11) bis(2-Chloroethyl)ether	7.146	93	594723	48.242	ng		99
12) 1,3-Dichlorobenzene	7.604	146	692926	46.834	ng		100
13) 1,4-Dichlorobenzene	7.752	146	703218	46.784	ng		98
14) 1,2-Dichlorobenzene	8.069	146	675931	46.530	ng		99
15) Benzyl Alcohol	7.963	79	489064	49.832	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.240	45	887225	49.204	ng		98
17) 2-Methylphenol	8.169	107	478037	46.481	ng		99
18) Hexachloroethane	8.793	117	258158	46.860	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	427366	43.912	ng		99
20) 3+4-Methylphenols	8.498	107	640983	44.991	ng		100
22) Acetophenone	8.540	105	865677	48.516	ng		99
24) Nitrobenzene	8.916	77	639420	47.661	ng		99
25) Isophorone	9.445	82	1114649	46.963	ng		100
26) 2-Nitrophenol	9.628	139	305570	49.329	ng		96
27) 2,4-Dimethylphenol	9.693	122	448080	59.622	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	720808	47.993	ng		99
29) 2,4-Dichlorophenol	10.163	162	529197	48.948	ng		98
30) 1,2,4-Trichlorobenzene	10.375	180	576417	46.553	ng		99
31) Naphthalene	10.557	128	1791362	46.979	ng		99
32) Benzoic acid	9.851	122	340001	40.643	ng		98
33) 4-Chloroaniline	10.675	127	244821	19.796	ng		99
34) Hexachlorobutadiene	10.845	225	365600	47.641	ng		98
35) Caprolactam	11.469	113	138443	39.421	ng		96
36) 4-Chloro-3-methylphenol	11.810	107	498365	44.158	ng		98
37) 2-Methylnaphthalene	12.175	142	1173125	46.047	ng		99
38) 1-Methylnaphthalene	12.392	142	1084221	42.917	ng		98
40) 1,2,4,5-Tetrachloroben...	12.551	216	592472	51.965	ng	#	98
41) Hexachlorocyclopentadiene	12.528	237	817728	211.949	ng		98
43) 2,4,6-Trichlorophenol	12.792	196	388315	51.322	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048237.D
Acq On : 25 Oct 2024 15:42
Operator : RC/JU
Sample : PB164369BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Quant Time: Oct 25 16:15:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

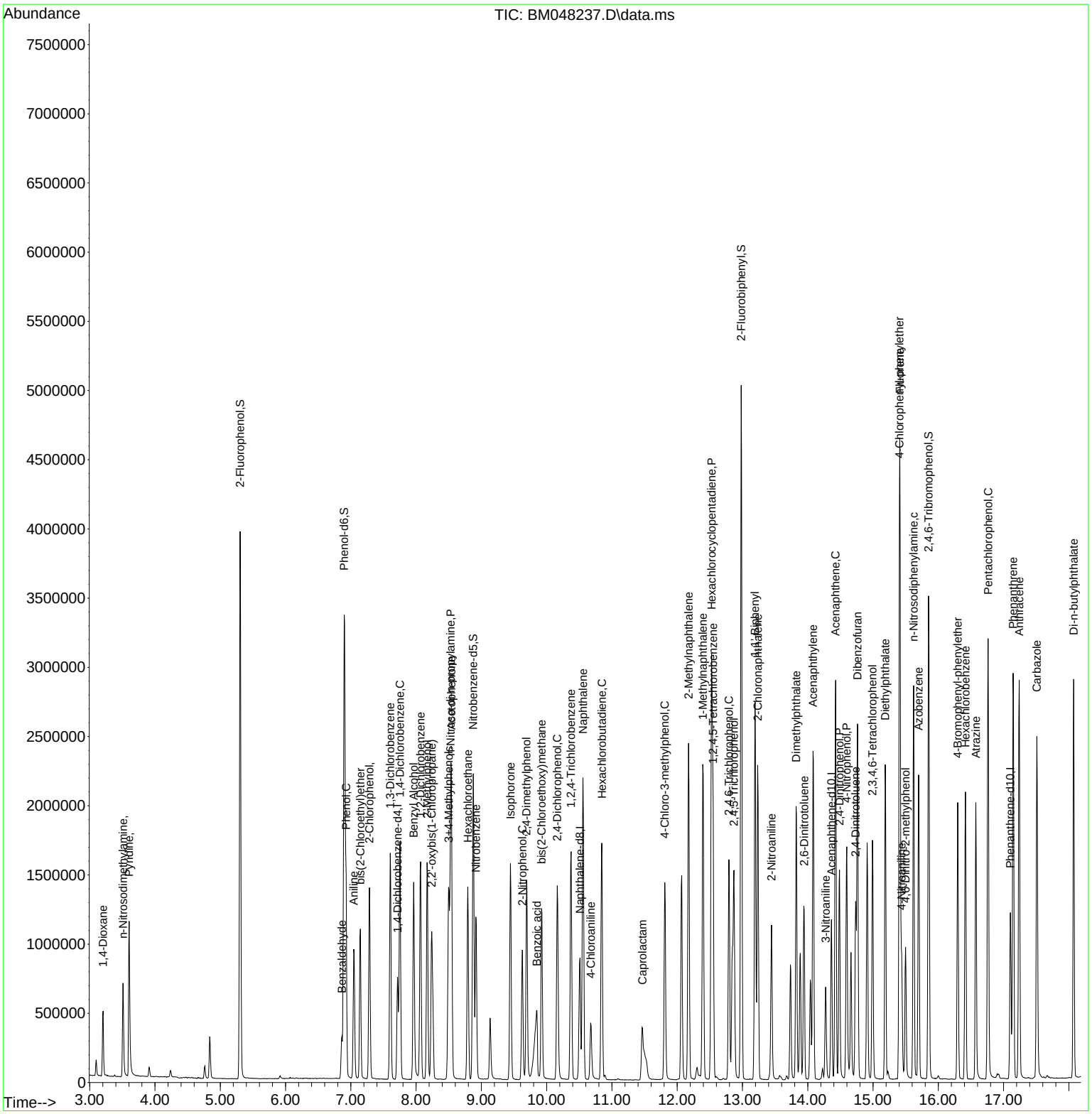
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	413494	49.007	ng	99
46) 1,1'-Biphenyl	13.192	154	1438193	50.499	ng	100
47) 2-Chloronaphthalene	13.233	162	1111001	49.475	ng	99
48) 2-Nitroaniline	13.445	65	303080	49.763	ng	97
49) Acenaphthylene	14.081	152	1713262	52.295	ng	99
50) Dimethylphthalate	13.822	163	1284546	47.172	ng	99
51) 2,6-Dinitrotoluene	13.945	165	275953	45.417	ng	98
52) Acenaphthene	14.428	154	1032626	49.606	ng	99
53) 3-Nitroaniline	14.275	138	171183	29.874	ng	99
54) 2,4-Dinitrophenol	14.486	184	331785	93.445	ng	97
55) Dibenzofuran	14.763	168	1607974	48.620	ng	99
56) 4-Nitrophenol	14.598	139	484899	94.818	ng	98
57) 2,4-Dinitrotoluene	14.733	165	366700	45.702	ng	99
58) Fluorene	15.410	166	1229017	46.996	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	337906	48.317	ng	99
60) Diethylphthalate	15.186	149	1248532	45.284	ng	100
61) 4-Chlorophenyl-phenyle...	15.404	204	615954	47.106	ng	98
62) 4-Nitroaniline	15.439	138	266271	44.901	ng	98
63) Azobenzene	15.698	77	1217591	49.273	ng	100
65) 4,6-Dinitro-2-methylph...	15.498	198	207072	50.087	ng	99
66) n-Nitrosodiphenylamine	15.622	169	1038366	53.085	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	370969	51.351	ng	99
68) Hexachlorobenzene	16.416	284	430167	49.577	ng	100
69) Atrazine	16.574	200	348529	63.680	ng	98
70) Pentachlorophenol	16.763	266	557690	97.899	ng	99
71) Phenanthrene	17.145	178	1792677	50.808	ng	100
72) Anthracene	17.239	178	1835874	53.751	ng	100
73) Carbazole	17.510	167	1638769	48.943	ng	100
74) Di-n-butylphthalate	18.074	149	2010401	48.238	ng	100
75) Fluoranthene	19.163	202	1950971	46.354	ng	100
77) Benzidine	19.351	184	693232	97.505	ng	99
78) Pyrene	19.527	202	2076321	50.355	ng	99
80) Butylbenzylphthalate	20.427	149	854251	49.543	ng	99
81) Benzo(a)anthracene	21.315	228	1980643	50.313	ng	100
82) 3,3'-Dichlorobenzidine	21.239	252	503215	37.319	ng	100
83) Chrysene	21.374	228	1889892	50.015	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	1263594	50.421	ng	99
85) Di-n-octyl phthalate	22.351	149	2149398	49.521	ng	100
87) Indeno(1,2,3-cd)pyrene	27.609	276	2611543	55.712	ng	100
88) Benzo(b)fluoranthene	23.350	252	2008564	49.418	ng	100
89) Benzo(k)fluoranthene	23.409	252	2035238	51.792	ng	99
90) Benzo(a)pyrene	24.145	252	1941733	54.952	ng	99
91) Dibenzo(a,h)anthracene	27.650	278	2162109	55.388	ng	100
92) Benzo(g,h,i)perylene	28.644	276	2018651	50.501	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048237.D
Acq On : 25 Oct 2024 15:42
Operator : RC/JU
Sample : PB164369BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BS

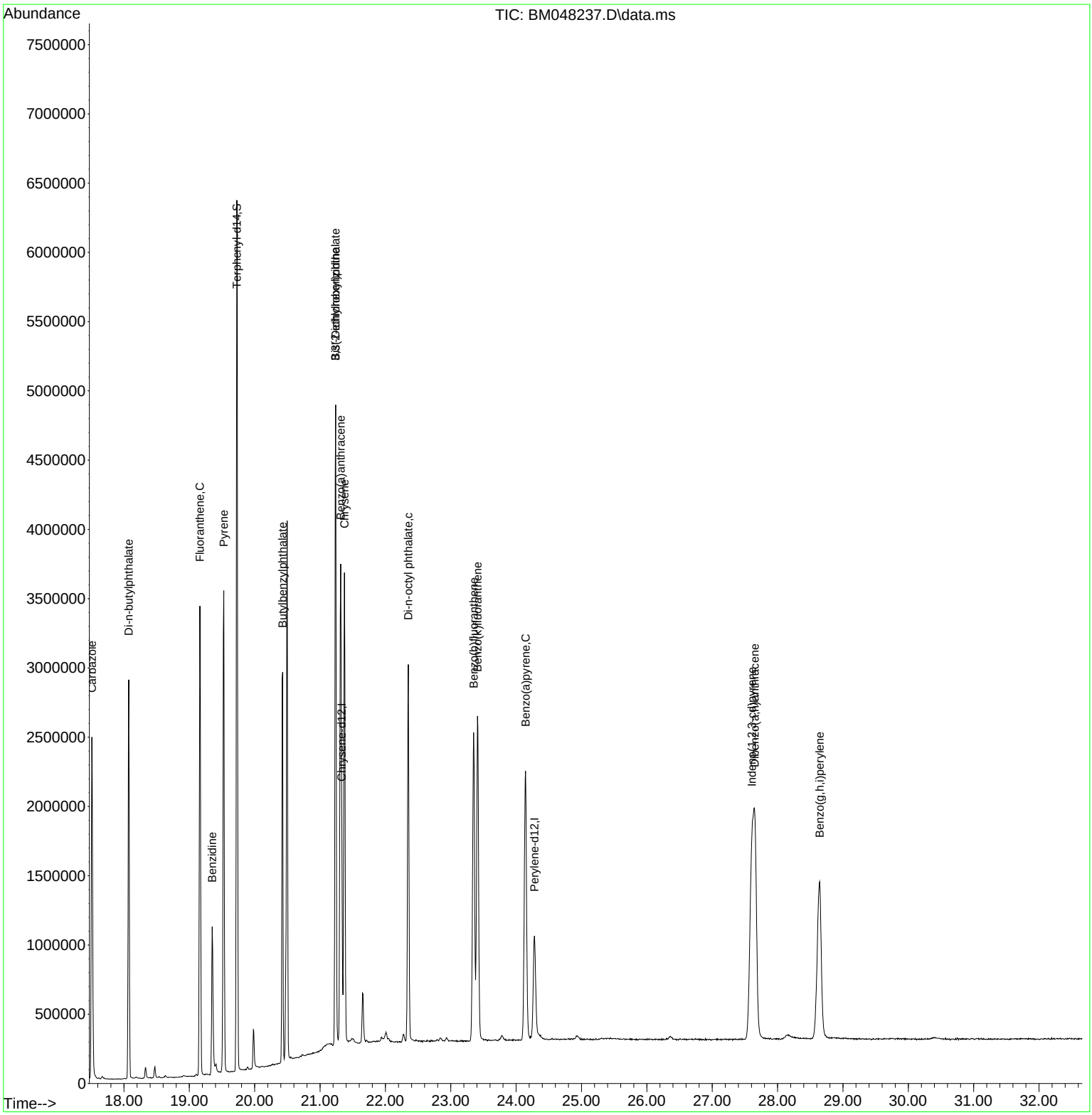
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

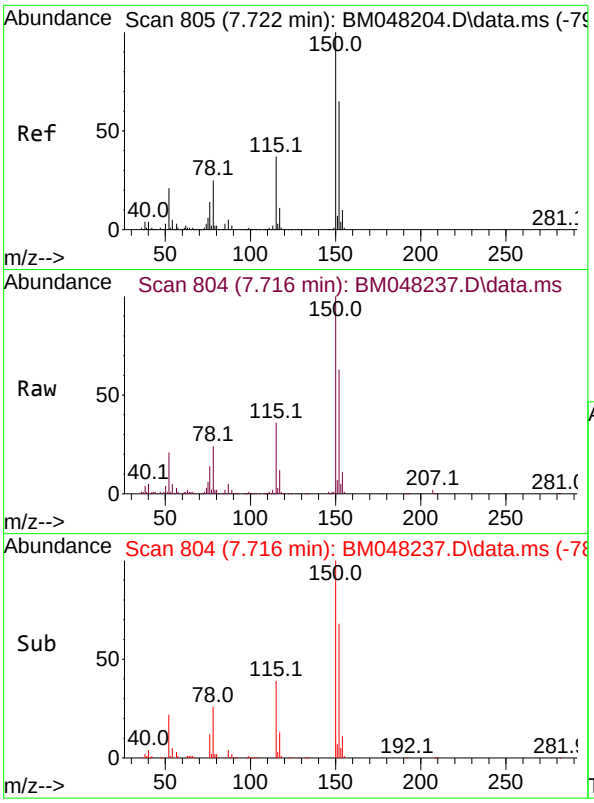


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ALS Vial : 11 Sample Multiplier: 1

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PB164369BS

Quant Time: Oct 25 16:15:48 2024
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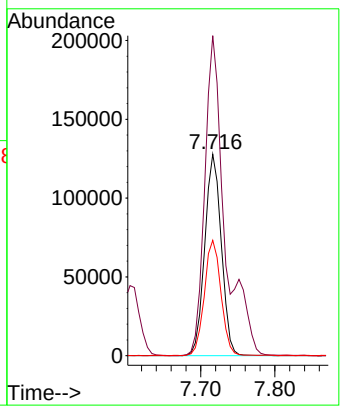


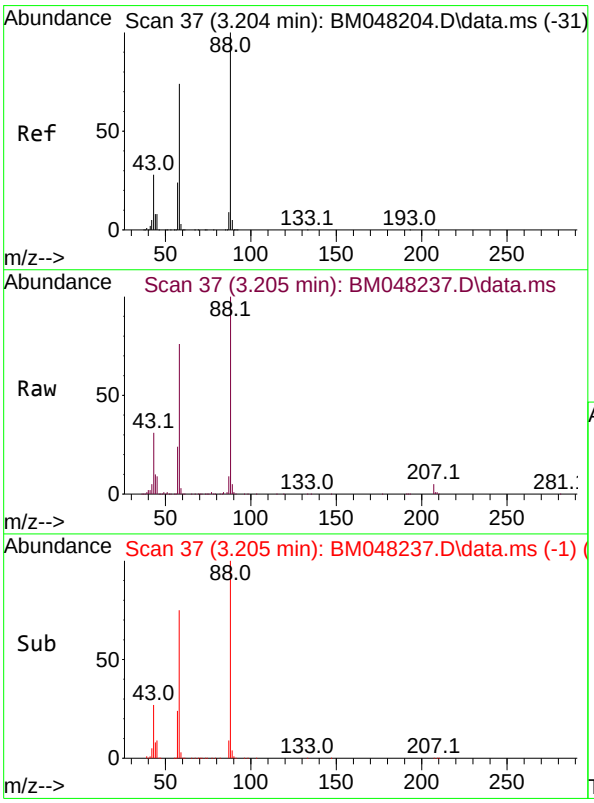
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:152 Resp: 198559

Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.0	184.6
115	57.2	45.8	68.6

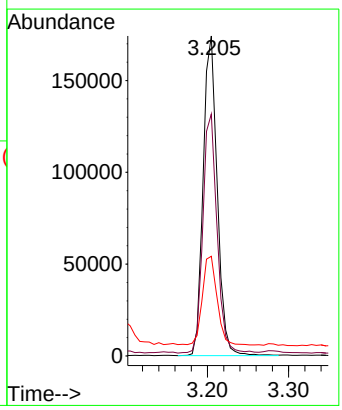


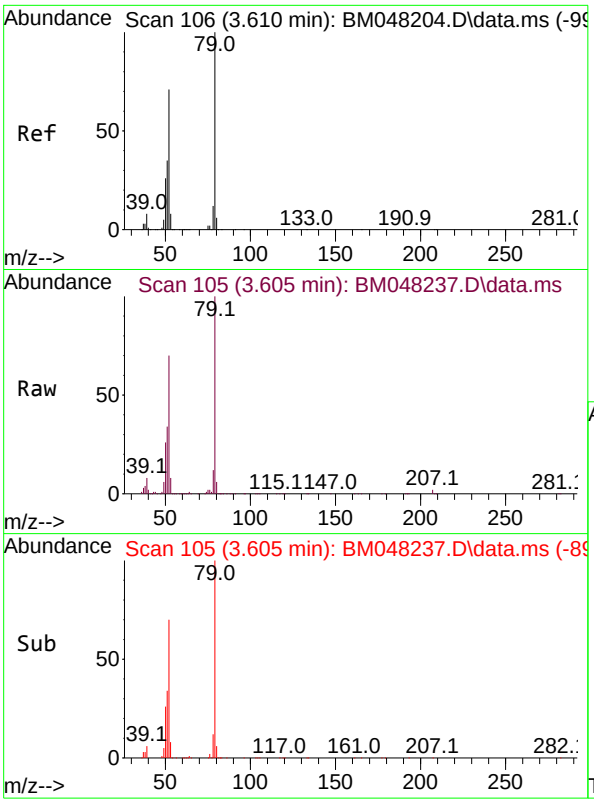


#2
1,4-Dioxane
Concen: 43.285 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 88 Resp: 209292

Ion	Ratio	Lower	Upper
88	100		
58	75.1	59.7	89.5
43	28.7	22.6	33.8



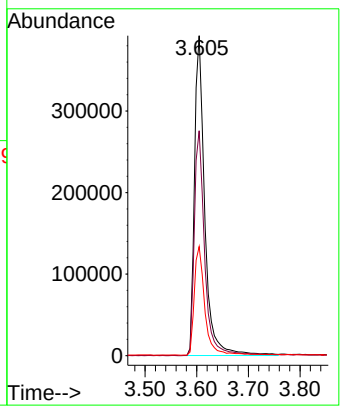


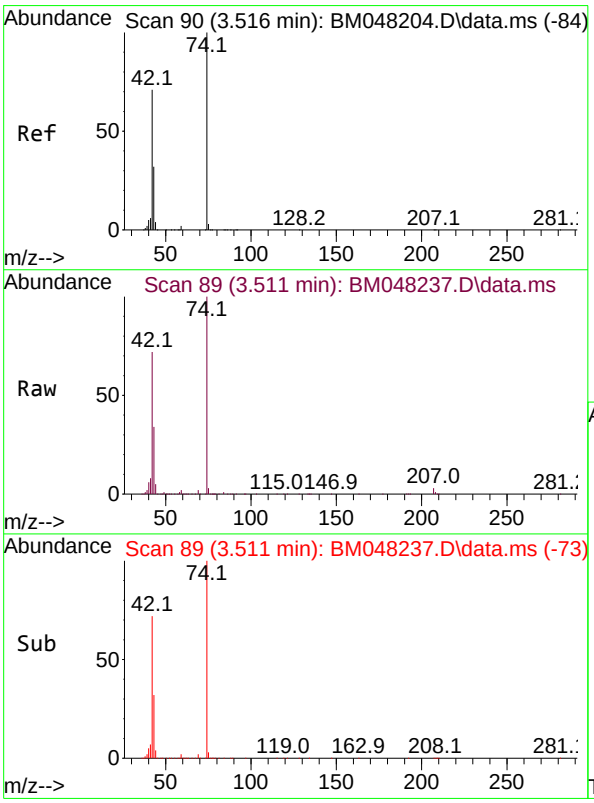
#3
Pyridine
Concen: 42.335 ng
RT: 3.605 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 79 Resp: 543769

Ion	Ratio	Lower	Upper
79	100		
52	70.3	56.5	84.7
51	34.1	28.5	42.7

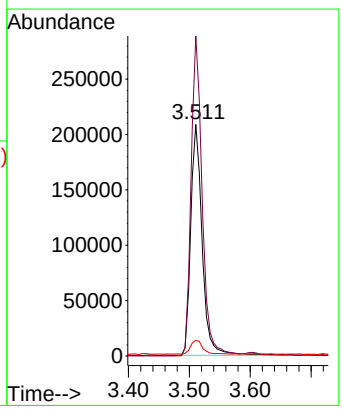


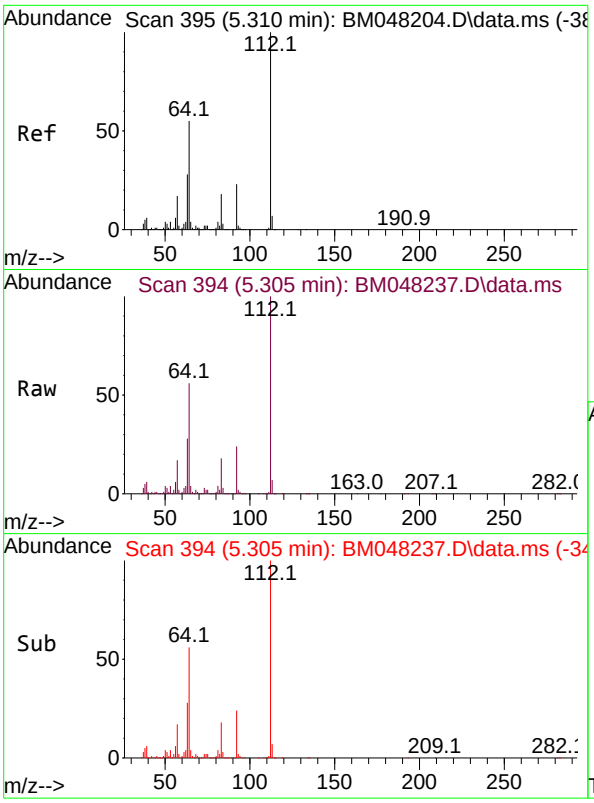


#4
n-Nitrosodimethylamine
Concen: 50.089 ng
RT: 3.511 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 42 Resp: 273166

Ion	Ratio	Lower	Upper
42	100		
74	138.2	111.8	167.6
44	6.8	6.0	9.0



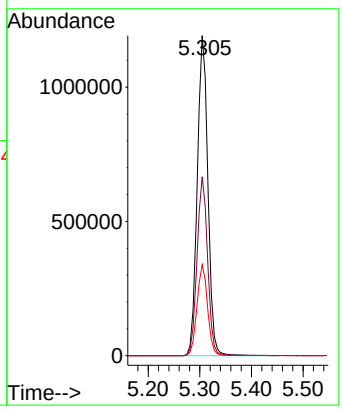


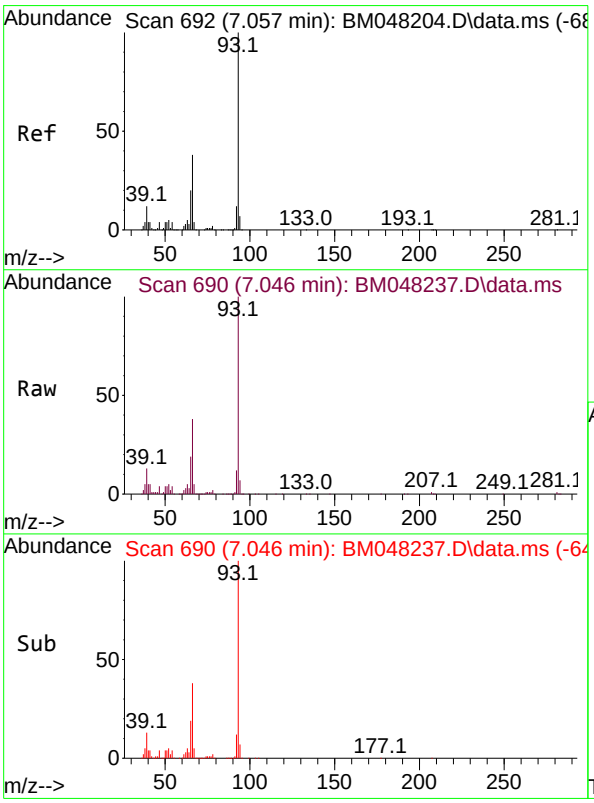
#5
2-Fluorophenol
Concen: 144.219 ng
RT: 5.305 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:112 Resp: 1703567

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.2	66.2
63	28.4	22.7	34.1

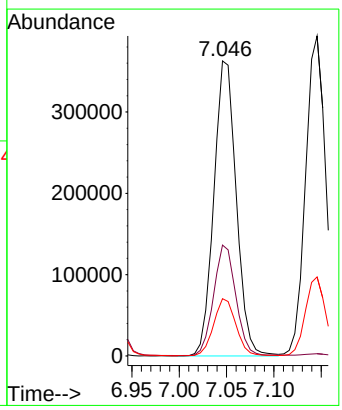


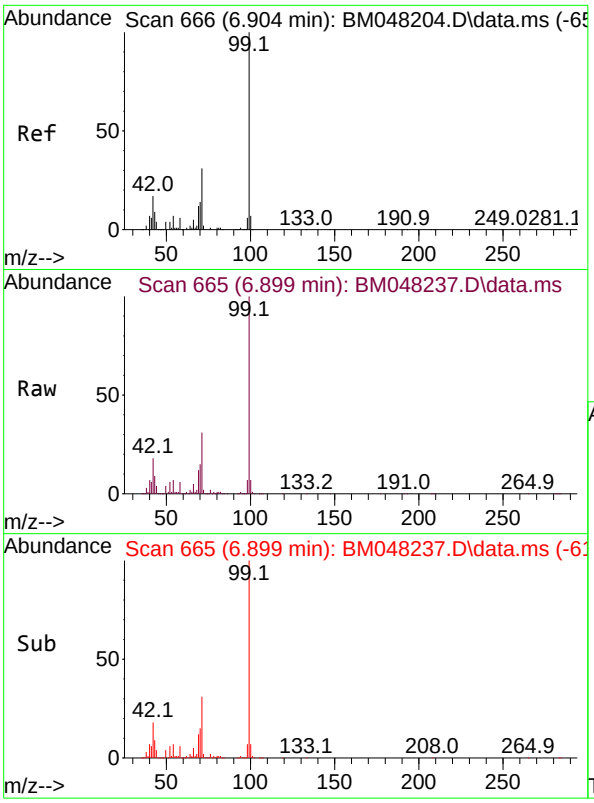


#6
Aniline
Concen: 46.860 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 93 Resp: 598377

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.4	16.2	24.2



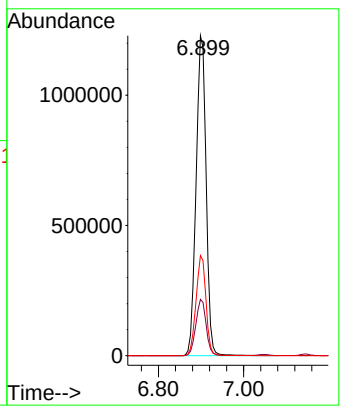


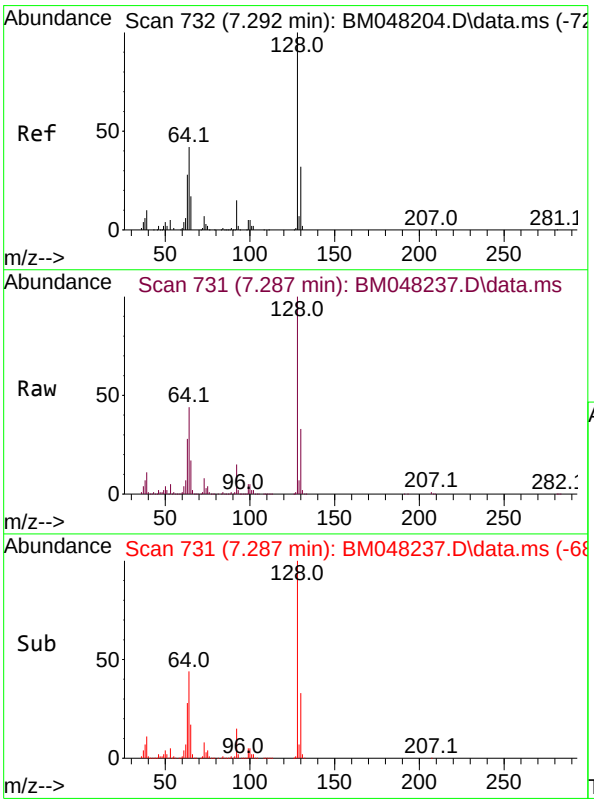
#7
Phenol-d6
Concen: 130.517 ng
RT: 6.899 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 99 Resp: 2007808

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.8	20.8
71	31.3	24.9	37.3

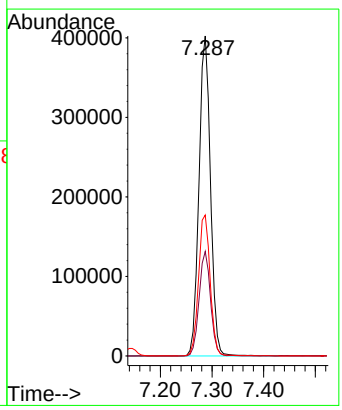


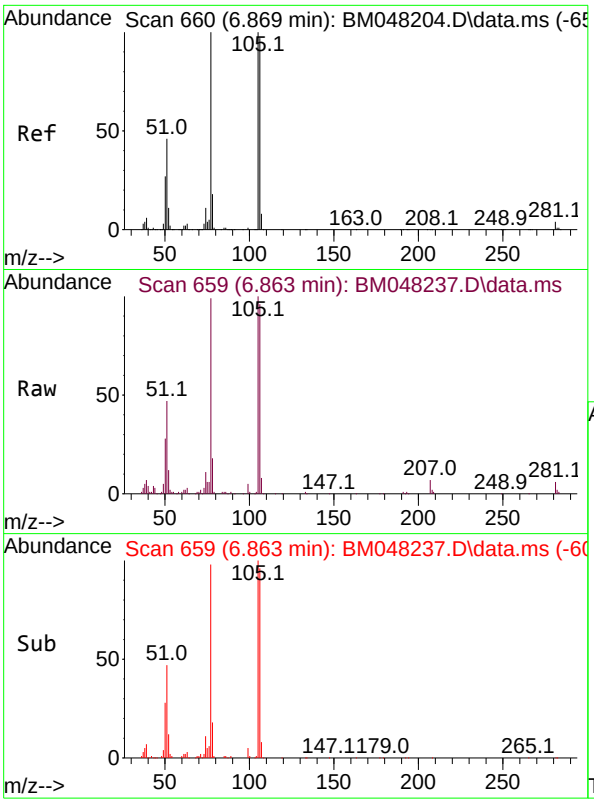


#8
2-Chlorophenol
Concen: 48.403 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:128 Resp: 621166

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.1	52.1
64	44.1	23.8	63.8



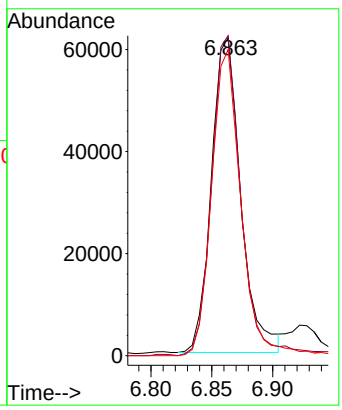


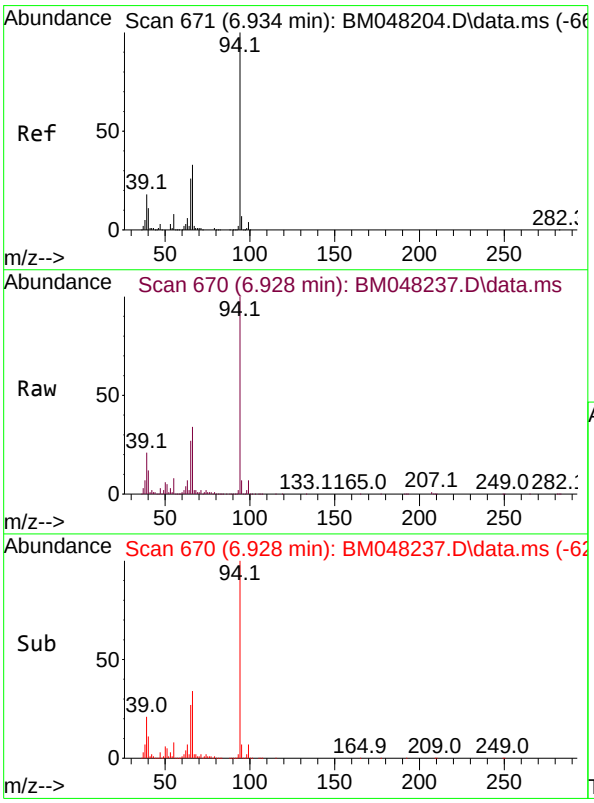
#9
Benzaldehyde
Concen: 13.670 ng
RT: 6.863 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 77 Resp: 103315

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.6	119.6
106	96.3	77.0	117.0

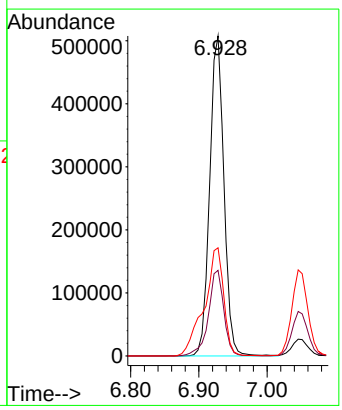


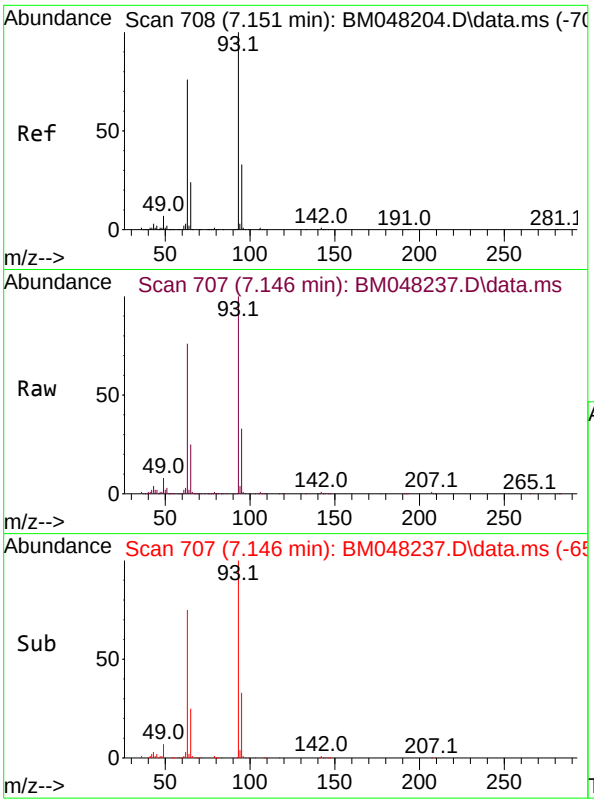


#10
Phenol
Concen: 47.750 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 94 Resp: 739044

Ion	Ratio	Lower	Upper
94	100		
65	26.7	6.5	46.5
66	33.8	13.6	53.6



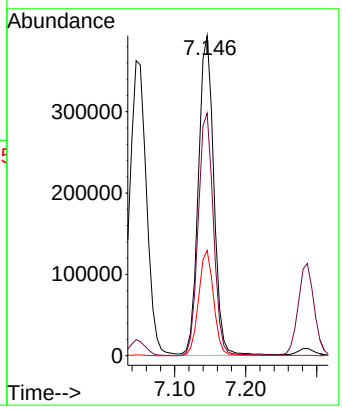


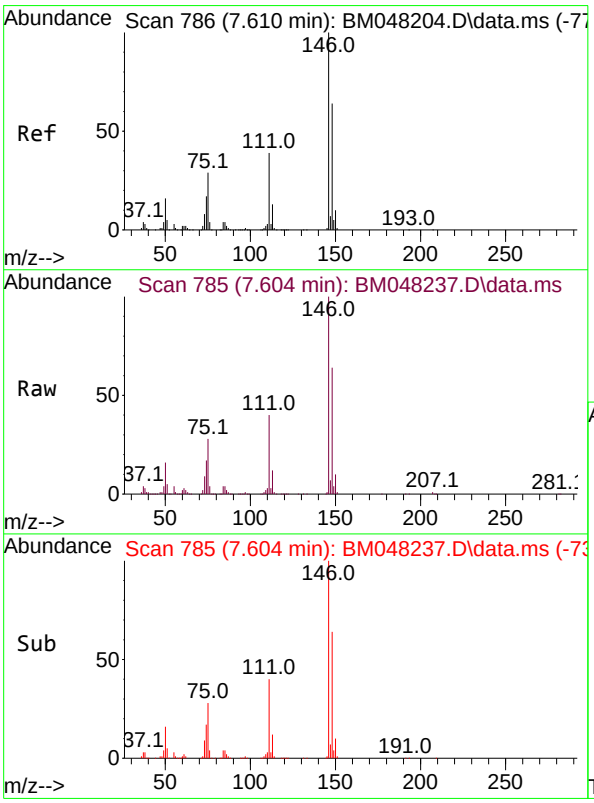
#11
bis(2-Chloroethyl)ether
Concen: 48.242 ng
RT: 7.146 min Scan# 7(
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 93 Resp: 594723

Ion	Ratio	Lower	Upper
93	100		
63	75.7	55.3	95.3
95	32.9	12.4	52.4

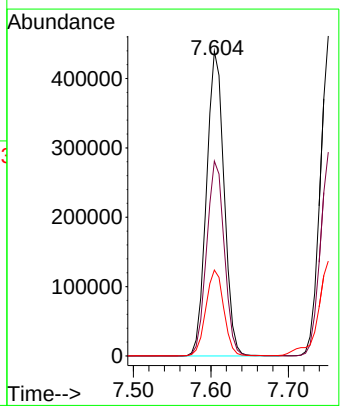


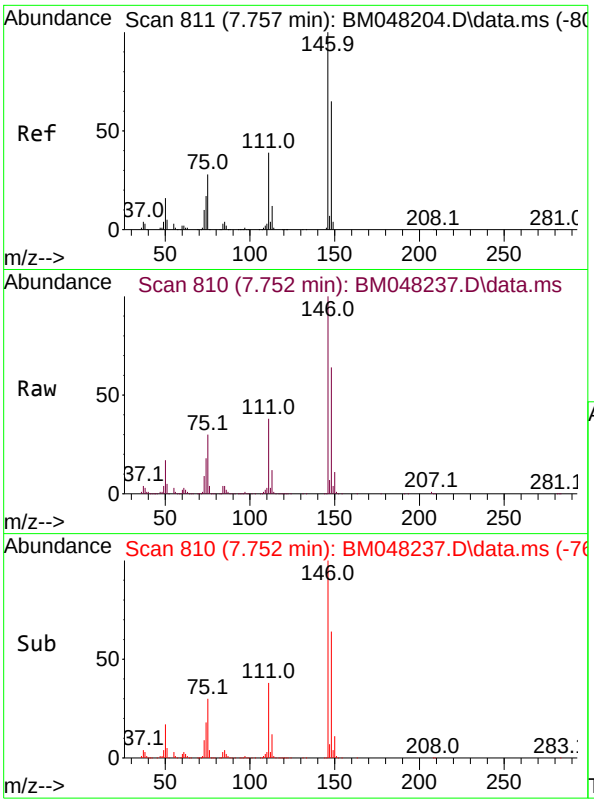


#12
1,3-Dichlorobenzene
Concen: 46.834 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:146 Resp: 692926

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
75	28.1	22.9	34.3



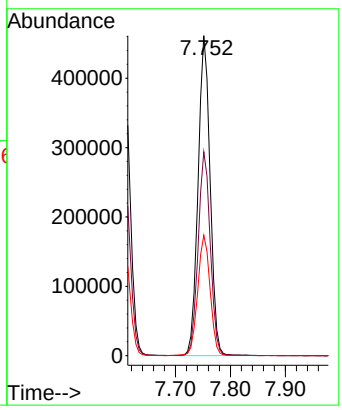


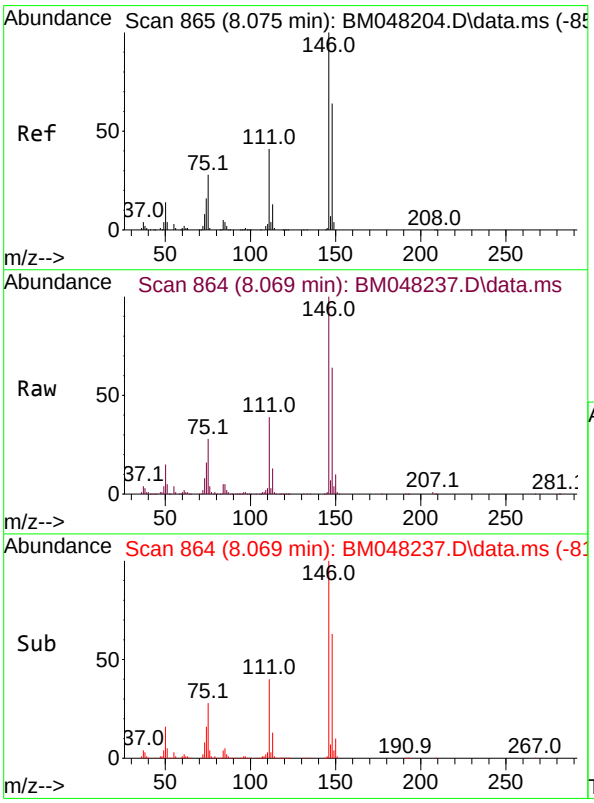
#13
1,4-Dichlorobenzene
Concen: 46.784 ng
RT: 7.752 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:146 Resp: 703218

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.7	77.5
111	37.7	31.4	47.2

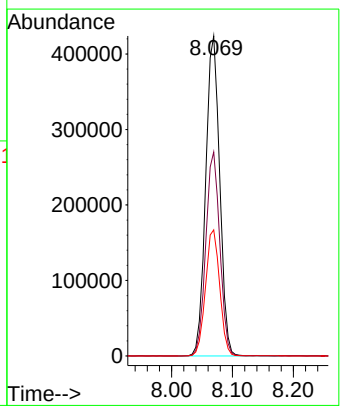


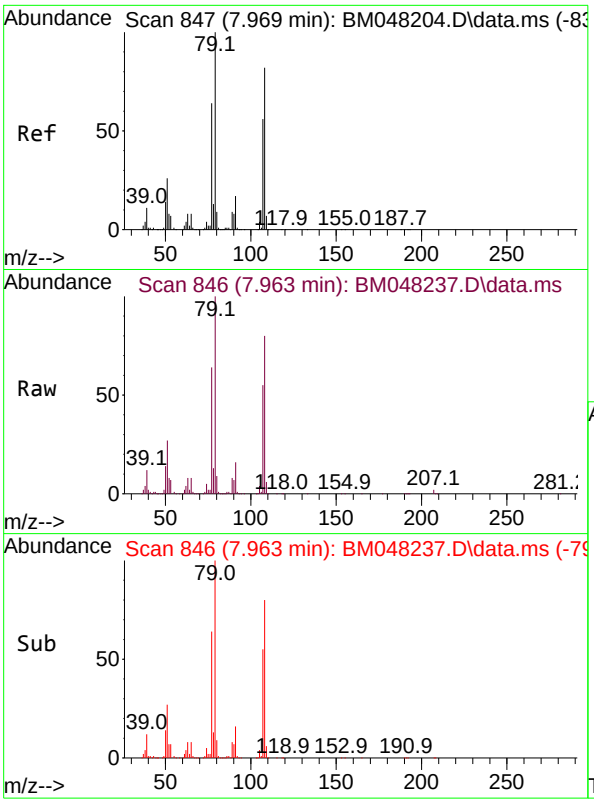


#14
1,2-Dichlorobenzene
Concen: 46.530 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:146 Resp: 675931

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.3	76.9
111	39.4	32.7	49.1



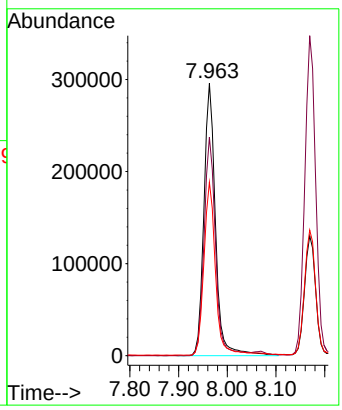


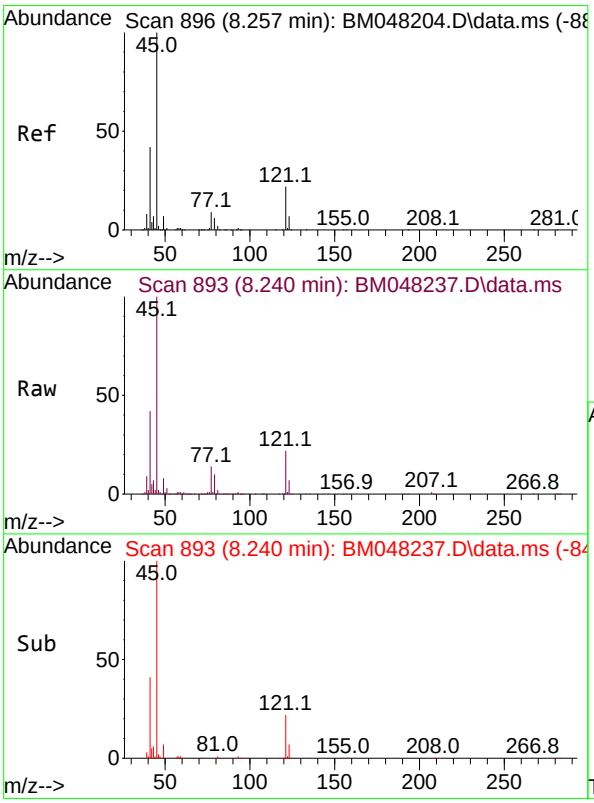
#15
Benzyl Alcohol
Concen: 49.832 ng
RT: 7.963 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 79 Resp: 489064

Ion	Ratio	Lower	Upper
79	100		
108	80.3	65.2	97.8
77	63.7	51.4	77.2

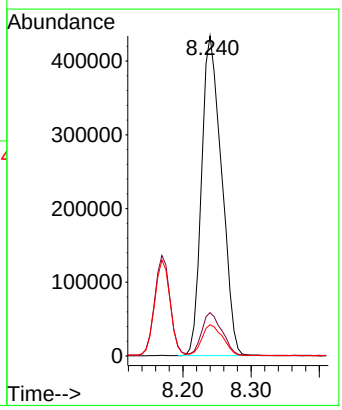


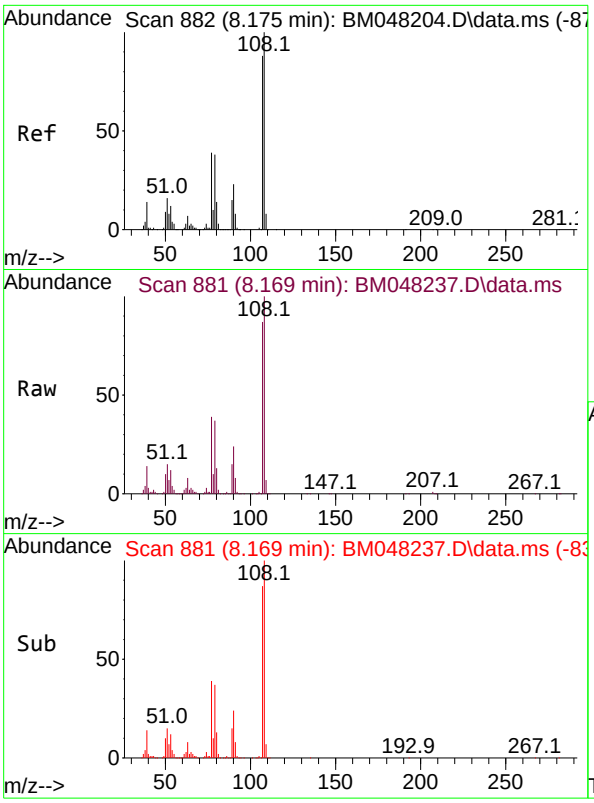


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.204 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 45 Resp: 887225

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	34.2
79	9.8	0.0	30.7



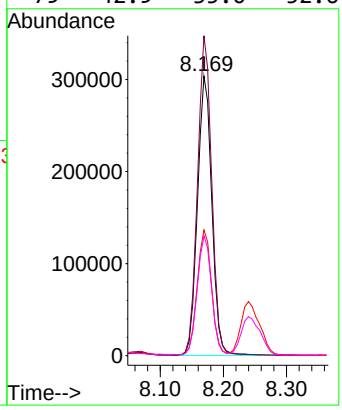


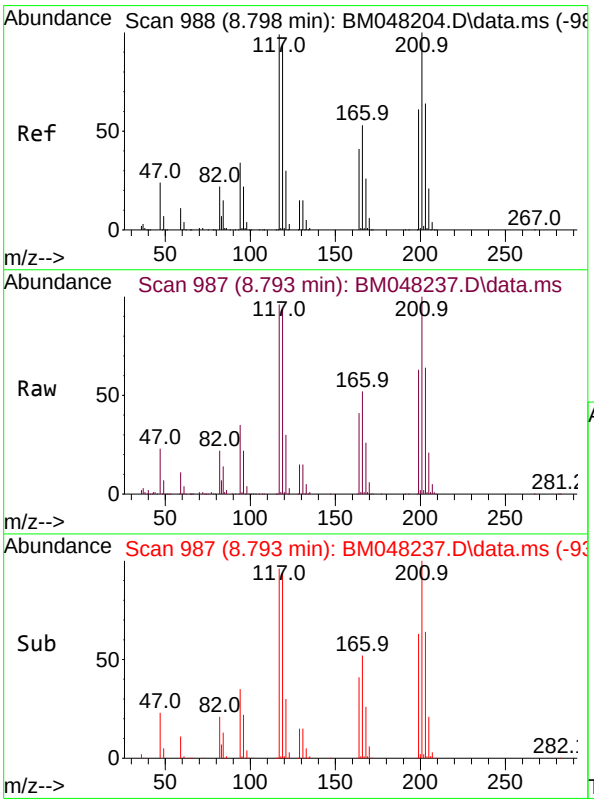
#17
2-Methylphenol
Concen: 46.481 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:107 Resp: 478037

Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.3	136.9
77	44.9	36.2	54.2
79	42.9	35.0	52.6

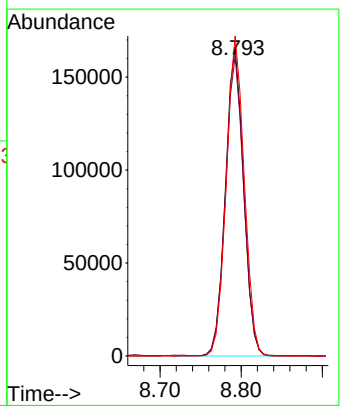


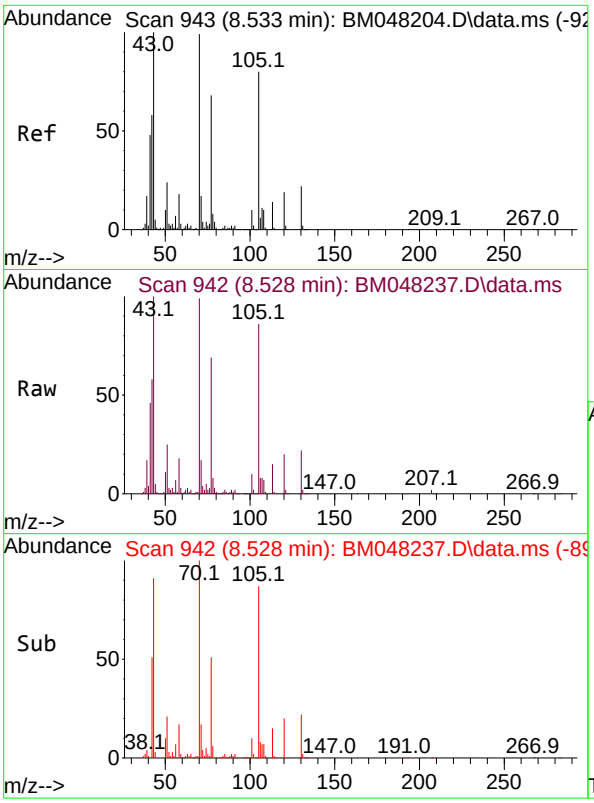


#18
Hexachloroethane
Concen: 46.860 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:117 Resp: 258158

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
201	103.7	80.9	121.3



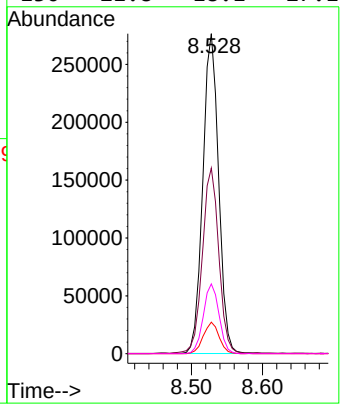


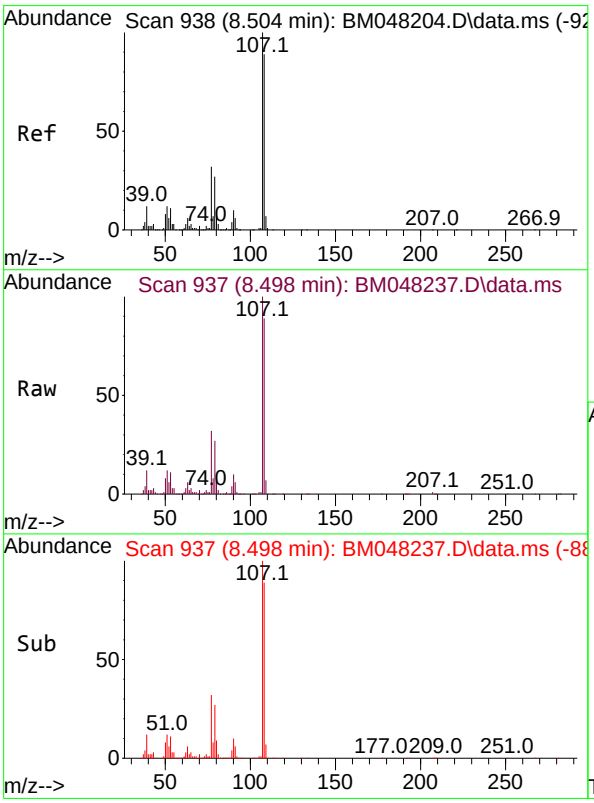
#19
n-Nitroso-di-n-propylamine
Concen: 43.912 ng
RT: 8.528 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 70 Resp: 427366

Ion	Ratio	Lower	Upper
70	100		
42	58.0	47.0	70.6
101	9.8	7.8	11.6
130	21.8	18.1	27.1

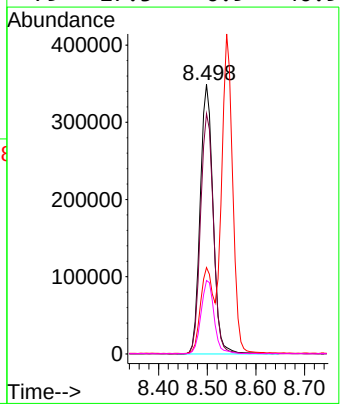


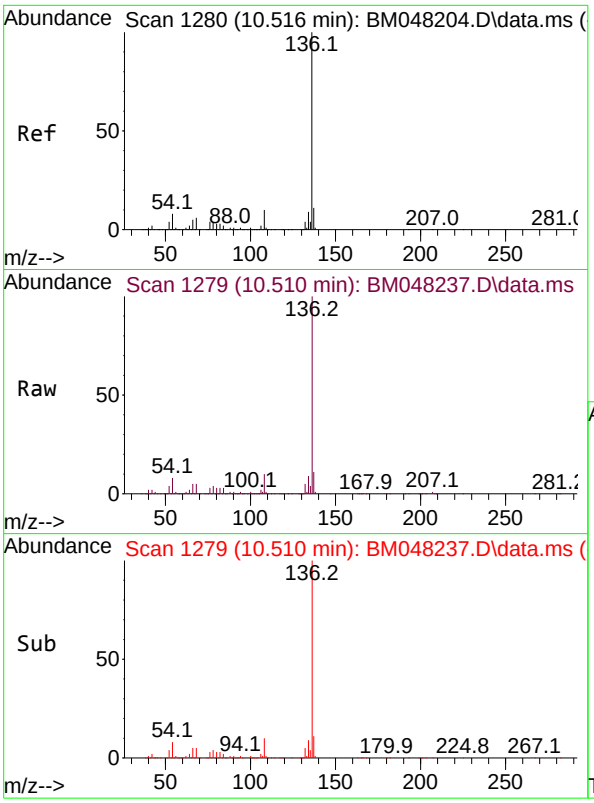


#20
3+4-Methylphenols
Concen: 44.991 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:107 Resp: 640983

Ion	Ratio	Lower	Upper
107	100		
108	89.2	69.0	109.0
77	32.0	12.3	52.3
79	27.3	6.9	46.9



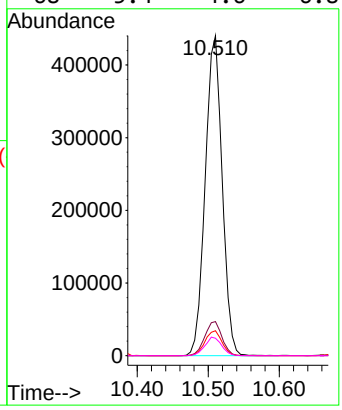


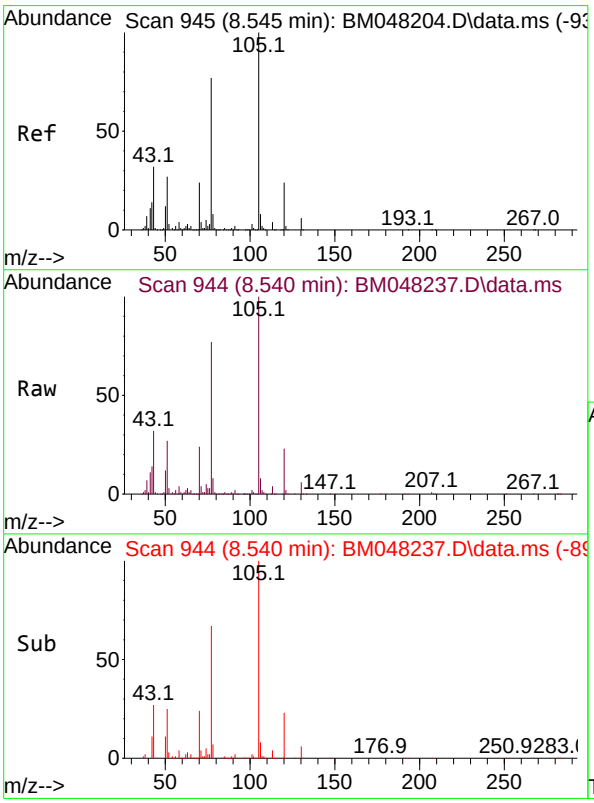
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:136 Resp: 731104

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.5	9.7
68	5.4	4.6	6.8

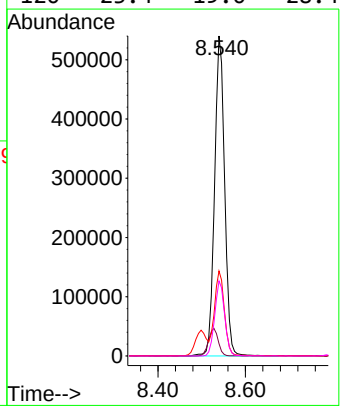


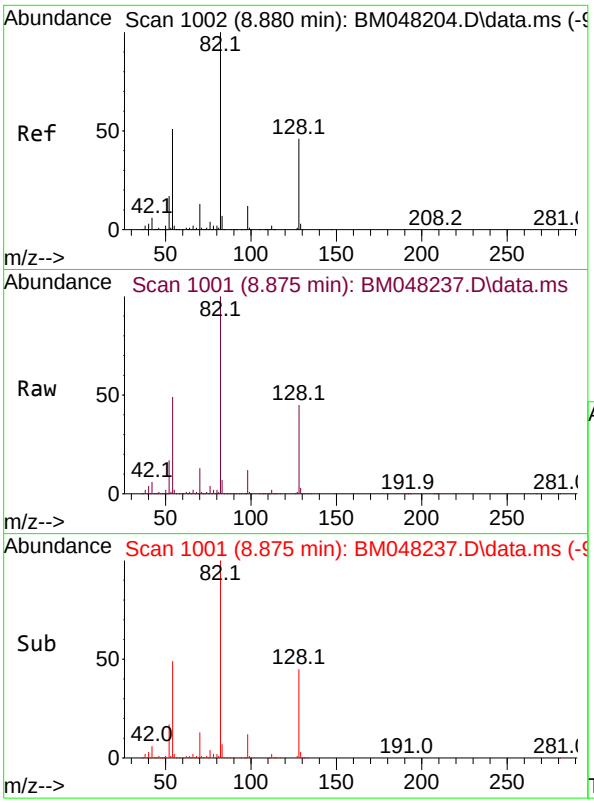


#22
Acetophenone
Concen: 48.516 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:105 Resp: 865677

Ion	Ratio	Lower	Upper
105	100		
71	3.9	3.4	5.0
51	26.6	21.7	32.5
120	23.4	19.0	28.4



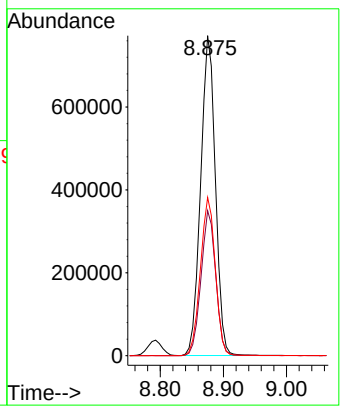


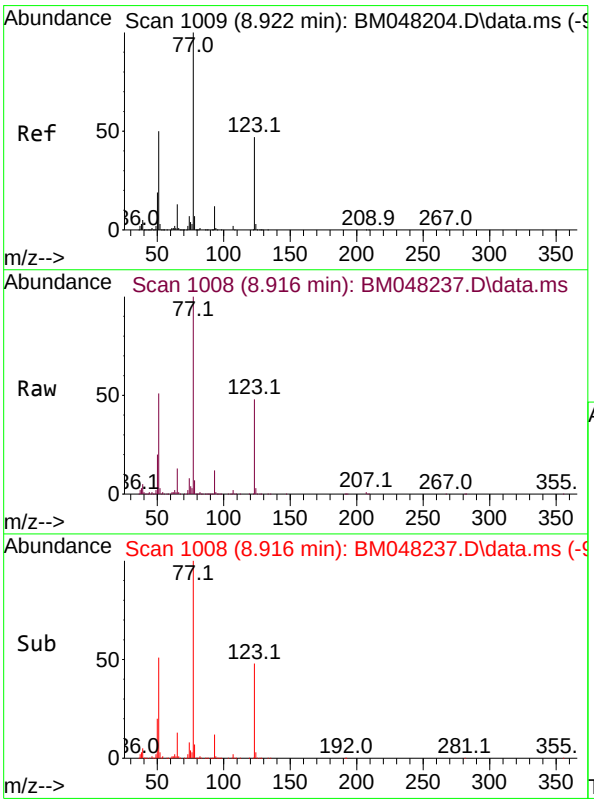
#23
Nitrobenzene-d5
Concen: 96.478 ng
RT: 8.875 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 82 Resp: 1249240

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.6	54.8
54	49.5	41.0	61.4

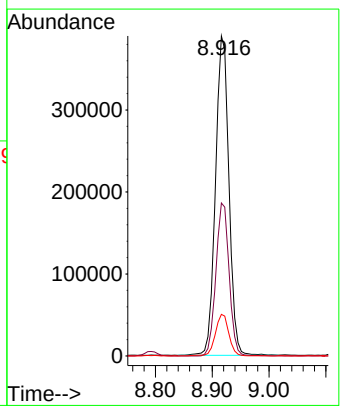


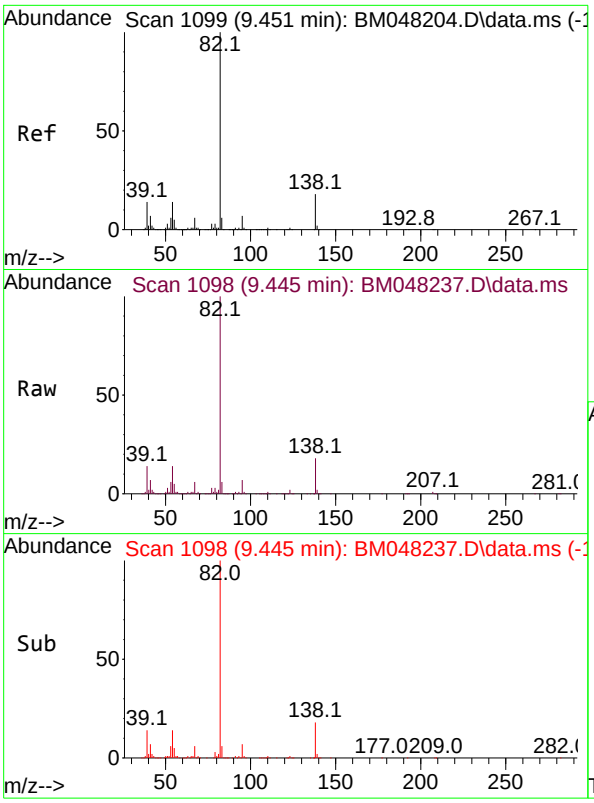


#24
Nitrobenzene
Concen: 47.661 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 77 Resp: 639420

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.8	56.6
65	13.0	10.4	15.6



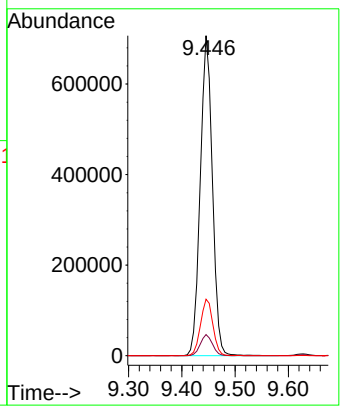


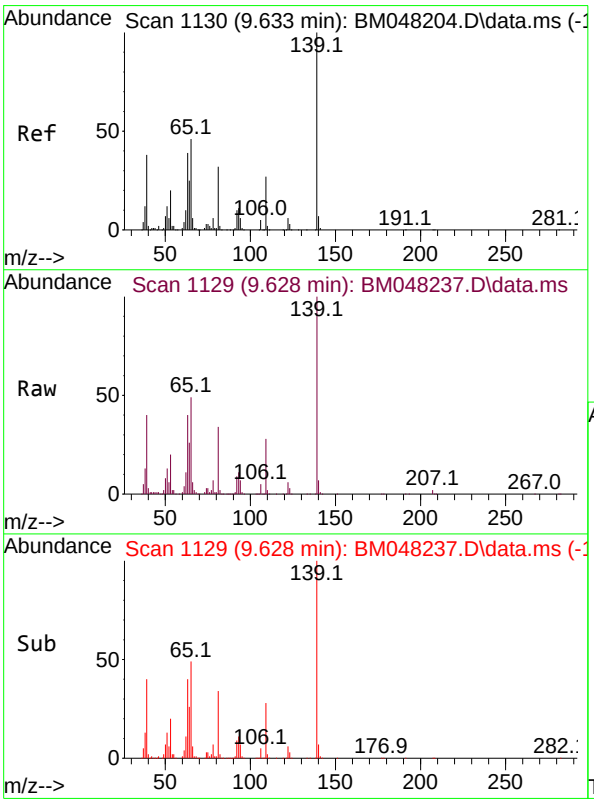
#25
Isophorone
Concen: 46.963 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 82 Resp: 1114649

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	17.6	14.3	21.5

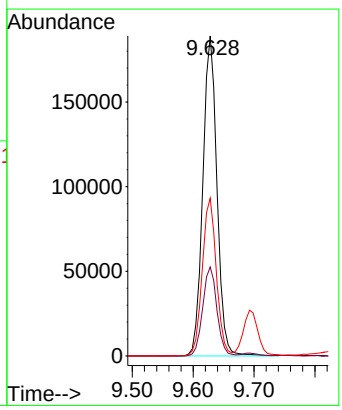


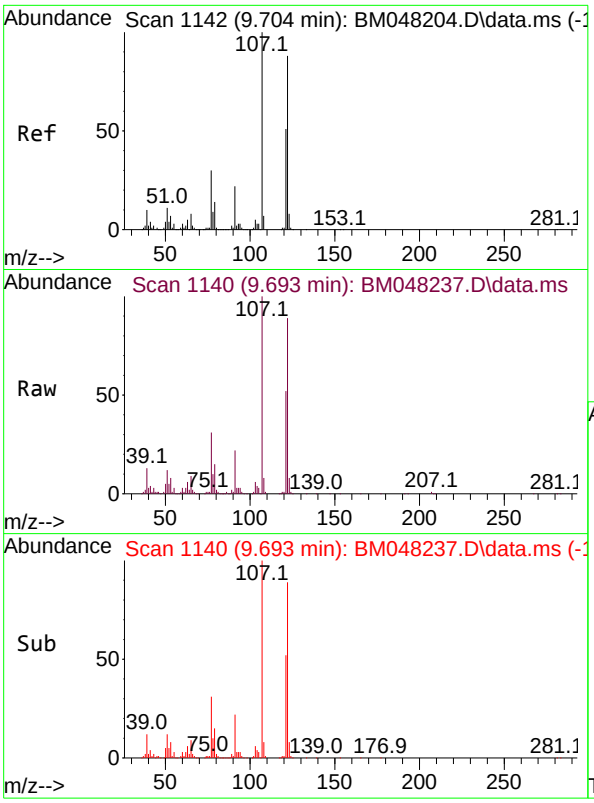


#26
2-Nitrophenol
Concen: 49.329 ng
RT: 9.628 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:139 Resp: 305570

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.2	31.8
65	49.3	36.8	55.2



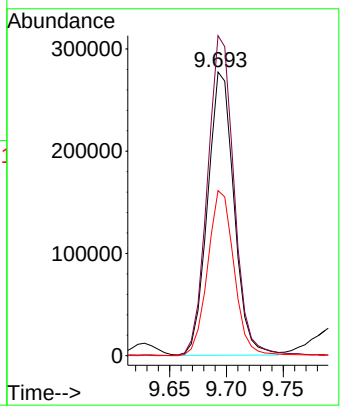


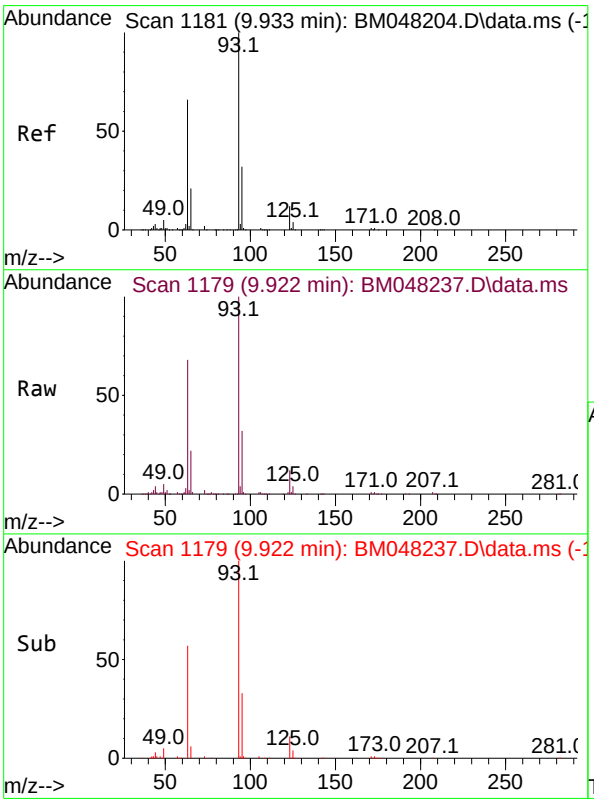
#27
2,4-Dimethylphenol
Concen: 59.622 ng
RT: 9.693 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:122 Resp: 448080

Ion	Ratio	Lower	Upper
122	100		
107	112.8	91.0	136.6
121	58.2	46.1	69.1

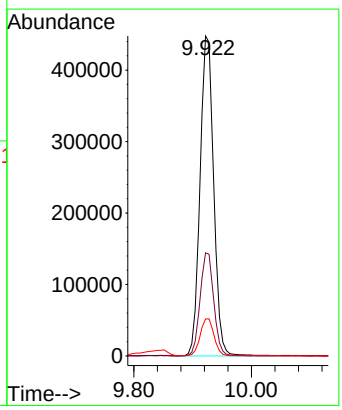


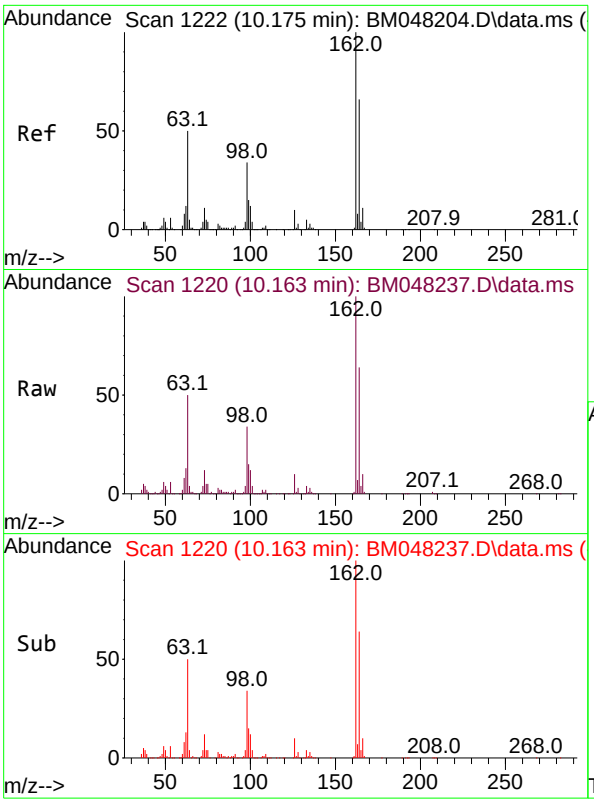


#28
bis(2-Chloroethoxy)methane
Concen: 47.993 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 93 Resp: 720808

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.3	37.9
123	11.6	9.8	14.6



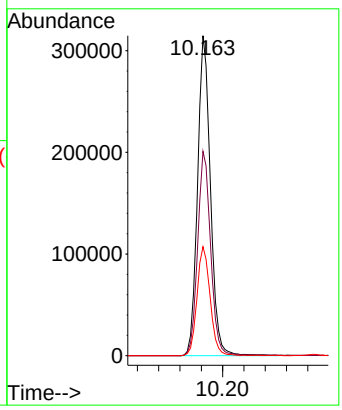


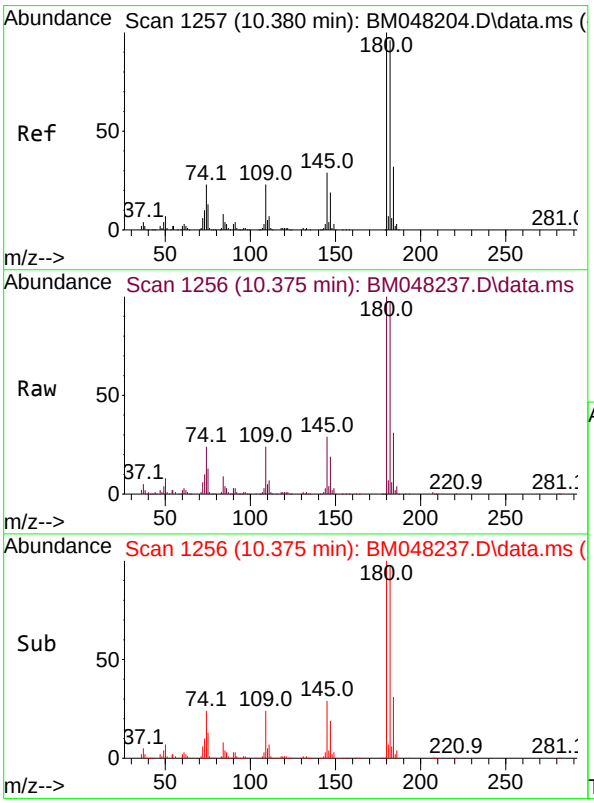
#29
2,4-Dichlorophenol
Concen: 48.948 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:162 Resp: 529197

Ion	Ratio	Lower	Upper
162	100		
164	63.9	46.0	86.0
98	34.1	14.4	54.4

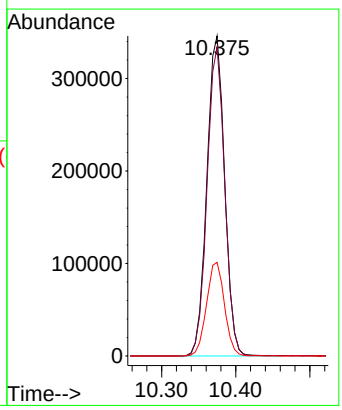


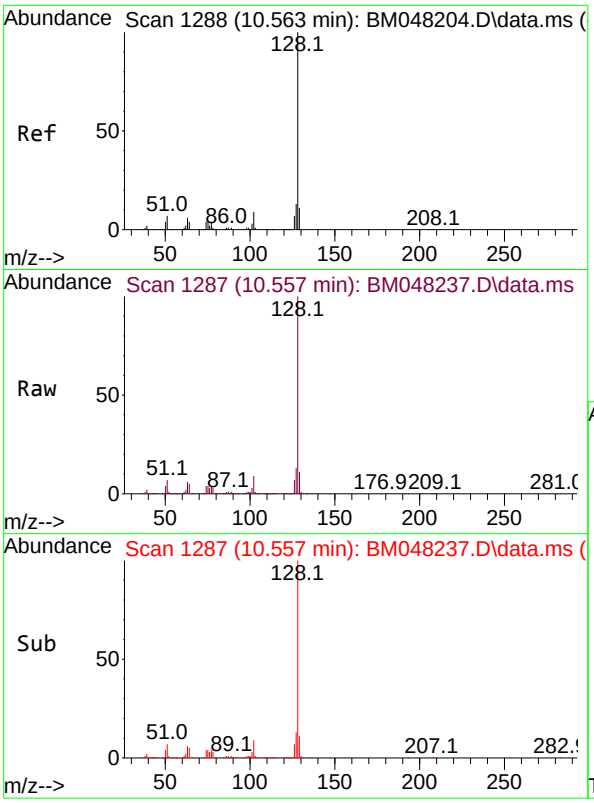


#30
1,2,4-Trichlorobenzene
Concen: 46.553 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:180 Resp: 576417

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	115.0
145	29.2	23.4	35.2



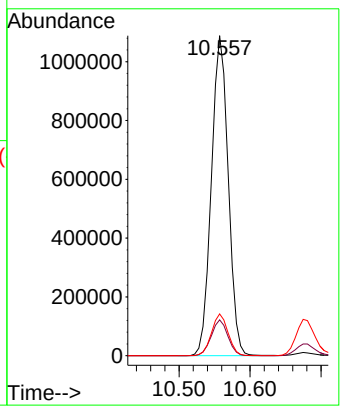


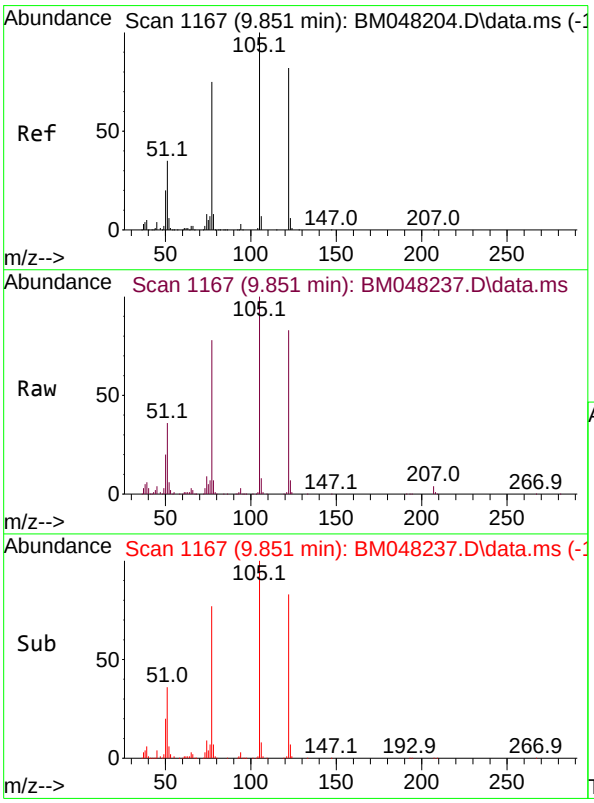
#31
Naphthalene
Concen: 46.979 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:128 Resp: 1791362

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.1	10.2	15.2

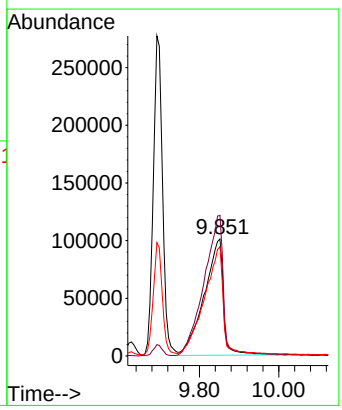


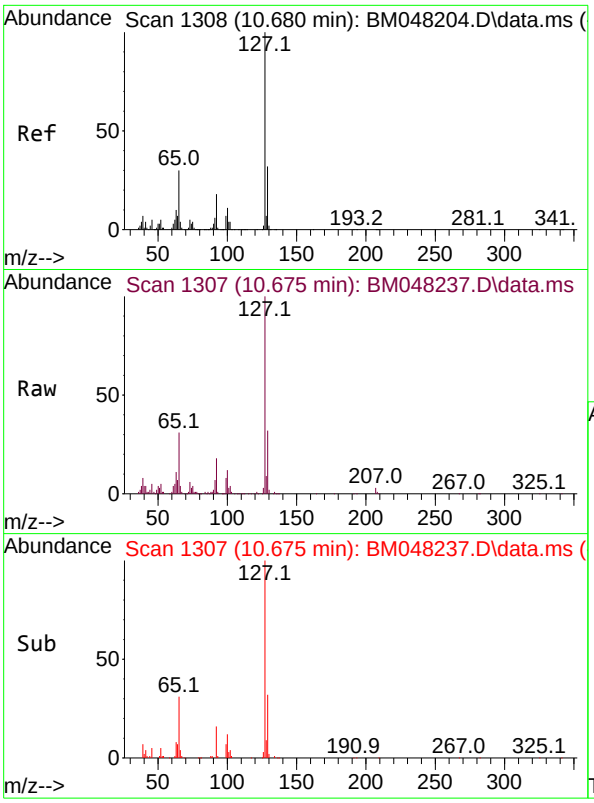


#32
Benzoic acid
Concen: 40.643 ng
RT: 9.851 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:122 Resp: 340001

Ion	Ratio	Lower	Upper
122	100		
105	120.2	99.3	139.3
77	93.4	70.4	110.4



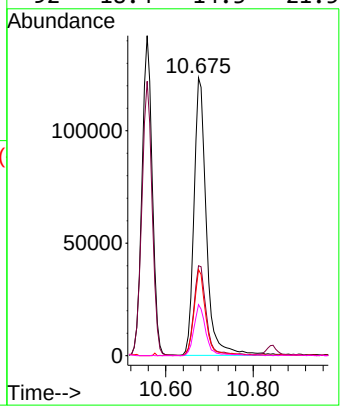


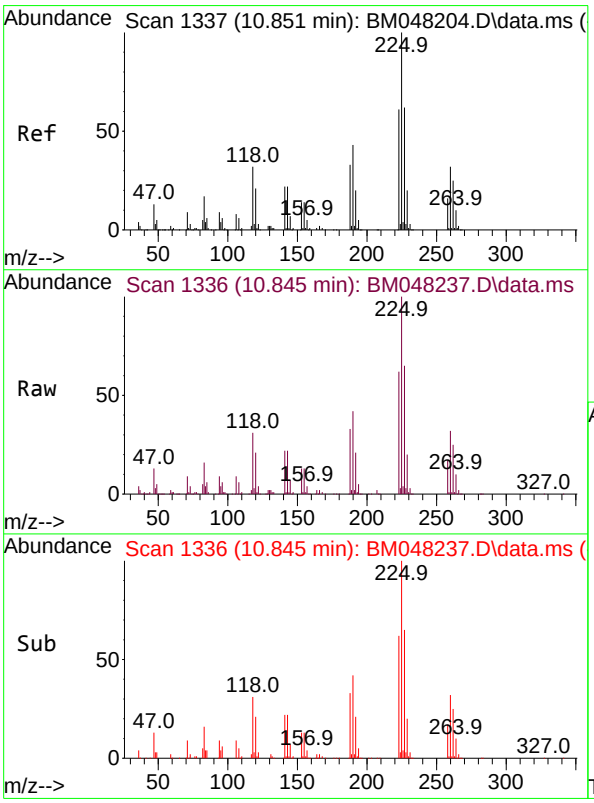
#33
4-Chloroaniline
Concen: 19.796 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:127 Resp: 244821

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	31.0	23.7	35.5
92	18.4	14.3	21.5

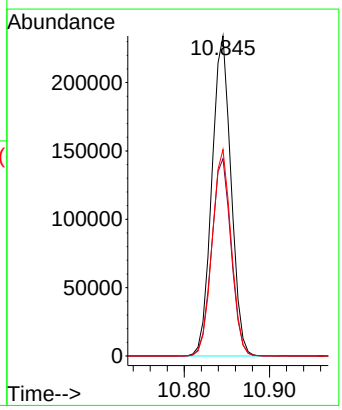


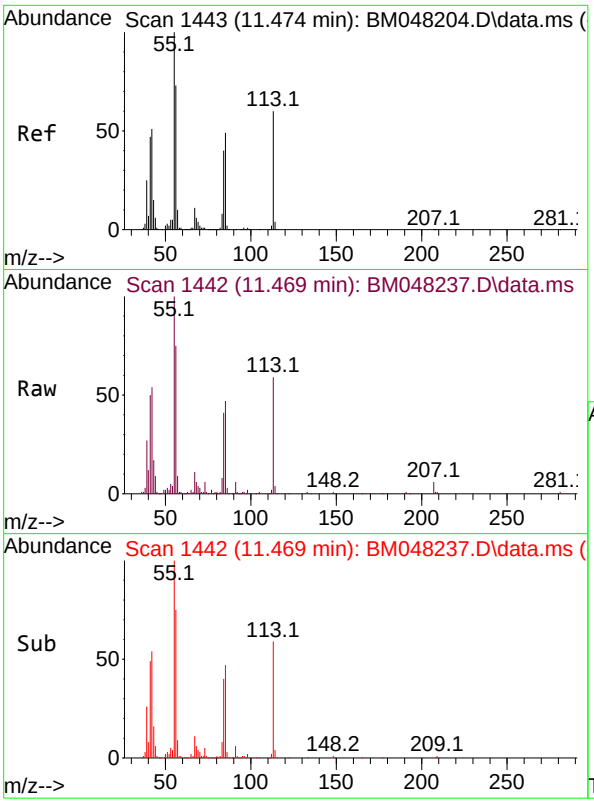


#34
Hexachlorobutadiene
Concen: 47.641 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:225 Resp: 365600

Ion	Ratio	Lower	Upper
225	100		
223	61.7	48.6	73.0
227	64.5	49.6	74.4



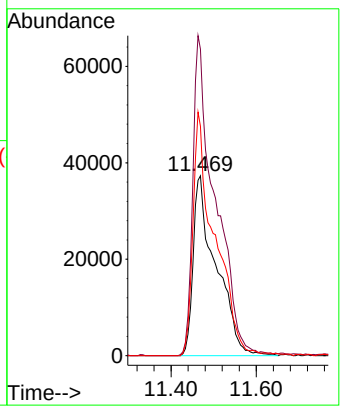


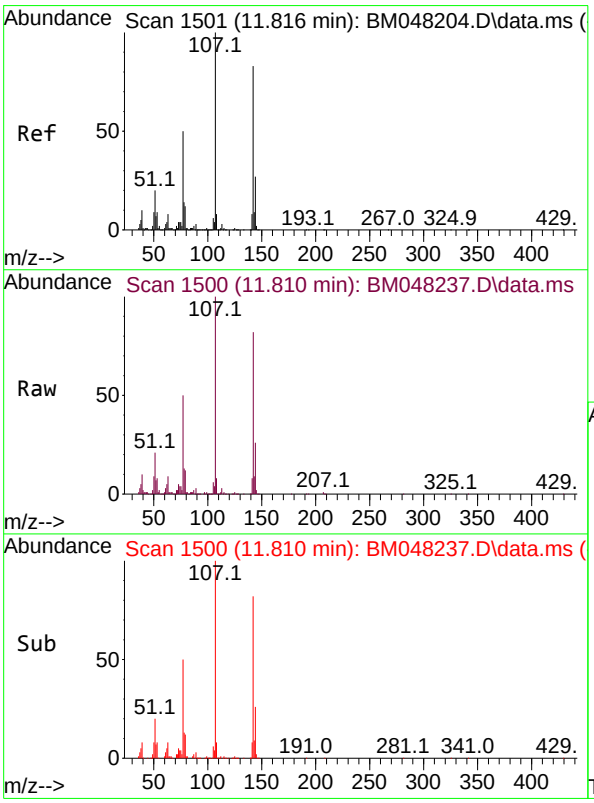
#35
Caprolactam
Concen: 39.421 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:113 Resp: 138443

Ion	Ratio	Lower	Upper
113	100		
55	170.5	146.1	186.1
56	127.6	101.9	141.9

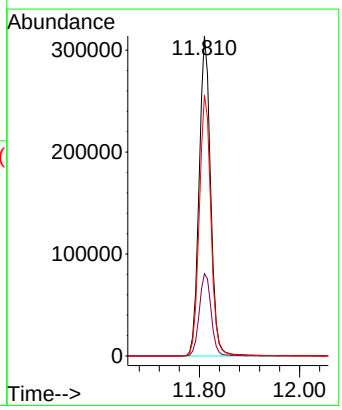


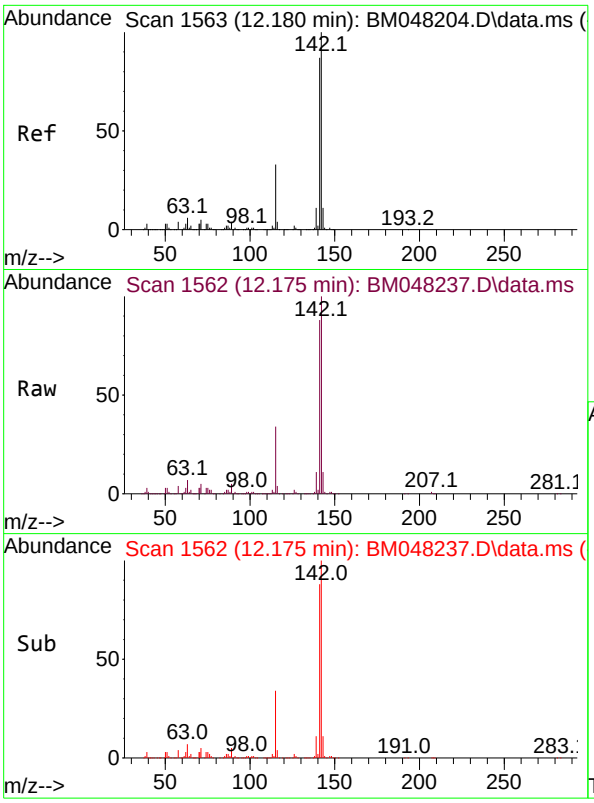


#36
4-Chloro-3-methylphenol
Concen: 44.158 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:107 Resp: 498365

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.5	32.3
142	81.6	66.8	100.2



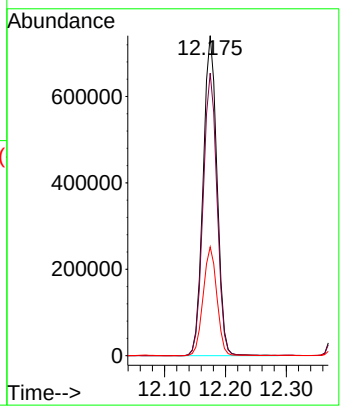


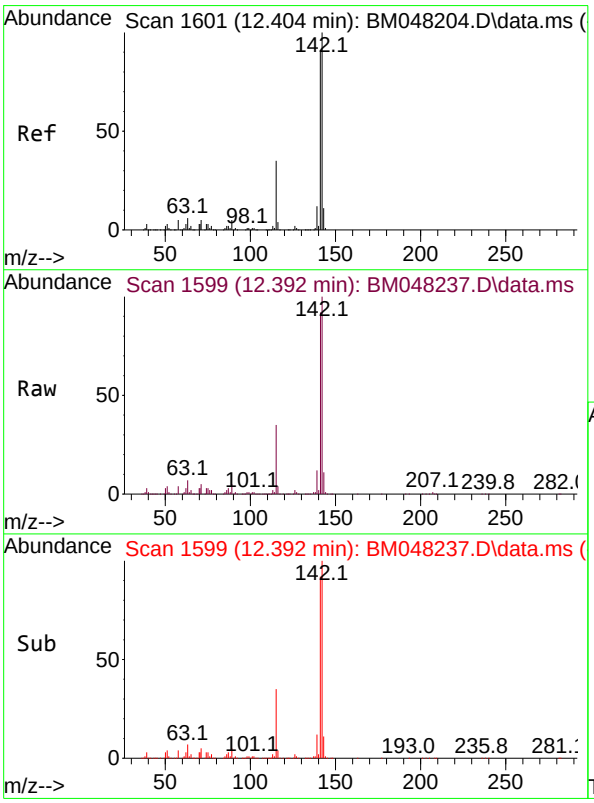
#37
2-Methylnaphthalene
Concen: 46.047 ng
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:142 Resp: 1173125

Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.8	104.6
115	34.0	26.3	39.5

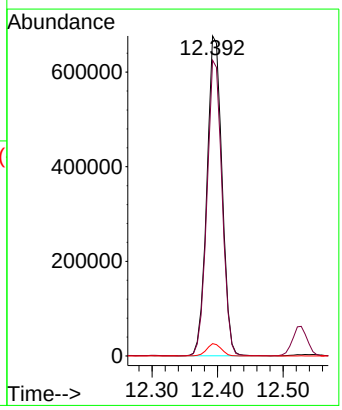


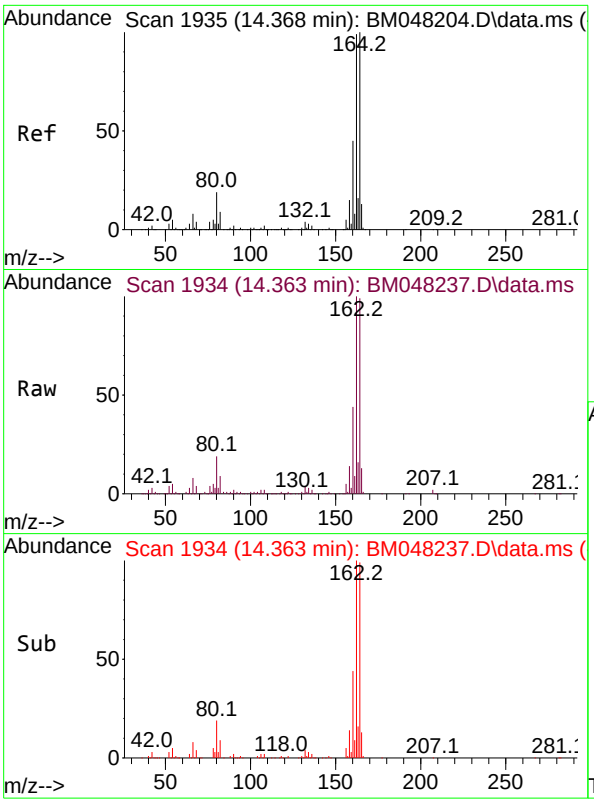


#38
1-Methylnaphthalene
Concen: 42.917 ng
RT: 12.392 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:142 Resp: 1084221

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.7	109.1
116	3.9	2.9	4.3



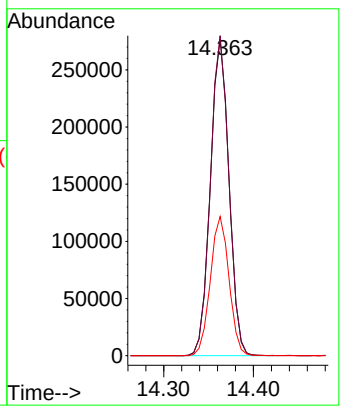


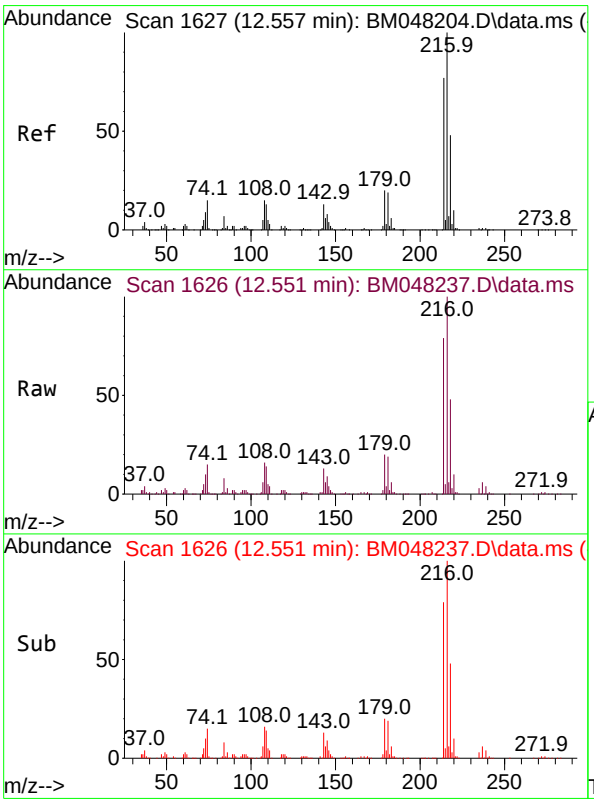
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:164 Resp: 398895

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.1	118.7
160	44.0	35.8	53.8

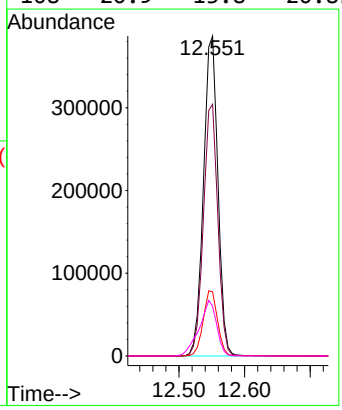


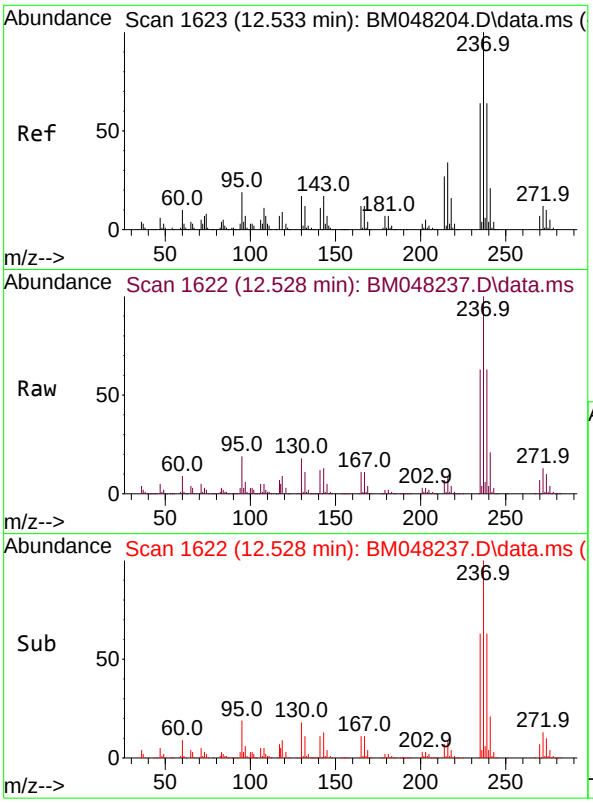


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.965 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:216 Resp: 592472

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.2	93.2
179	20.4	16.0	24.0
108	20.9	13.8	20.8#



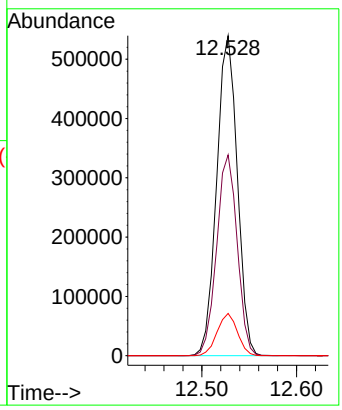


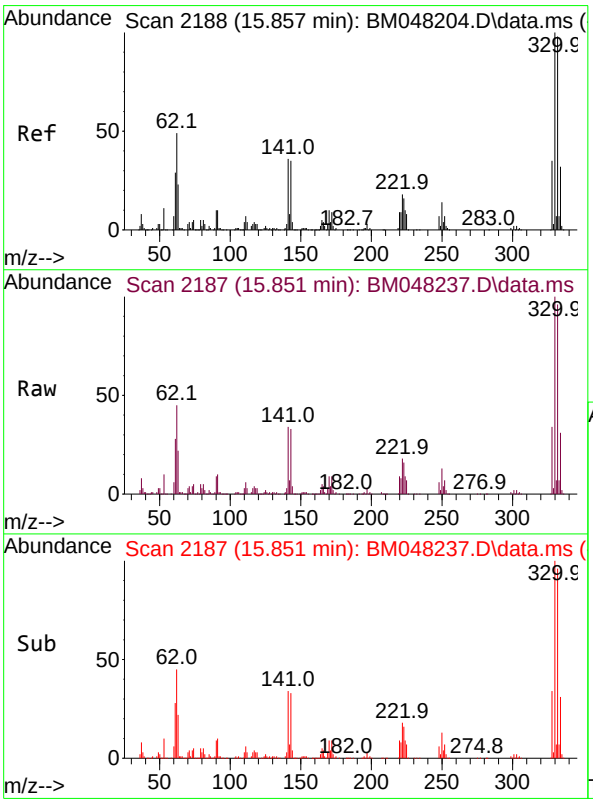
#41
Hexachlorocyclopentadiene
Concen: 211.949 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:237 Resp: 817728

Ion	Ratio	Lower	Upper
237	100		
235	62.7	44.2	84.2
272	13.2	0.0	32.4

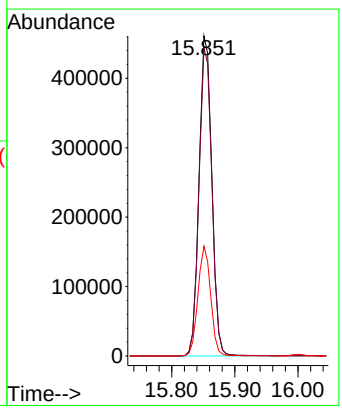


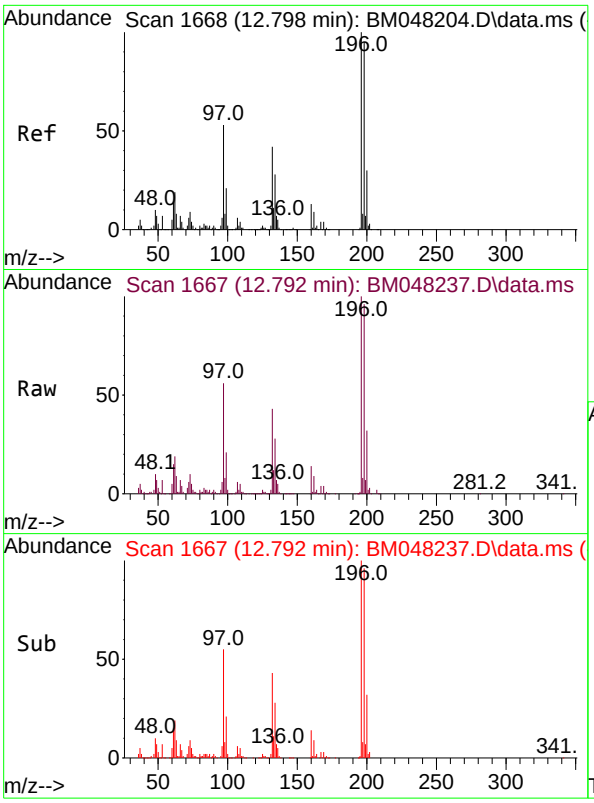


#42
2,4,6-Tribromophenol
Concen: 132.778 ng
RT: 15.851 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:330 Resp: 648289

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.5	116.3
141	34.1	27.5	41.3



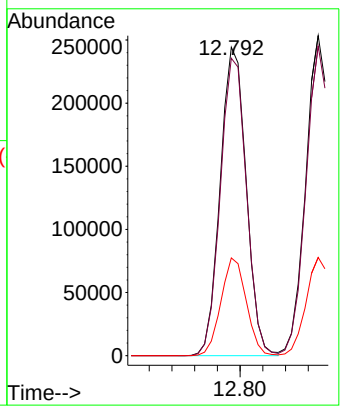


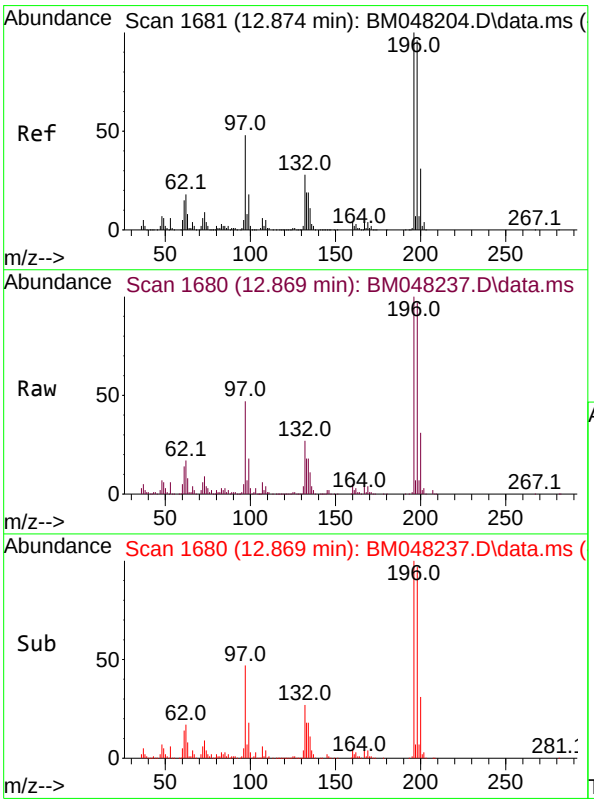
#43
2,4,6-Trichlorophenol
Concen: 51.322 ng
RT: 12.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:196 Resp: 388315

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
200	31.7	24.2	36.2

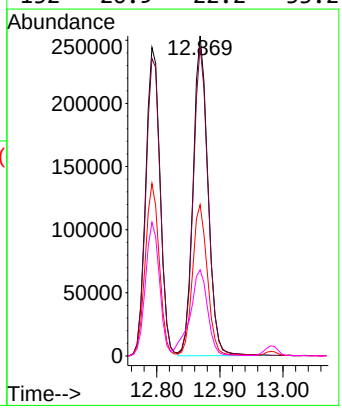


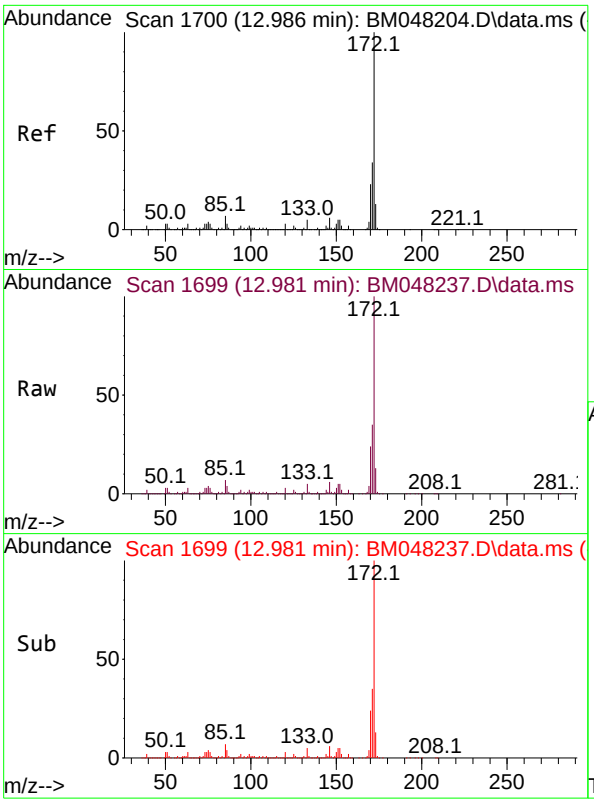


#44
2,4,5-Trichlorophenol
Concen: 49.007 ng
RT: 12.869 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:196 Resp: 413494

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.7	115.1
97	47.2	38.5	57.7
132	26.9	22.2	33.2



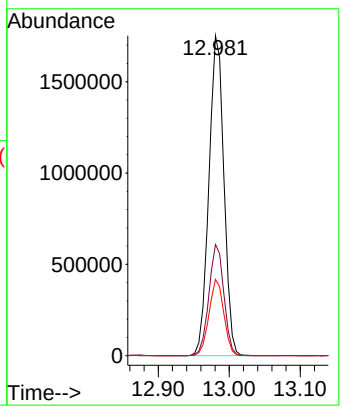


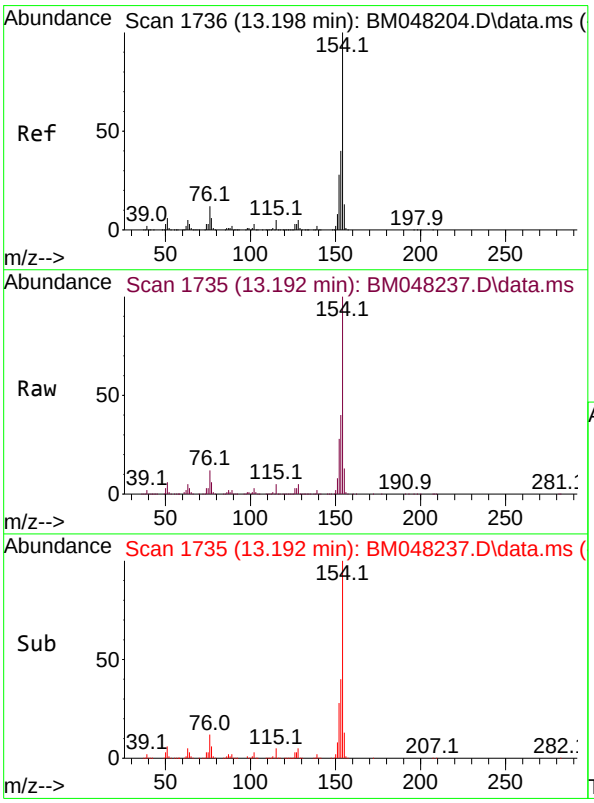
#45
2-Fluorobiphenyl
Concen: 98.972 ng
RT: 12.981 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:172 Resp: 2572793

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.8	18.5	27.7

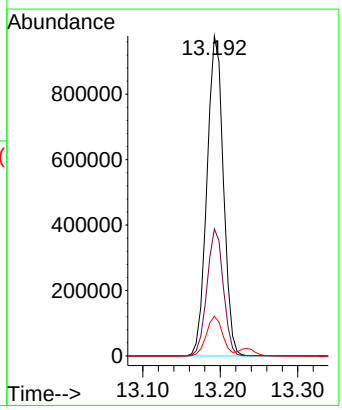


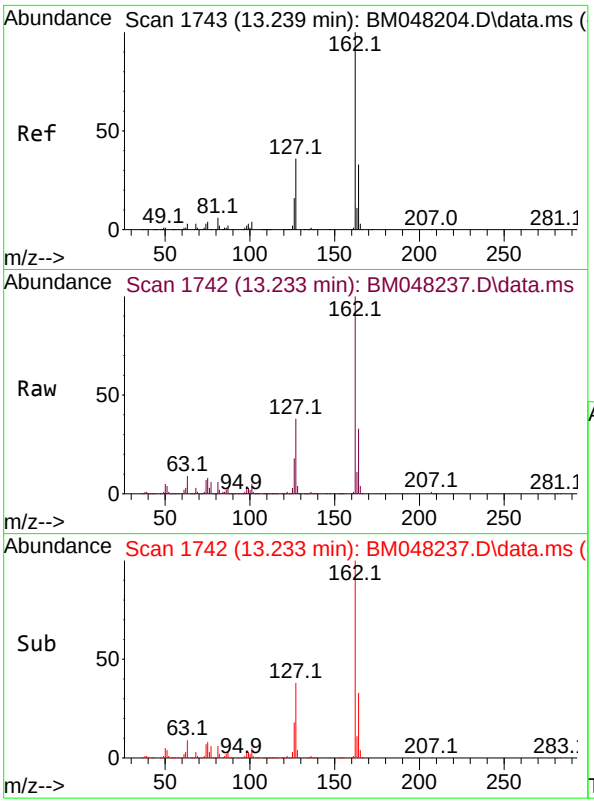


#46
1,1'-Biphenyl
Concen: 50.499 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:154 Resp: 1438193

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.9	59.9
76	12.4	0.0	32.4



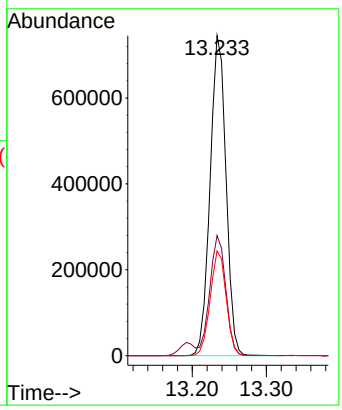


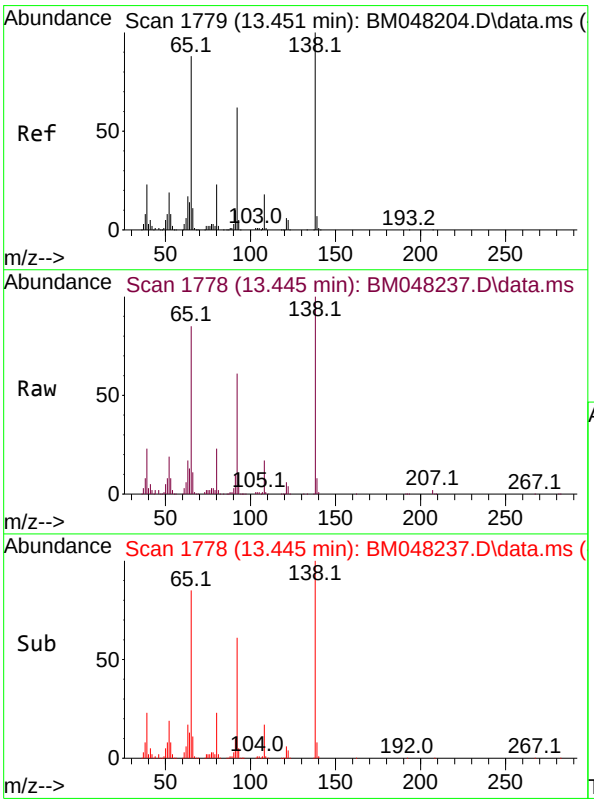
#47
2-Chloronaphthalene
Concen: 49.475 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:162 Resp: 1111001

Ion	Ratio	Lower	Upper
162	100		
127	37.6	31.0	46.6
164	32.7	26.2	39.4

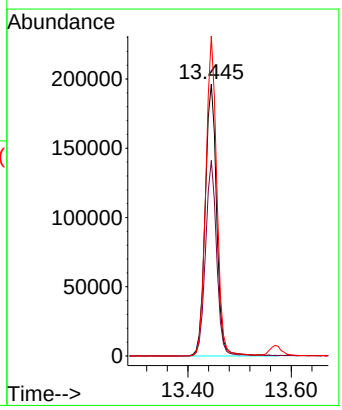


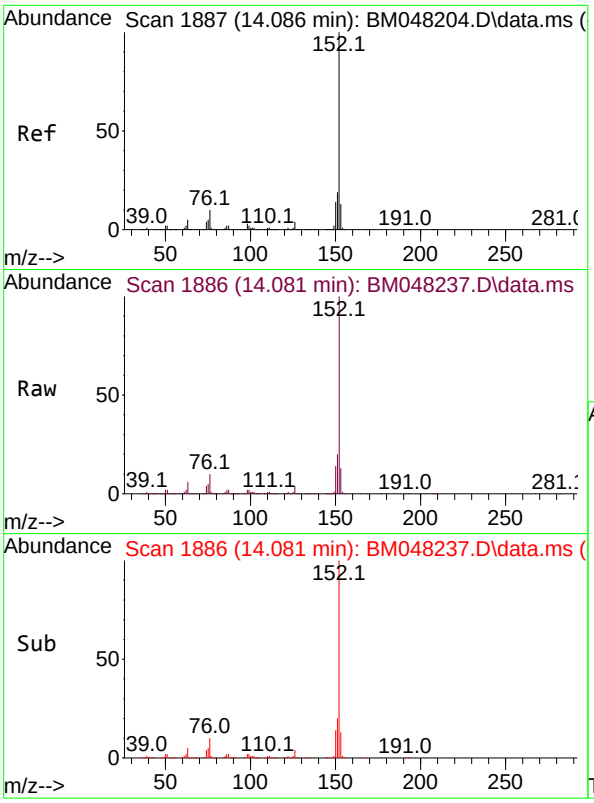


#48
2-Nitroaniline
Concen: 49.763 ng
RT: 13.445 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion: 65 Resp: 303080

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.0	84.0
138	117.7	90.8	136.2



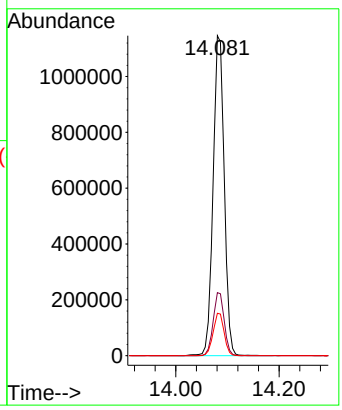


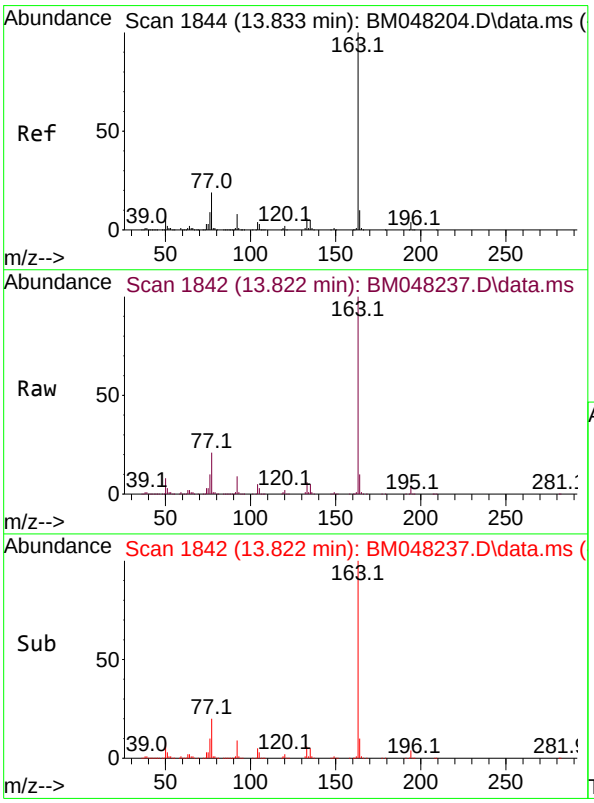
#49
Acenaphthylene
Concen: 52.295 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:152 Resp: 1713262

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.3	10.5	15.7

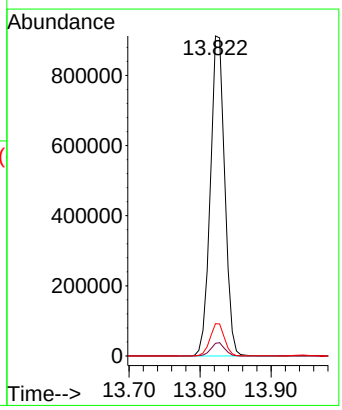


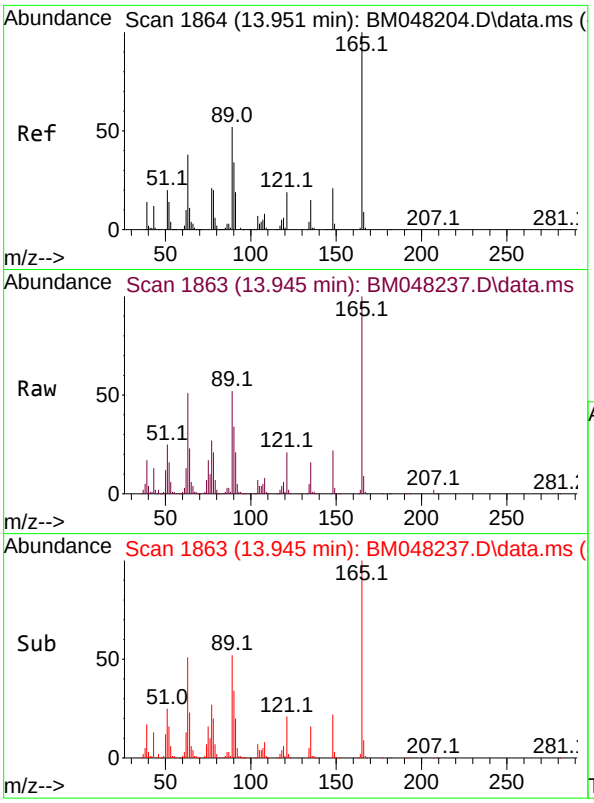


#50
Dimethylphthalate
Concen: 47.172 ng
RT: 13.822 min Scan# 1842
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:163 Resp: 1284546

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.1	7.8	11.6



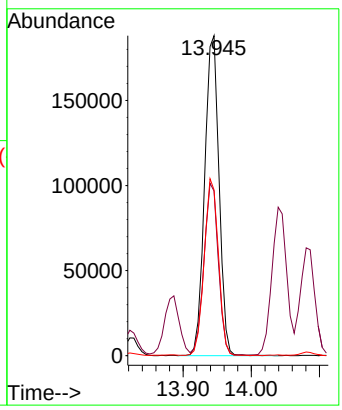


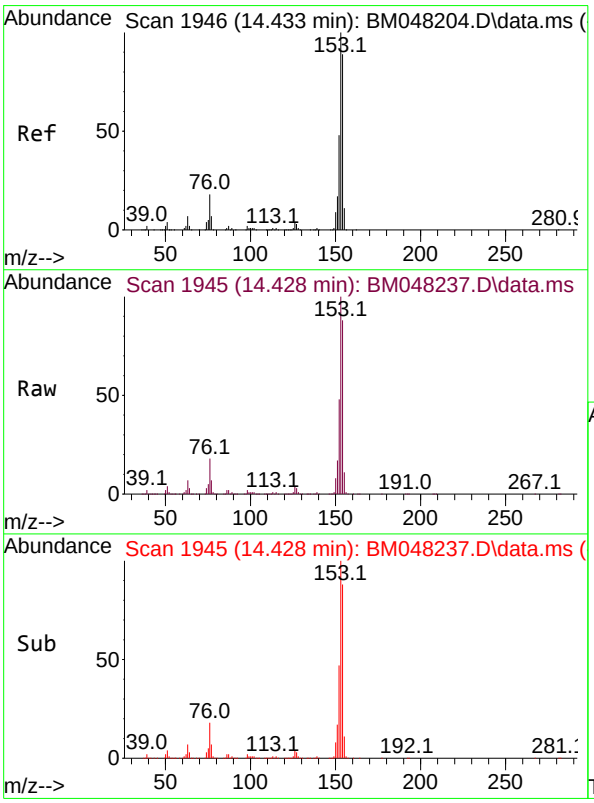
#51
2,6-Dinitrotoluene
Concen: 45.417 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:165 Resp: 275953

Ion	Ratio	Lower	Upper
165	100		
63	51.5	39.5	59.3
89	51.8	41.8	62.6

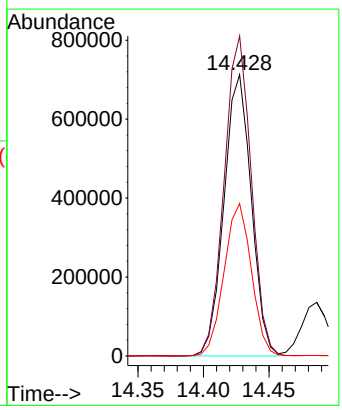


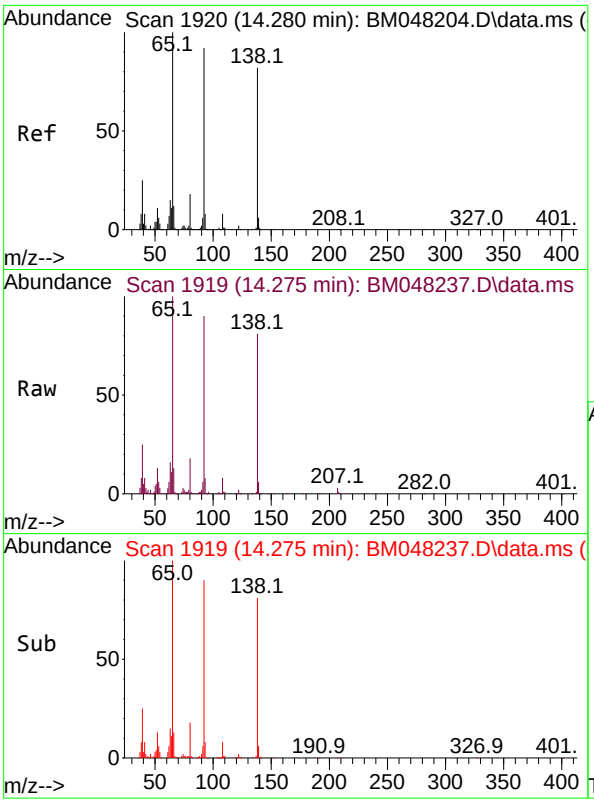


#52
Acenaphthene
Concen: 49.606 ng
RT: 14.428 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:154 Resp: 1032626

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.4	135.6
152	54.1	43.6	65.4



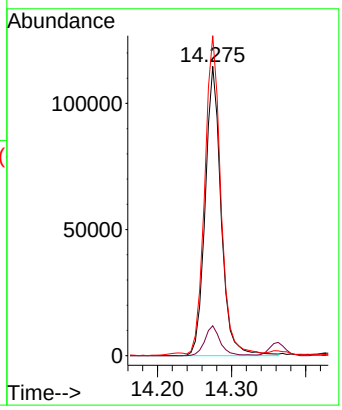


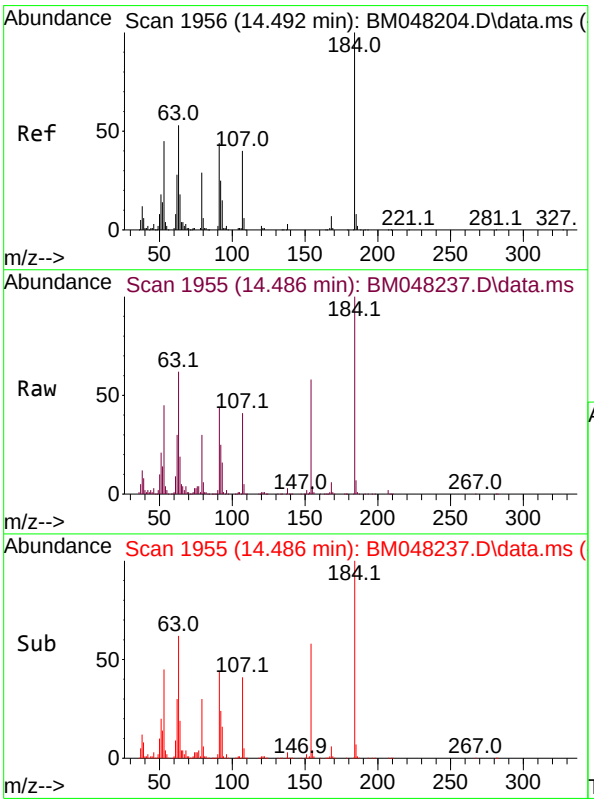
#53
3-Nitroaniline
Concen: 29.874 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:138 Resp: 171183

Ion	Ratio	Lower	Upper
138	100		
108	10.4	7.5	11.3
92	110.6	89.7	134.5

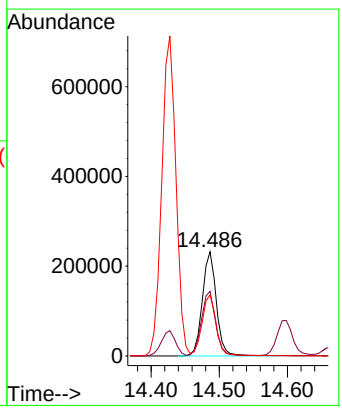


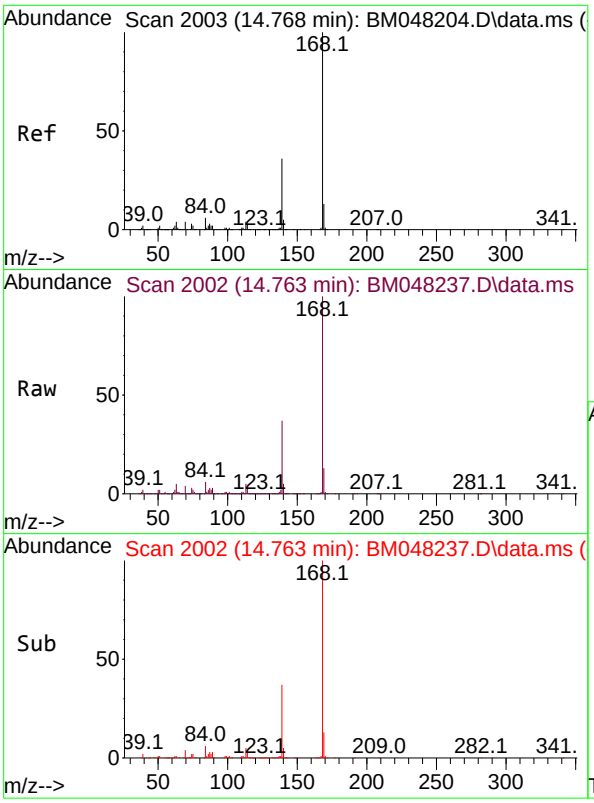


#54
2,4-Dinitrophenol
Concen: 93.445 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:184 Resp: 331785

Ion	Ratio	Lower	Upper
184	100		
63	62.1	47.2	70.8
154	58.5	46.0	69.0



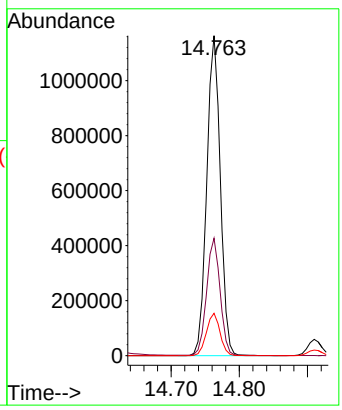


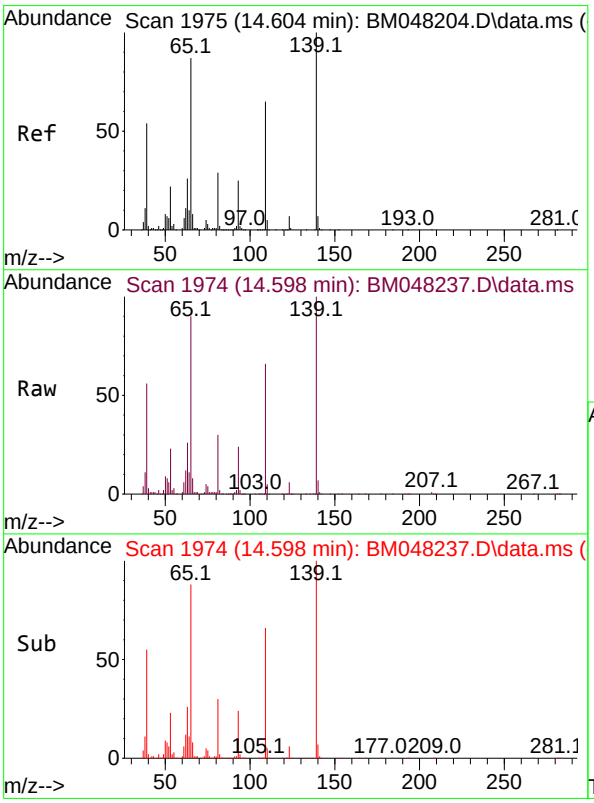
#55
Dibenzofuran
Concen: 48.620 ng
RT: 14.763 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:168 Resp: 1607974

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.0	43.6
169	13.2	10.4	15.6

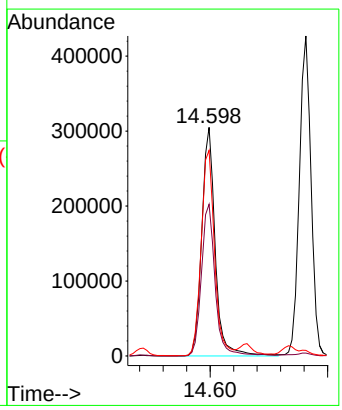


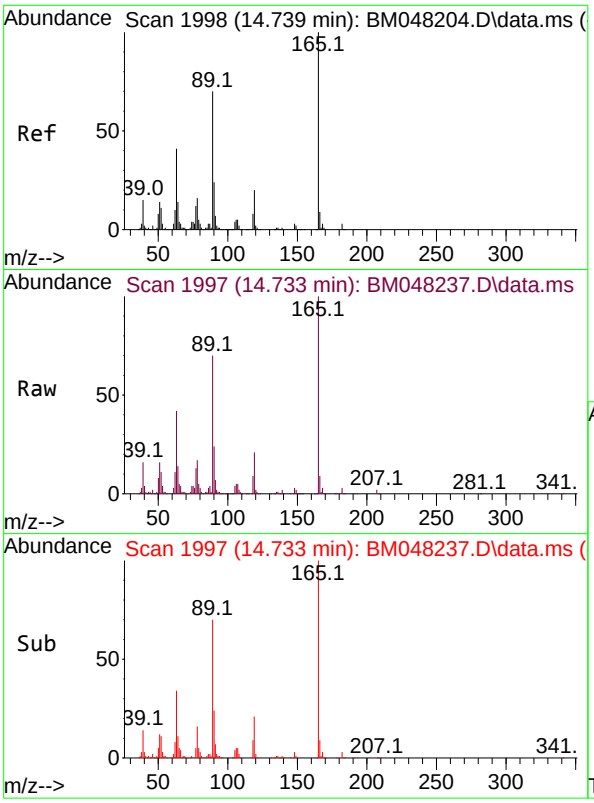


#56
4-Nitrophenol
Concen: 94.818 ng
RT: 14.598 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:139 Resp: 484899

Ion	Ratio	Lower	Upper
139	100		
109	66.4	45.4	85.4
65	89.9	67.3	107.3



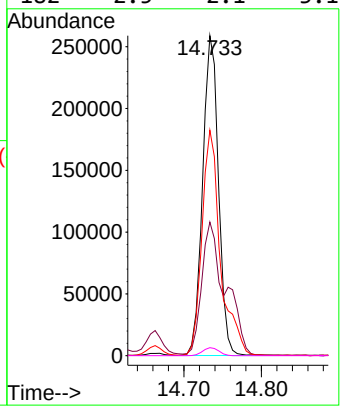


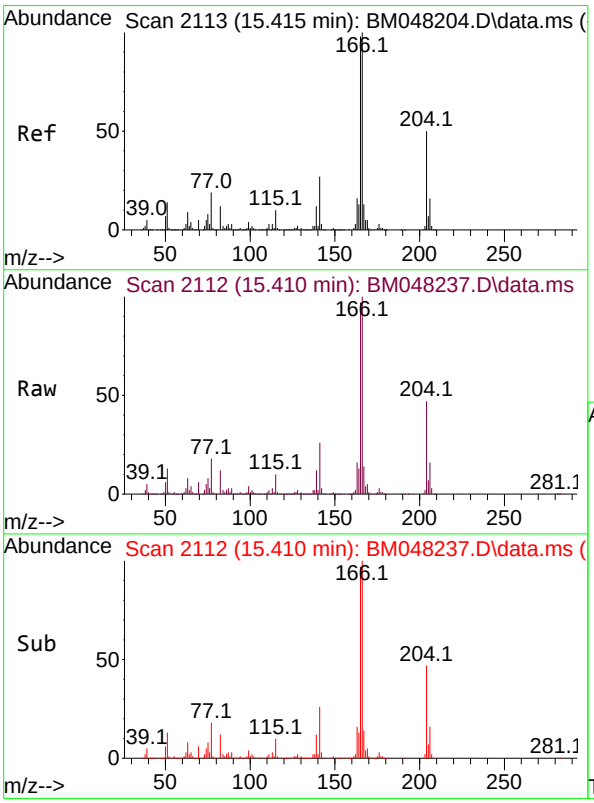
#57
2,4-Dinitrotoluene
Concen: 45.702 ng
RT: 14.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:165 Resp: 366700

Ion	Ratio	Lower	Upper
165	100		
63	41.7	33.0	49.4
89	70.5	55.8	83.6
182	2.5	2.1	3.1

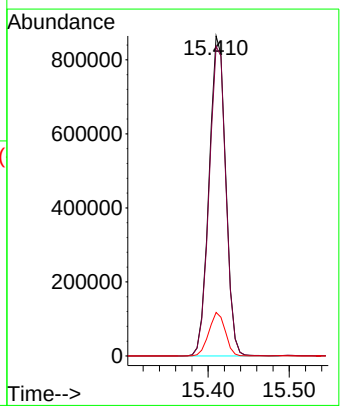


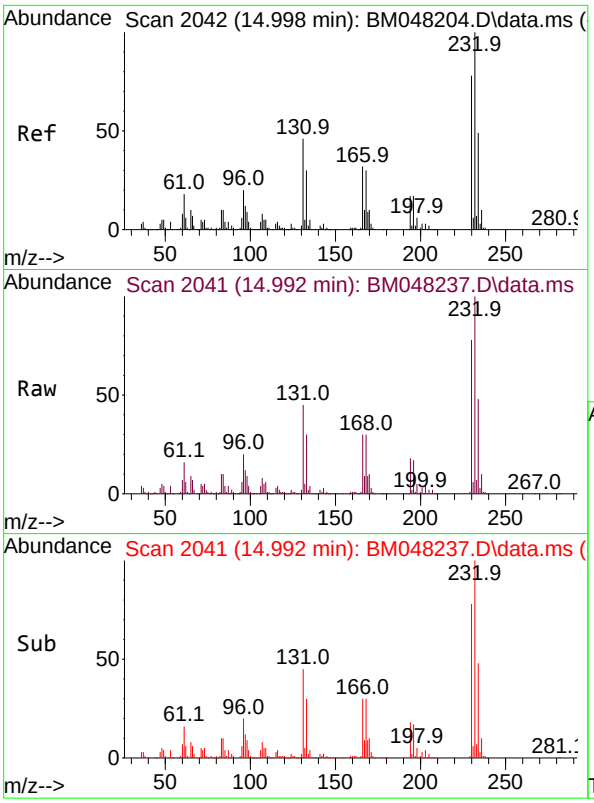


#58
Fluorene
Concen: 46.996 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:166 Resp: 1229017

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	13.6	10.8	16.2



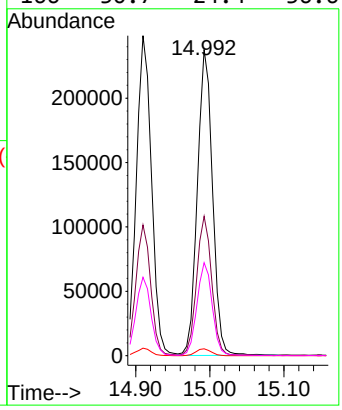


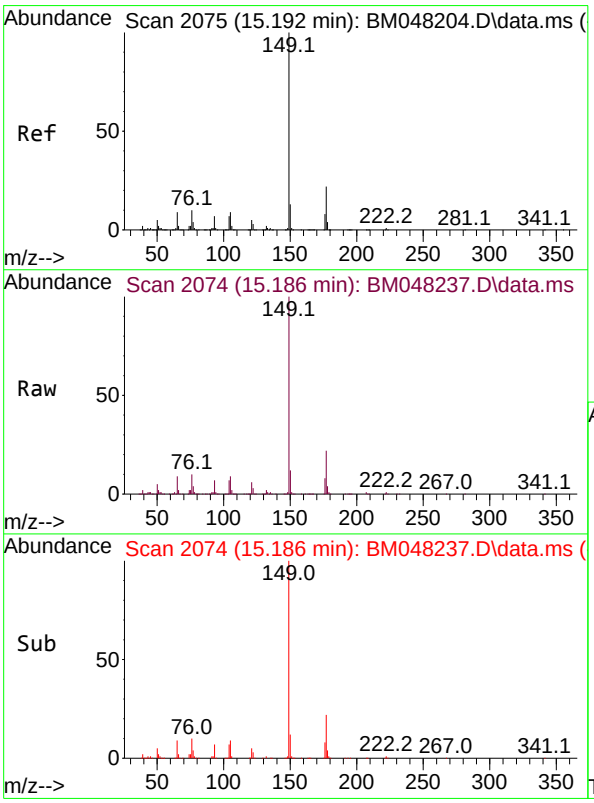
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.317 ng
RT: 14.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:232 Resp: 337906

Ion	Ratio	Lower	Upper
232	100		
131	45.3	35.5	53.3
130	2.3	1.8	2.6
166	30.7	24.4	36.6

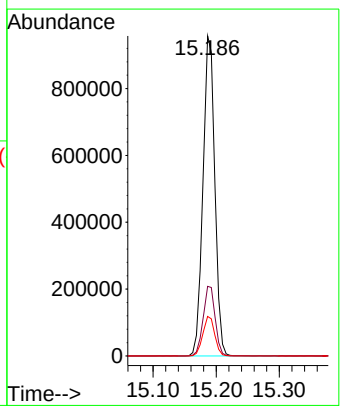


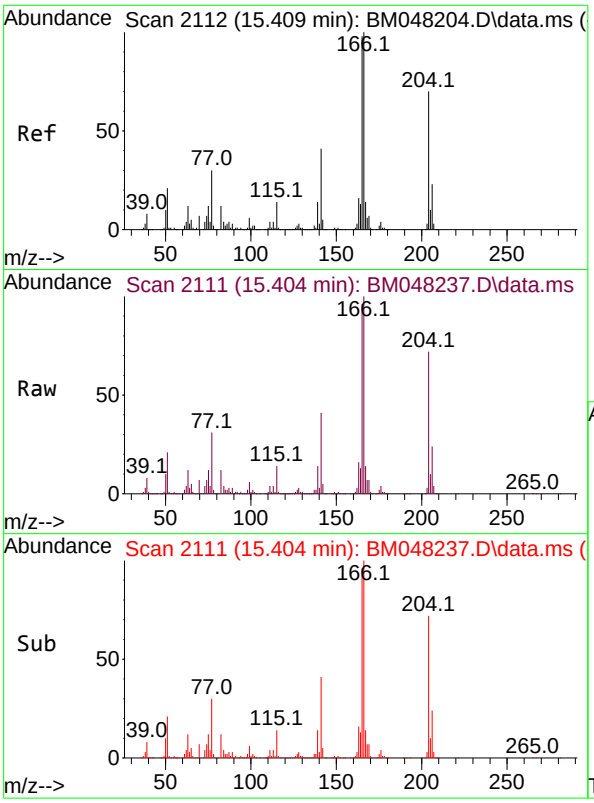


#60
Diethylphthalate
Concen: 45.284 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:149 Resp: 1248532

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.5	26.3
150	12.3	10.1	15.1



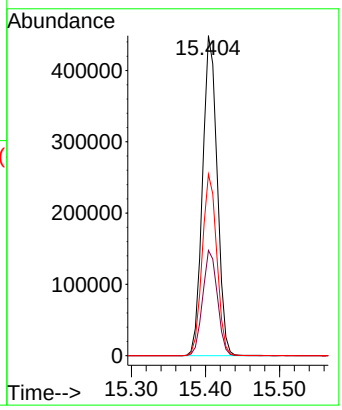


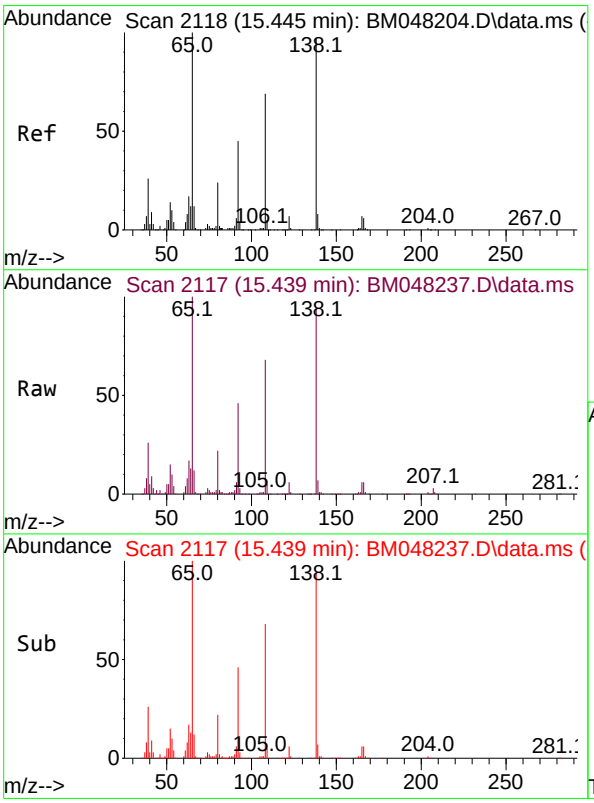
#61
4-Chlorophenyl-phenylether
Concen: 47.106 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:204 Resp: 615954

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	56.7	47.0	70.6

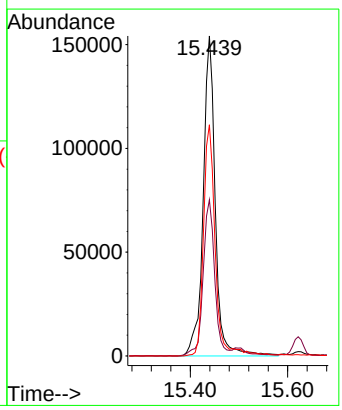


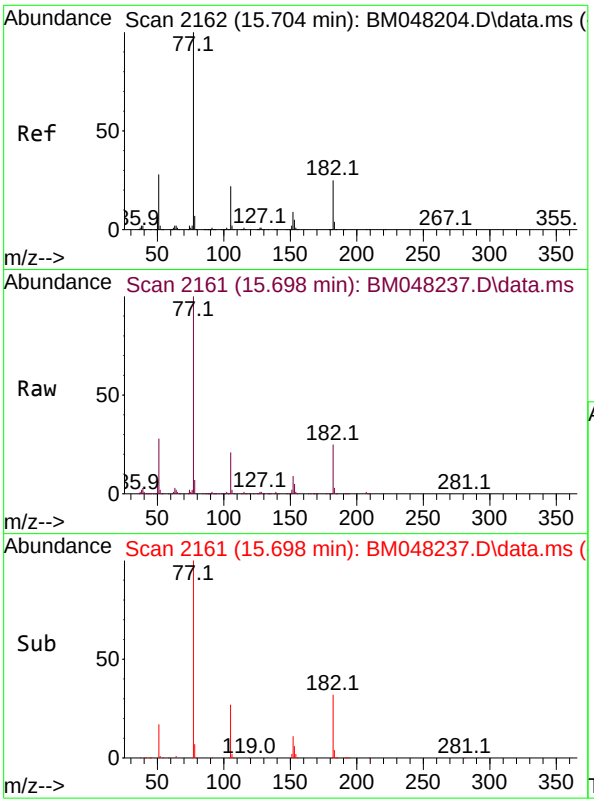


#62
4-Nitroaniline
Concen: 44.901 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:138 Resp: 266271

Ion	Ratio	Lower	Upper
138	100		
92	48.8	26.9	66.9
108	72.3	51.3	91.3



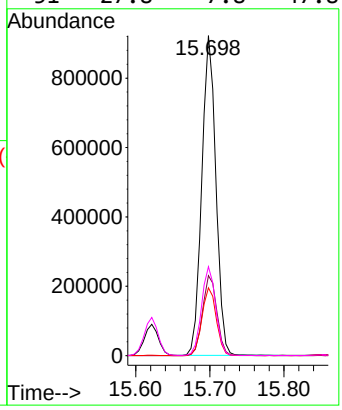


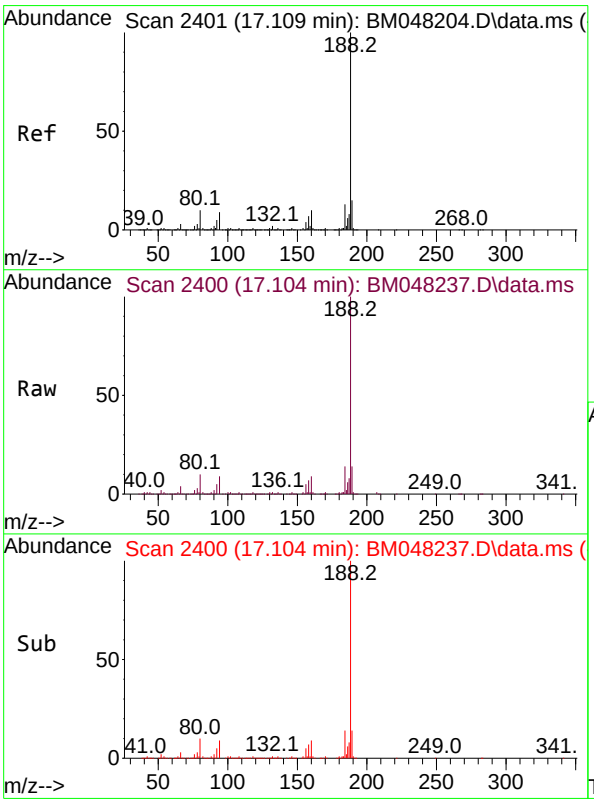
#63
Azobenzene
Concen: 49.273 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion: 77 Resp: 1217591

Ion	Ratio	Lower	Upper
77	100		
182	25.0	5.3	45.3
105	21.2	1.6	41.6
51	27.8	7.8	47.8

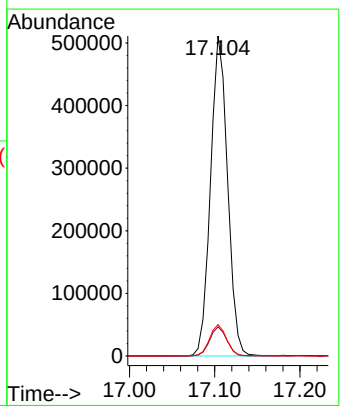


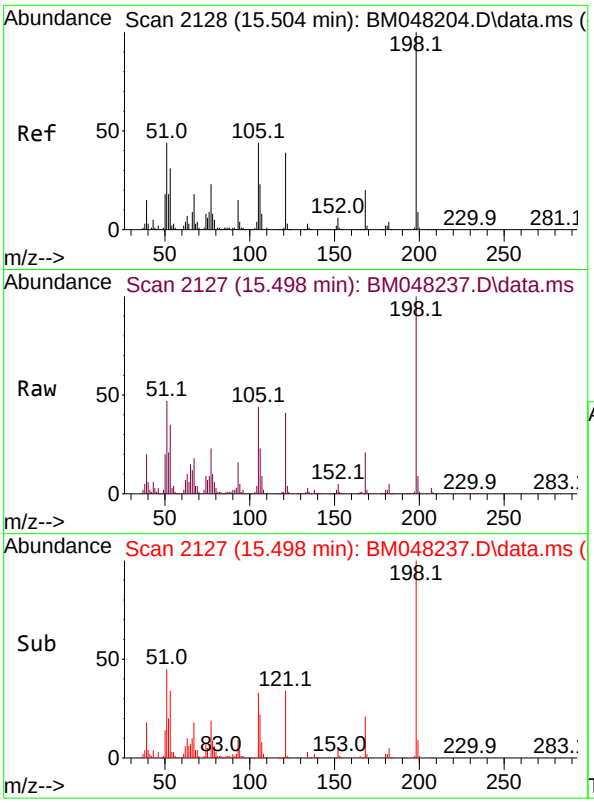


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:188 Resp: 712540

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	9.8	8.0	12.0



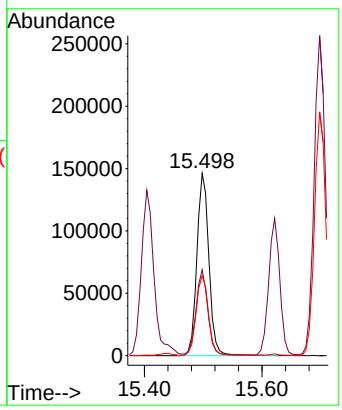


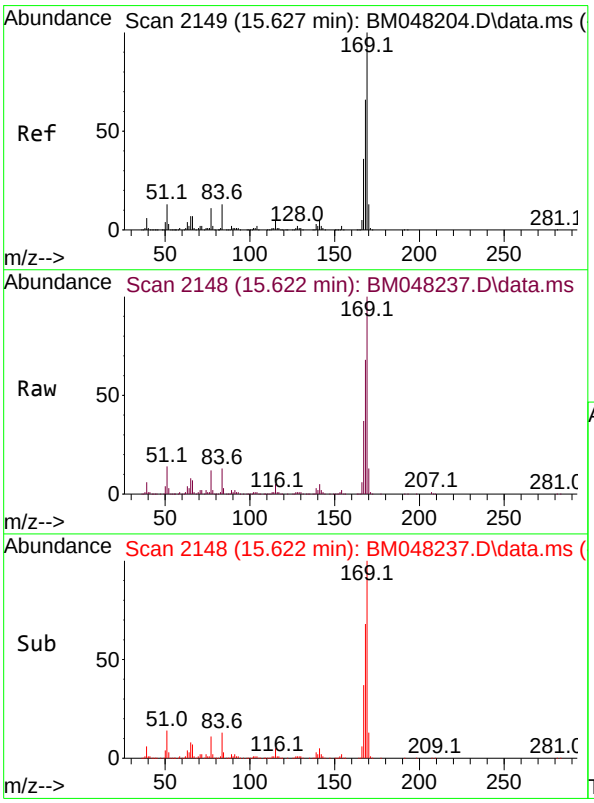
#65
4,6-Dinitro-2-methylphenol
Concen: 50.087 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:198 Resp: 207072

Ion	Ratio	Lower	Upper
198	100		
51	47.1	25.4	65.4
105	43.8	23.9	63.9

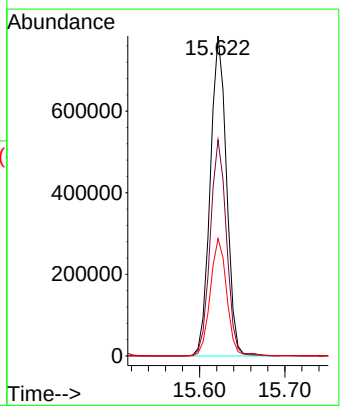


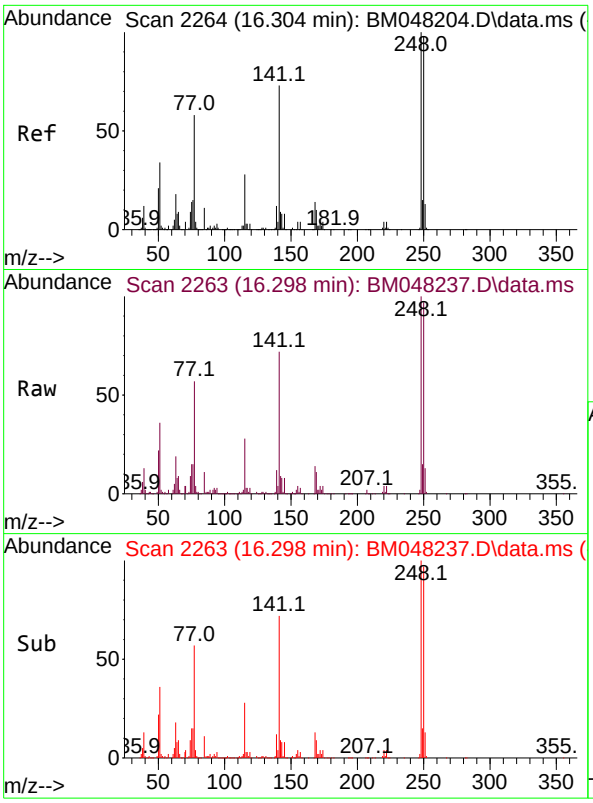


#66
n-Nitrosodiphenylamine
Concen: 53.085 ng
RT: 15.622 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:169 Resp: 1038366

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.9	79.3
167	36.7	29.3	43.9



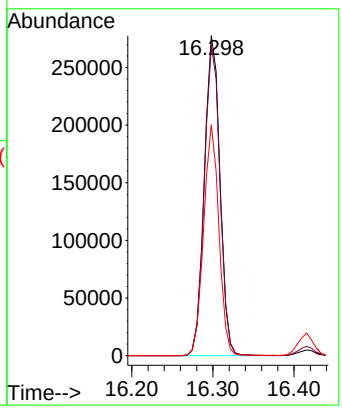


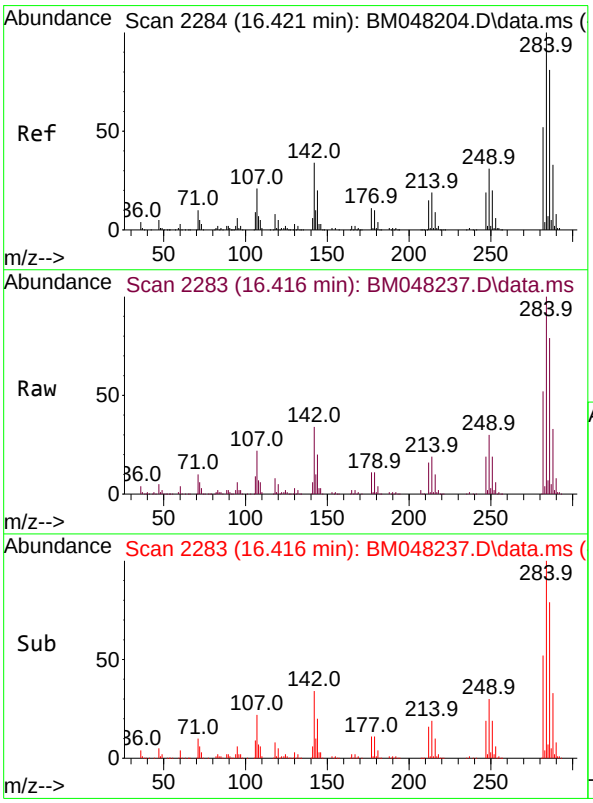
#67
4-Bromophenyl-phenylether
Concen: 51.351 ng
RT: 16.298 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:248 Resp: 370969

Ion	Ratio	Lower	Upper
248	100		
250	96.9	78.3	117.5
141	72.2	58.0	87.0

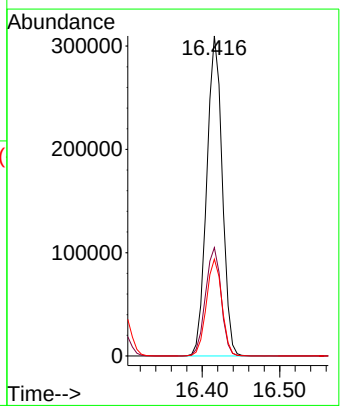


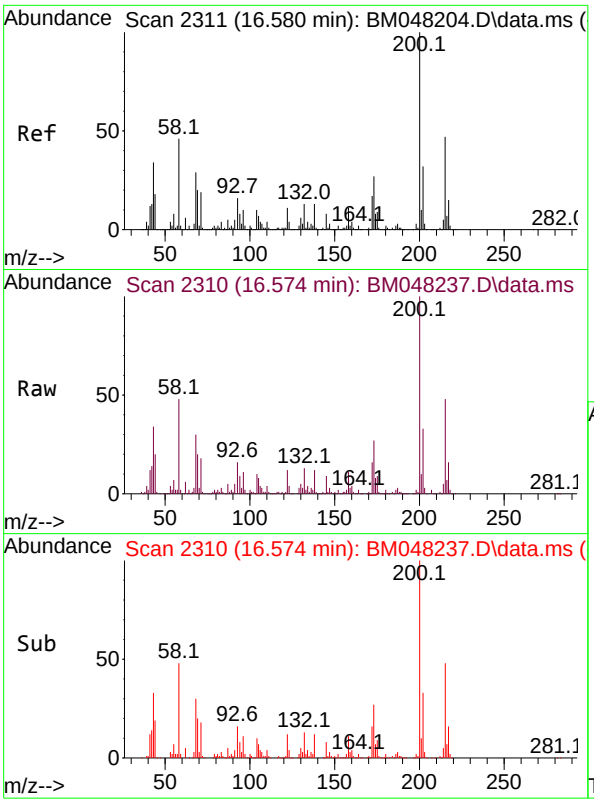


#68
Hexachlorobenzene
Concen: 49.577 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:284 Resp: 430167

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.4
249	30.3	24.6	36.8



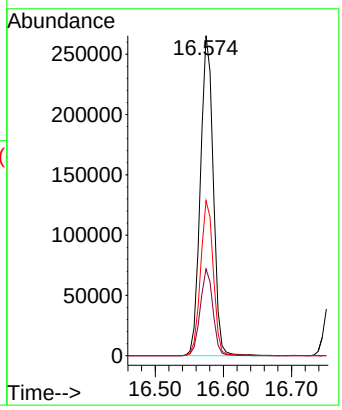


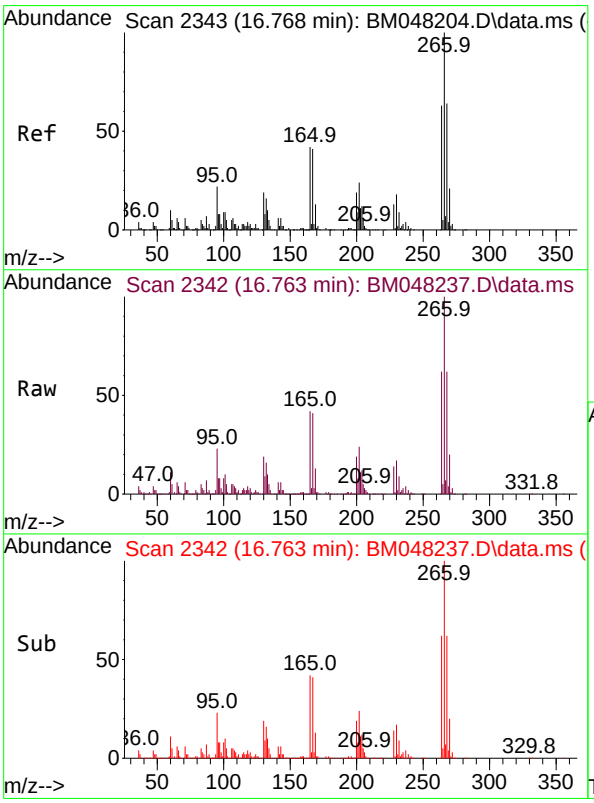
#69
Atrazine
Concen: 63.680 ng
RT: 16.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:200 Resp: 348529

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.5	46.5
215	48.4	27.2	67.2

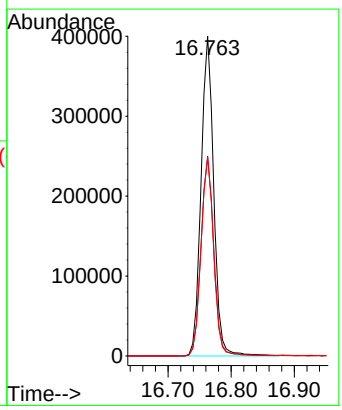


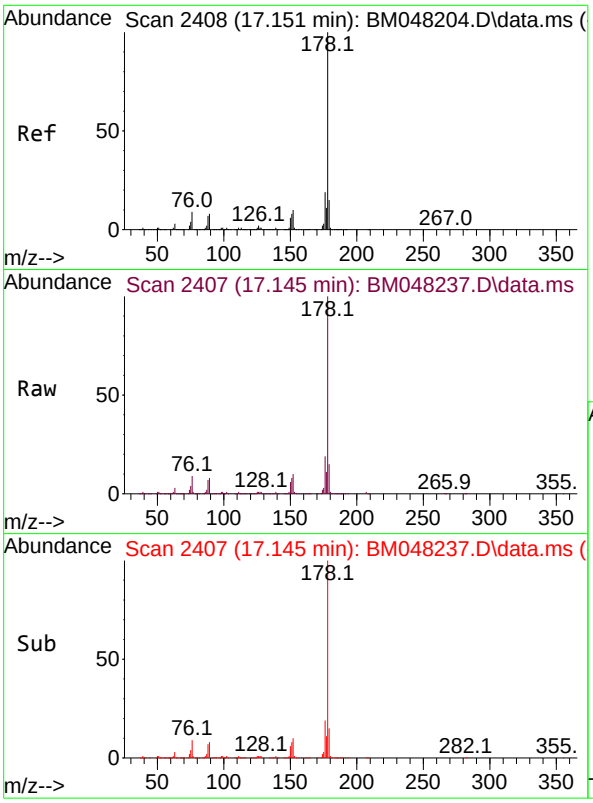


#70
Pentachlorophenol
Concen: 97.899 ng
RT: 16.763 min Scan# 2342
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:266 Resp: 557690

Ion	Ratio	Lower	Upper
266	100		
268	62.4	50.8	76.2
264	62.1	50.2	75.2



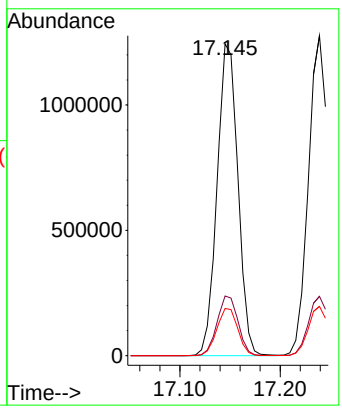


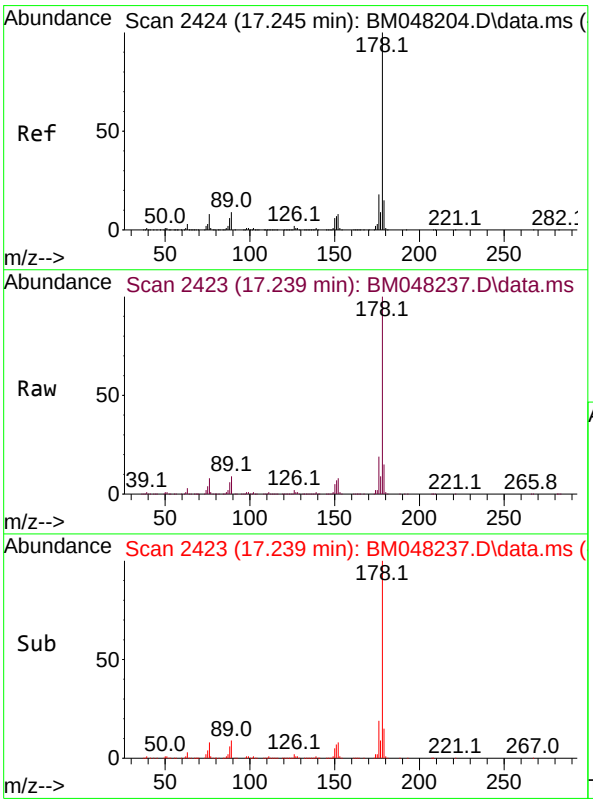
#71
Phenanthrene
Concen: 50.808 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:178 Resp: 1792677

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.4	18.6

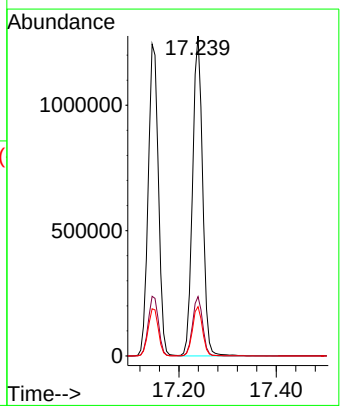


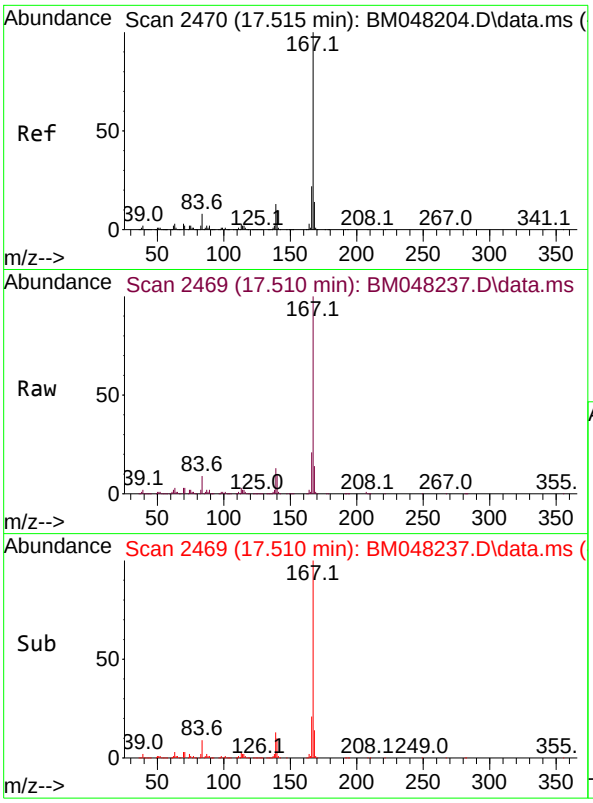


#72
Anthracene
Concen: 53.751 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:178 Resp: 1835874

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.2	18.2



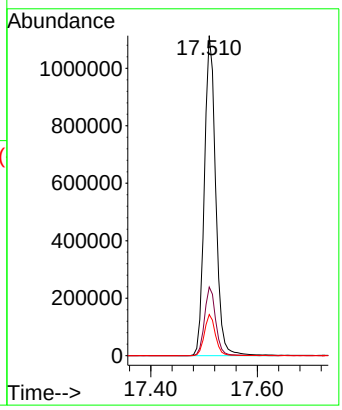


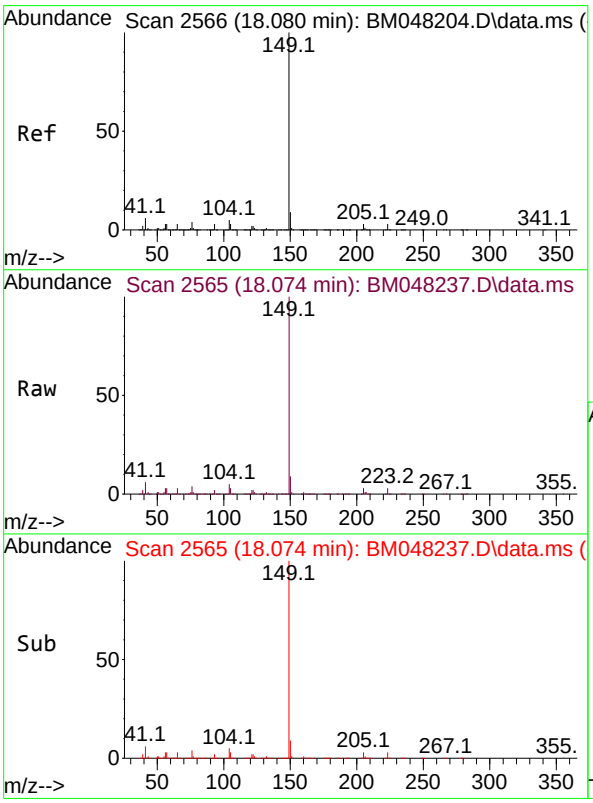
#73
Carbazole
Concen: 48.943 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:167 Resp: 1638769

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.9	10.4	15.6

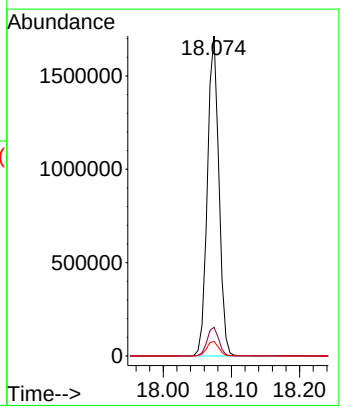


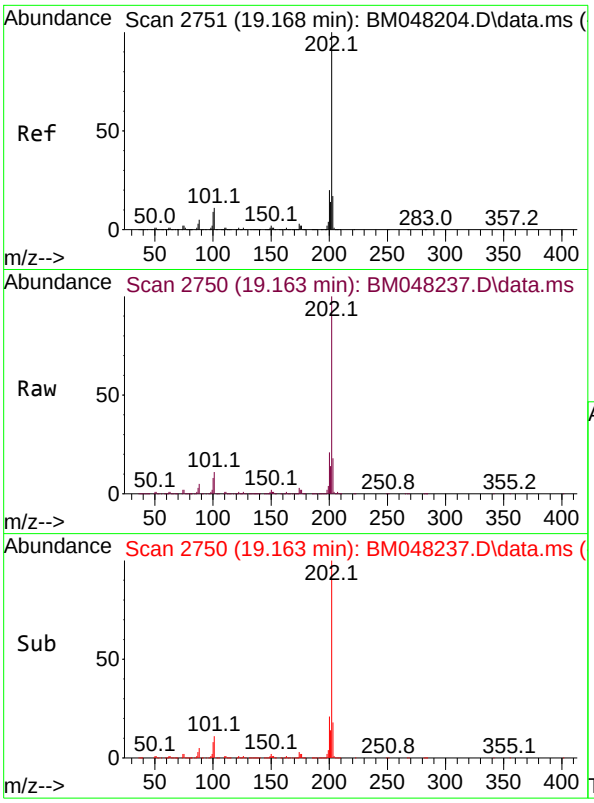


#74
Di-n-butylphthalate
Concen: 48.238 ng
RT: 18.074 min Scan# 2565
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:149 Resp: 2010401

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.2	10.8
104	4.6	3.8	5.6



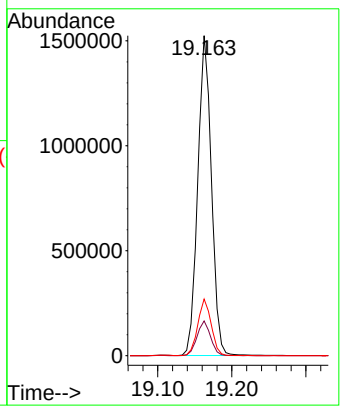


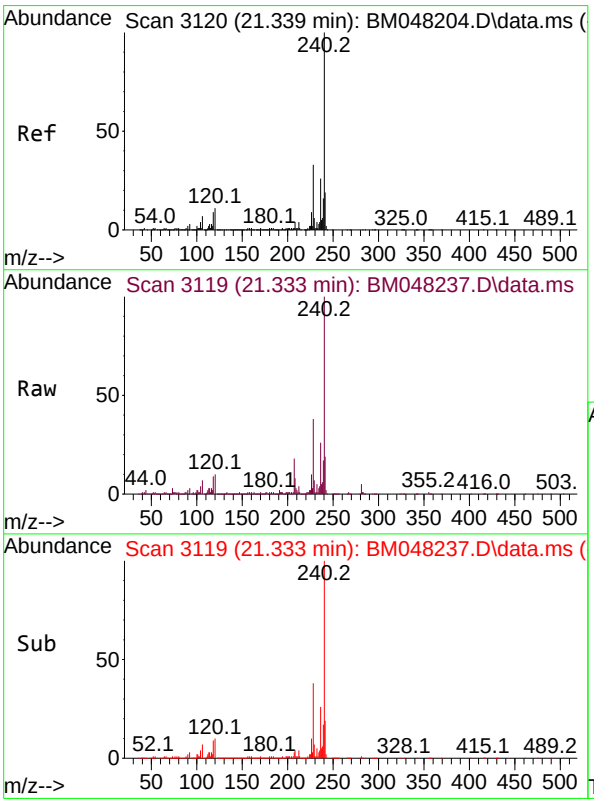
#75
Fluoranthene
Concen: 46.354 ng
RT: 19.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:202 Resp: 1950971

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.0
203	17.7	0.0	37.5

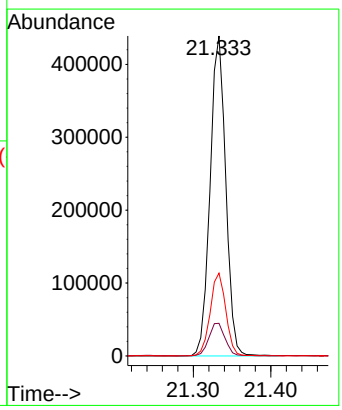


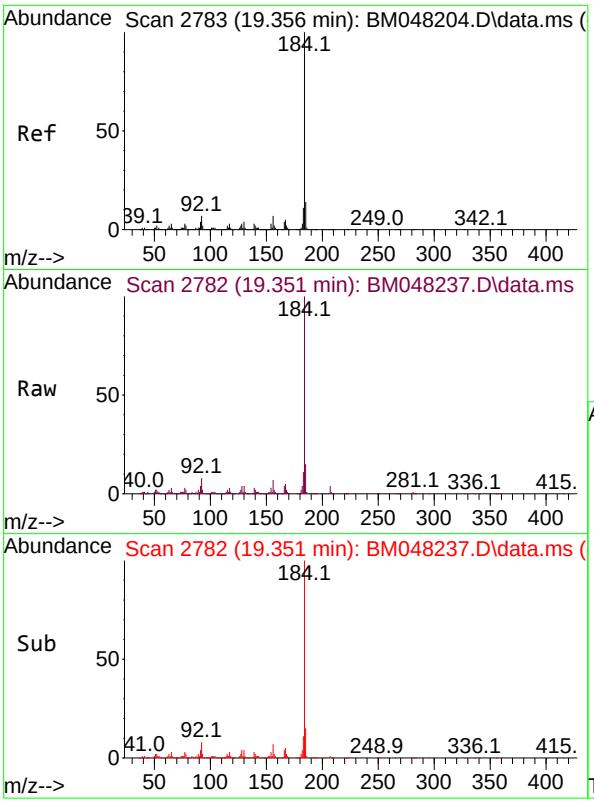


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:240 Resp: 616038

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.6	13.0
236	25.9	20.7	31.1



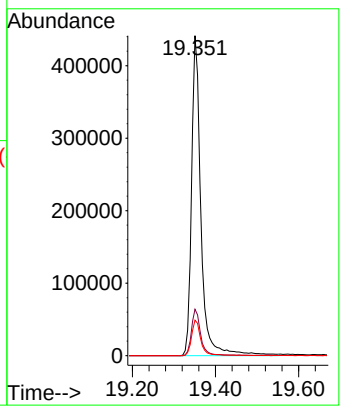


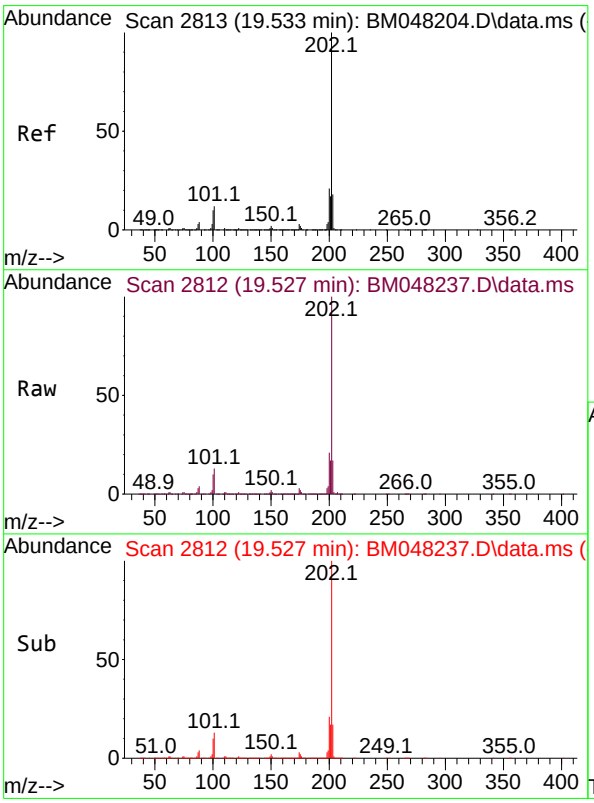
#77
Benzidine
Concen: 97.505 ng
RT: 19.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:184 Resp: 693232

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.0
183	11.1	9.0	13.4

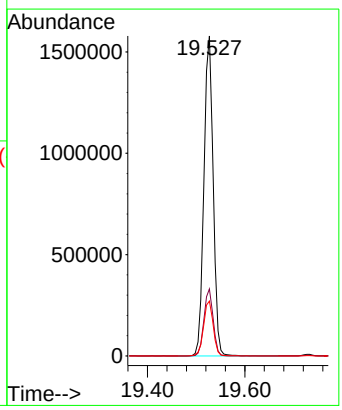


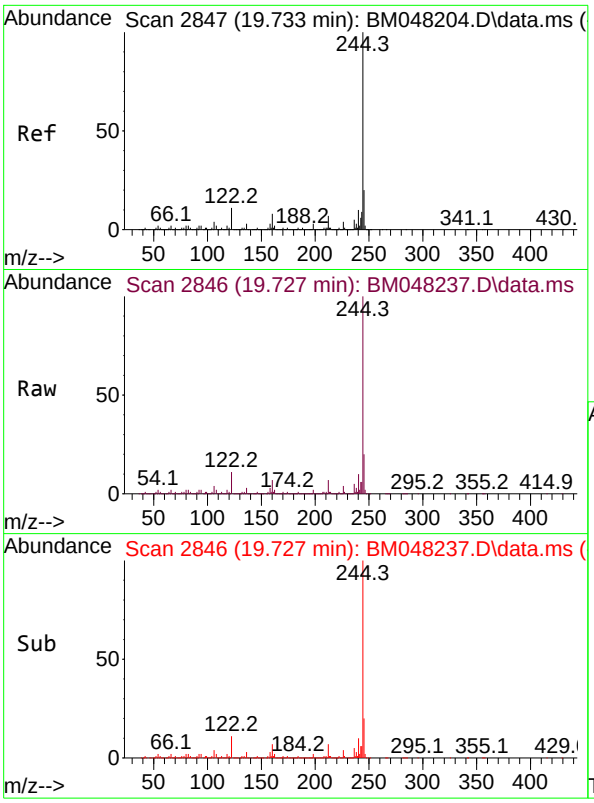


#78
Pyrene
Concen: 50.355 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:202 Resp: 2076321

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.1	14.1	21.1



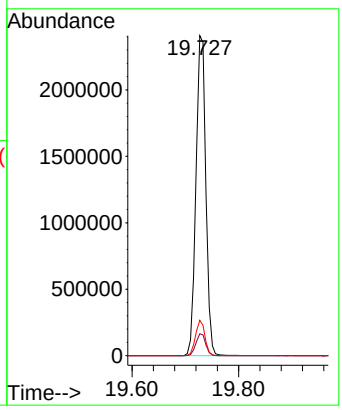


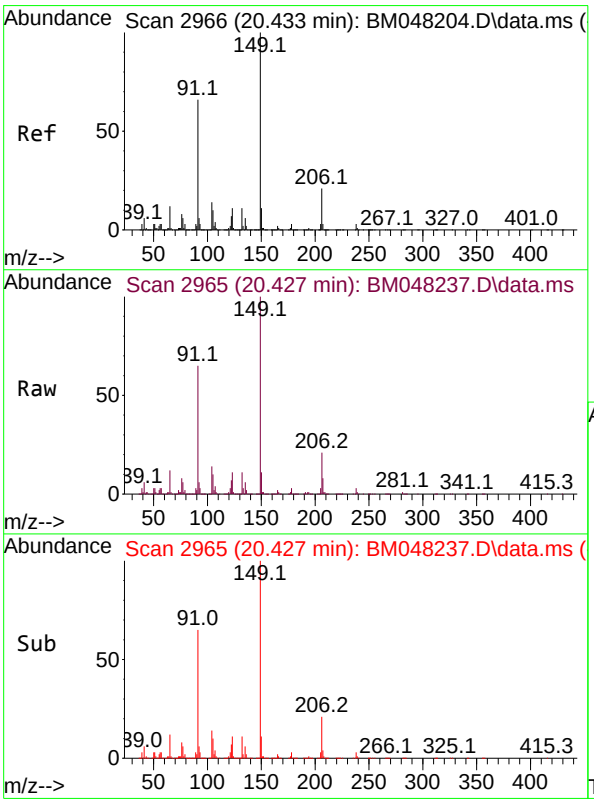
#79
Terphenyl-d14
Concen: 102.629 ng
RT: 19.727 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:244 Resp: 3098083

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.1	8.8	13.2

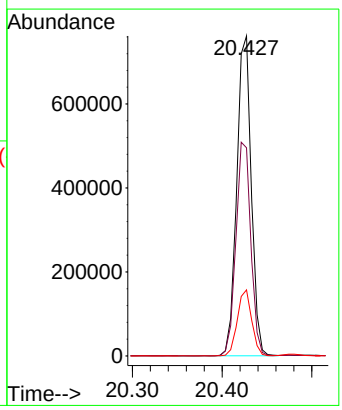


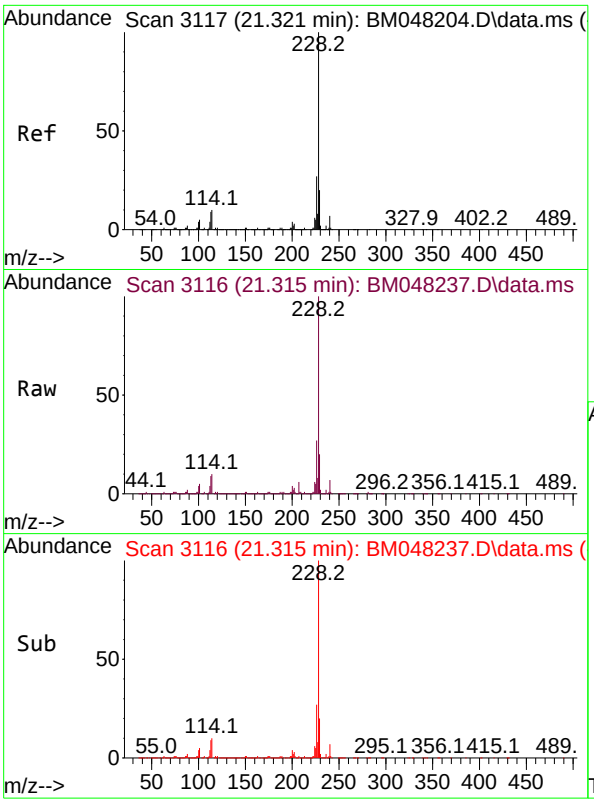


#80
Butylbenzylphthalate
Concen: 49.543 ng
RT: 20.427 min Scan# 2965
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:149 Resp: 854251

Ion	Ratio	Lower	Upper
149	100		
91	65.0	52.5	78.7
206	20.7	17.0	25.6



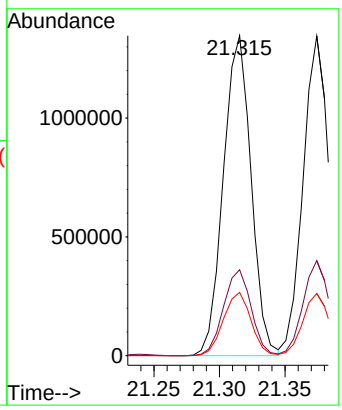


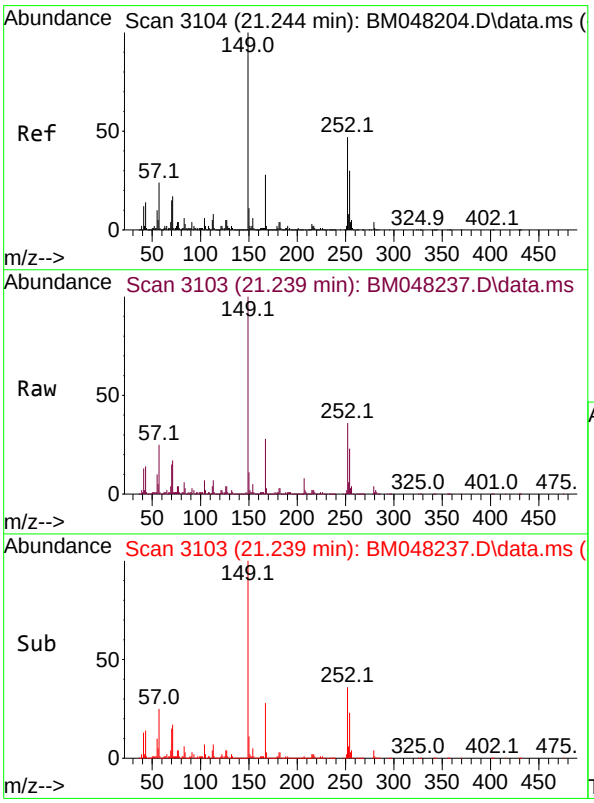
#81
Benzo(a)anthracene
Concen: 50.313 ng
RT: 21.315 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:228 Resp: 1980643

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.5	32.3
229	19.8	15.7	23.5

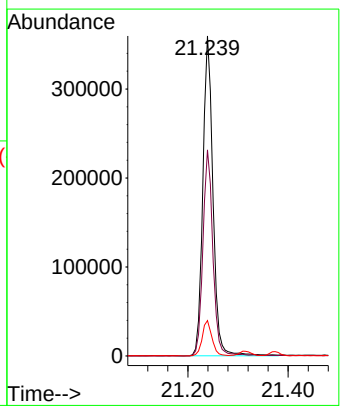


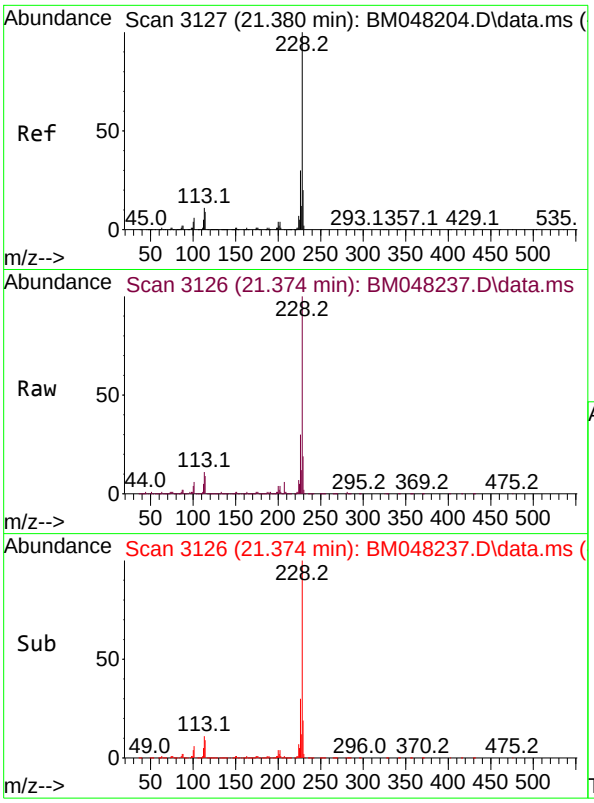


#82
3,3'-Dichlorobenzidine
Concen: 37.319 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:252 Resp: 503215

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.8
126	11.0	8.8	13.2



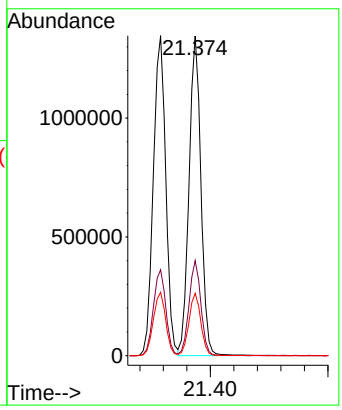


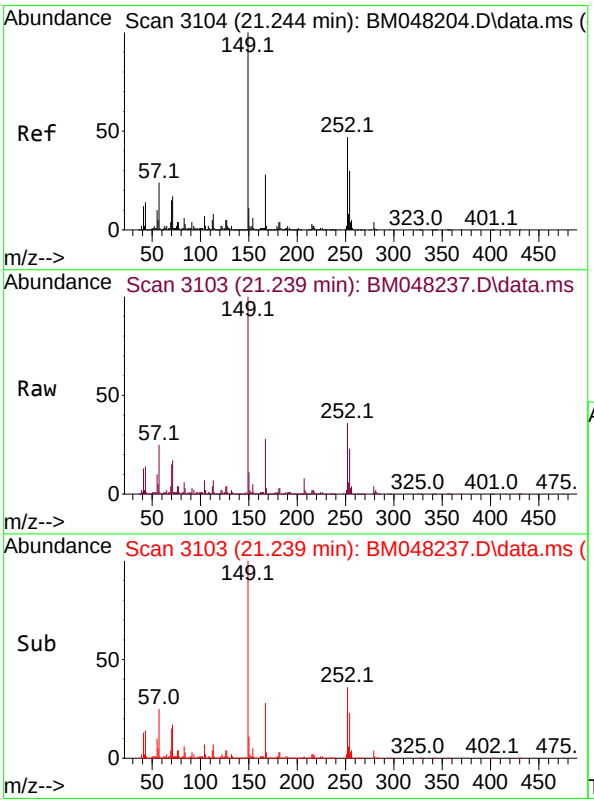
#83
Chrysene
Concen: 50.015 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:228 Resp: 1889892

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.5	35.3
229	19.5	15.7	23.5

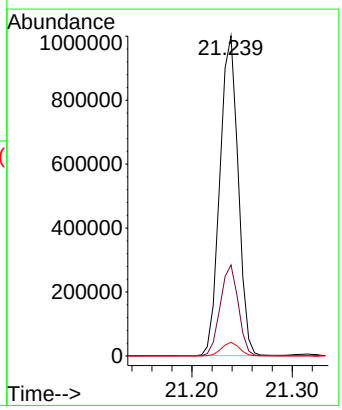


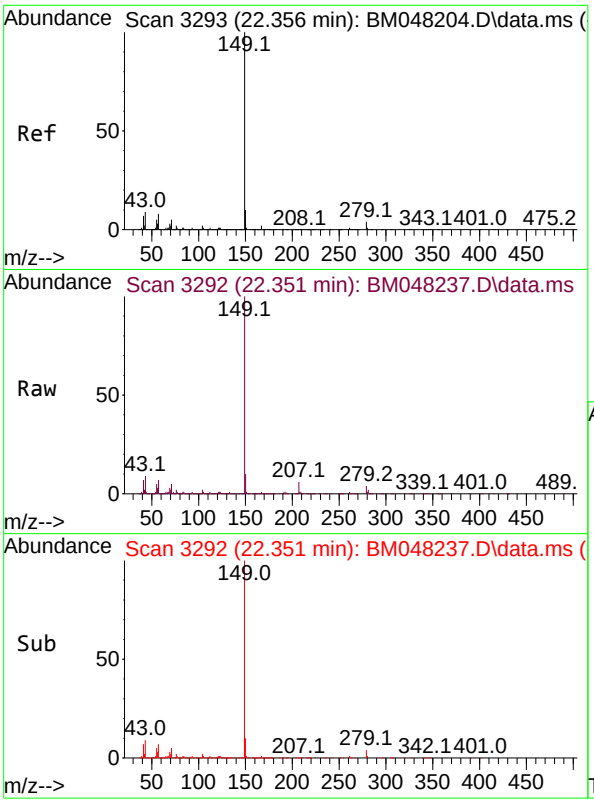


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.421 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:149 Resp: 1263594

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	4.3	3.3	4.9



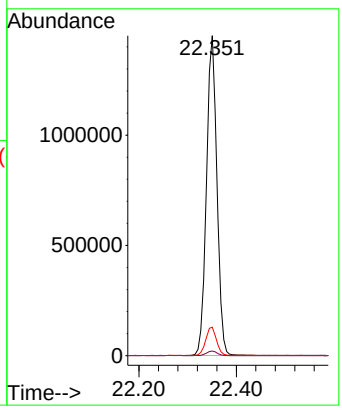


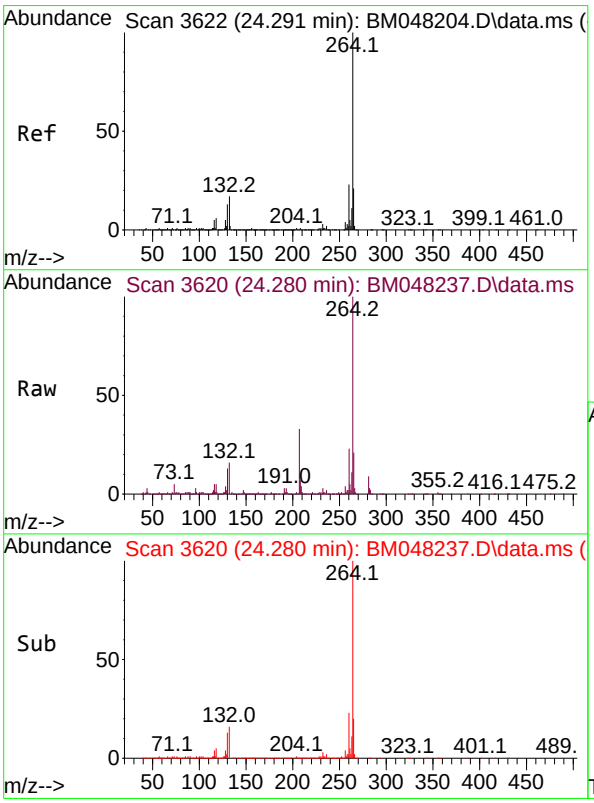
#85
Di-n-octyl phthalate
Concen: 49.521 ng
RT: 22.351 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:149 Resp: 2149398

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.1	7.3	10.9

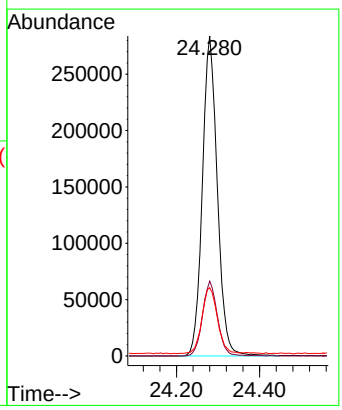


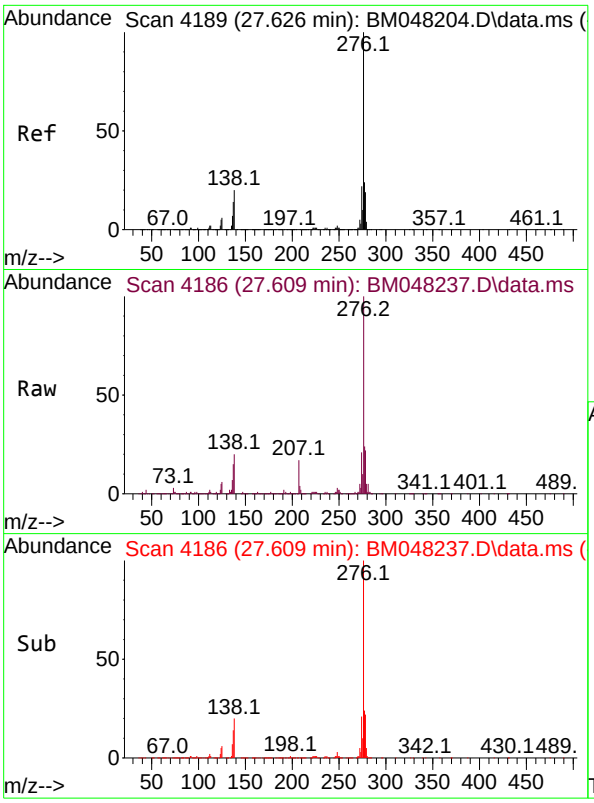


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.280 min Scan# 3620
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:264 Resp: 708876

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.3	17.4	26.2



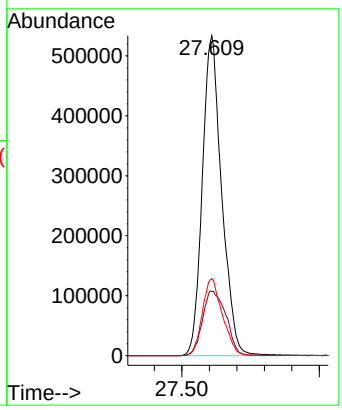


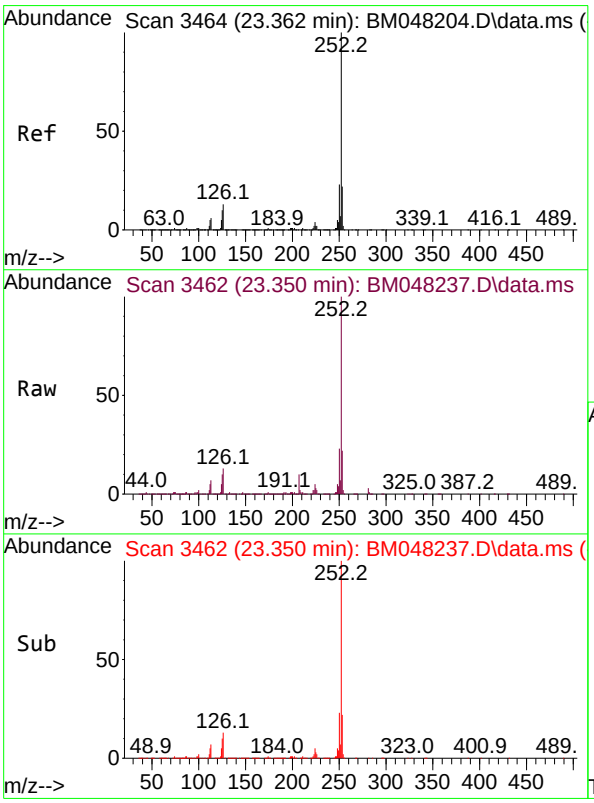
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.712 ng
RT: 27.609 min Scan# 4
Delta R.T. -0.017 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:276 Resp: 2611543

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.8	29.6
277	25.0	20.0	30.0

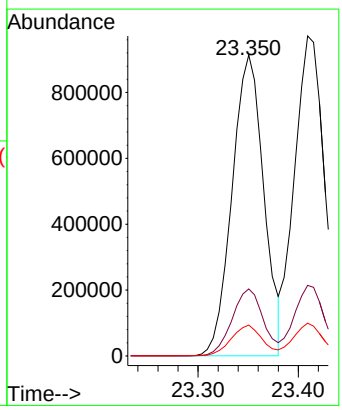


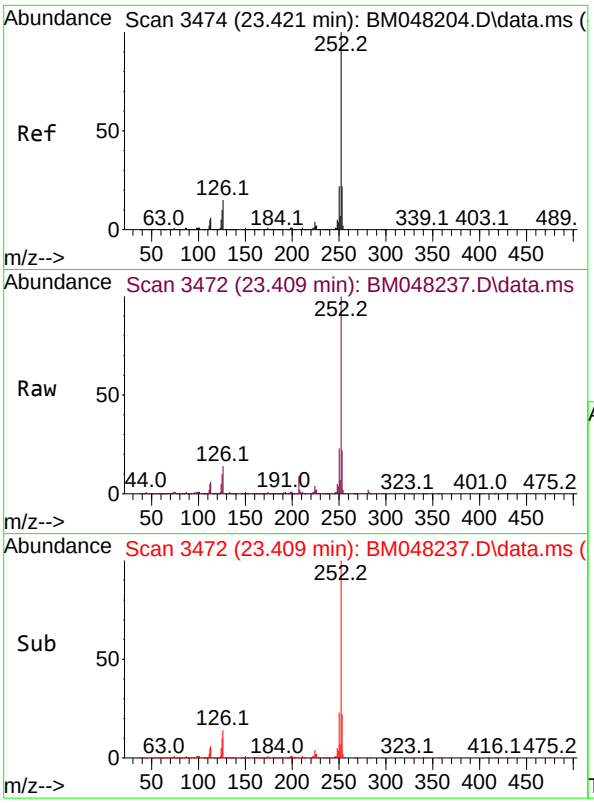


#88
Benzo(b)fluoranthene
Concen: 49.418 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:252 Resp: 2008564

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.2	7.9	11.9



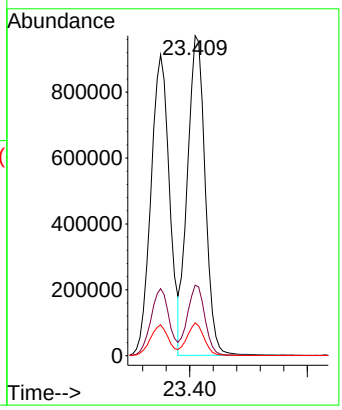


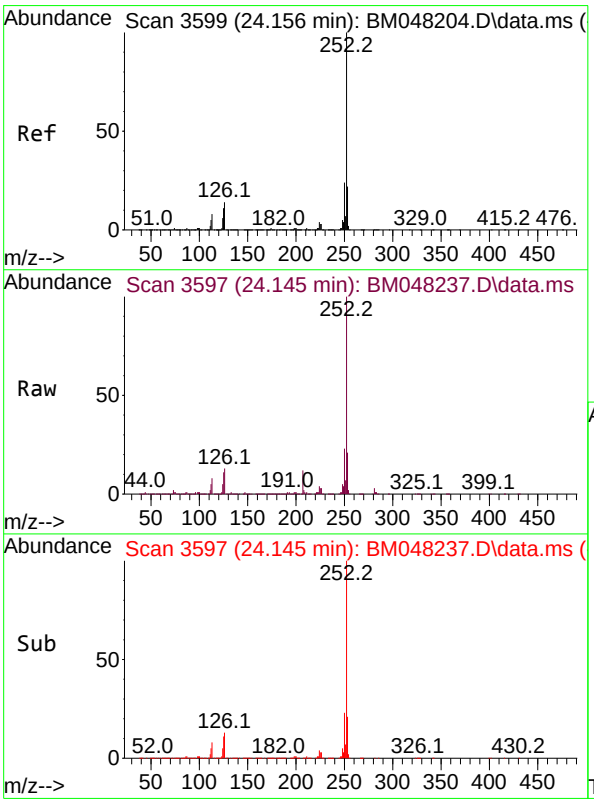
#89
Benzo(k)fluoranthene
Concen: 51.792 ng
RT: 23.409 min Scan# 34
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:252 Resp: 2035238

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.3	7.8	11.6

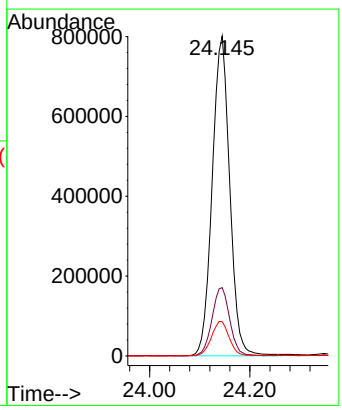


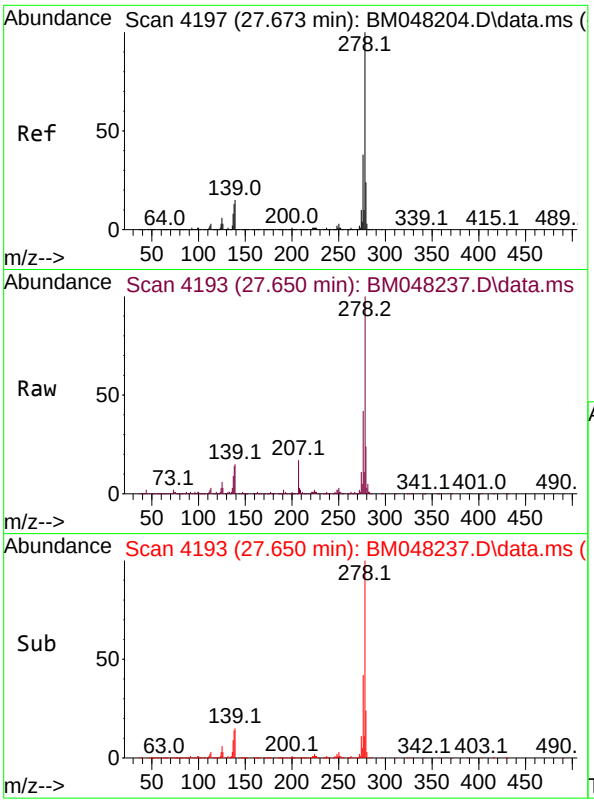


#90
Benzo(a)pyrene
Concen: 54.952 ng
RT: 24.145 min Scan# 3597
Delta R.T. -0.011 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:252 Resp: 1941733

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	10.7	8.8	13.2



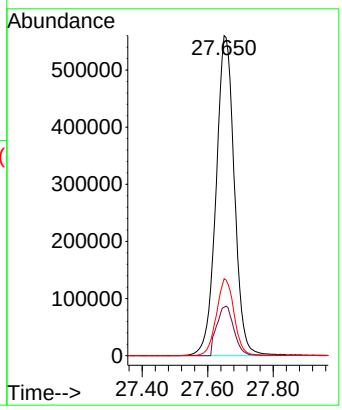


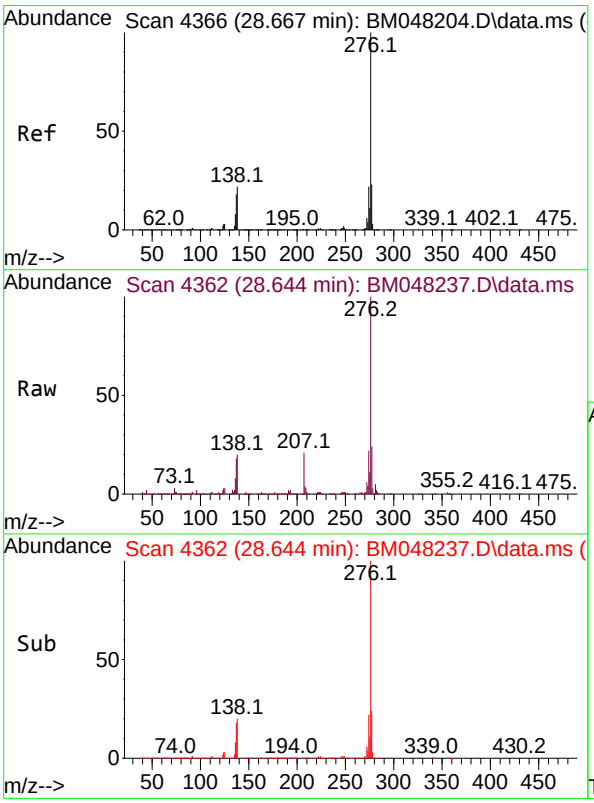
#91
Dibenzo(a,h)anthracene
Concen: 55.388 ng
RT: 27.650 min Scan# 41
Delta R.T. -0.023 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Tgt Ion:278 Resp: 2162109

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.2	18.4
279	24.1	19.0	28.6

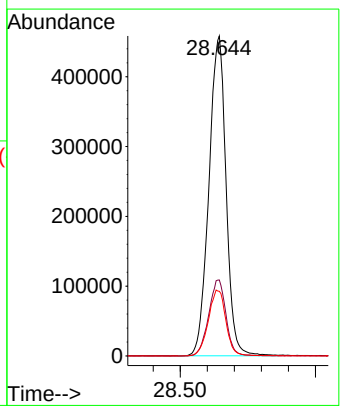




#92
Benzo(g,h,i)perylene
Concen: 50.501 ng
RT: 28.644 min Scan# 4362
Delta R.T. -0.023 min
Lab File: BM048237.D
Acq: 25 Oct 2024 15:42

Tgt Ion:276 Resp: 2018651

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.5	27.7
138	20.2	17.5	26.3



Raw Data: **BM048233.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BSD	SDG No.:	P4460
Lab Sample ID:	PB164369BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048233.D	1	10/23/24 09:50	10/25/24 12:58	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	14.2		4.00	10.0	ug/L
108-95-2	Phenol	49.6		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.8		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	50.0		0.71	5.00	ug/L
95-48-7	2-Methylphenol	48.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.4		1.40	5.00	ug/L
98-86-2	Acetophenone	47.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.4		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.8		1.50	2.50	ug/L
67-72-1	Hexachloroethane	46.1		1.00	5.00	ug/L
98-95-3	Nitrobenzene	46.8		1.30	5.00	ug/L
78-59-1	Isophorone	47.3		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	50.6		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	60.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.6		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	50.0		0.88	5.00	ug/L
91-20-3	Naphthalene	46.7		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	20.7		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.5		1.30	5.00	ug/L
105-60-2	Caprolactam	41.5		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.9		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.5		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	210	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.7		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	49.3		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	48.5		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	50.2		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	47.4		0.93	5.00	ug/L

Raw Data: **BM048233.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BSD	SDG No.:	P4460
Lab Sample ID:	PB164369BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048233.D	1	10/23/24 09:50	10/25/24 12:58	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	51.7		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.0		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	29.2		1.40	5.00	ug/L
83-32-9	Acenaphthene	48.8		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.2	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	96.1	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	47.5		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.6		1.50	5.00	ug/L
84-66-2	Diethylphthalate	46.1		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.7		0.98	5.00	ug/L
86-73-7	Fluorene	45.8		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	45.4		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.3		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	52.9		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	50.7		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.4		1.10	5.00	ug/L
1912-24-9	Atrazine	64.2		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	97.2	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	50.2		0.89	5.00	ug/L
120-12-7	Anthracene	52.6		1.10	5.00	ug/L
86-74-8	Carbazole	47.5		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.3		1.30	5.00	ug/L
129-00-0	Pyrene	54.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.8		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	34.7		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	50.9		0.94	5.00	ug/L
218-01-9	Chrysene	50.1		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.9		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	51.5		1.10	5.00	ug/L

Raw Data: **BM048233.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BSD	SDG No.:	P4460
Lab Sample ID:	PB164369BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048233.D	1	10/23/24 09:50	10/25/24 12:58	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.5		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.6		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	48.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.6		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	40.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	146		15 (10) - 110 (139)	97%	SPK: 150
13127-88-3	Phenol-d6	135		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (48) - 130 (125)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	7.716			
1146-65-2	Naphthalene-d8	913000	10.504			
15067-26-2	Acenaphthene-d10	513000	14.363			
1517-22-2	Phenanthrene-d10	916000	17.104			
1719-03-5	Chrysene-d12	699000	21.333			
1520-96-3	Perylene-d12	738000	24.28			

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_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	239298	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	913341	20.000	ng	-0.01
39) Acenaphthene-d10	14.363	164	513456	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	916015	20.000	ng	0.00
76) Chrysene-d12	21.333	240	699111	20.000	ng	0.00
86) Perylene-d12	24.280	264	737917	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	2081138	146.189	ng	0.00
7) Phenol-d6	6.904	99	2505490	135.141	ng	0.00
23) Nitrobenzene-d5	8.875	82	1533785	94.819	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	829498	131.986	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	3228427	96.484	ng	0.00
79) Terphenyl-d14	19.733	244	3755388	109.621	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	233263	40.029	ng	99
3) Pyridine	3.605	79	623685	40.290	ng	99
4) n-Nitrosodimethylamine	3.511	42	318581	48.471	ng	99
6) Aniline	7.052	93	758054	49.258	ng	98
8) 2-Chlorophenol	7.287	128	774078	50.049	ng	100
9) Benzaldehyde	6.863	77	129106	14.174	ng	100
10) Phenol	6.928	94	924498	49.564	ng	99
11) bis(2-Chloroethyl)ether	7.146	93	725750	48.849	ng	99
12) 1,3-Dichlorobenzene	7.604	146	823926	46.207	ng	99
13) 1,4-Dichlorobenzene	7.751	146	833847	46.031	ng	98
14) 1,2-Dichlorobenzene	8.069	146	809563	46.241	ng	99
15) Benzyl Alcohol	7.963	79	614029	51.914	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.240	45	1072710	49.363	ng	98
17) 2-Methylphenol	8.169	107	605318	48.837	ng	99
18) Hexachloroethane	8.793	117	306345	46.140	ng	95
19) n-Nitroso-di-n-propyla...	8.528	70	525529	44.805	ng	99
20) 3+4-Methylphenols	8.498	107	813980	47.407	ng	98
22) Acetophenone	8.540	105	1066939	47.865	ng	99
24) Nitrobenzene	8.916	77	784288	46.795	ng	99
25) Isophorone	9.445	82	1402532	47.302	ng	99
26) 2-Nitrophenol	9.628	139	391898	50.642	ng	99
27) 2,4-Dimethylphenol	9.693	122	572056	60.930	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	911890	48.601	ng	98
29) 2,4-Dichlorophenol	10.163	162	675572	50.020	ng	99
30) 1,2,4-Trichlorobenzene	10.375	180	710506	45.933	ng	99
31) Naphthalene	10.557	128	2223360	46.674	ng	99
32) Benzoic acid	9.863	122	446917	42.764	ng	98
33) 4-Chloroaniline	10.675	127	319702	20.693	ng	99
34) Hexachlorobutadiene	10.845	225	445942	46.516	ng	97
35) Caprolactam	11.469	113	181897	41.460	ng	94
36) 4-Chloro-3-methylphenol	11.810	107	647545	45.928	ng	99
37) 2-Methylnaphthalene	12.175	142	1480825	46.527	ng	99
38) 1-Methylnaphthalene	12.398	142	1375410	43.580	ng	100
40) 1,2,4,5-Tetrachloroben...	12.551	216	742646	50.604	ng	98
41) Hexachlorocyclopentadiene	12.528	237	1020250	205.439	ng	98
43) 2,4,6-Trichlorophenol	12.792	196	504377	51.788	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

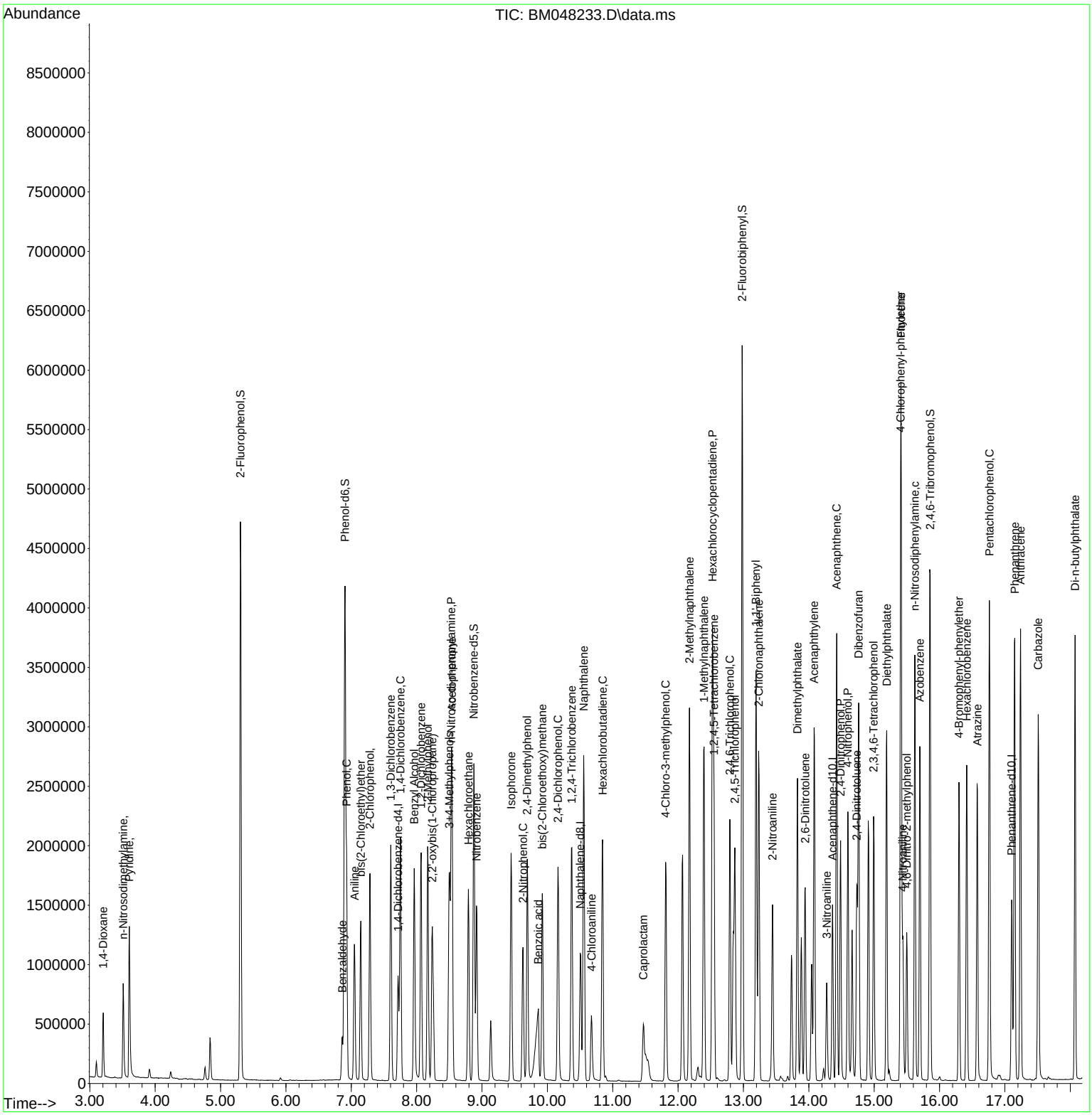
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	540050	49.726	ng	99
46) 1,1'-Biphenyl	13.192	154	1806463	49.278	ng	99
47) 2-Chloronaphthalene	13.233	162	1401582	48.490	ng	99
48) 2-Nitroaniline	13.445	65	393385	50.179	ng	98
49) Acenaphthylene	14.080	152	2178347	51.656	ng	99
50) Dimethylphthalate	13.828	163	1662733	47.436	ng	99
51) 2,6-Dinitrotoluene	13.945	165	360034	46.034	ng	97
52) Acenaphthene	14.428	154	1307350	48.791	ng	99
53) 3-Nitroaniline	14.275	138	215340	29.196	ng	99
54) 2,4-Dinitrophenol	14.486	184	439629	96.193	ng	99
55) Dibenzofuran	14.763	168	2020924	47.472	ng	99
56) 4-Nitrophenol	14.598	139	632429	96.074	ng	96
57) 2,4-Dinitrotoluene	14.733	165	481215	46.593	ng	100
58) Fluorene	15.410	166	1543051	45.839	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	434654	48.284	ng	99
60) Diethylphthalate	15.192	149	1634653	46.060	ng	99
61) 4-Chlorophenyl-phenyle...	15.404	204	785377	46.662	ng	98
62) 4-Nitroaniline	15.439	138	346297	45.366	ng	99
63) Azobenzene	15.698	77	1545366	48.584	ng	100
65) 4,6-Dinitro-2-methylph...	15.498	198	277984	52.303	ng	99
66) n-Nitrosodiphenylamine	15.622	169	1329437	52.868	ng	100
67) 4-Bromophenyl-phenylether	16.298	248	471288	50.746	ng	99
68) Hexachlorobenzene	16.416	284	550844	49.383	ng	99
69) Atrazine	16.580	200	451420	64.158	ng	98
70) Pentachlorophenol	16.763	266	712070	97.233	ng	100
71) Phenanthrene	17.151	178	2277951	50.221	ng	99
72) Anthracene	17.239	178	2309397	52.595	ng	99
73) Carbazole	17.510	167	2043704	47.479	ng	99
74) Di-n-butylphthalate	18.074	149	2603062	48.584	ng	100
75) Fluoranthene	19.162	202	2398028	44.320	ng	99
77) Benzidine	19.351	184	846649	104.934	ng	100
78) Pyrene	19.527	202	2548311	54.459	ng	100
80) Butylbenzylphthalate	20.427	149	1033558	52.820	ng	99
81) Benzo(a)anthracene	21.315	228	2272826	50.875	ng	99
82) 3,3'-Dichlorobenzidine	21.239	252	531097	34.706	ng	99
83) Chrysene	21.374	228	2146699	50.061	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	1475826	51.892	ng	99
85) Di-n-octyl phthalate	22.351	149	2440203	49.541	ng	100
87) Indeno(1,2,3-cd)pyrene	27.603	276	2639431	54.091	ng	100
88) Benzo(b)fluoranthene	23.350	252	2179954	51.524	ng	100
89) Benzo(k)fluoranthene	23.409	252	2154133	52.660	ng	99
90) Benzo(a)pyrene	24.145	252	2042425	55.526	ng	99
91) Dibenzo(a,h)anthracene	27.656	278	2177602	53.589	ng	99
92) Benzo(g,h,i)perylene	28.638	276	2034294	48.889	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

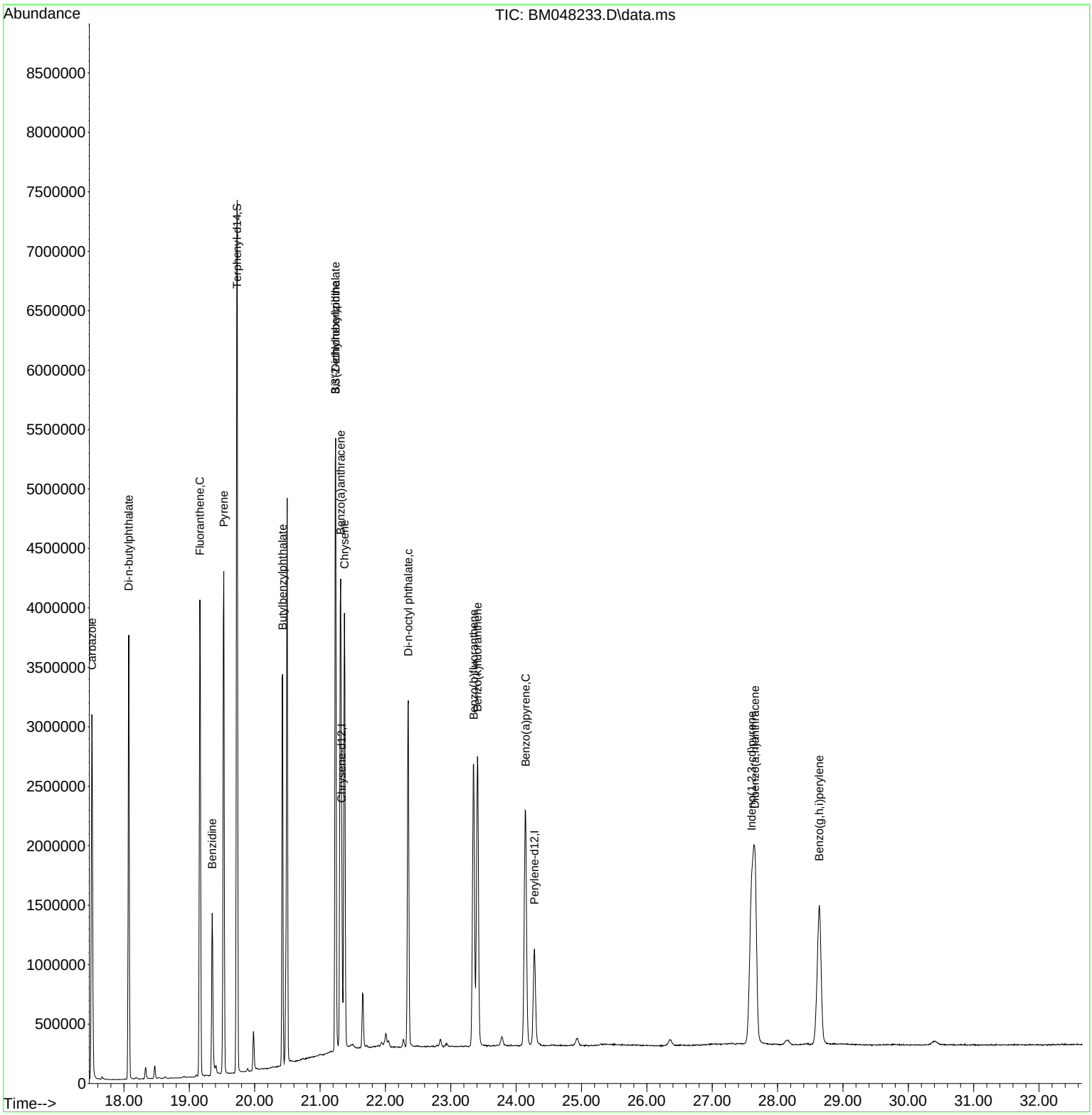
Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

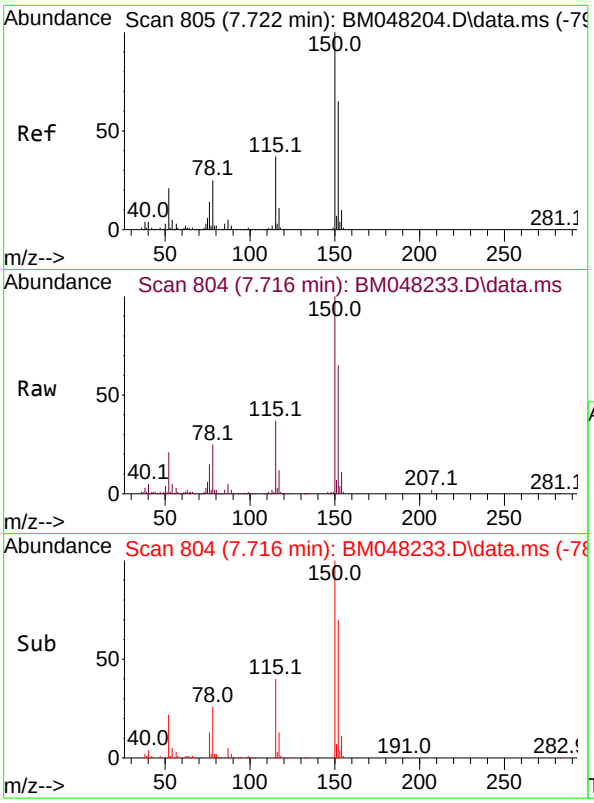


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



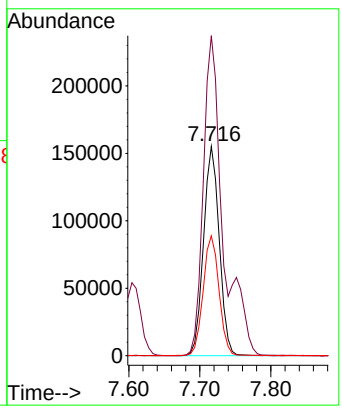


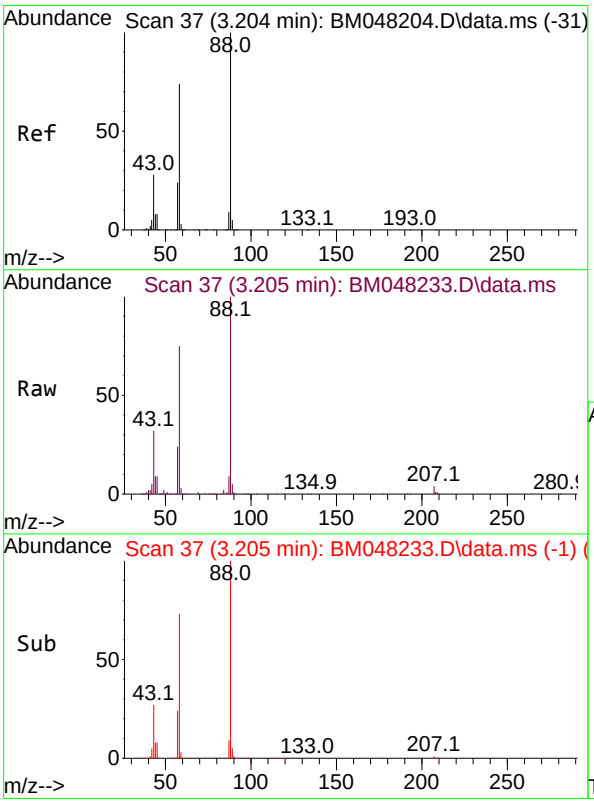
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:152 Resp: 239298

Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.0	184.6
115	57.2	45.8	68.6

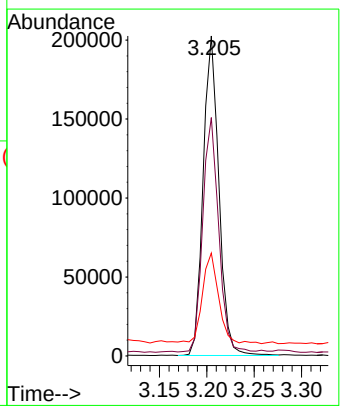


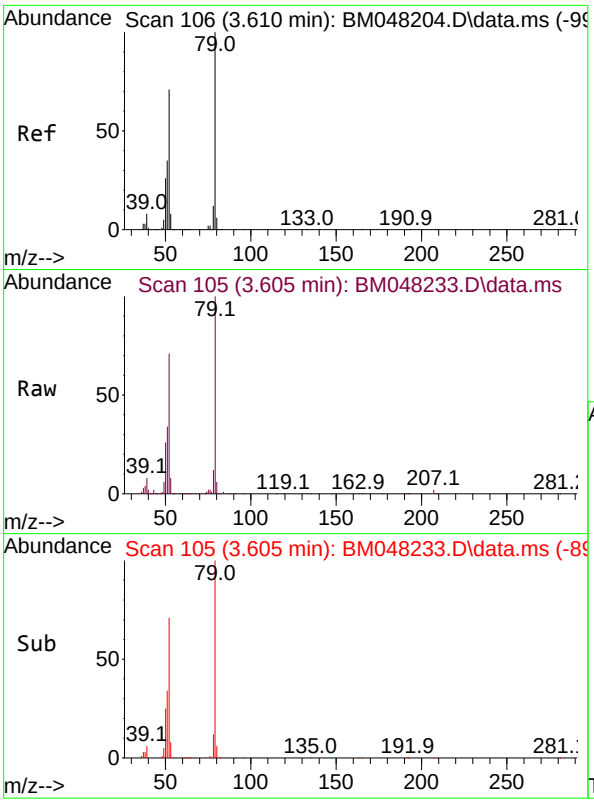


#2
1,4-Dioxane
Concen: 40.029 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 88 Resp: 233263

Ion	Ratio	Lower	Upper
88	100		
58	73.8	59.7	89.5
43	29.4	22.6	33.8



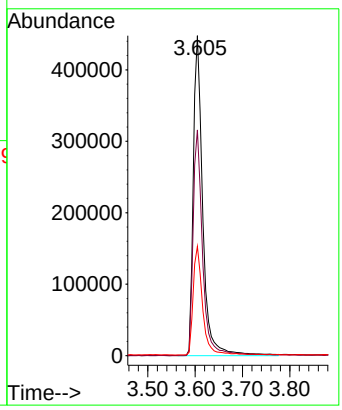


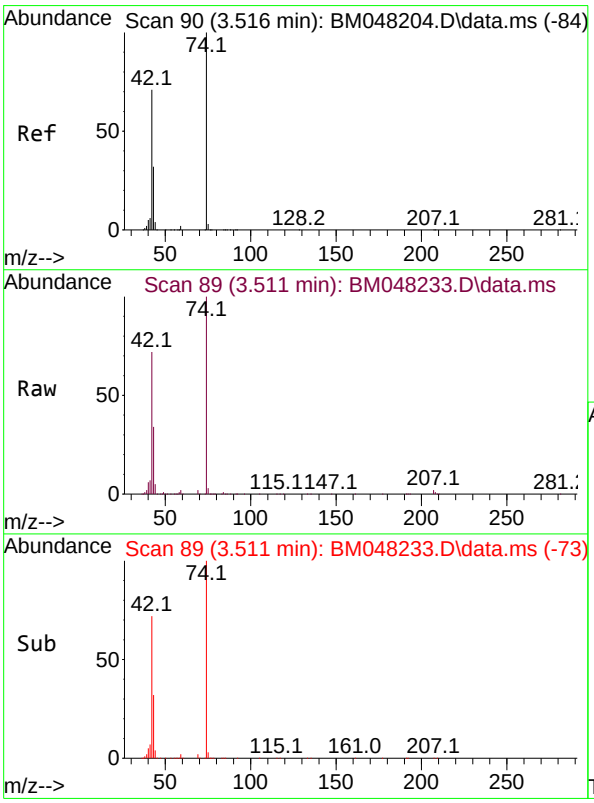
#3
Pyridine
Concen: 40.290 ng
RT: 3.605 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 79 Resp: 623685

Ion	Ratio	Lower	Upper
79	100		
52	70.5	56.5	84.7
51	34.2	28.5	42.7

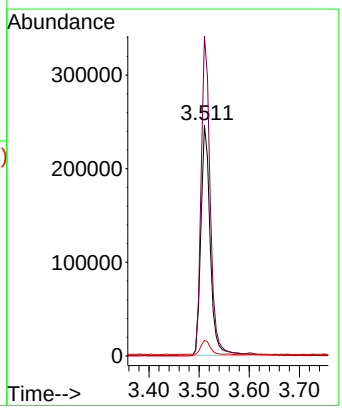


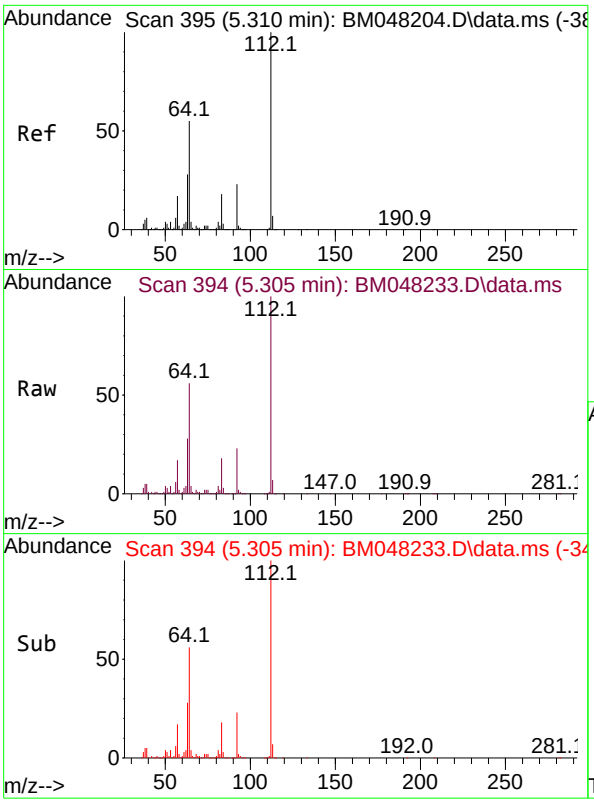


#4
n-Nitrosodimethylamine
Concen: 48.471 ng
RT: 3.511 min Scan# 89
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 42 Resp: 318581

Ion	Ratio	Lower	Upper
42	100		
74	138.6	111.8	167.6
44	6.7	6.0	9.0



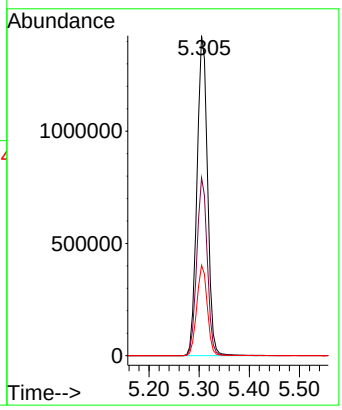


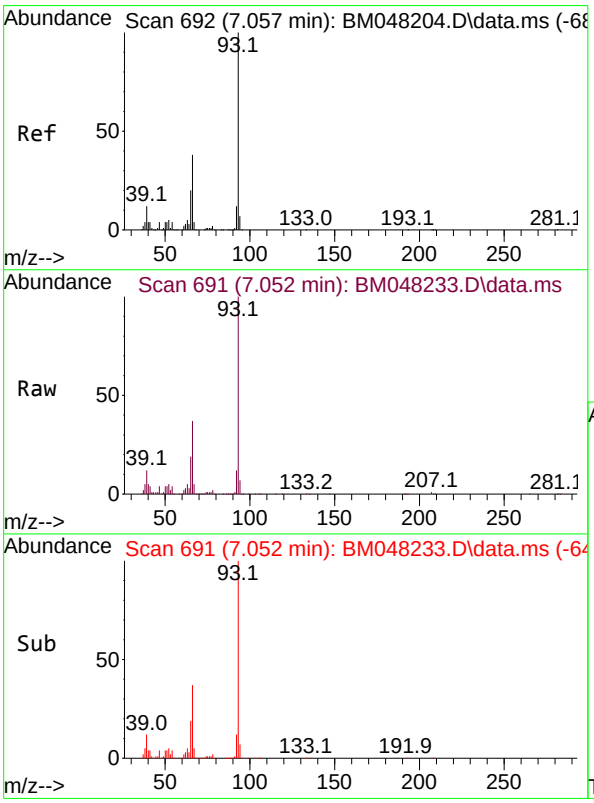
#5
2-Fluorophenol
Concen: 146.189 ng
RT: 5.305 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:112 Resp: 2081138

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.2	66.2
63	28.3	22.7	34.1

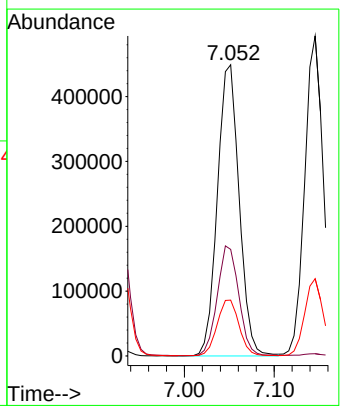


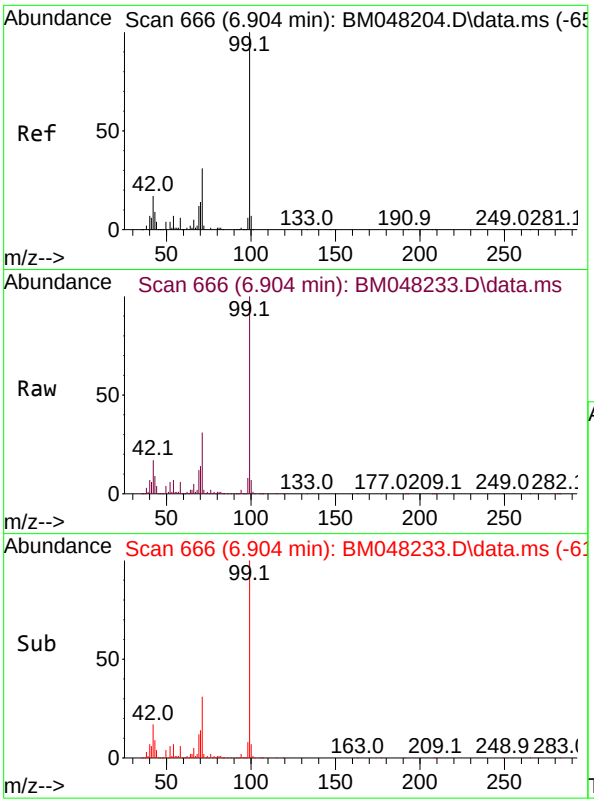


#6
Aniline
Concen: 49.258 ng
RT: 7.052 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 93 Resp: 758054

Ion	Ratio	Lower	Upper
93	100		
66	36.6	30.2	45.2
65	19.2	16.2	24.2



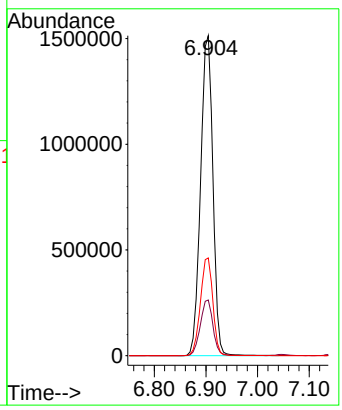


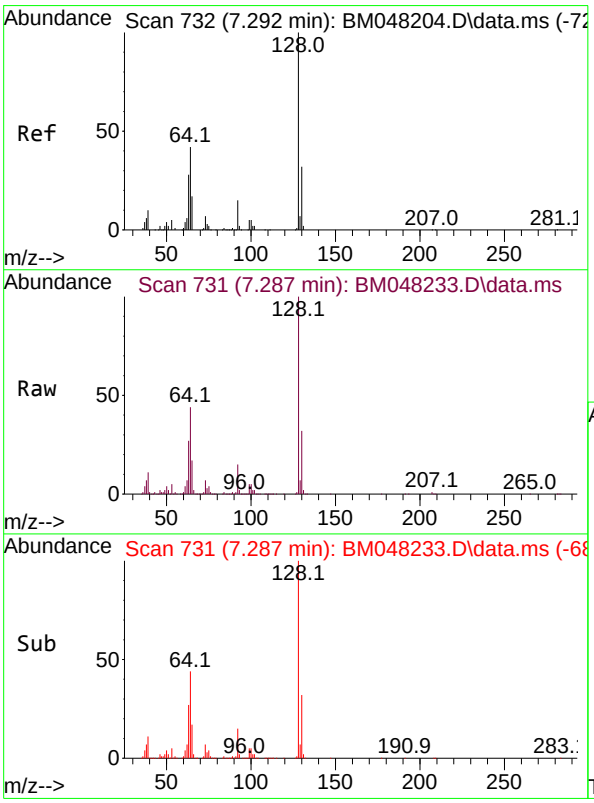
#7
Phenol-d6
Concen: 135.141 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 99 Resp: 2505490

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.8	20.8
71	30.6	24.9	37.3

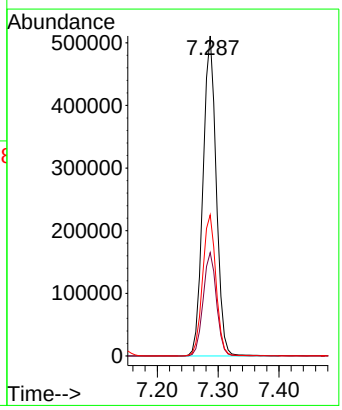


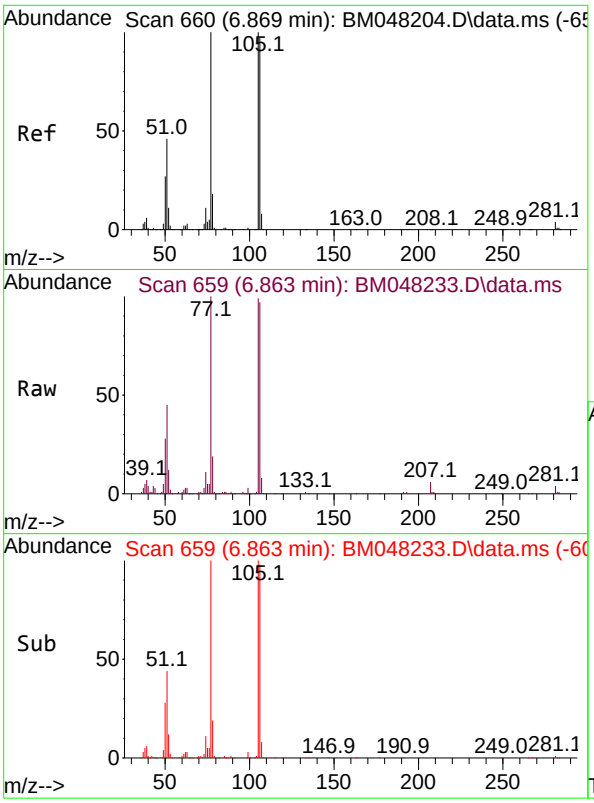


#8
2-Chlorophenol
Concen: 50.049 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:128 Resp: 774078

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.1	52.1
64	44.1	23.8	63.8



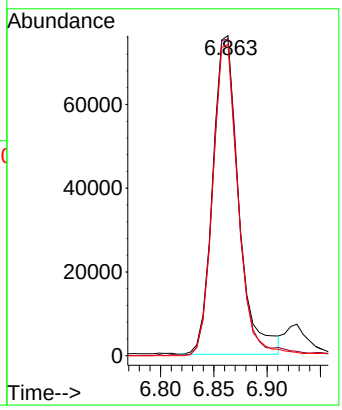


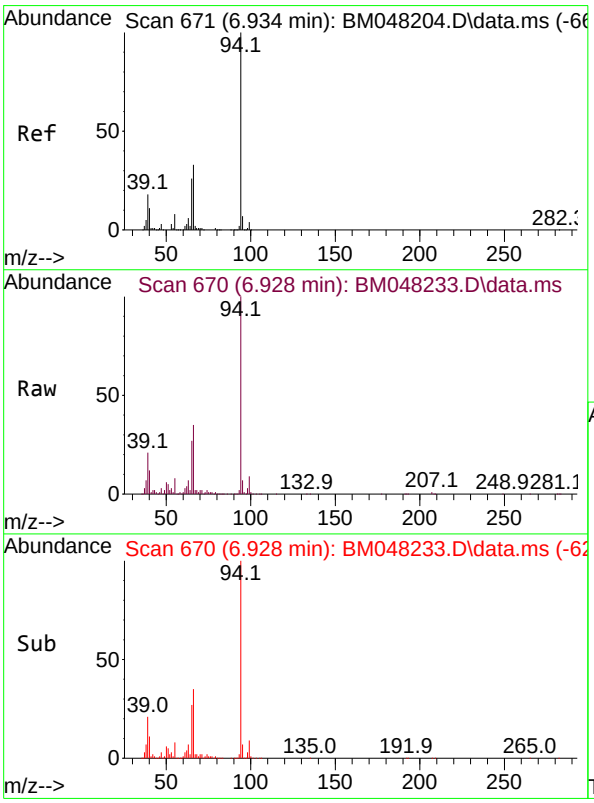
#9
Benzaldehyde
Concen: 14.174 ng
RT: 6.863 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 77 Resp: 129106

Ion	Ratio	Lower	Upper
77	100		
105	99.0	79.6	119.6
106	97.2	77.0	117.0

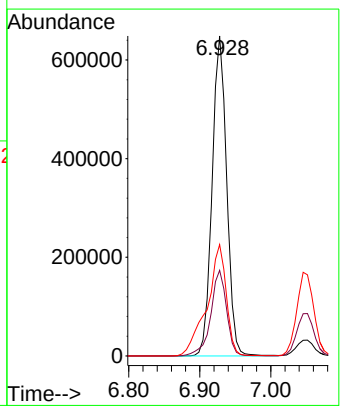


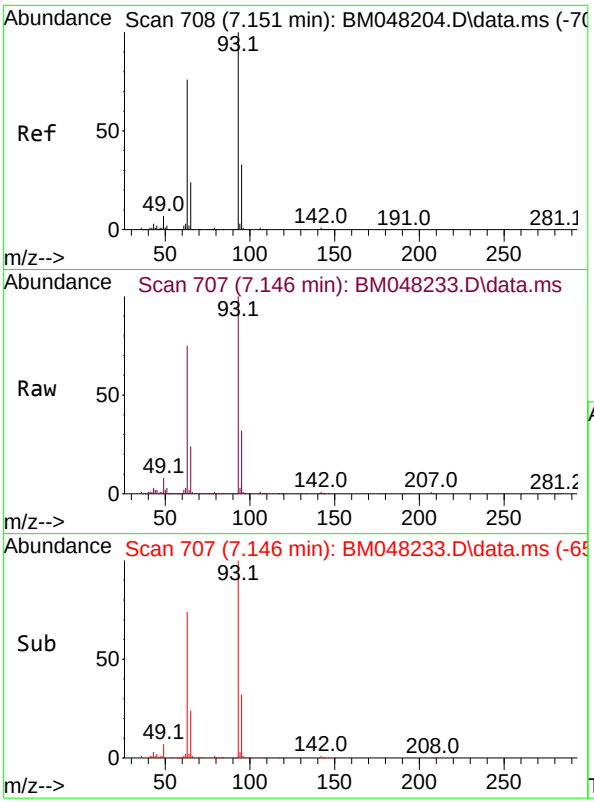


#10
Phenol
Concen: 49.564 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 94 Resp: 924498

Ion	Ratio	Lower	Upper
94	100		
65	26.8	6.5	46.5
66	34.8	13.6	53.6



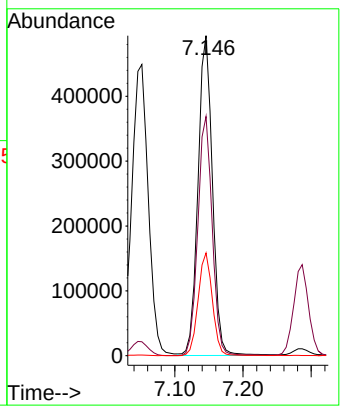


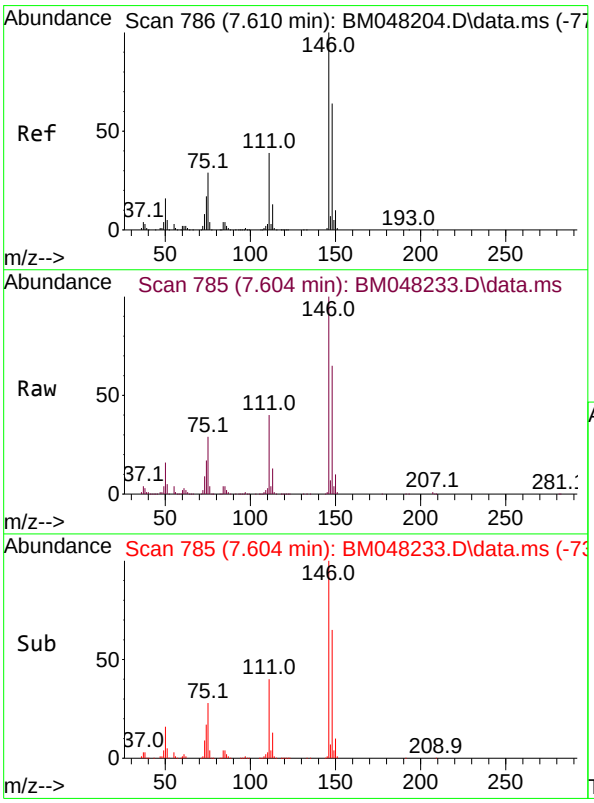
#11
bis(2-Chloroethyl)ether
Concen: 48.849 ng
RT: 7.146 min Scan# 7(
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 93 Resp: 725750

Ion	Ratio	Lower	Upper
93	100		
63	74.8	55.3	95.3
95	32.1	12.4	52.4

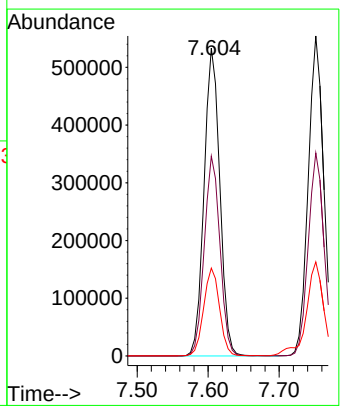


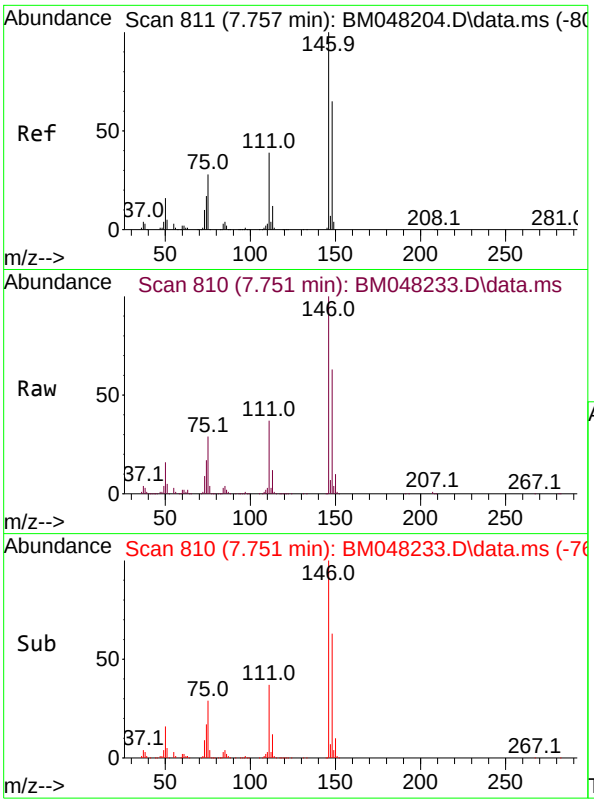


#12
1,3-Dichlorobenzene
Concen: 46.207 ng
RT: 7.604 min Scan# 785
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:146 Resp: 823926

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.6
75	28.6	22.9	34.3



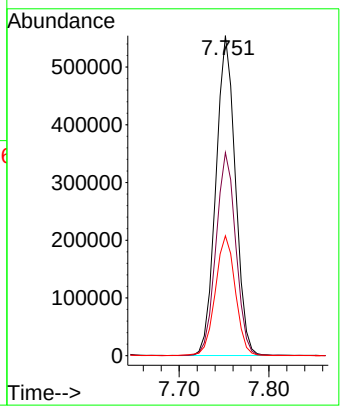


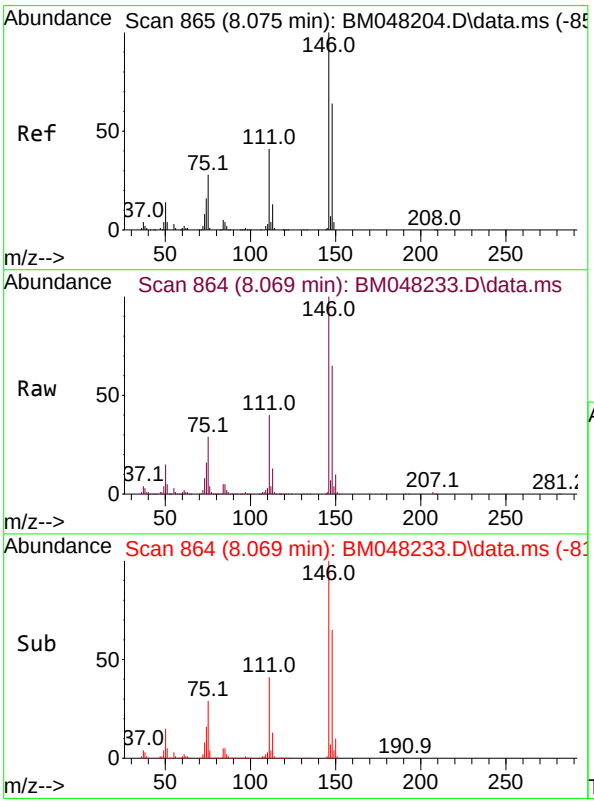
#13
1,4-Dichlorobenzene
Concen: 46.031 ng
RT: 7.751 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:146 Resp: 833847

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.7	77.5
111	37.5	31.4	47.2

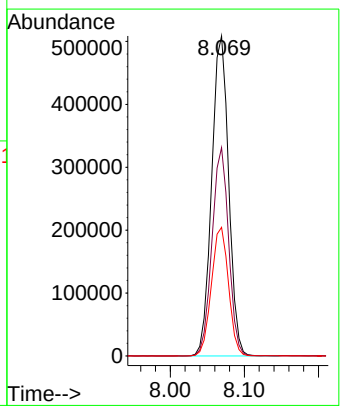


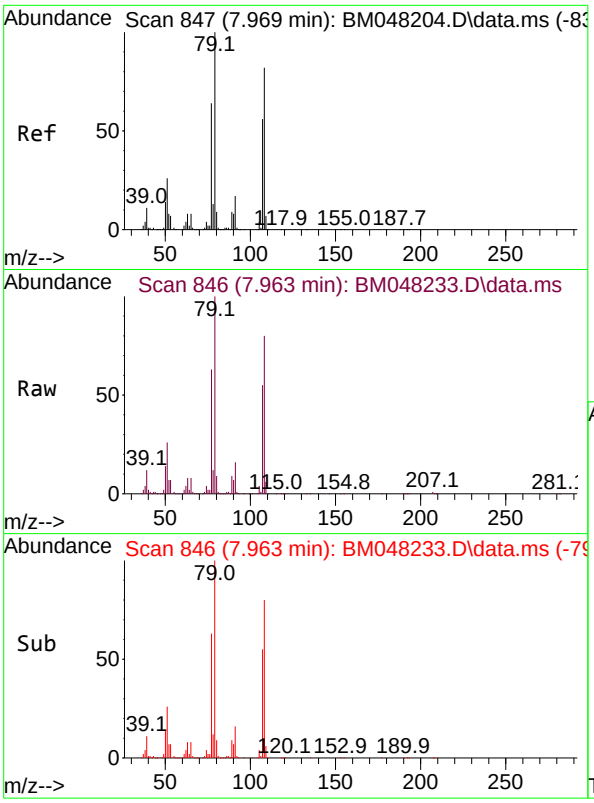


#14
1,2-Dichlorobenzene
Concen: 46.241 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:146 Resp: 809563

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.3	76.9
111	40.2	32.7	49.1



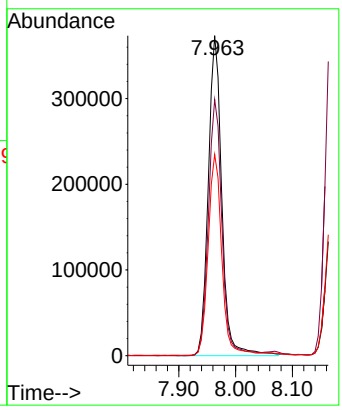


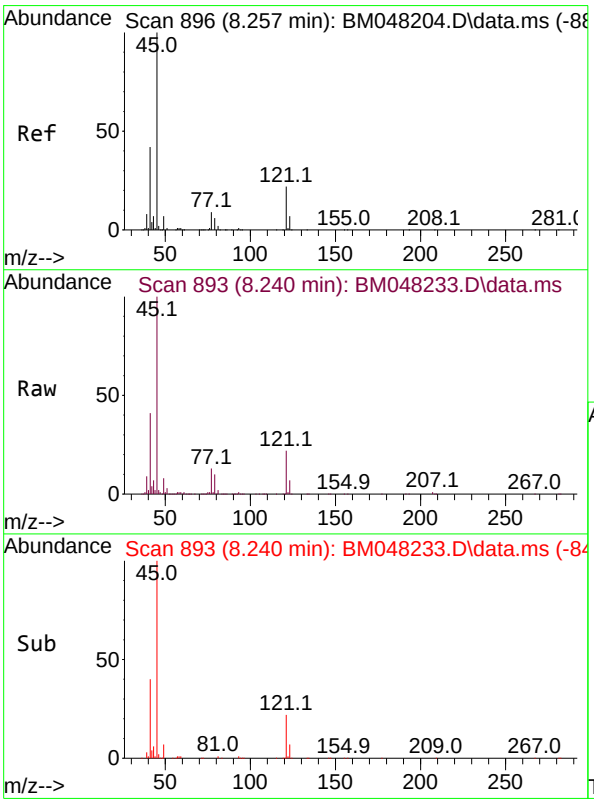
#15
Benzyl Alcohol
Concen: 51.914 ng
RT: 7.963 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 79 Resp: 614029

Ion	Ratio	Lower	Upper
79	100		
108	80.0	65.2	97.8
77	62.9	51.4	77.2

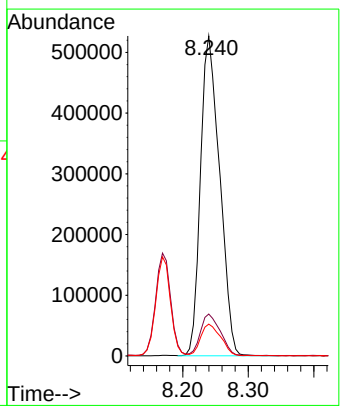


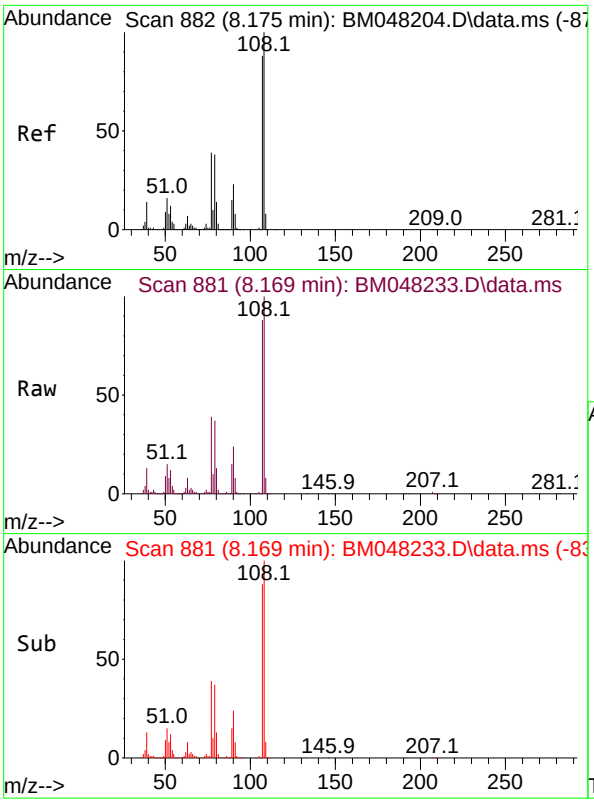


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.363 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 45 Resp: 1072710

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	34.2
79	10.0	0.0	30.7



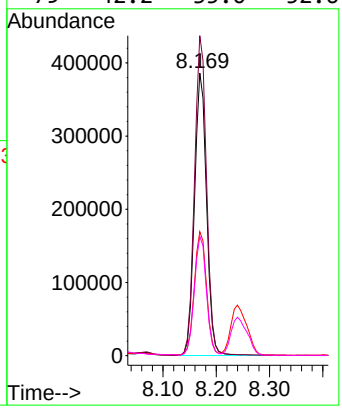


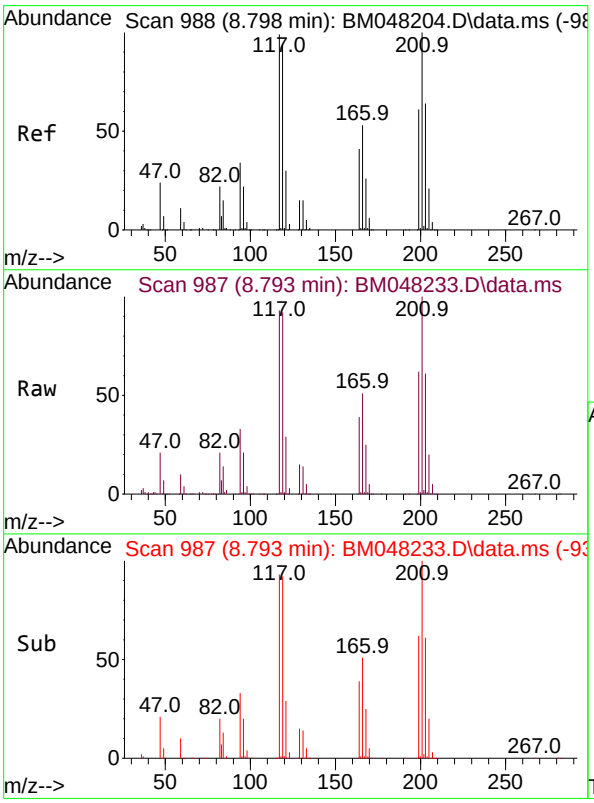
#17
2-Methylphenol
Concen: 48.837 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:107 Resp: 605318

Ion	Ratio	Lower	Upper
107	100		
108	113.2	91.3	136.9
77	43.8	36.2	54.2
79	42.2	35.0	52.6

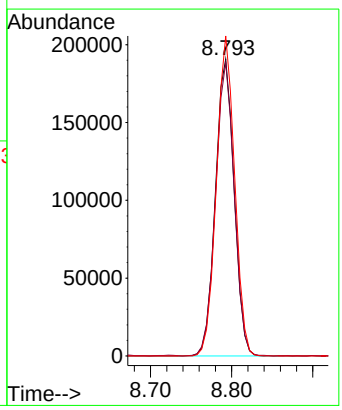


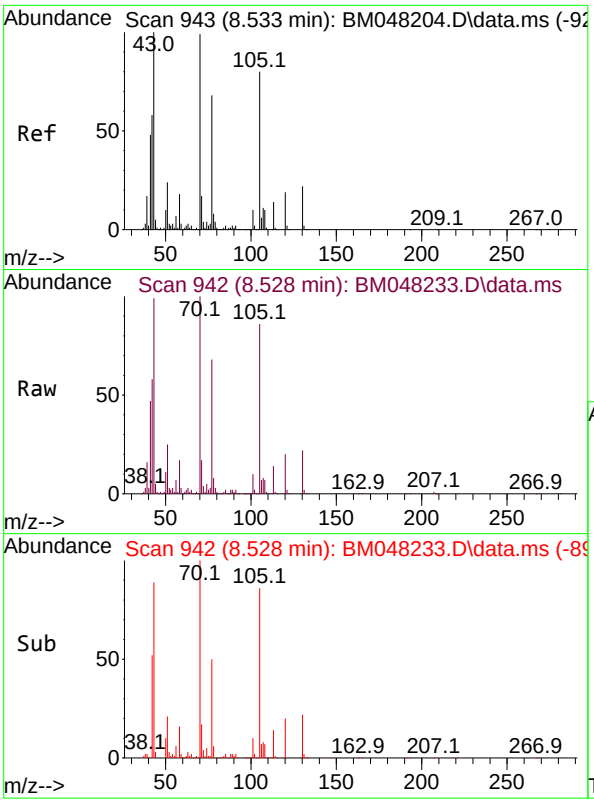


#18
Hexachloroethane
Concen: 46.140 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:117 Resp: 306345

Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.5	114.7
201	107.7	80.9	121.3



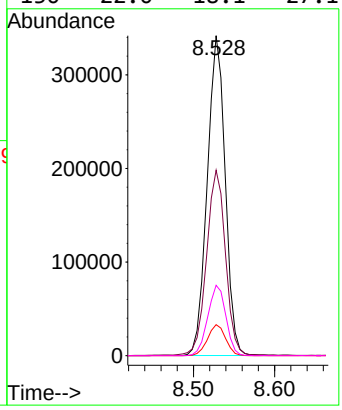


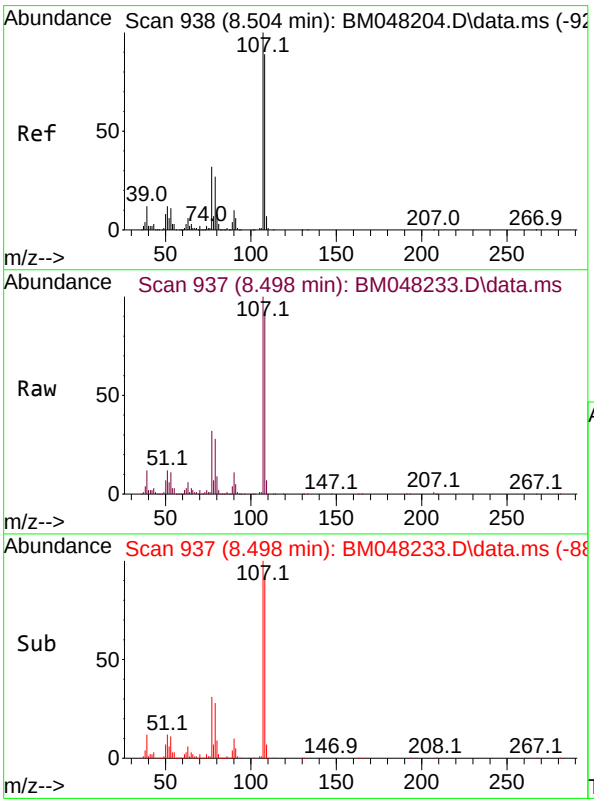
#19
n-Nitroso-di-n-propylamine
Concen: 44.805 ng
RT: 8.528 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 70 Resp: 525529

Ion	Ratio	Lower	Upper
70	100		
42	58.0	47.0	70.6
101	9.7	7.8	11.6
130	22.0	18.1	27.1

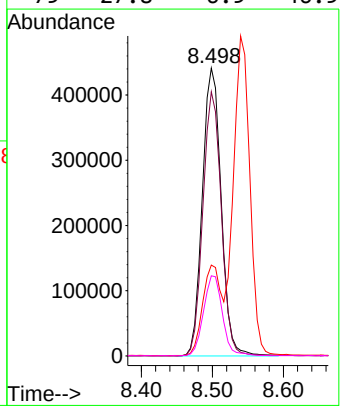


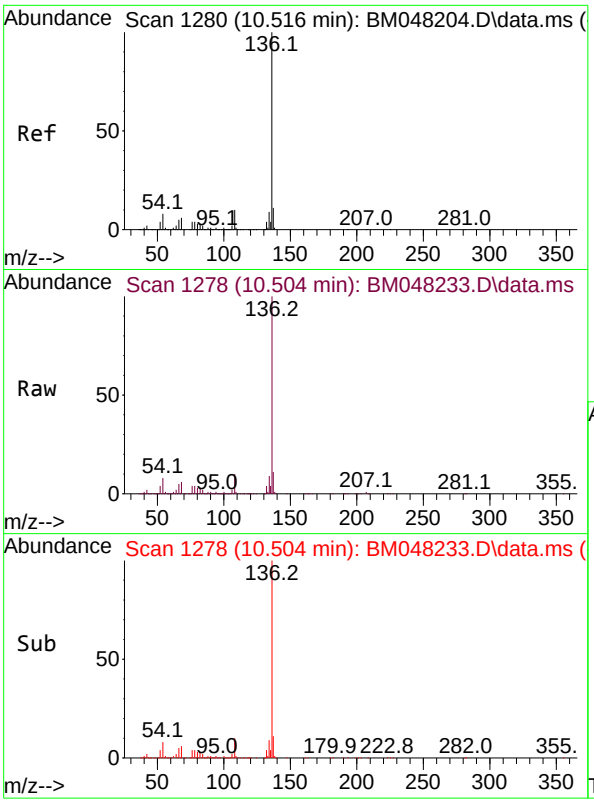


#20
3+4-Methylphenols
Concen: 47.407 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:107 Resp: 813980

Ion	Ratio	Lower	Upper
107	100		
108	91.8	69.0	109.0
77	31.6	12.3	52.3
79	27.8	6.9	46.9



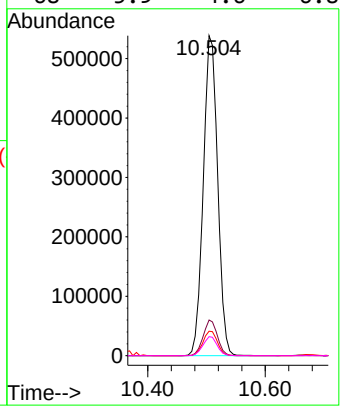


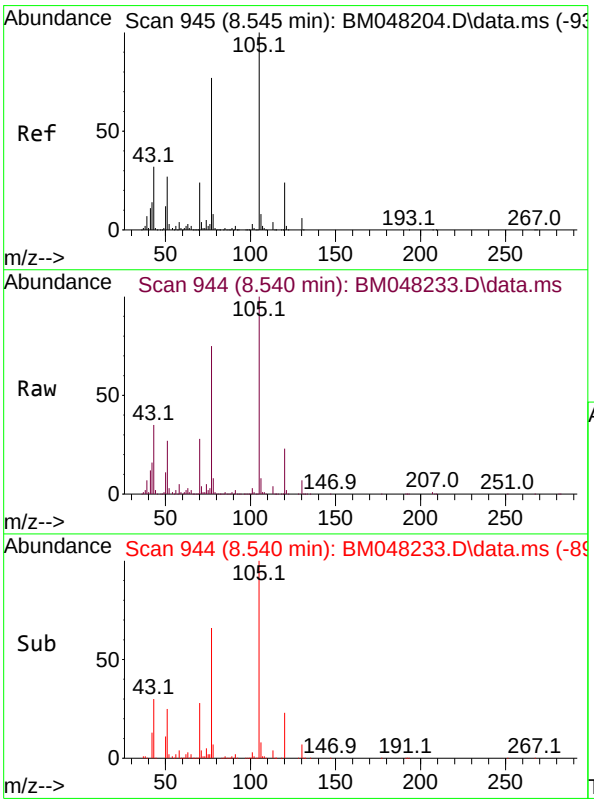
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:136 Resp: 913341

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.6	6.5	9.7
68	5.9	4.6	6.8

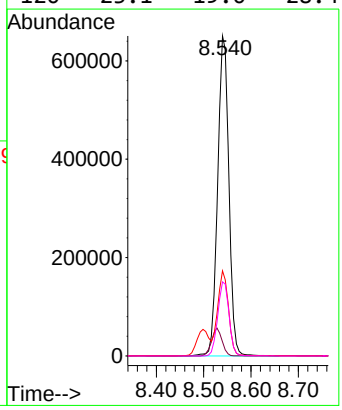


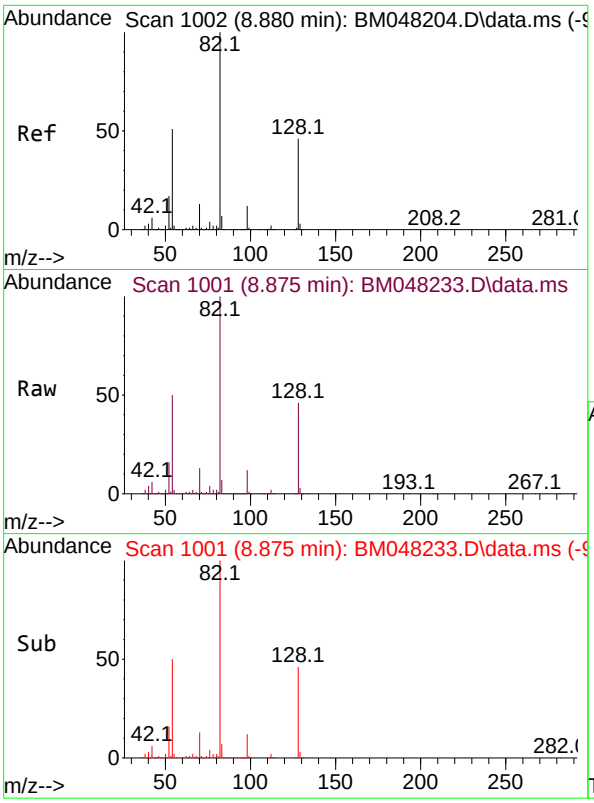


#22
Acetophenone
Concen: 47.865 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:105 Resp: 1066939

Ion	Ratio	Lower	Upper
105	100		
71	4.4	3.4	5.0
51	26.6	21.7	32.5
120	23.1	19.0	28.4



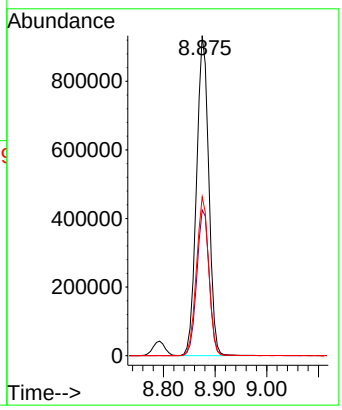


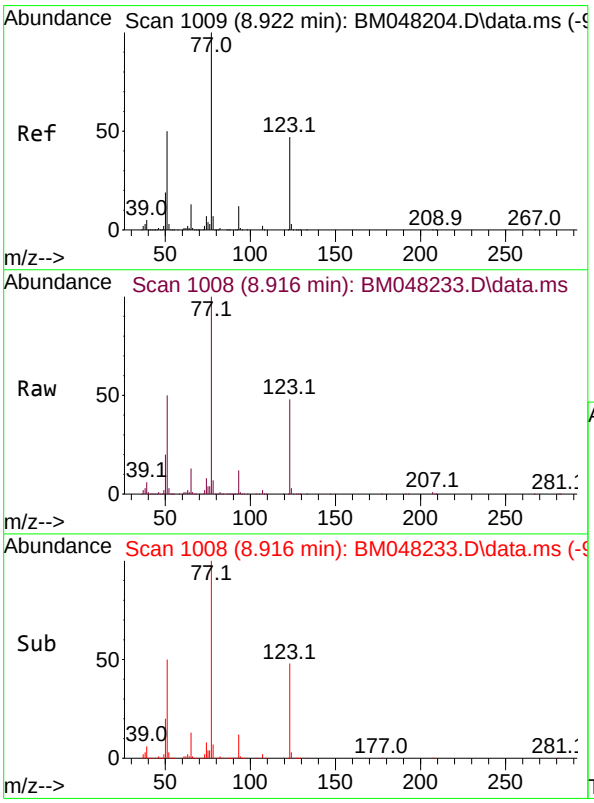
#23
Nitrobenzene-d5
Concen: 94.819 ng
RT: 8.875 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 82 Resp: 1533785

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.6	54.8
54	49.7	41.0	61.4

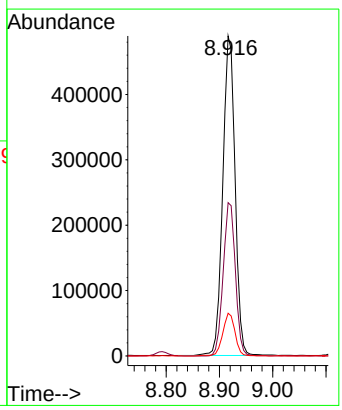


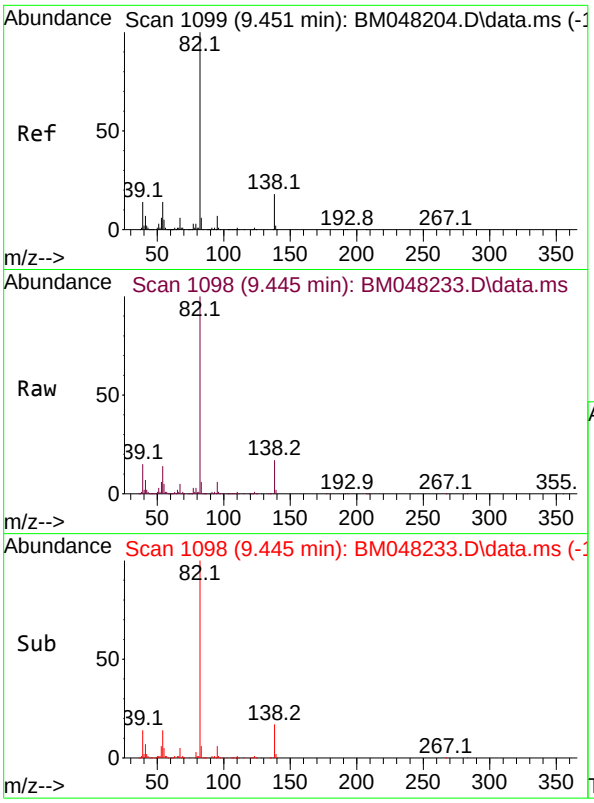


#24
Nitrobenzene
Concen: 46.795 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 77 Resp: 784288

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.8	56.6
65	13.4	10.4	15.6



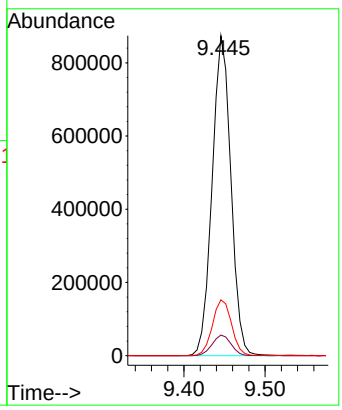


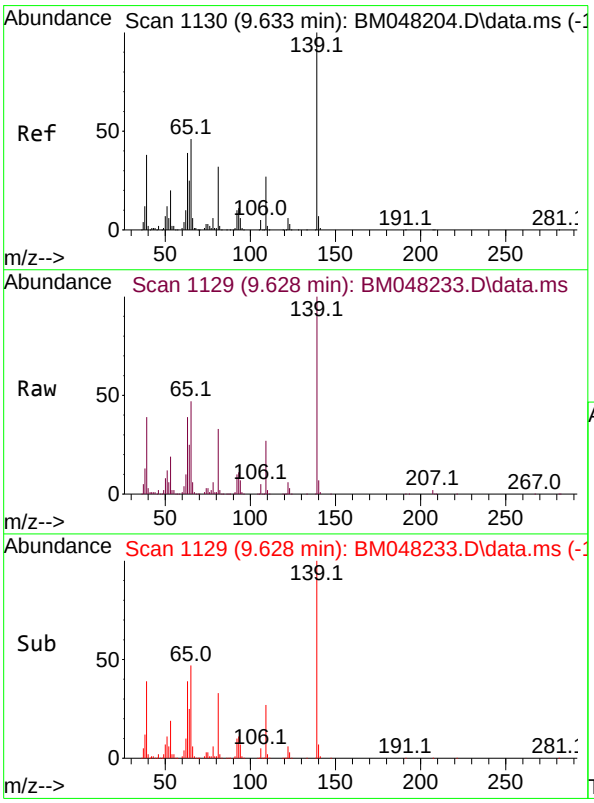
#25
Isophorone
Concen: 47.302 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 82 Resp: 1402532

Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.3	7.9
138	17.5	14.3	21.5

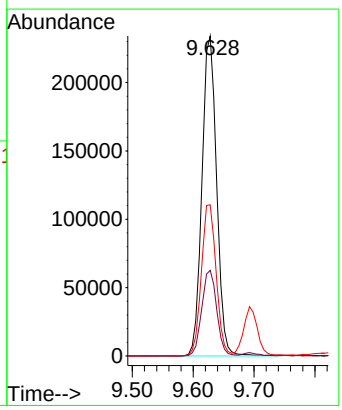


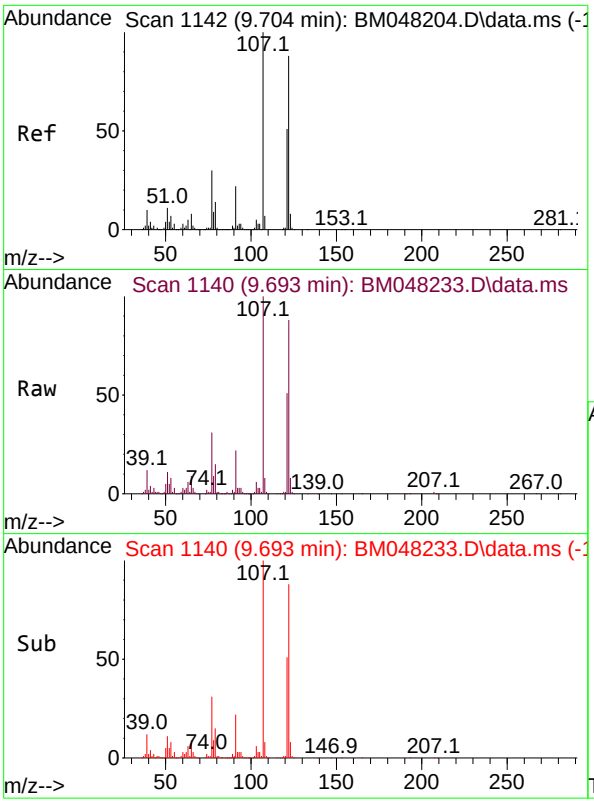


#26
2-Nitrophenol
Concen: 50.642 ng
RT: 9.628 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:139 Resp: 391898

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.2	31.8
65	47.2	36.8	55.2



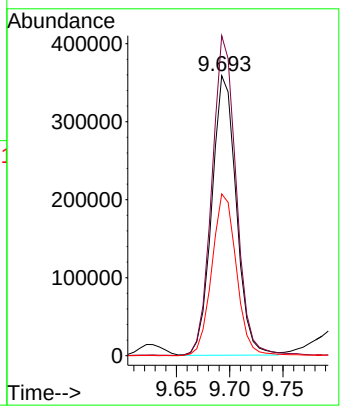


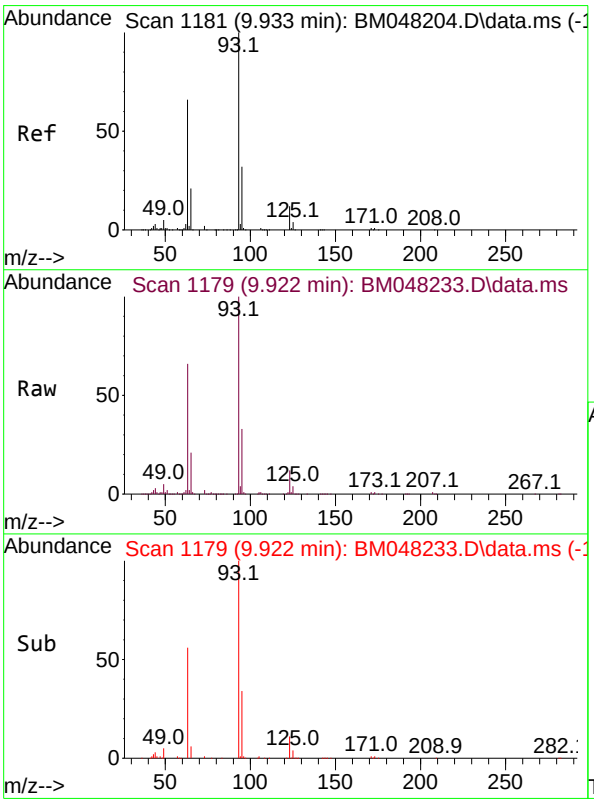
#27
2,4-Dimethylphenol
Concen: 60.930 ng
RT: 9.693 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:122 Resp: 572056

Ion	Ratio	Lower	Upper
122	100		
107	114.3	91.0	136.6
121	57.8	46.1	69.1

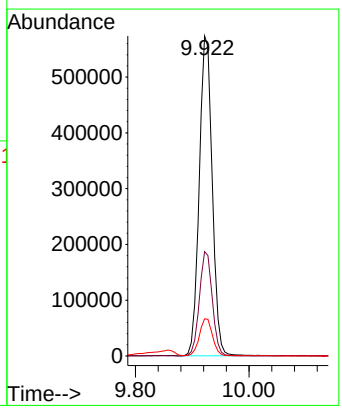


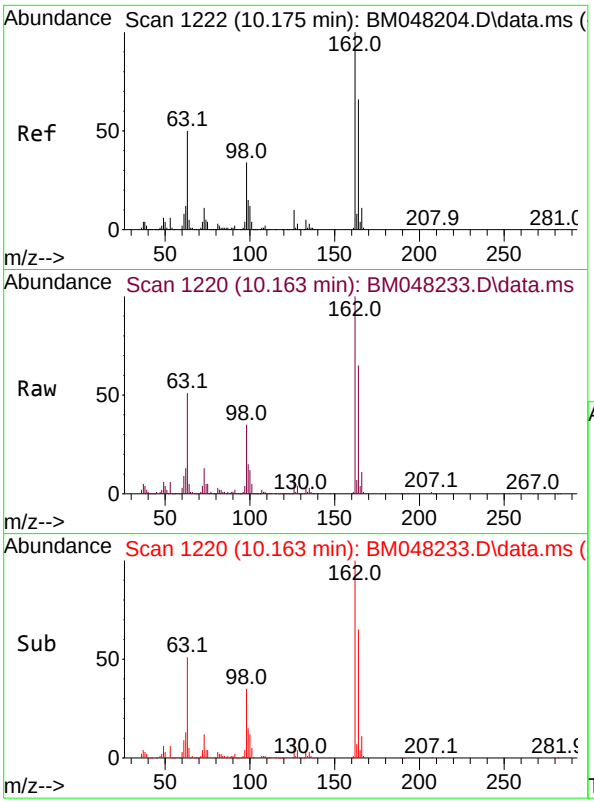


#28
bis(2-Chloroethoxy)methane
Concen: 48.601 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 93 Resp: 911890

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.3	37.9
123	11.6	9.8	14.6



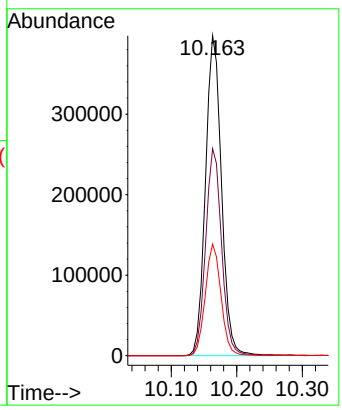


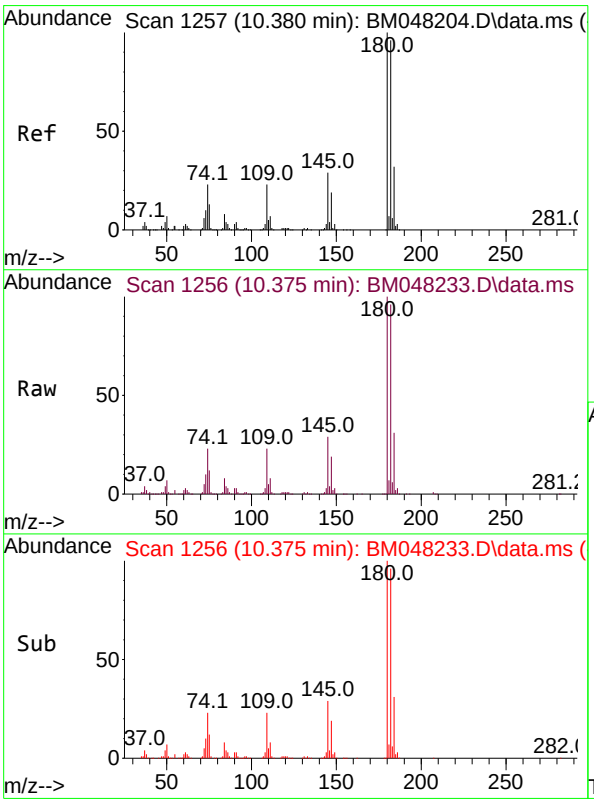
#29
2,4-Dichlorophenol
Concen: 50.020 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:162 Resp: 675572

Ion	Ratio	Lower	Upper
162	100		
164	64.7	46.0	86.0
98	34.9	14.4	54.4

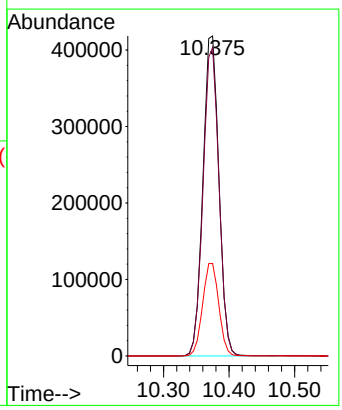


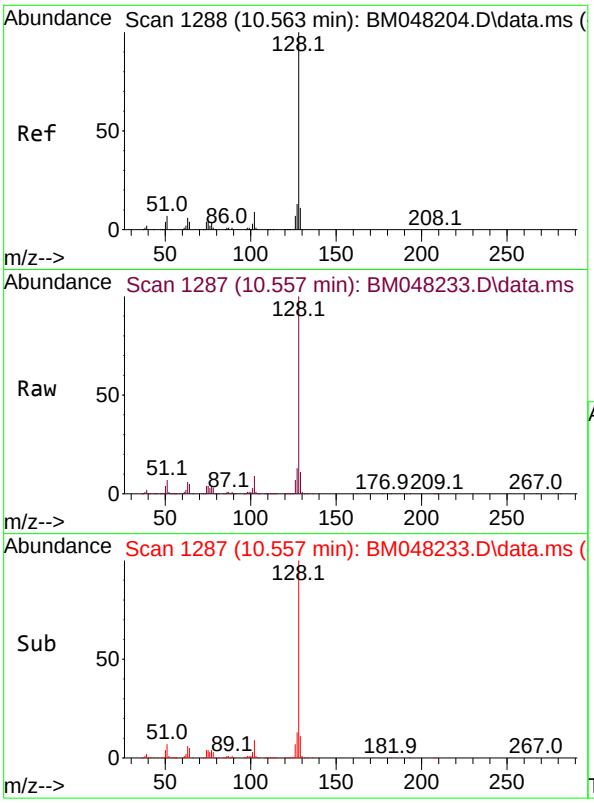


#30
1,2,4-Trichlorobenzene
Concen: 45.933 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:180 Resp: 710506

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.6	115.0
145	28.9	23.4	35.2



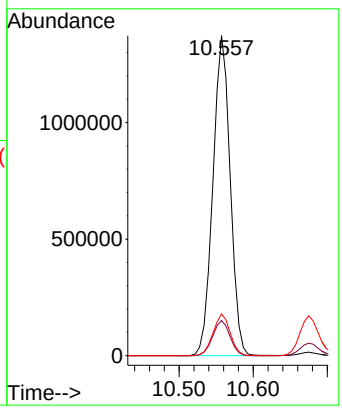


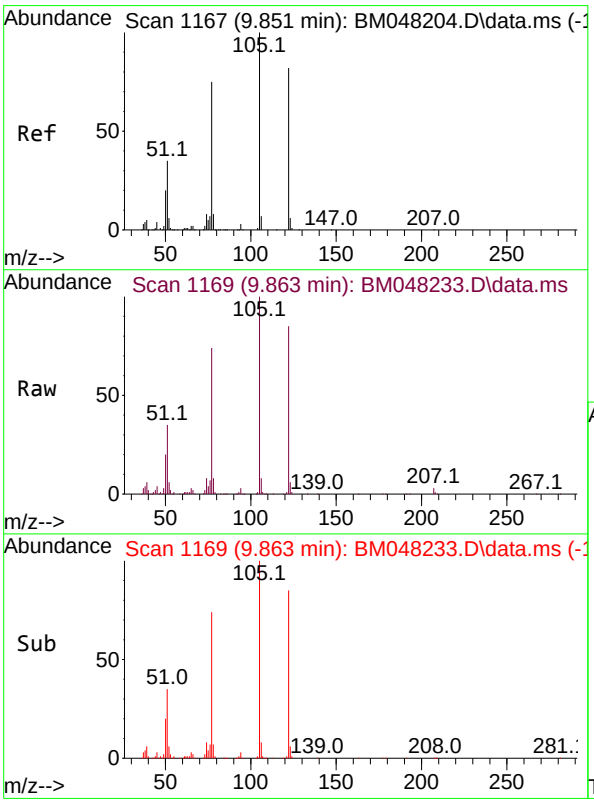
#31
Naphthalene
Concen: 46.674 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:128 Resp: 2223360

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.2	15.2

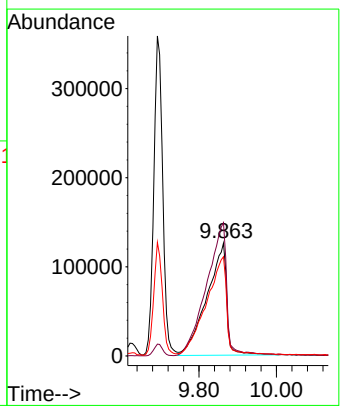


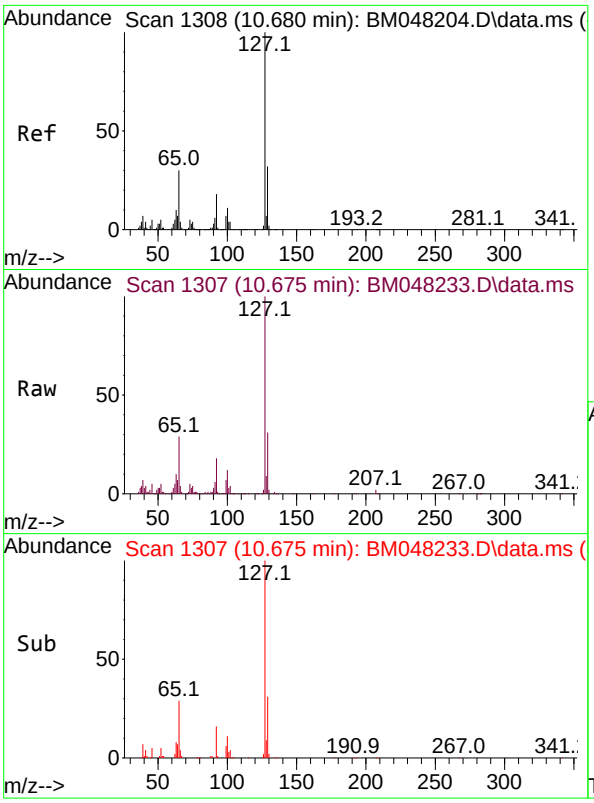


#32
Benzoic acid
Concen: 42.764 ng
RT: 9.863 min Scan# 1169
Delta R.T. 0.012 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:122 Resp: 446917

Ion	Ratio	Lower	Upper
122	100		
105	118.2	99.3	139.3
77	88.0	70.4	110.4



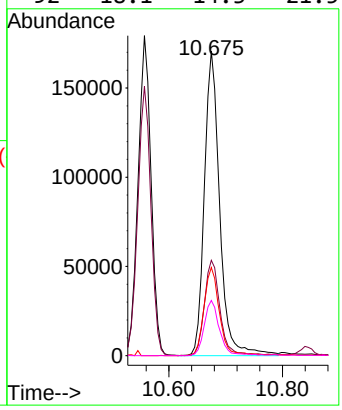


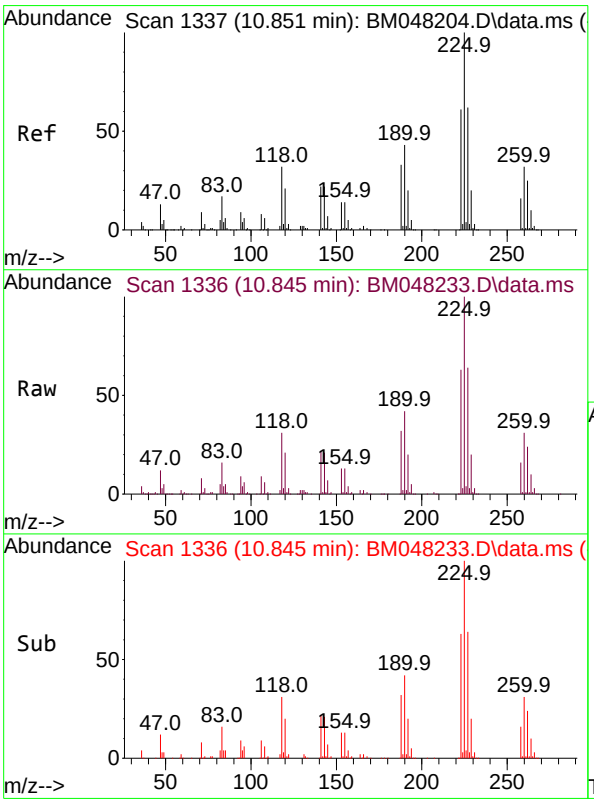
#33
4-Chloroaniline
Concen: 20.693 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:127 Resp: 319702

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.6
65	29.0	23.7	35.5
92	18.1	14.3	21.5

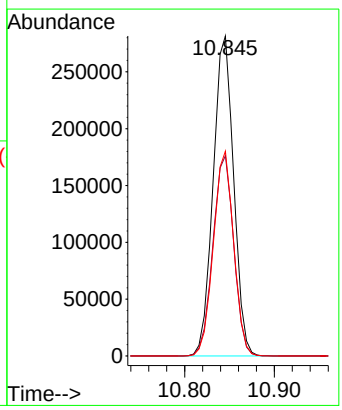


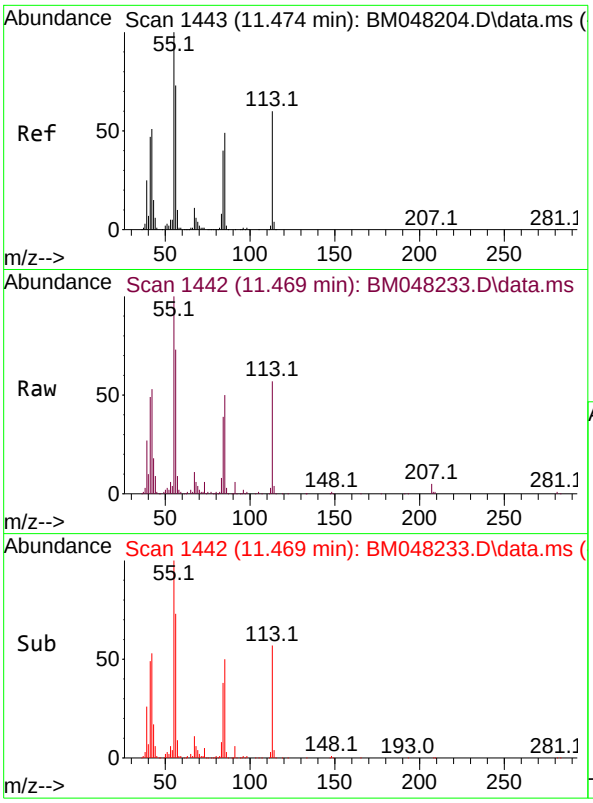


#34
Hexachlorobutadiene
Concen: 46.516 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:225 Resp: 445942

Ion	Ratio	Lower	Upper
225	100		
223	62.6	48.6	73.0
227	64.0	49.6	74.4



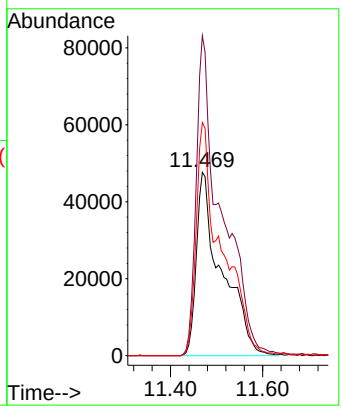


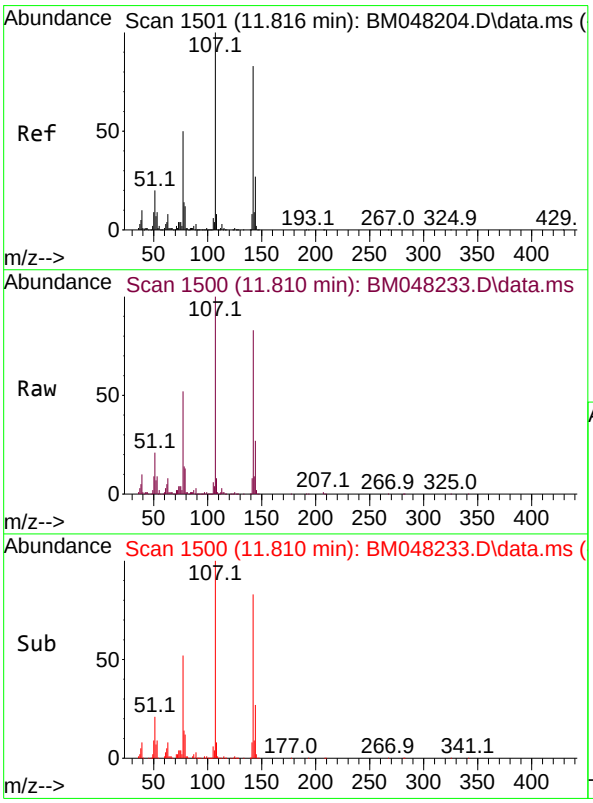
#35
Caprolactam
Concen: 41.460 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:113 Resp: 181897

Ion	Ratio	Lower	Upper
113	100		
55	174.4	146.1	186.1
56	127.1	101.9	141.9

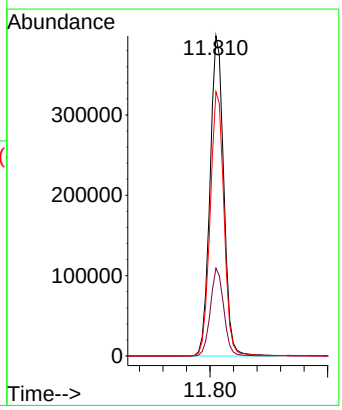


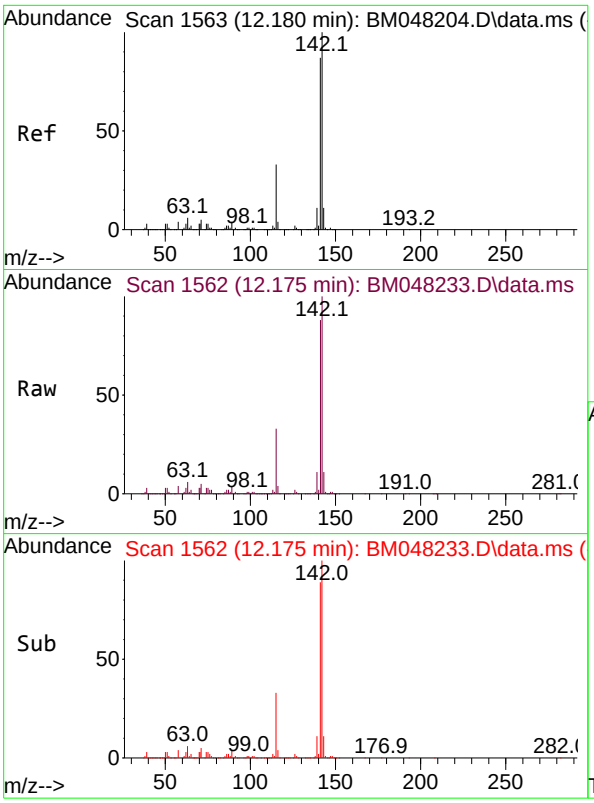


#36
4-Chloro-3-methylphenol
Concen: 45.928 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:107 Resp: 647545

Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.5	32.3
142	82.6	66.8	100.2



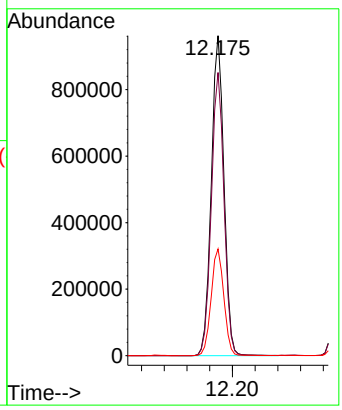


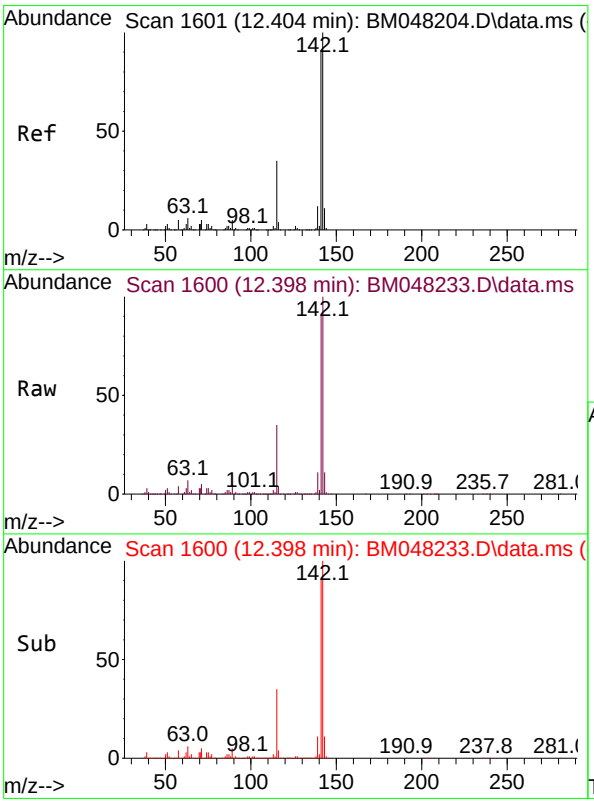
#37
2-Methylnaphthalene
Concen: 46.527 ng
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:142 Resp: 1480825

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.8	104.6
115	33.3	26.3	39.5

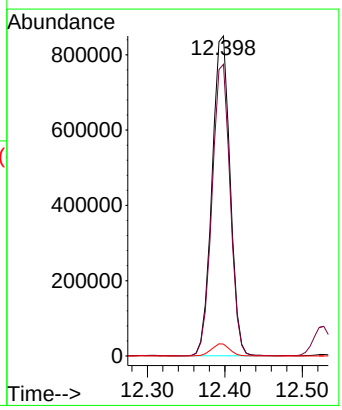


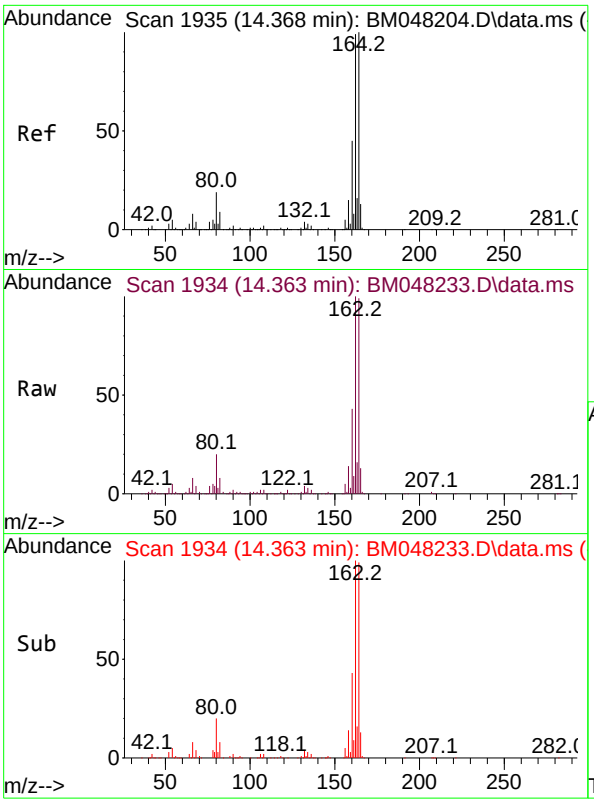


#38
1-Methylnaphthalene
Concen: 43.580 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:142 Resp: 1375410

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.7	109.1
116	3.7	2.9	4.3



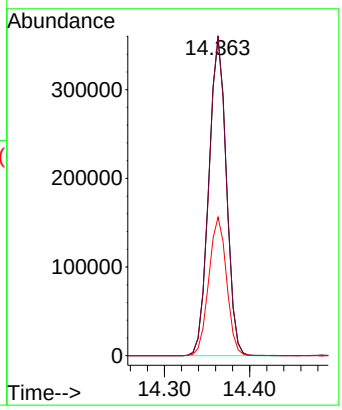


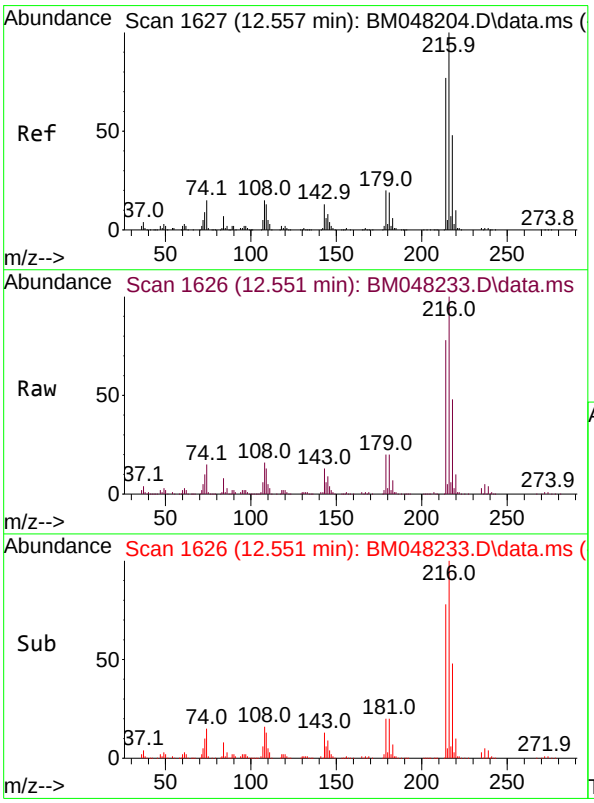
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:164 Resp: 513456

Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.1	118.7
160	43.8	35.8	53.8

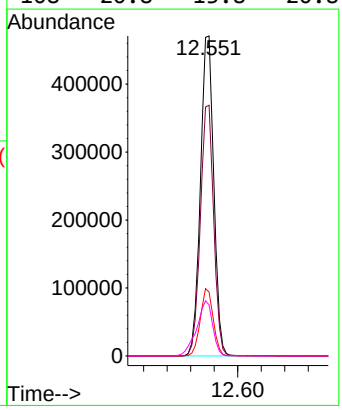


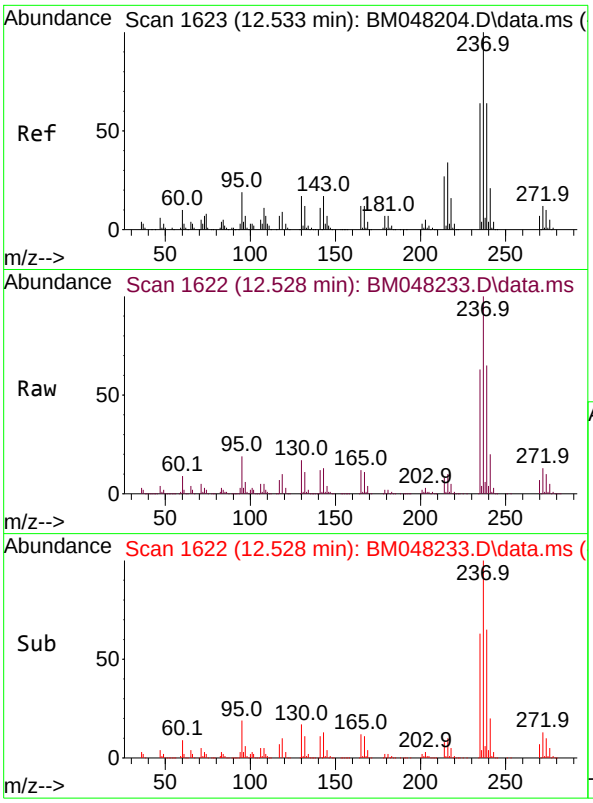


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.604 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:216 Resp: 742646

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.2	93.2
179	20.5	16.0	24.0
108	20.8	13.8	20.8



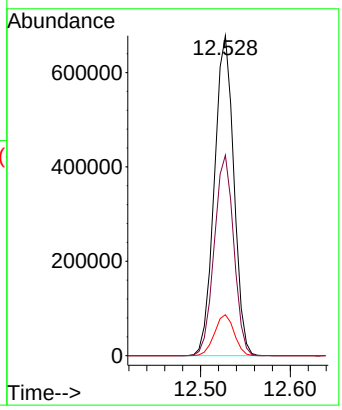


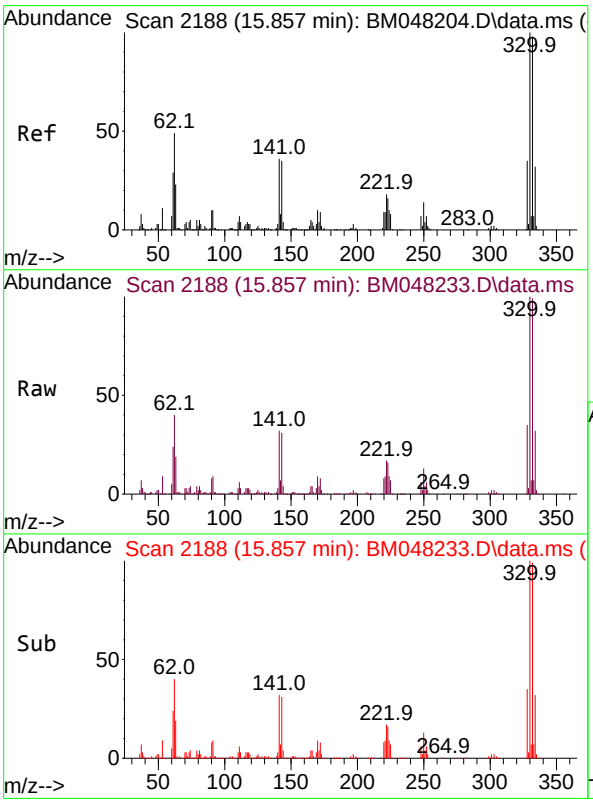
#41
Hexachlorocyclopentadiene
Concen: 205.439 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:237 Resp: 1020250

Ion	Ratio	Lower	Upper
237	100		
235	62.7	44.2	84.2
272	12.8	0.0	32.4

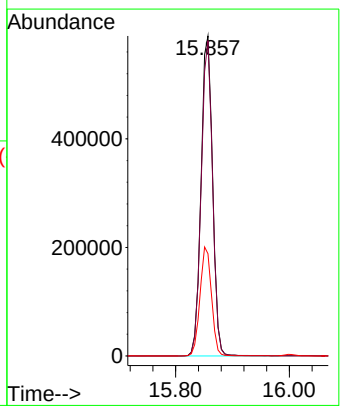


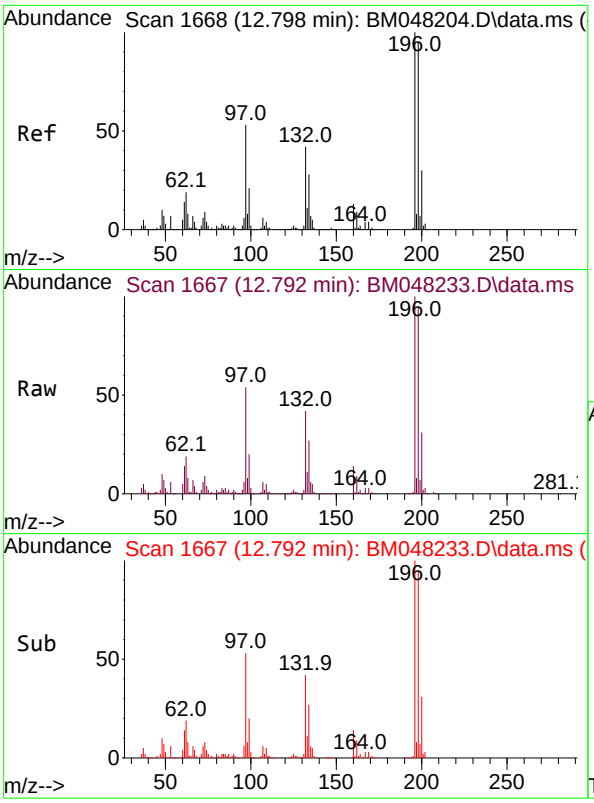


#42
2,4,6-Tribromophenol
Concen: 131.986 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:330 Resp: 829498

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.5	116.3
141	34.2	27.5	41.3



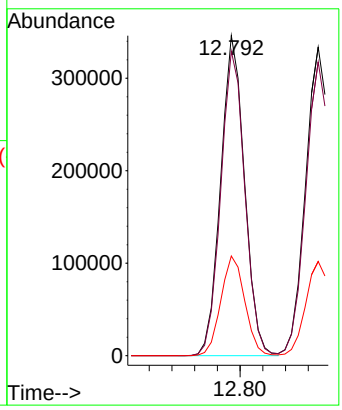


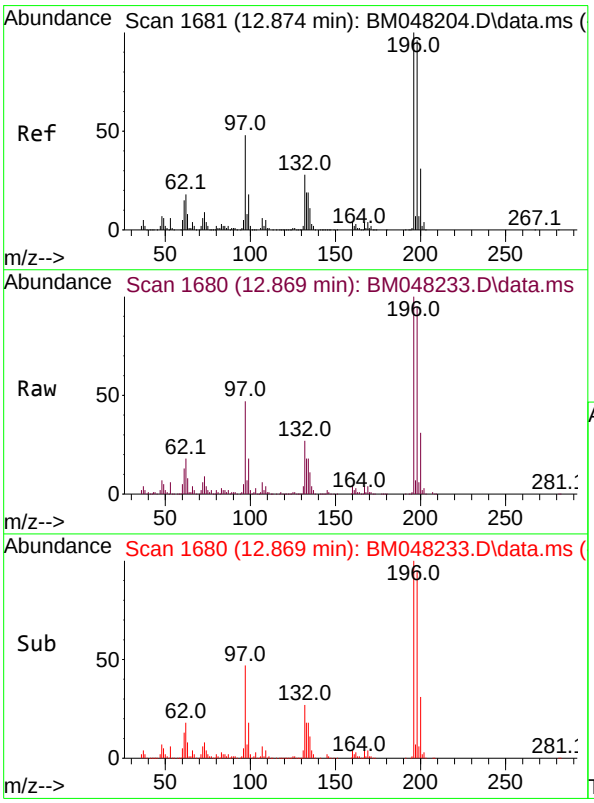
#43
2,4,6-Trichlorophenol
Concen: 51.788 ng
RT: 12.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:196 Resp: 504377

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	31.2	24.2	36.2

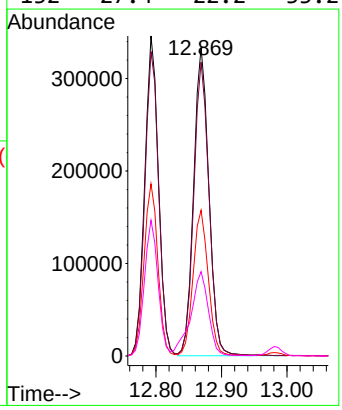


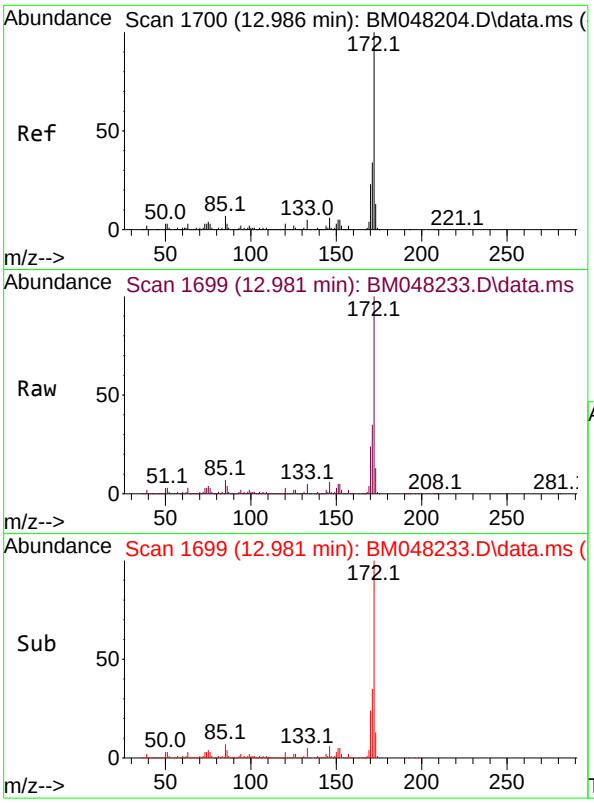


#44
2,4,5-Trichlorophenol
Concen: 49.726 ng
RT: 12.869 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:196 Resp: 540050

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.7	115.1
97	47.2	38.5	57.7
132	27.4	22.2	33.2



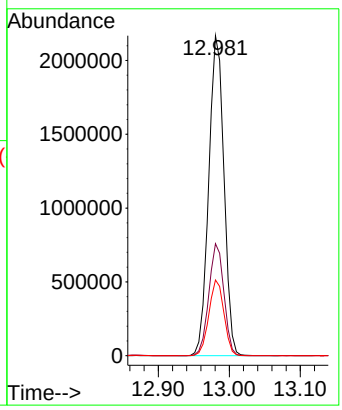


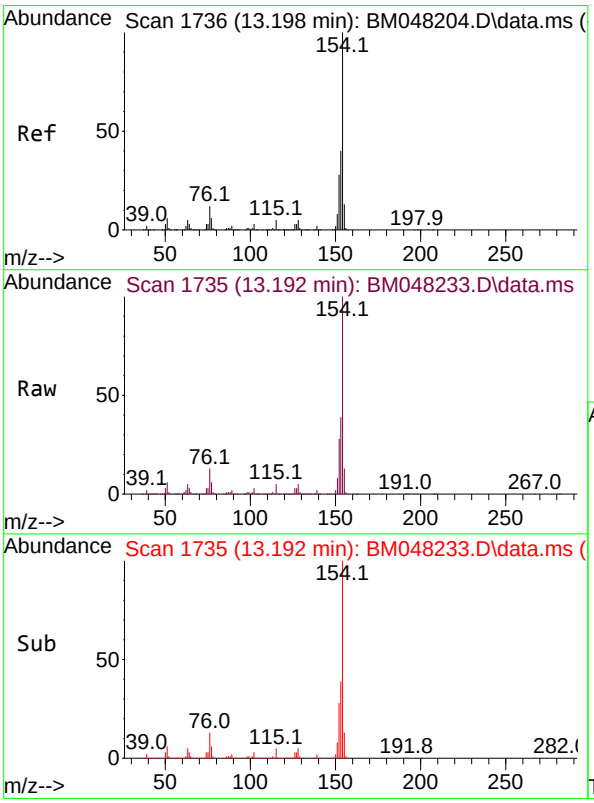
#45
2-Fluorobiphenyl
Concen: 96.484 ng
RT: 12.981 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:172 Resp: 3228427

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.7	18.5	27.7

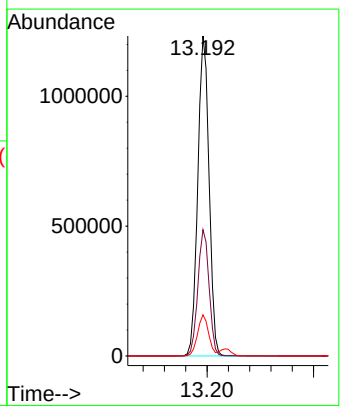


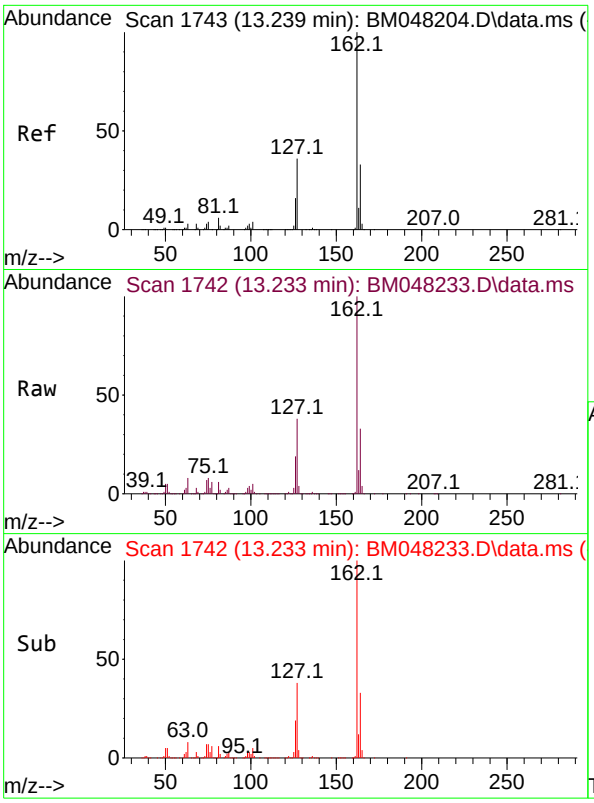


#46
1,1'-Biphenyl
Concen: 49.278 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:154 Resp: 1806463

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.9	59.9
76	12.8	0.0	32.4



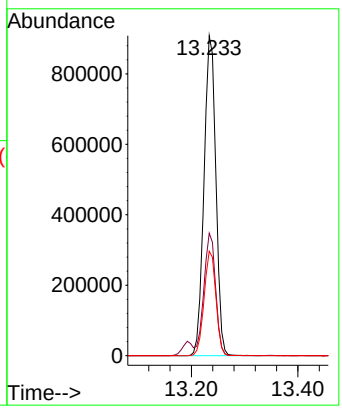


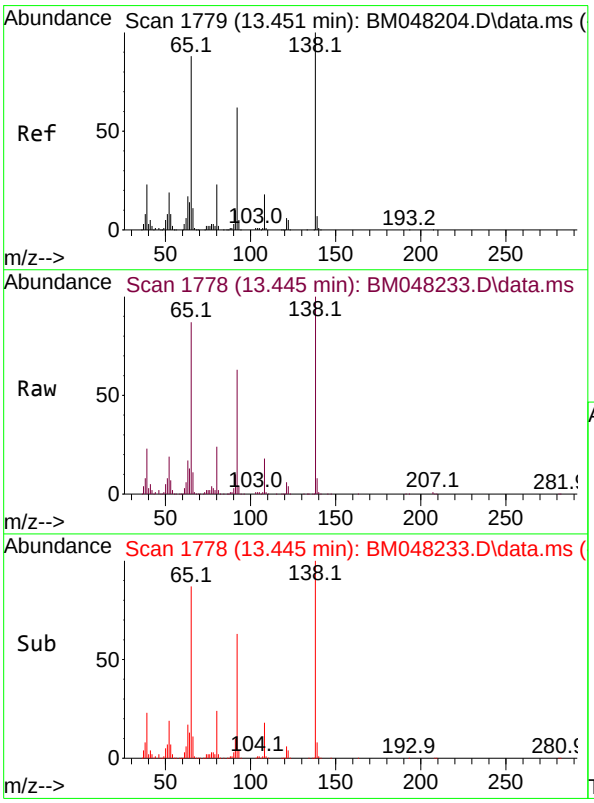
#47
2-Chloronaphthalene
Concen: 48.490 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:162 Resp: 1401582

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.0	46.6
164	32.6	26.2	39.4

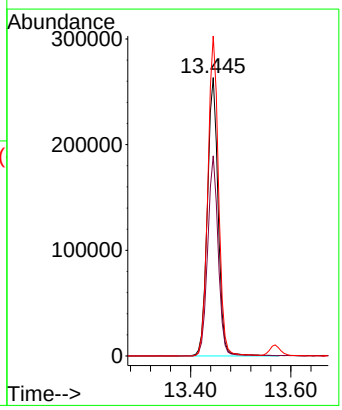


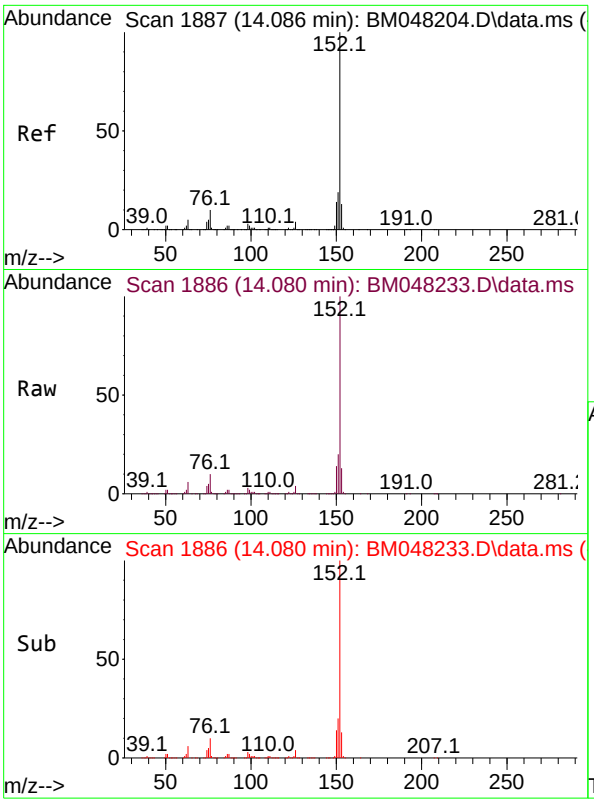


#48
2-Nitroaniline
Concen: 50.179 ng
RT: 13.445 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion: 65 Resp: 393385

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.0	84.0
138	115.0	90.8	136.2



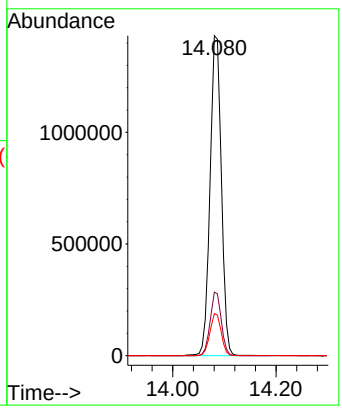


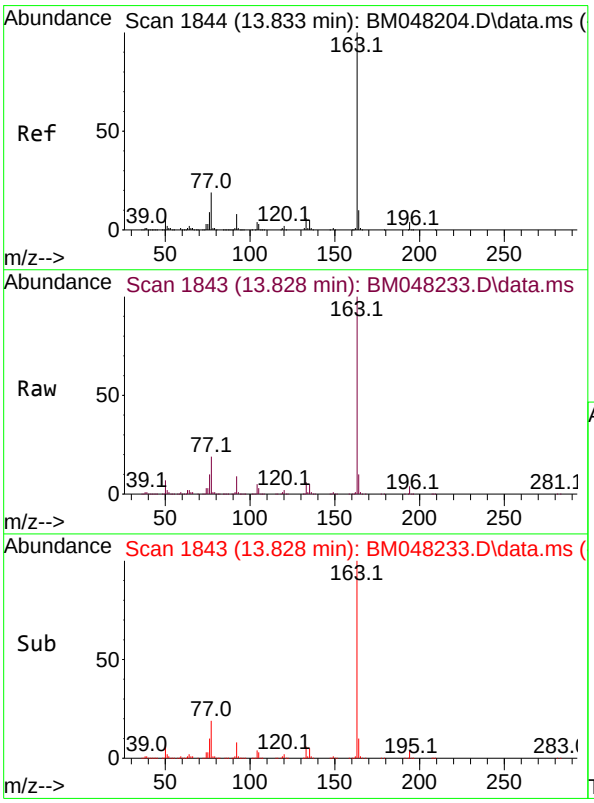
#49
Acenaphthylene
Concen: 51.656 ng
RT: 14.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:152 Resp: 2178347

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.1	10.5	15.7

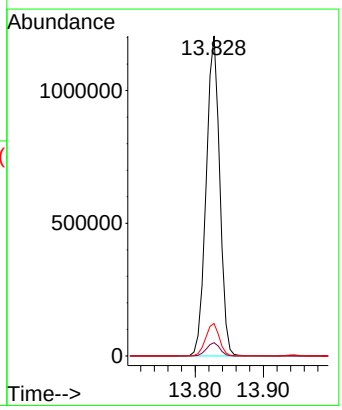


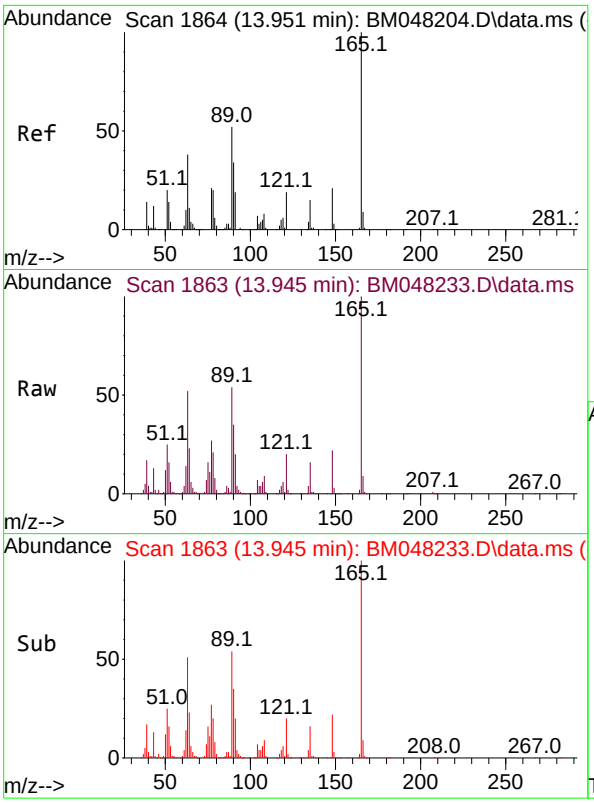


#50
Dimethylphthalate
Concen: 47.436 ng
RT: 13.828 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:163 Resp: 1662733

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	10.1	7.8	11.6



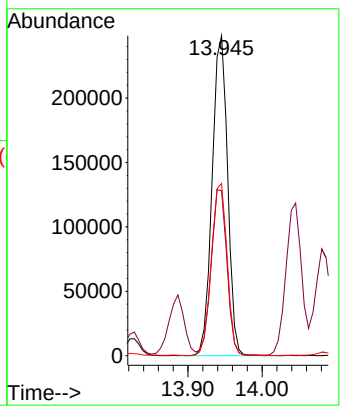


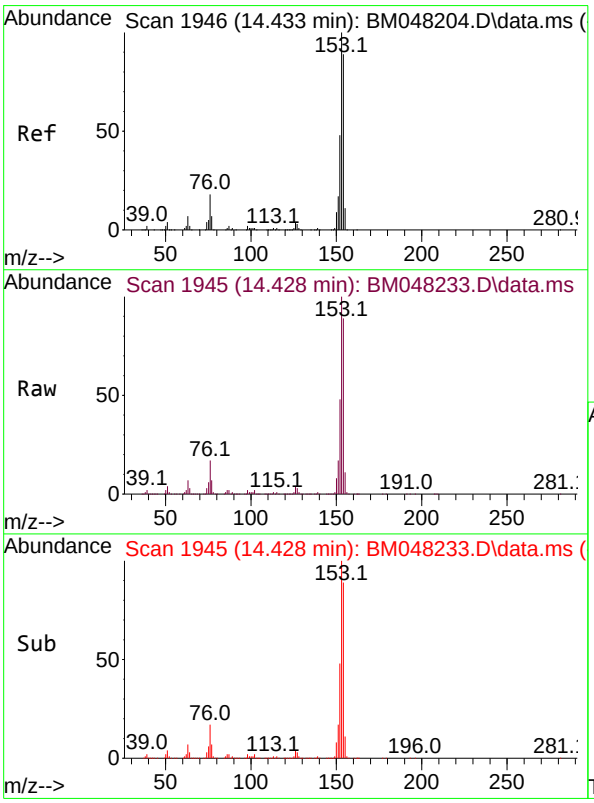
#51
2,6-Dinitrotoluene
Concen: 46.034 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:165 Resp: 360034

Ion	Ratio	Lower	Upper
165	100		
63	51.5	39.5	59.3
89	53.8	41.8	62.6

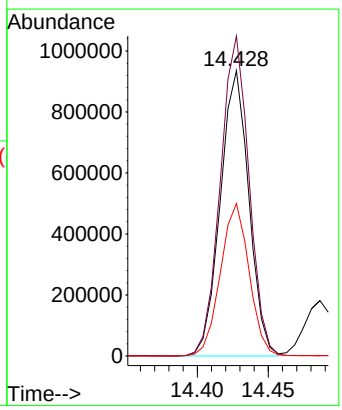


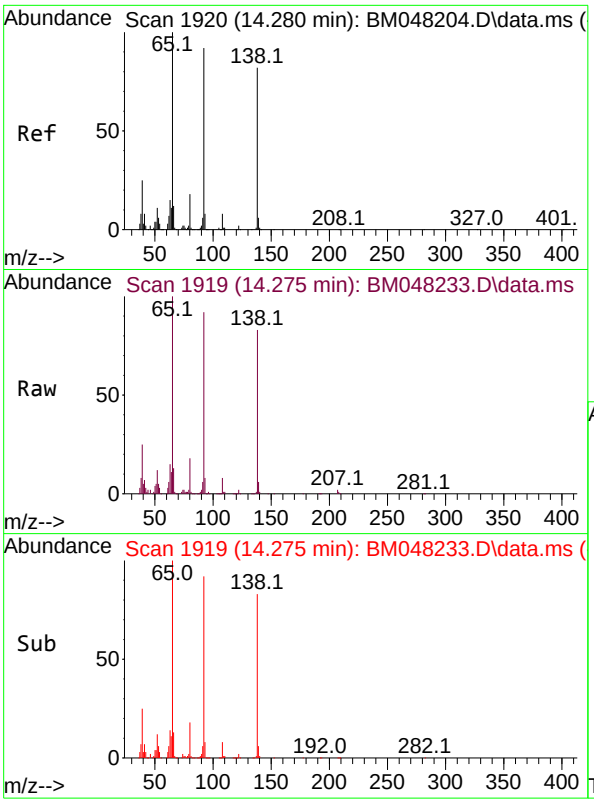


#52
Acenaphthene
Concen: 48.791 ng
RT: 14.428 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:154 Resp: 1307350

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.4	135.6
152	53.4	43.6	65.4



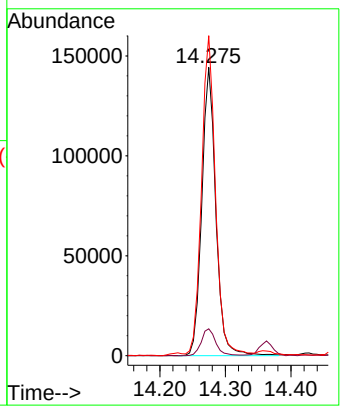


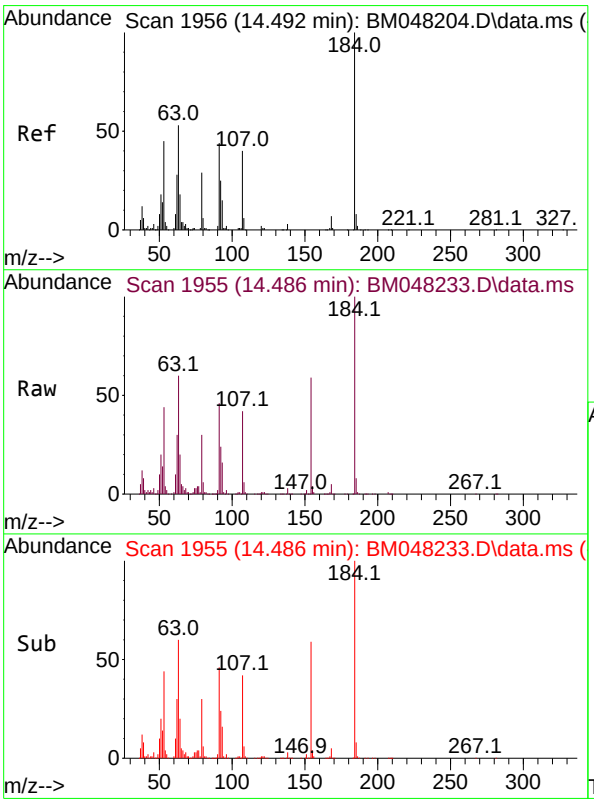
#53
3-Nitroaniline
Concen: 29.196 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:138 Resp: 215340

Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.5	11.3
92	111.0	89.7	134.5

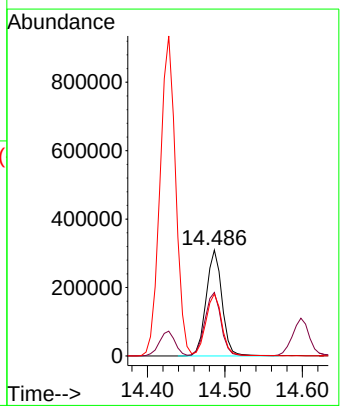


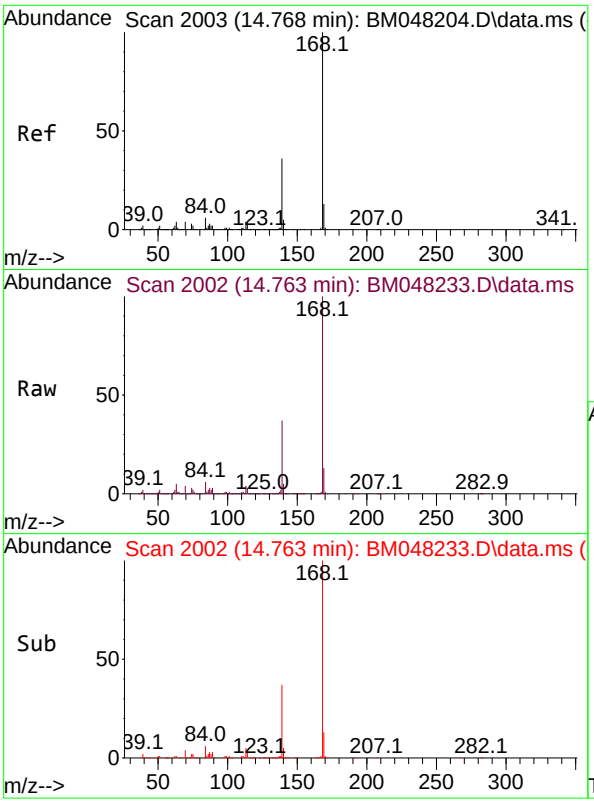


#54
2,4-Dinitrophenol
Concen: 96.193 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:184 Resp: 439629

Ion	Ratio	Lower	Upper
184	100		
63	60.0	47.2	70.8
154	58.6	46.0	69.0



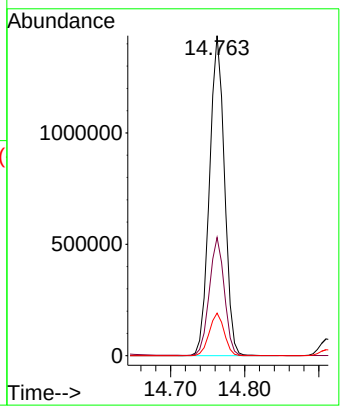


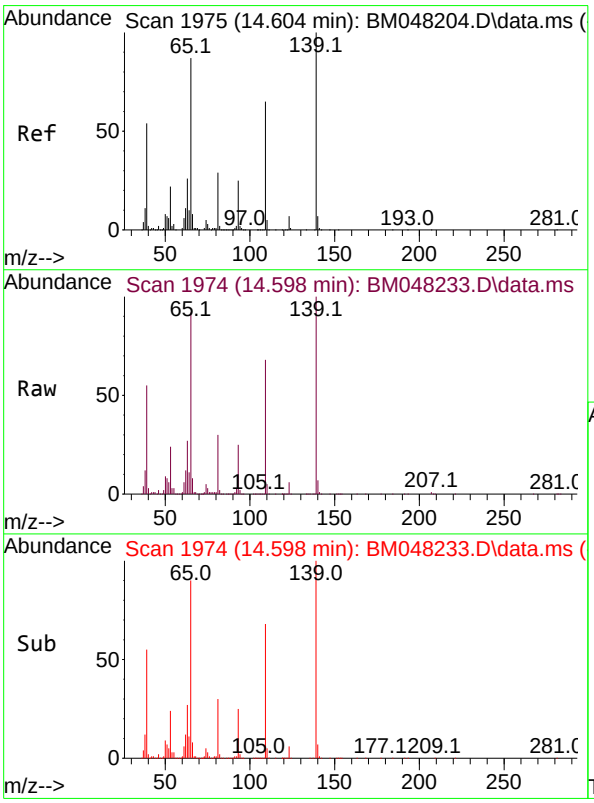
#55
Dibenzofuran
Concen: 47.472 ng
RT: 14.763 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:168 Resp: 2020924

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.6
169	13.3	10.4	15.6

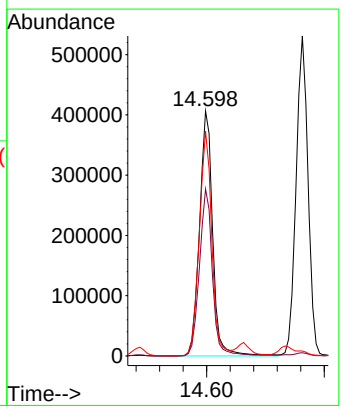


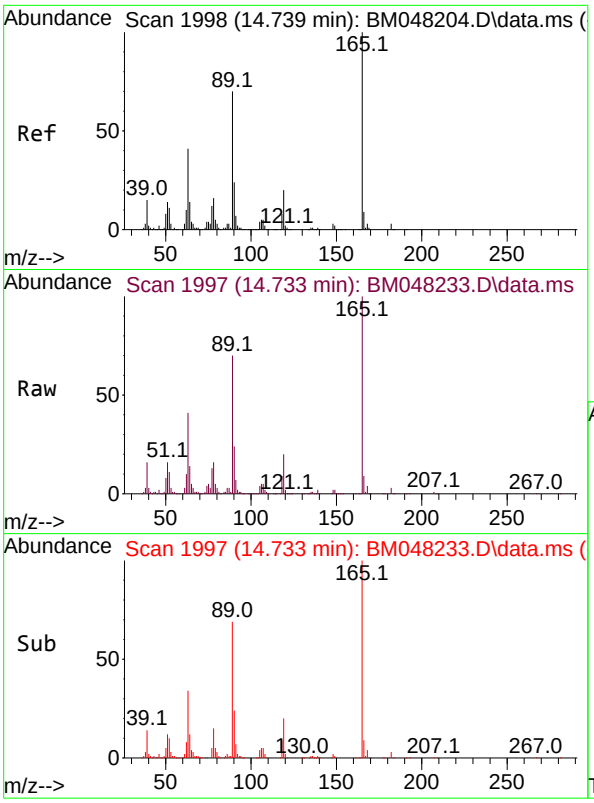


#56
4-Nitrophenol
Concen: 96.074 ng
RT: 14.598 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:139 Resp: 632429

Ion	Ratio	Lower	Upper
139	100		
109	68.2	45.4	85.4
65	91.7	67.3	107.3



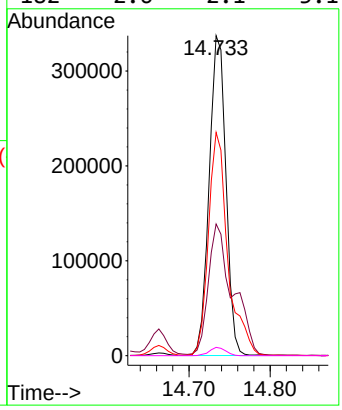


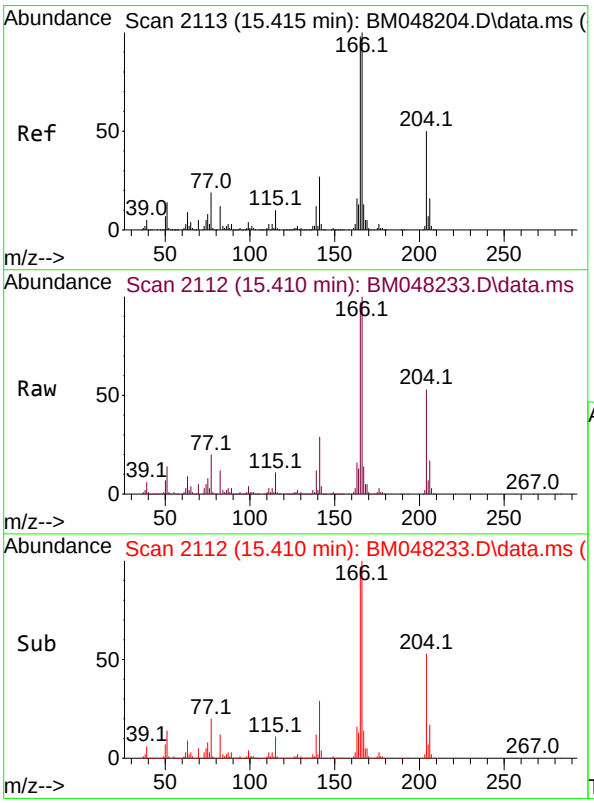
#57
2,4-Dinitrotoluene
Concen: 46.593 ng
RT: 14.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:165 Resp: 481215

Ion	Ratio	Lower	Upper
165	100		
63	41.2	33.0	49.4
89	69.8	55.8	83.6
182	2.6	2.1	3.1

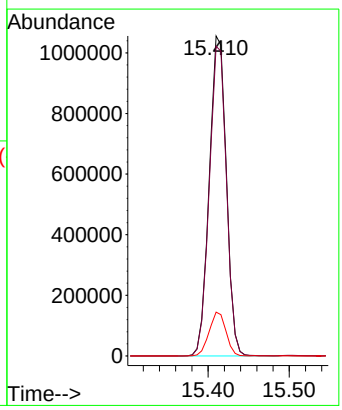


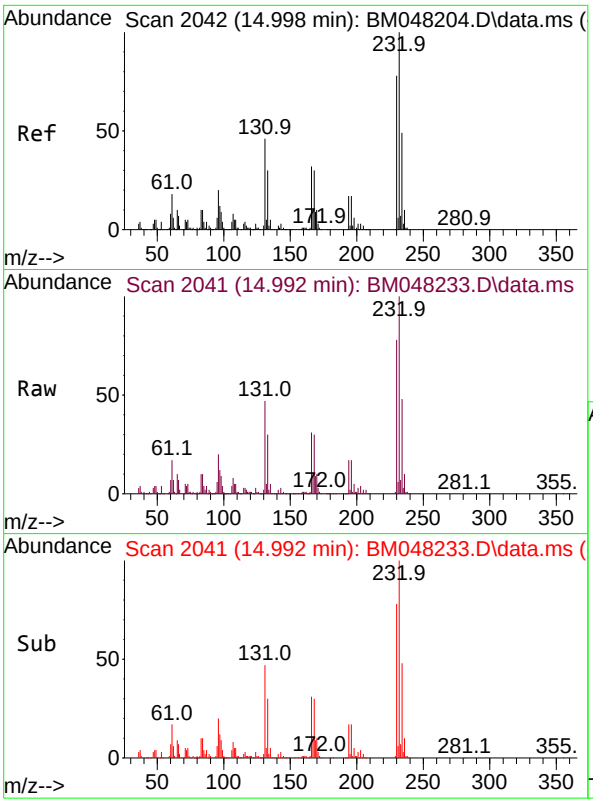


#58
Fluorene
Concen: 45.839 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:166 Resp: 1543051

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	13.7	10.8	16.2



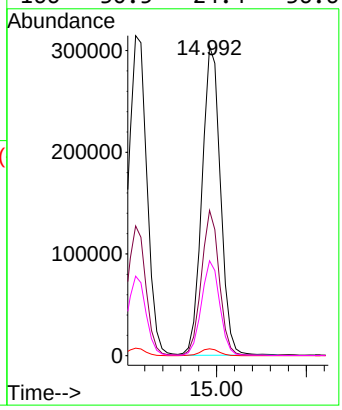


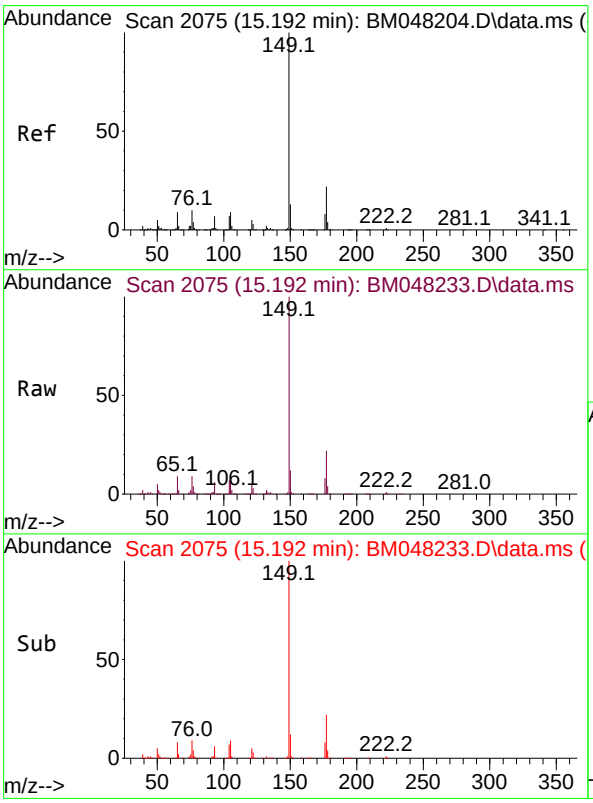
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.284 ng
RT: 14.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:232 Resp: 434654

Ion	Ratio	Lower	Upper
232	100		
131	45.6	35.5	53.3
130	2.3	1.8	2.6
166	30.5	24.4	36.6

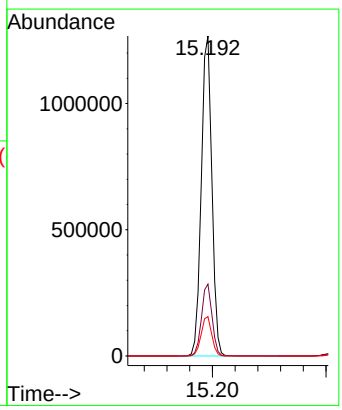


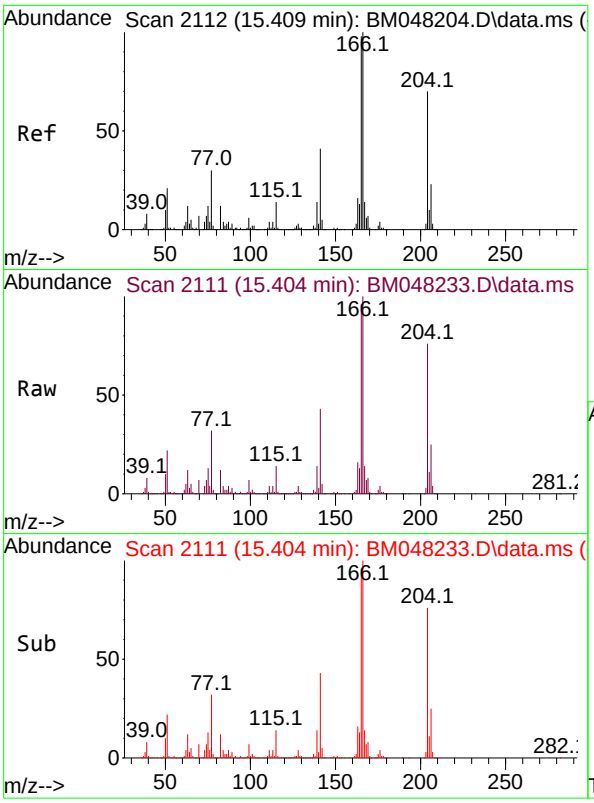


#60
Diethylphthalate
Concen: 46.060 ng
RT: 15.192 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:149 Resp: 1634653

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.5	26.3
150	12.3	10.1	15.1



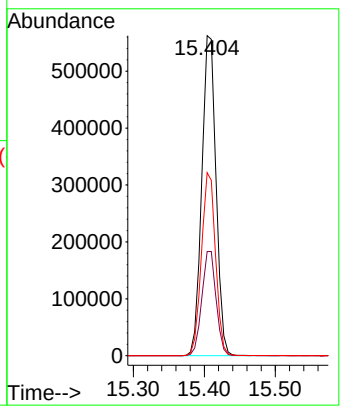


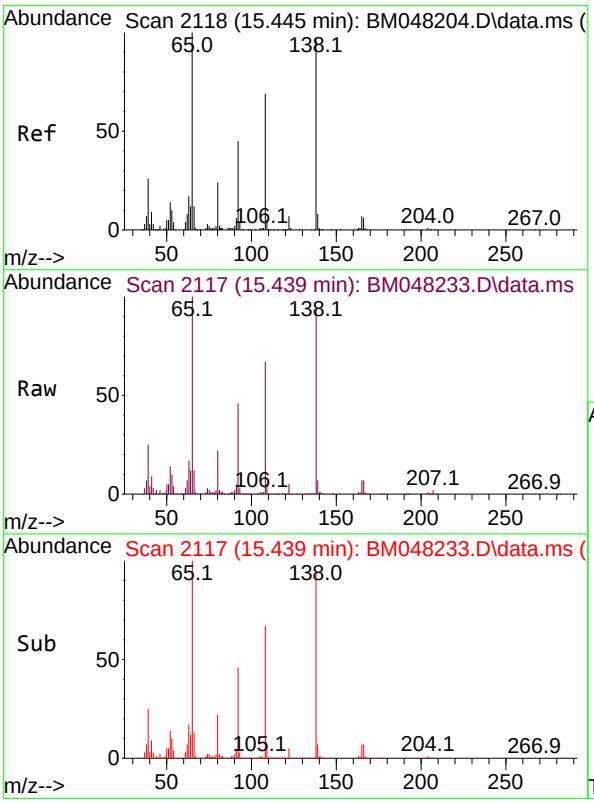
#61
4-Chlorophenyl-phenylether
Concen: 46.662 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:204 Resp: 785377

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.4
141	57.2	47.0	70.6

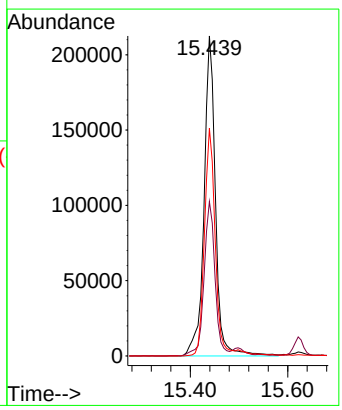


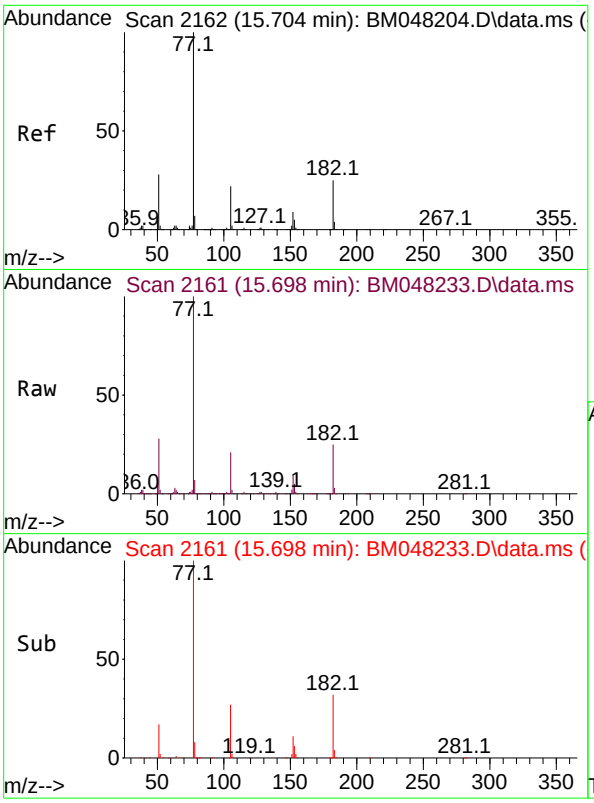


#62
4-Nitroaniline
Concen: 45.366 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:138 Resp: 346297

Ion	Ratio	Lower	Upper
138	100		
92	48.3	26.9	66.9
108	71.2	51.3	91.3



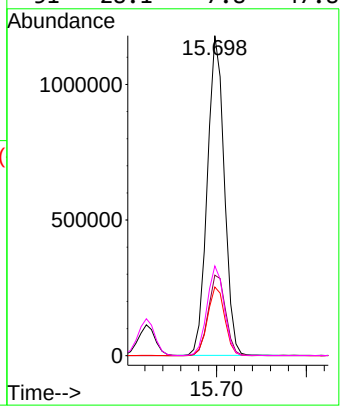


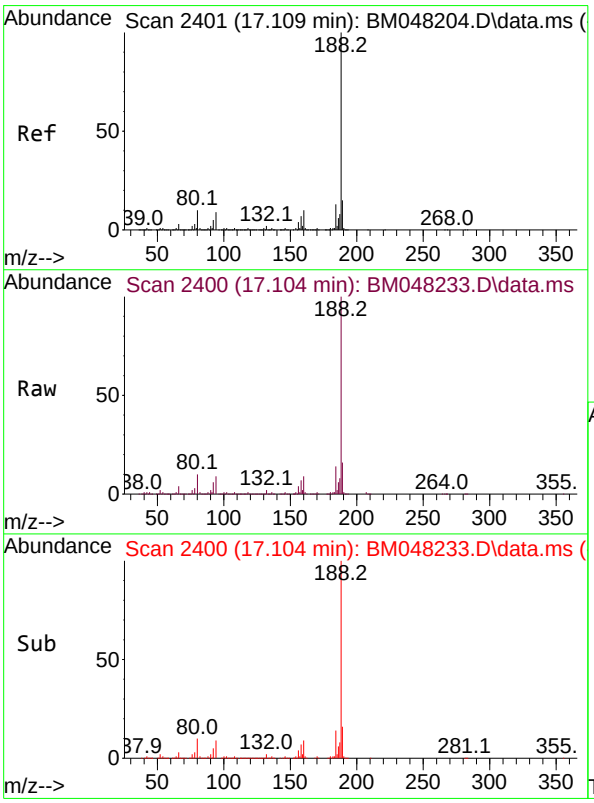
#63
Azobenzene
Concen: 48.584 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion: 77 Resp: 1545366

Ion	Ratio	Lower	Upper
77	100		
182	25.2	5.3	45.3
105	21.5	1.6	41.6
51	28.1	7.8	47.8

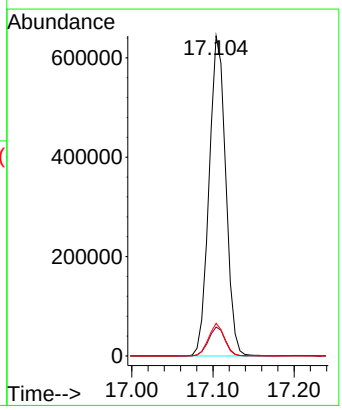


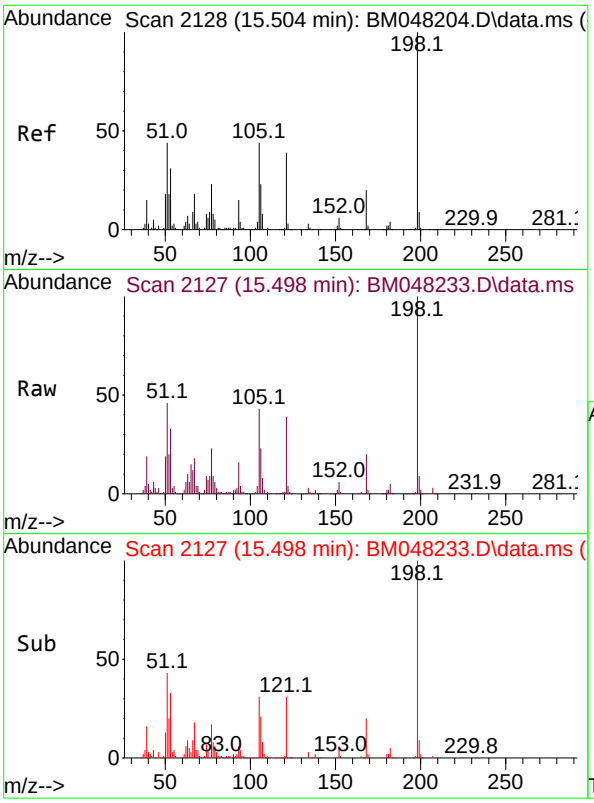


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:188 Resp: 916015

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.2	8.0	12.0



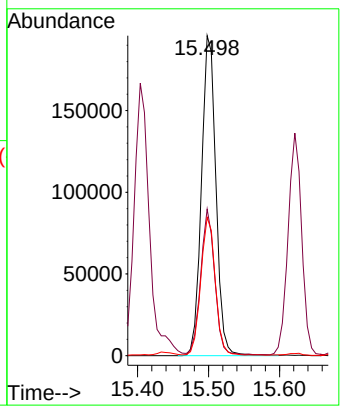


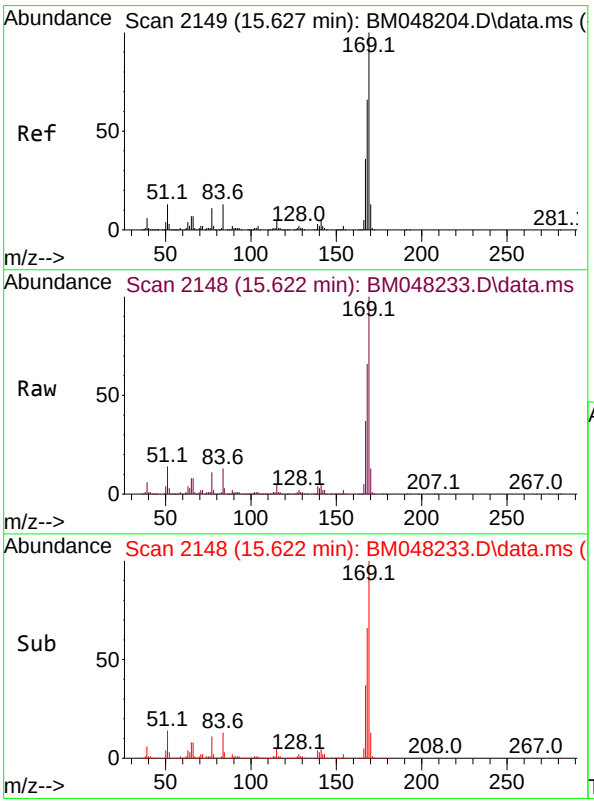
#65
4,6-Dinitro-2-methylphenol
Concen: 52.303 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:198 Resp: 277984

Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.4	65.4
105	43.2	23.9	63.9

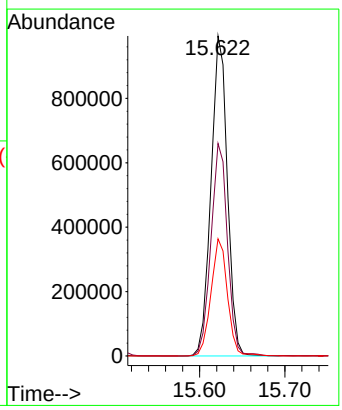


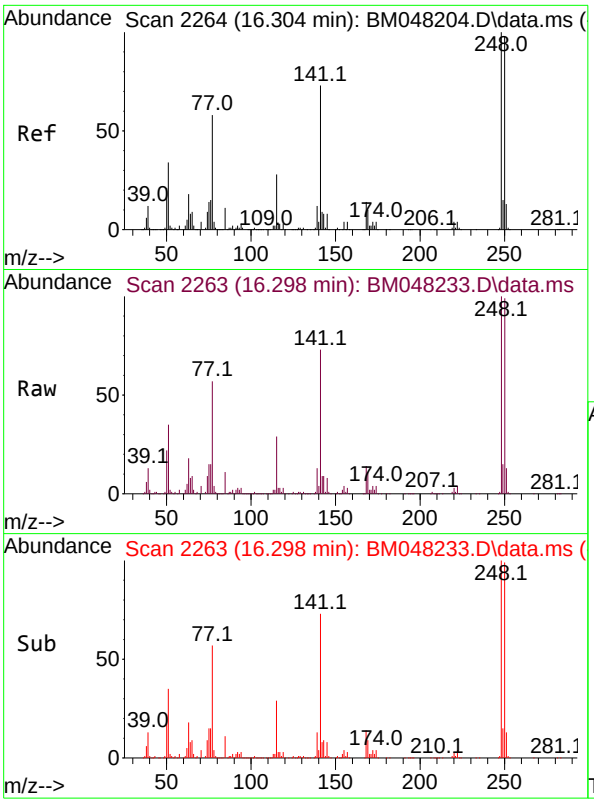


#66
n-Nitrosodiphenylamine
Concen: 52.868 ng
RT: 15.622 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:169 Resp: 1329437

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.9	79.3
167	36.6	29.3	43.9



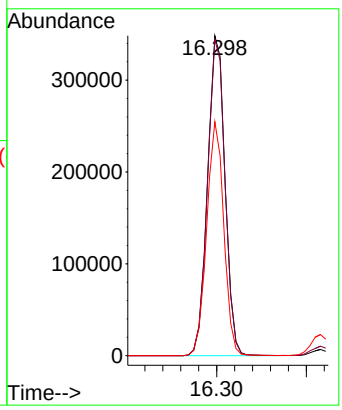


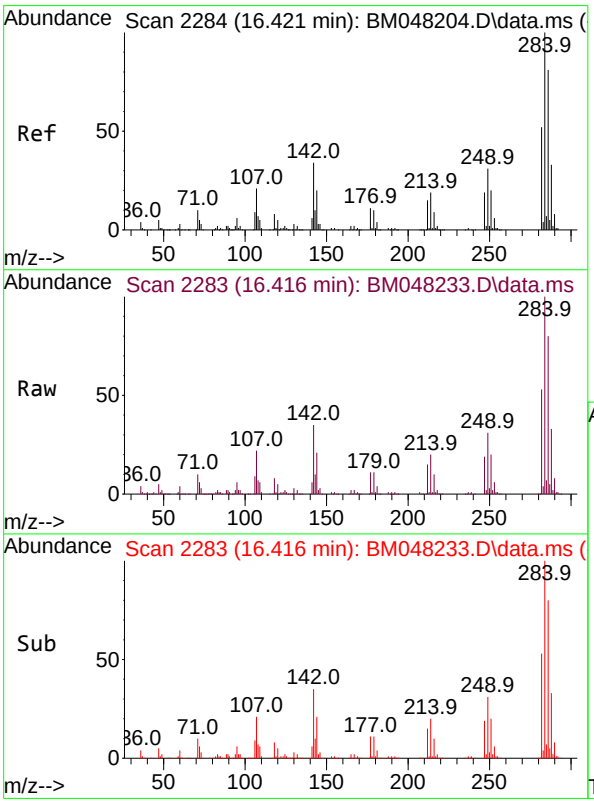
#67
4-Bromophenyl-phenylether
Concen: 50.746 ng
RT: 16.298 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:248 Resp: 471288

Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.3	117.5
141	73.1	58.0	87.0

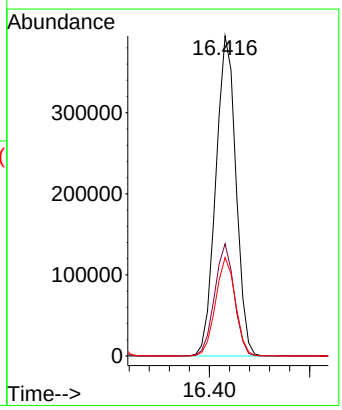


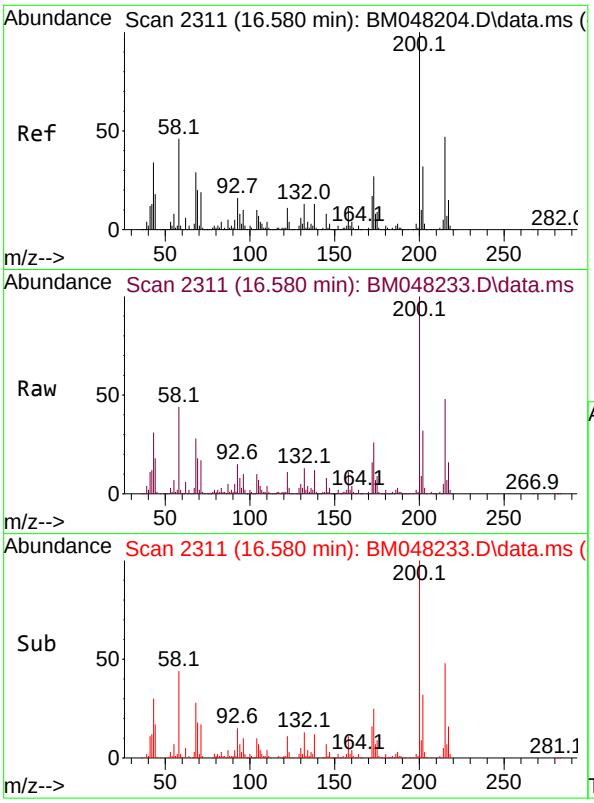


#68
Hexachlorobenzene
Concen: 49.383 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:284 Resp: 550844

Ion	Ratio	Lower	Upper
284	100		
142	35.1	27.0	40.4
249	30.8	24.6	36.8



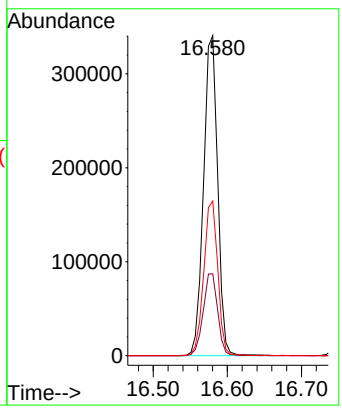


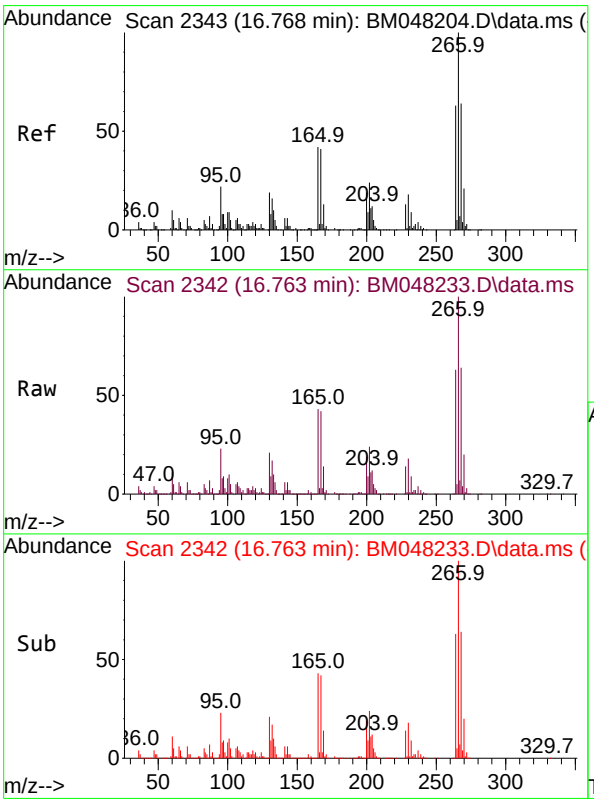
#69
Atrazine
Concen: 64.158 ng
RT: 16.580 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:200 Resp: 451420

Ion	Ratio	Lower	Upper
200	100		
173	25.6	6.5	46.5
215	48.3	27.2	67.2

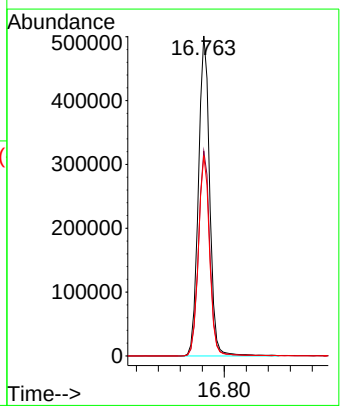


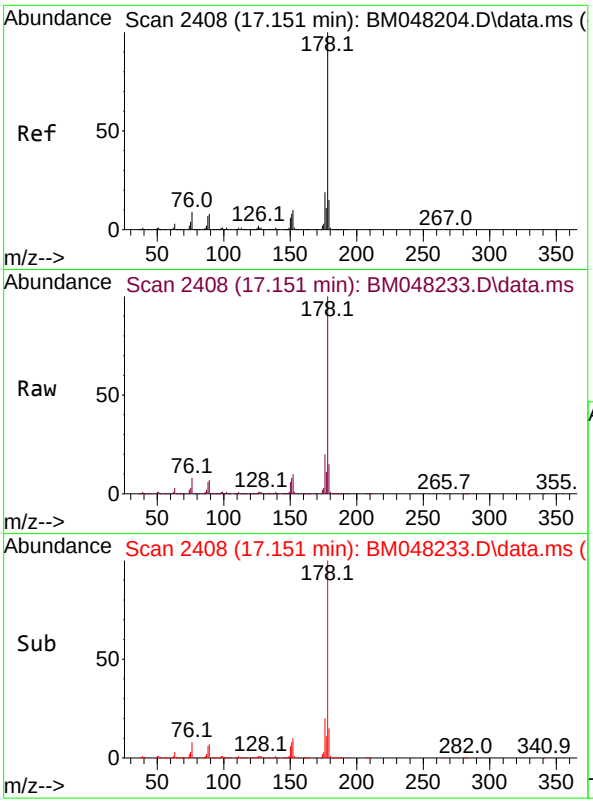


#70
Pentachlorophenol
Concen: 97.233 ng
RT: 16.763 min Scan# 2342
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:266 Resp: 712070

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.8	76.2
264	62.6	50.2	75.2



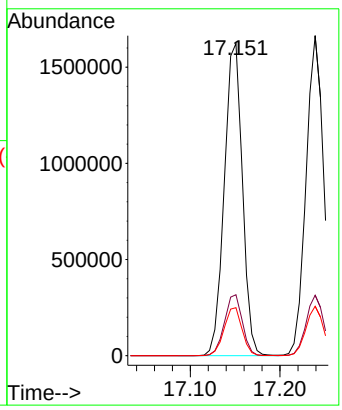


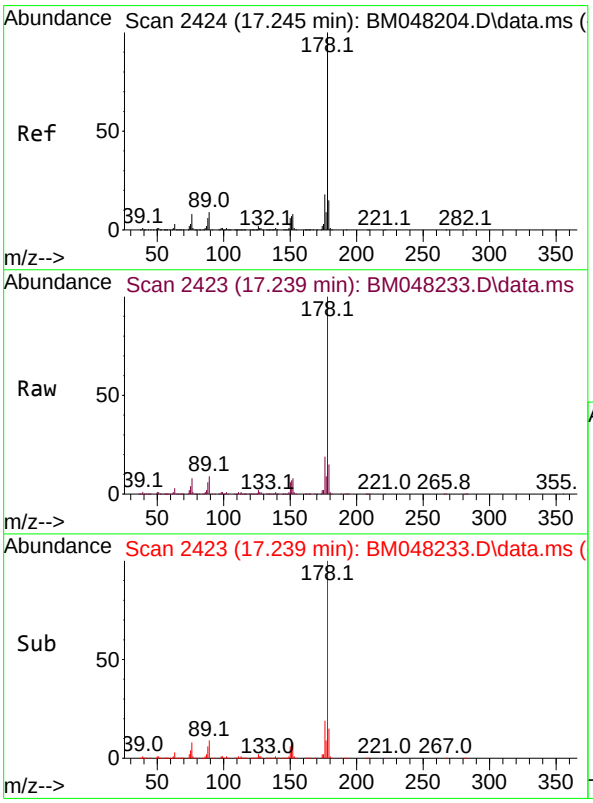
#71
Phenanthrene
Concen: 50.221 ng
RT: 17.151 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:178 Resp: 2277951

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.4	12.4	18.6

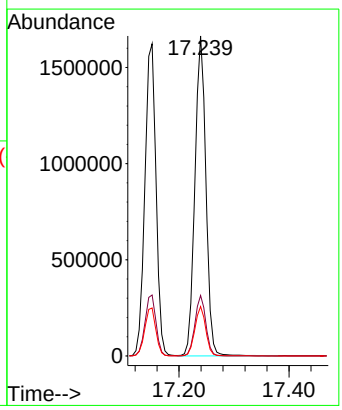


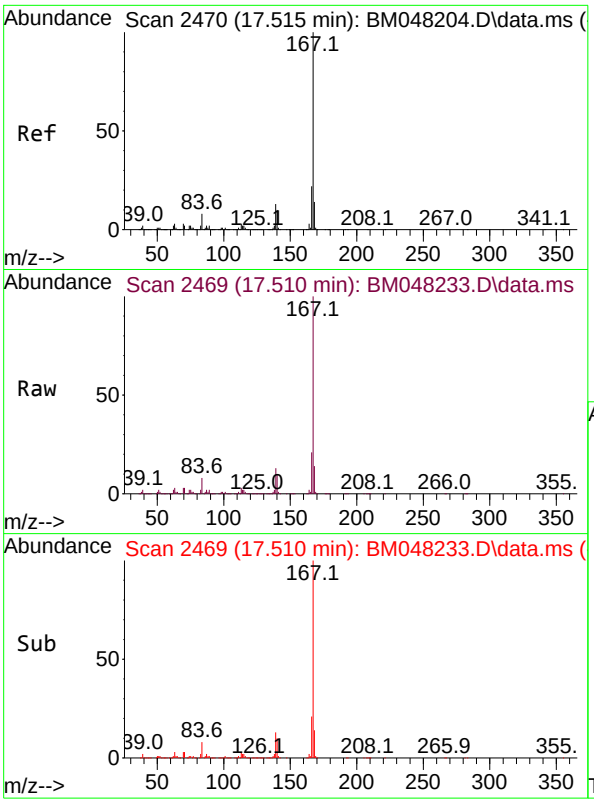


#72
Anthracene
Concen: 52.595 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:178 Resp: 2309397

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.5	12.2	18.2



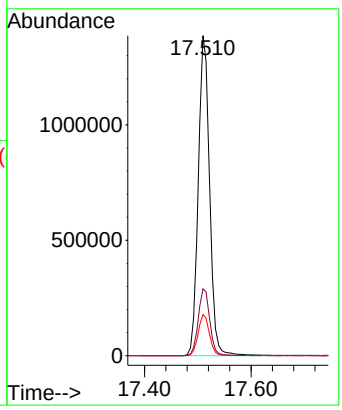


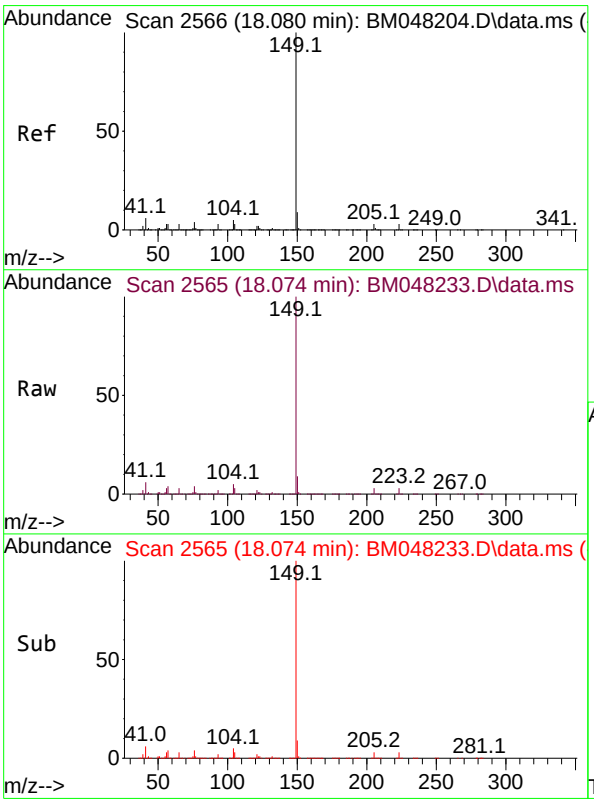
#73
Carbazole
Concen: 47.479 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:167 Resp: 2043704

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.9	10.4	15.6

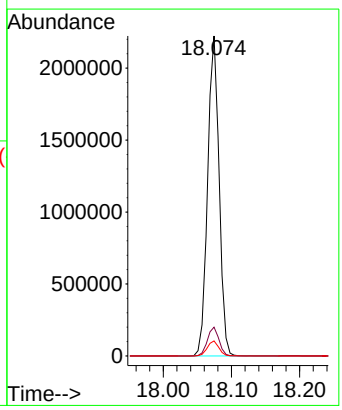


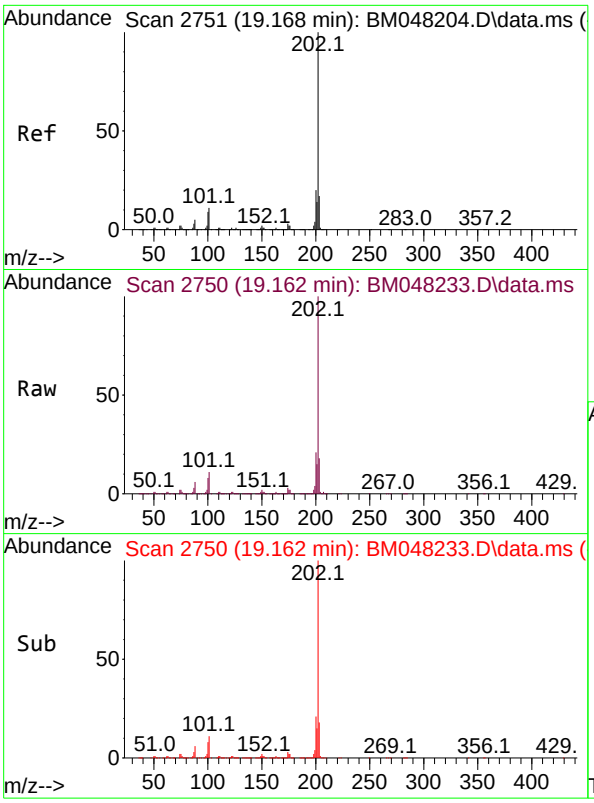


#74
Di-n-butylphthalate
Concen: 48.584 ng
RT: 18.074 min Scan# 2565
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:149 Resp: 2603062

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.7	3.8	5.6



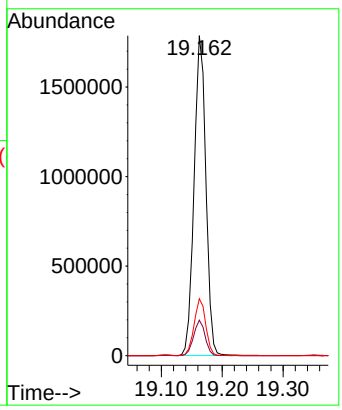


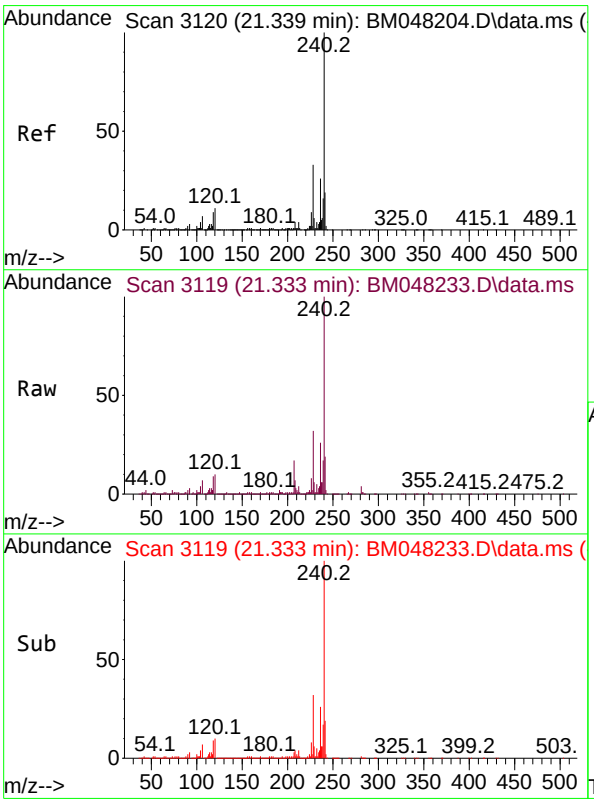
#75
Fluoranthene
Concen: 44.320 ng
RT: 19.162 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:202 Resp: 2398028

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.0
203	17.8	0.0	37.5

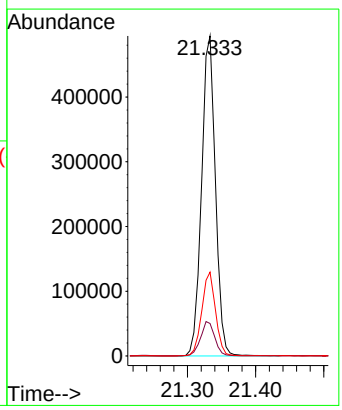


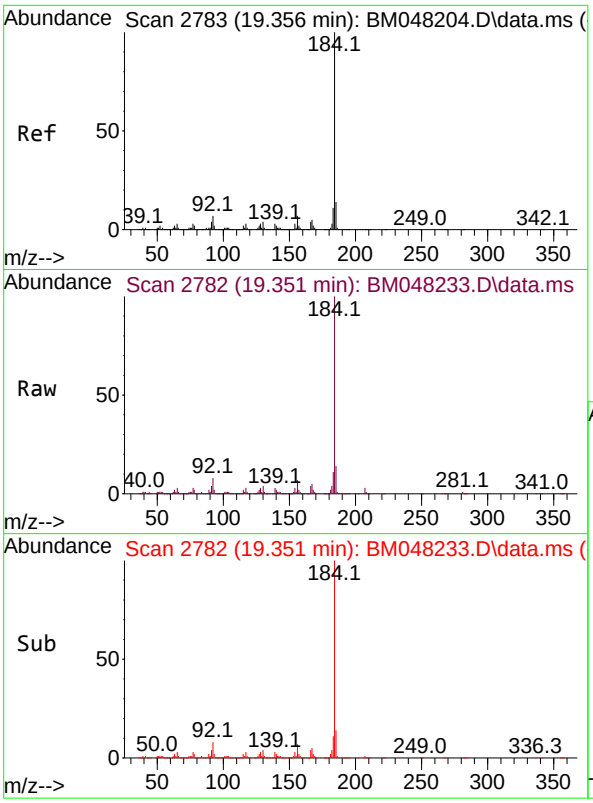


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:240 Resp: 699111

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.6	13.0
236	26.2	20.7	31.1



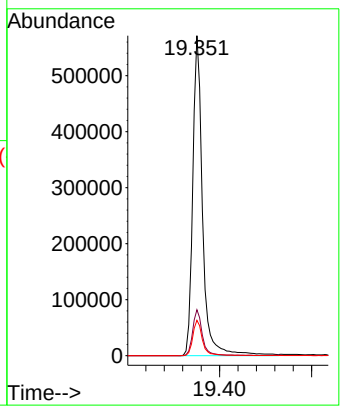


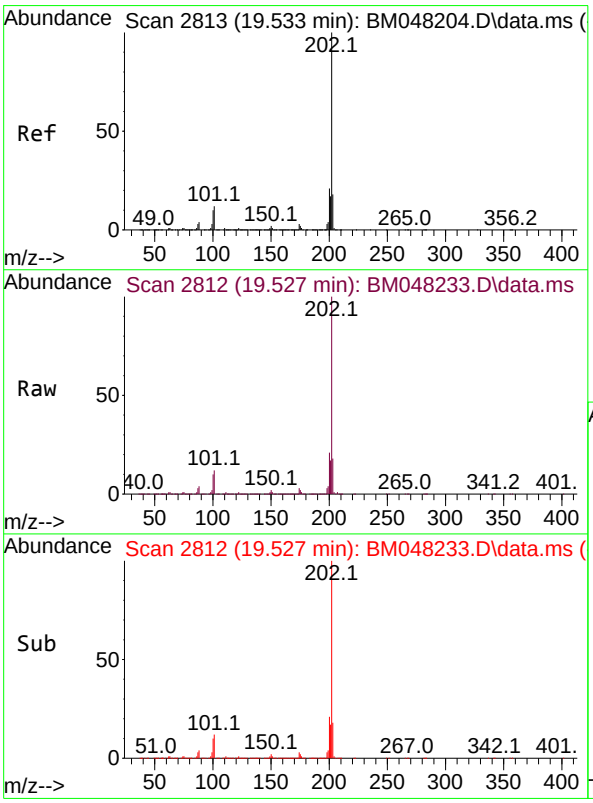
#77
Benzidine
Concen: 104.934 ng
RT: 19.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:184 Resp: 846649

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	11.1	9.0	13.4

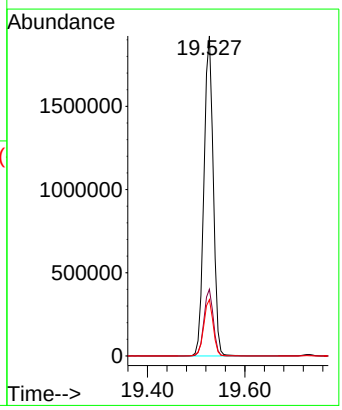


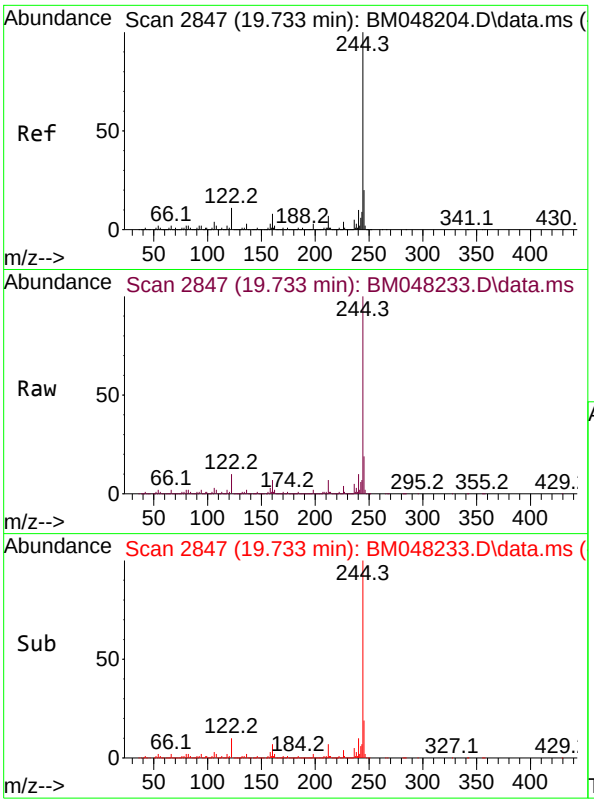


#78
Pyrene
Concen: 54.459 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:202 Resp: 2548311

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.6	14.1	21.1



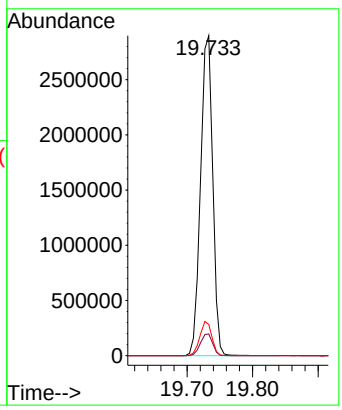


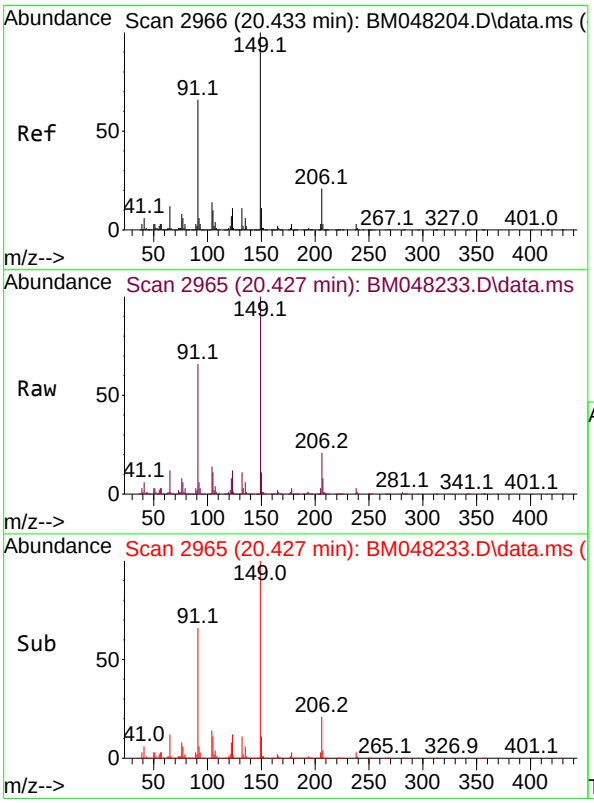
#79
Terphenyl-d14
Concen: 109.621 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:244 Resp: 3755388

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	8.8	13.2

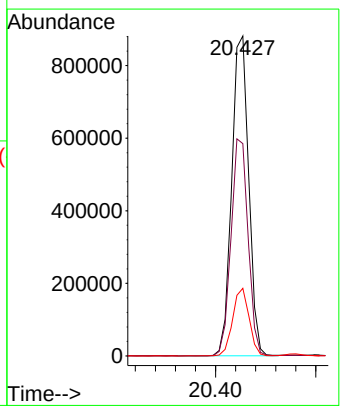


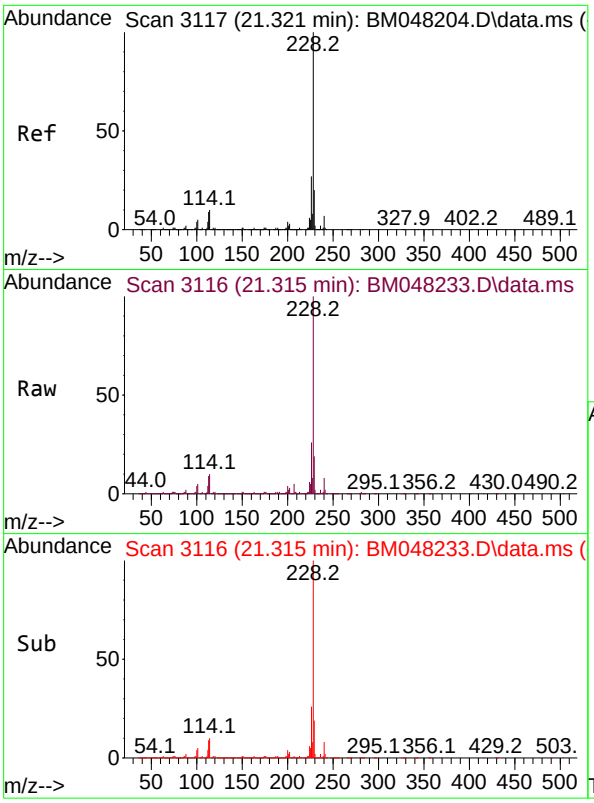


#80
Butylbenzylphthalate
Concen: 52.820 ng
RT: 20.427 min Scan# 2965
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:149 Resp: 1033558

Ion	Ratio	Lower	Upper
149	100		
91	66.4	52.5	78.7
206	21.1	17.0	25.6



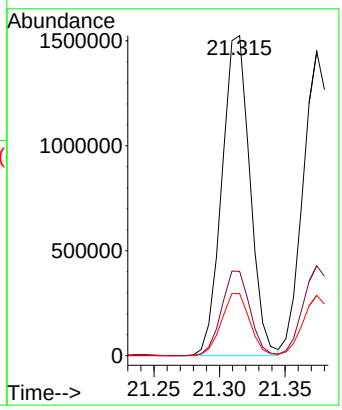


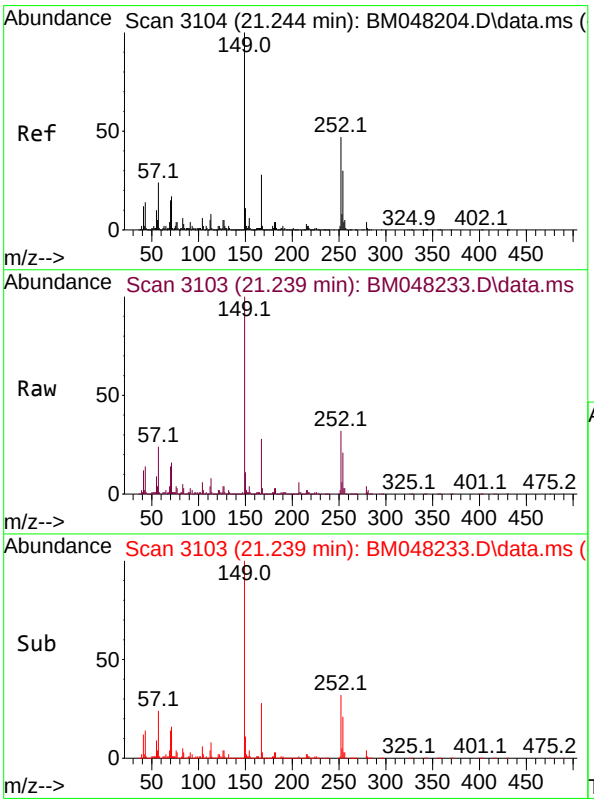
#81
Benzo(a)anthracene
Concen: 50.875 ng
RT: 21.315 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:228 Resp: 2272826

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.5	32.3
229	19.4	15.7	23.5

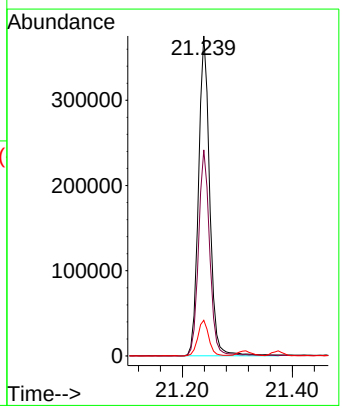


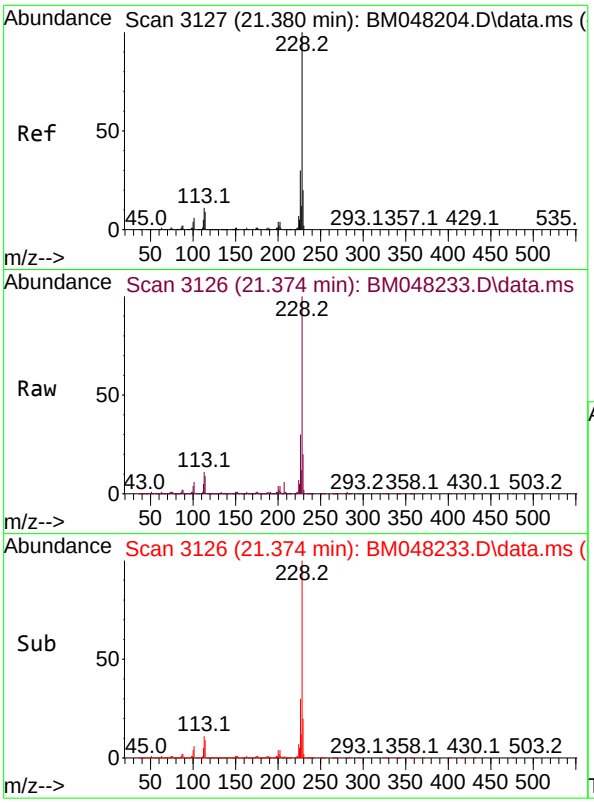


#82
3,3'-Dichlorobenzidine
Concen: 34.706 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:252 Resp: 531097

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.8
126	11.2	8.8	13.2



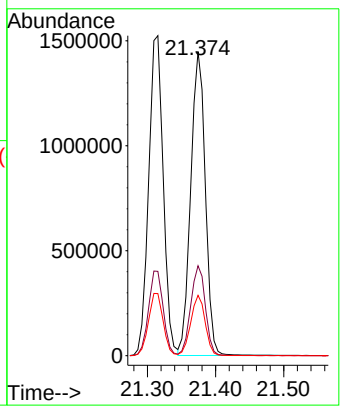


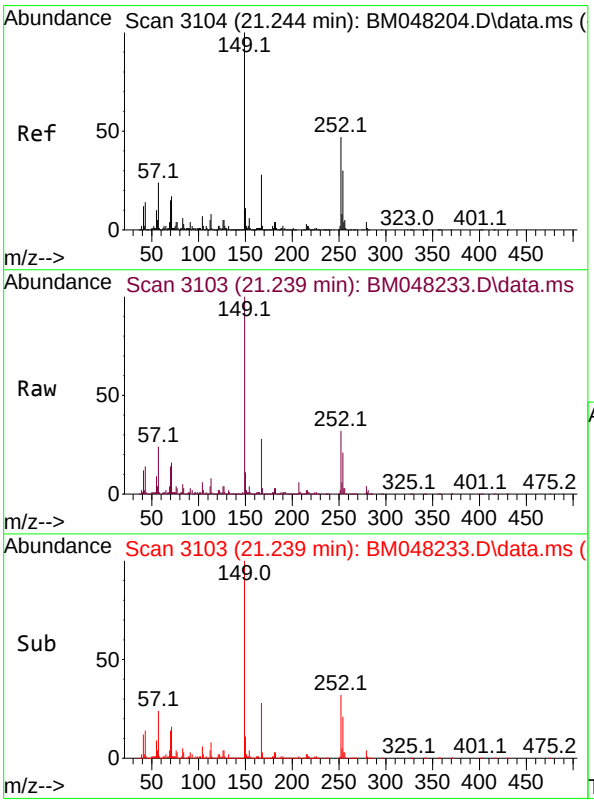
#83
Chrysene
Concen: 50.061 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:228 Resp: 2146699

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	19.8	15.7	23.5

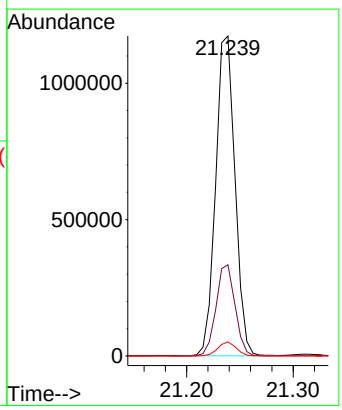


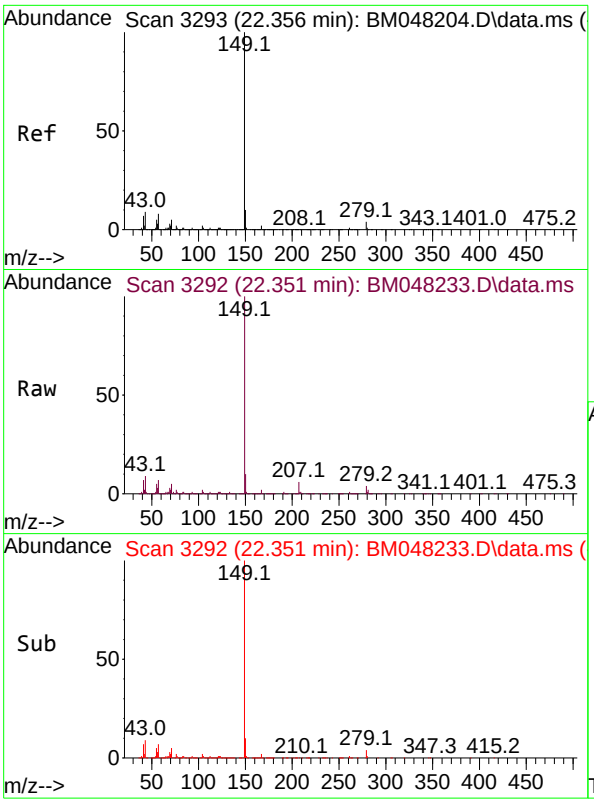


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.892 ng
RT: 21.239 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:149 Resp: 1475826

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.5	33.7
279	4.4	3.3	4.9



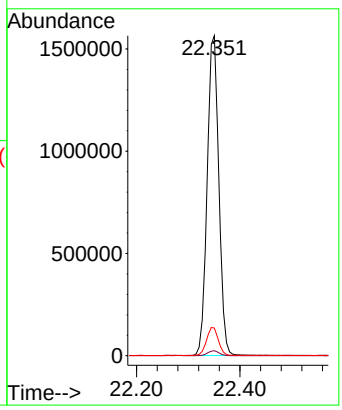


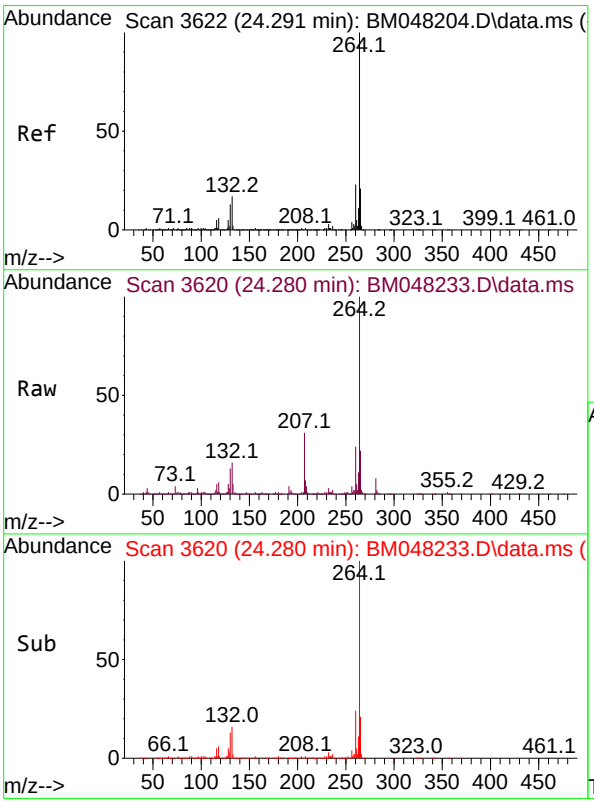
#85
Di-n-octyl phthalate
Concen: 49.541 ng
RT: 22.351 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:149 Resp: 2440203

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.9	7.3	10.9

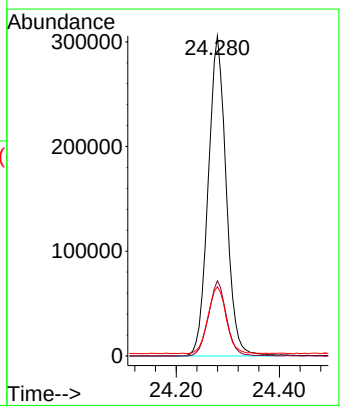


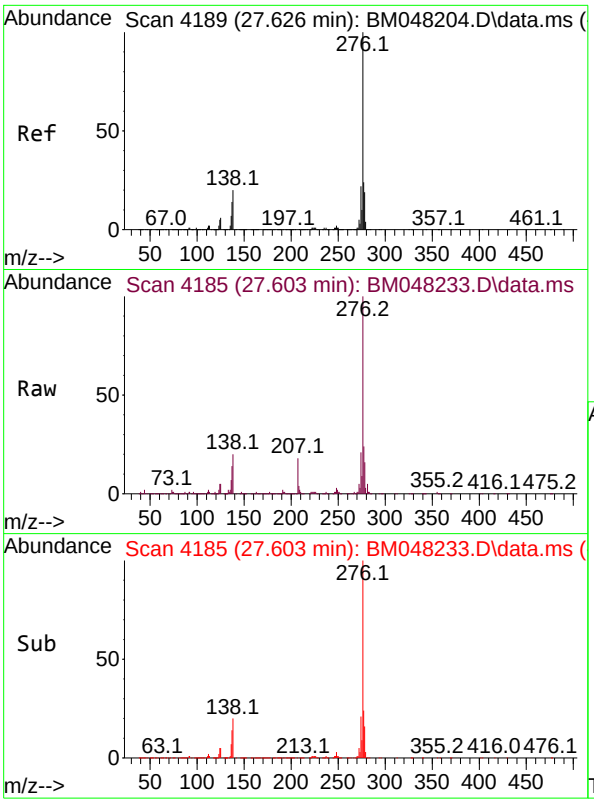


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.280 min Scan# 3620
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:264 Resp: 737917

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.6	17.4	26.2



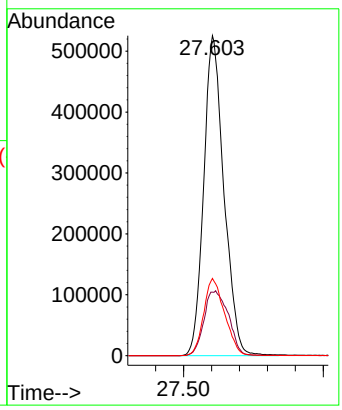


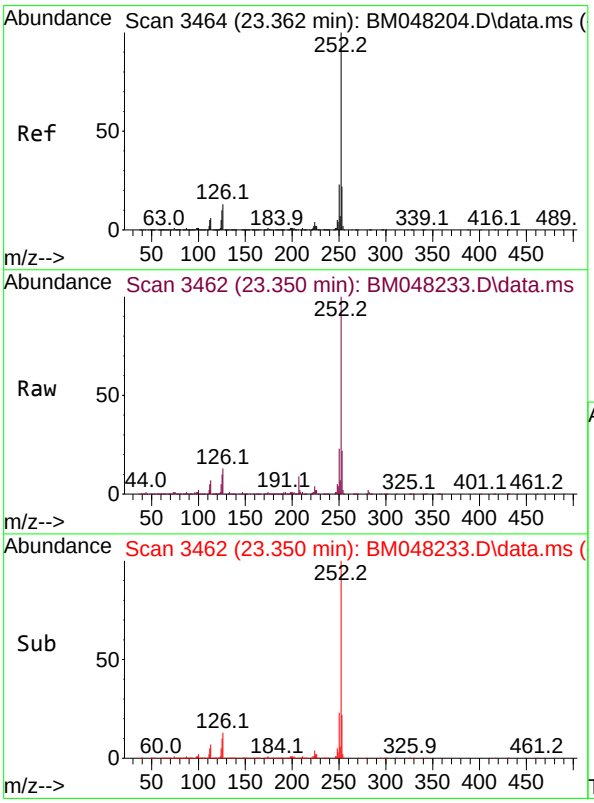
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.091 ng
RT: 27.603 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:276 Resp: 2639431

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.8	29.6
277	25.1	20.0	30.0

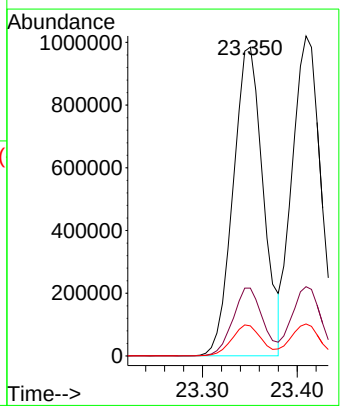


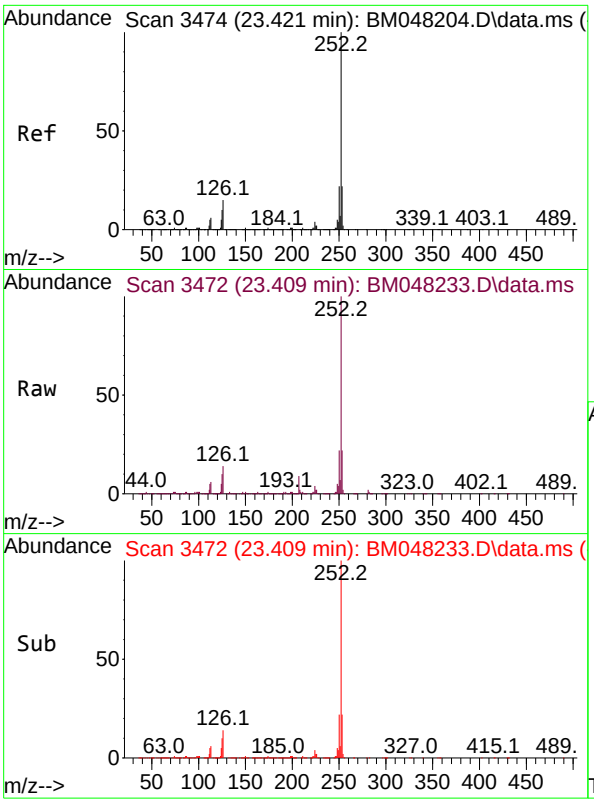


#88
Benzo(b)fluoranthene
Concen: 51.524 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:252 Resp: 2179954

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	9.8	7.9	11.9



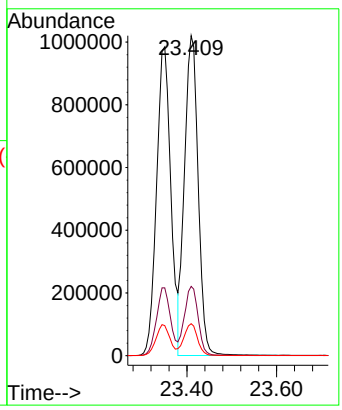


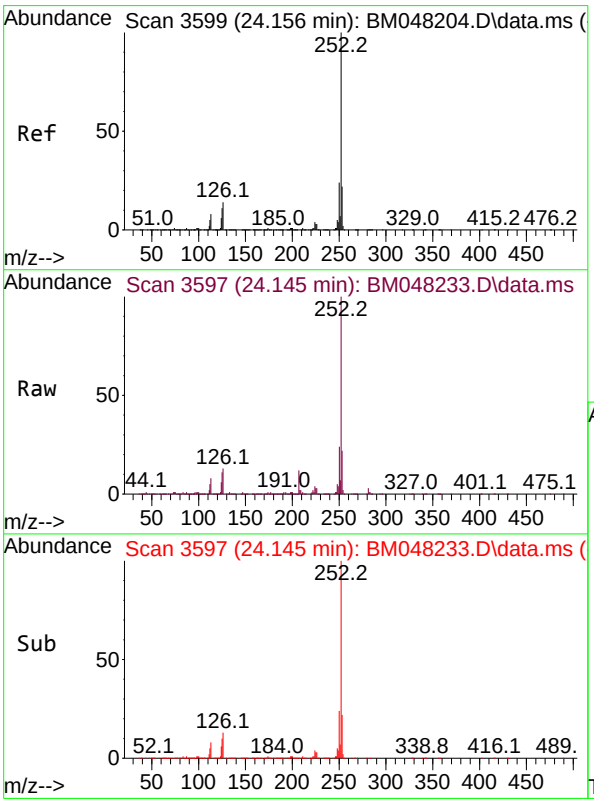
#89
Benzo(k)fluoranthene
Concen: 52.660 ng
RT: 23.409 min Scan# 34
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:252 Resp: 2154133

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	10.0	7.8	11.6

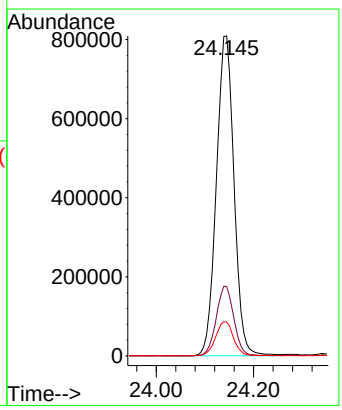


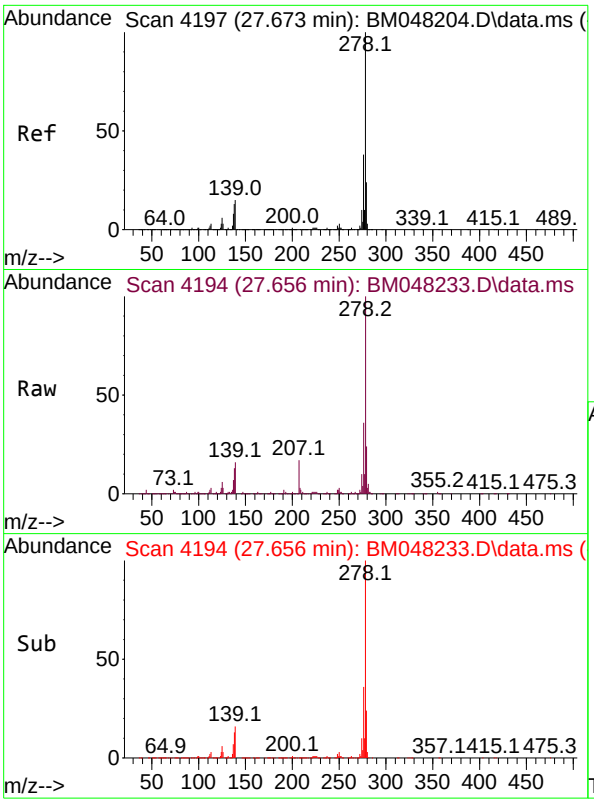


#90
Benzo(a)pyrene
Concen: 55.526 ng
RT: 24.145 min Scan# 3597
Delta R.T. -0.011 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:252 Resp: 2042425

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.5	8.8	13.2



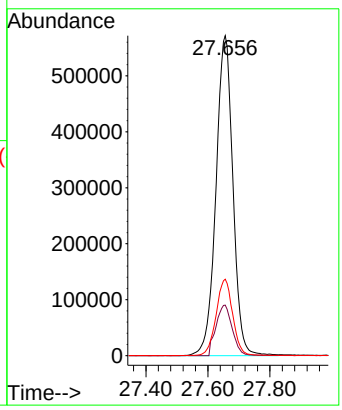


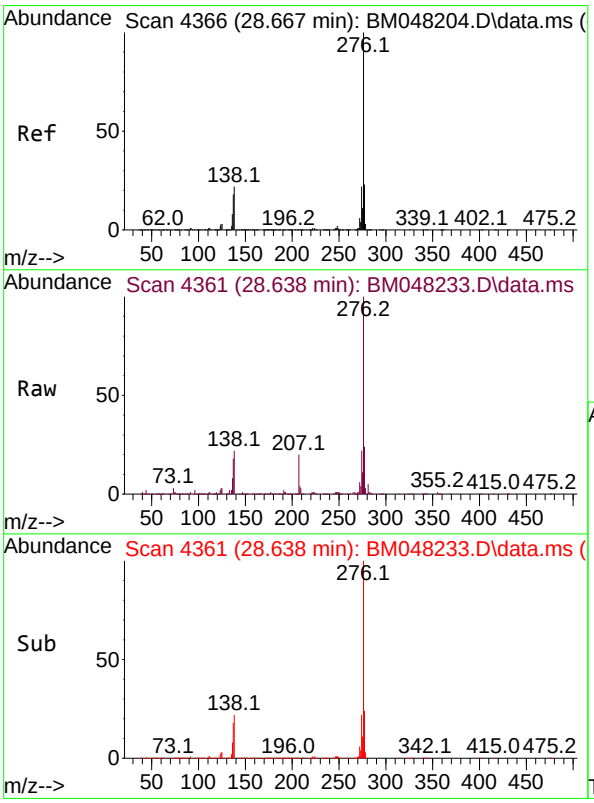
#91
Dibenzo(a,h)anthracene
Concen: 53.589 ng
RT: 27.656 min Scan# 4
Delta R.T. -0.017 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Tgt Ion:278 Resp: 2177602

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.2	18.4
279	23.9	19.0	28.6

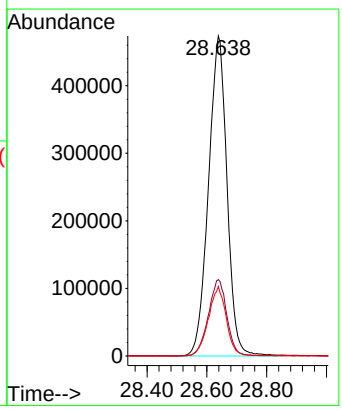




#92
Benzo(g,h,i)perylene
Concen: 48.889 ng
RT: 28.638 min Scan# 4361
Delta R.T. -0.029 min
Lab File: BM048233.D
Acq: 25 Oct 2024 12:58

Tgt Ion:276 Resp: 2034294

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.5	27.7
138	21.7	17.5	26.3



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140006.D	1	10/21/24 09:28	10/24/24 17:45	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	600		230	410	ug/Kg
108-95-2	Phenol	1900		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		100	210	ug/Kg
95-57-8	2-Chlorophenol	2000		100	210	ug/Kg
95-48-7	2-Methylphenol	1900		100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		110	210	ug/Kg
98-86-2	Acetophenone	2000		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		99.5	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		50.2	99.7	ug/Kg
67-72-1	Hexachloroethane	2100		100	210	ug/Kg
98-95-3	Nitrobenzene	1900		110	210	ug/Kg
78-59-1	Isophorone	2000		110	210	ug/Kg
88-75-5	2-Nitrophenol	2400		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		94.1	210	ug/Kg
91-20-3	Naphthalene	2100		100	210	ug/Kg
106-47-8	4-Chloroaniline	720		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	2000		100	210	ug/Kg
105-60-2	Caprolactam	2700		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		96.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	2000		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		89.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		92.3	210	ug/Kg
92-52-4	1,1-Biphenyl	2000		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	1900		100	210	ug/Kg
88-74-4	2-Nitroaniline	2200		120	210	ug/Kg
131-11-3	Dimethylphthalate	2000		100	210	ug/Kg

Raw Data: **BF140006.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140006.D	1	10/21/24 09:28	10/24/24 17:45	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2100		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		100	210	ug/Kg
99-09-2	3-Nitroaniline	1500		110	210	ug/Kg
83-32-9	Acenaphthene	2300		100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4100	E	140	410	ug/Kg
132-64-9	Dibenzofuran	2000		110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2300		110	210	ug/Kg
84-66-2	Diethylphthalate	2000		99.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		110	210	ug/Kg
86-73-7	Fluorene	2000		110	210	ug/Kg
100-01-6	4-Nitroaniline	2000		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3100		150	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		98.4	210	ug/Kg
118-74-1	Hexachlorobenzene	2100		110	210	ug/Kg
1912-24-9	Atrazine	2600		110	210	ug/Kg
87-86-5	Pentachlorophenol	4100	E	96.4	410	ug/Kg
85-01-8	Phenanthrene	2000		100	210	ug/Kg
120-12-7	Anthracene	2100		110	210	ug/Kg
86-74-8	Carbazole	1900		100	210	ug/Kg
84-74-2	Di-n-butylphthalate	2100		110	210	ug/Kg
206-44-0	Fluoranthene	1700		100	210	ug/Kg
129-00-0	Pyrene	1700		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	2100		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	2100		100	210	ug/Kg
218-01-9	Chrysene	2000		99.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		100	210	ug/Kg

Raw Data: **BF140006.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140006.D	1	10/21/24 09:28	10/24/24 17:45	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2200		120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		97.4	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		99.9	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		110	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		93.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		30 (18) - 130 (112)	79%	SPK: 150
13127-88-3	Phenol-d6	119		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.8		30 (18) - 130 (107)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.6		30 (20) - 130 (109)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	77.7		30 (10) - 130 (105)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	133000	6.892			
1146-65-2	Naphthalene-d8	485000	8.175			
15067-26-2	Acenaphthene-d10	254000	9.928			
1517-22-2	Phenanthrene-d10	408000	11.416			
1719-03-5	Chrysene-d12	232000	14.051			
1520-96-3	Perylene-d12	317000	15.533			

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\BF102424\
Data File : BF140006.D
Acq On : 24 Oct 2024 17:45
Operator : RC/JU
Sample : P4460-03MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Quant Time: Oct 24 18:16:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	132812	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	485291	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	253613	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	408327	20.000	ng		0.00
76) Chrysene-d12	14.051	240	231840	20.000	ng		0.00
86) Perylene-d12	15.533	264	316800	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	1009086	118.943	ng		0.01
7) Phenol-d6	6.516	99	1302368	118.528	ng		0.00
23) Nitrobenzene-d5	7.451	82	812163	92.755	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	332717	140.256	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	1389664	90.559	ng		0.00
79) Terphenyl-d14	12.998	244	1106097	77.742	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	160935	40.686	ng		95
3) Pyridine	3.487	79	409519	41.768	ng		96
4) n-Nitrosodimethylamine	3.440	42	220343	41.829	ng		94
6) Aniline	6.551	93	423608	41.366	ng		98
8) 2-Chlorophenol	6.675	128	419382	48.355	ng		96
9) Benzaldehyde	6.440	77	89315	14.449	ng		97
10) Phenol	6.528	94	530259m	46.810	ng		
11) bis(2-Chloroethyl)ether	6.628	93	408626	46.670	ng		98
12) 1,3-Dichlorobenzene	6.834	146	451474	45.348	ng		98
13) 1,4-Dichlorobenzene	6.910	146	459485	46.195	ng		98
14) 1,2-Dichlorobenzene	7.063	146	437217	47.098	ng		98
15) Benzyl Alcohol	7.028	79	378417	46.950	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	653421	43.767	ng		96
17) 2-Methylphenol	7.134	107	342003	46.245	ng		99
18) Hexachloroethane	7.404	117	181556	51.187	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	299954	45.011	ng		95
20) 3+4-Methylphenols	7.287	107	427624	45.207	ng		97
22) Acetophenone	7.298	105	580776	48.861	ng		98
24) Nitrobenzene	7.475	77	447960	46.662	ng		97
25) Isophorone	7.710	82	803381	48.341	ng		99
26) 2-Nitrophenol	7.787	139	212625	58.709	ng		97
27) 2,4-Dimethylphenol	7.822	122	326057	53.992	ng		98
28) bis(2-Chloroethoxy)met...	7.922	93	471268	46.804	ng		99
29) 2,4-Dichlorophenol	8.028	162	329975	47.972	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	350142	46.004	ng		100
31) Naphthalene	8.198	128	1251711	50.012	ng		100
32) Benzoic acid	7.928	122	241453	45.842	ng	#	77
33) 4-Chloroaniline	8.239	127	147841	17.323	ng		99
34) Hexachlorobutadiene	8.310	225	229807	48.055	ng		99
35) Caprolactam	8.598	113	143053	65.407	ng	#	62
36) 4-Chloro-3-methylphenol	8.716	107	351036	46.089	ng		98
37) 2-Methylnaphthalene	8.886	142	729328	47.580	ng		100
38) 1-Methylnaphthalene	8.986	142	675083	44.889	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	331657	48.473	ng		99
41) Hexachlorocyclopentadiene	9.039	237	397348	166.903	ng		100
43) 2,4,6-Trichlorophenol	9.163	196	239656	49.474	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140006.D
Acq On : 24 Oct 2024 17:45
Operator : RC/JU
Sample : P4460-03MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Quant Time: Oct 24 18:16:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

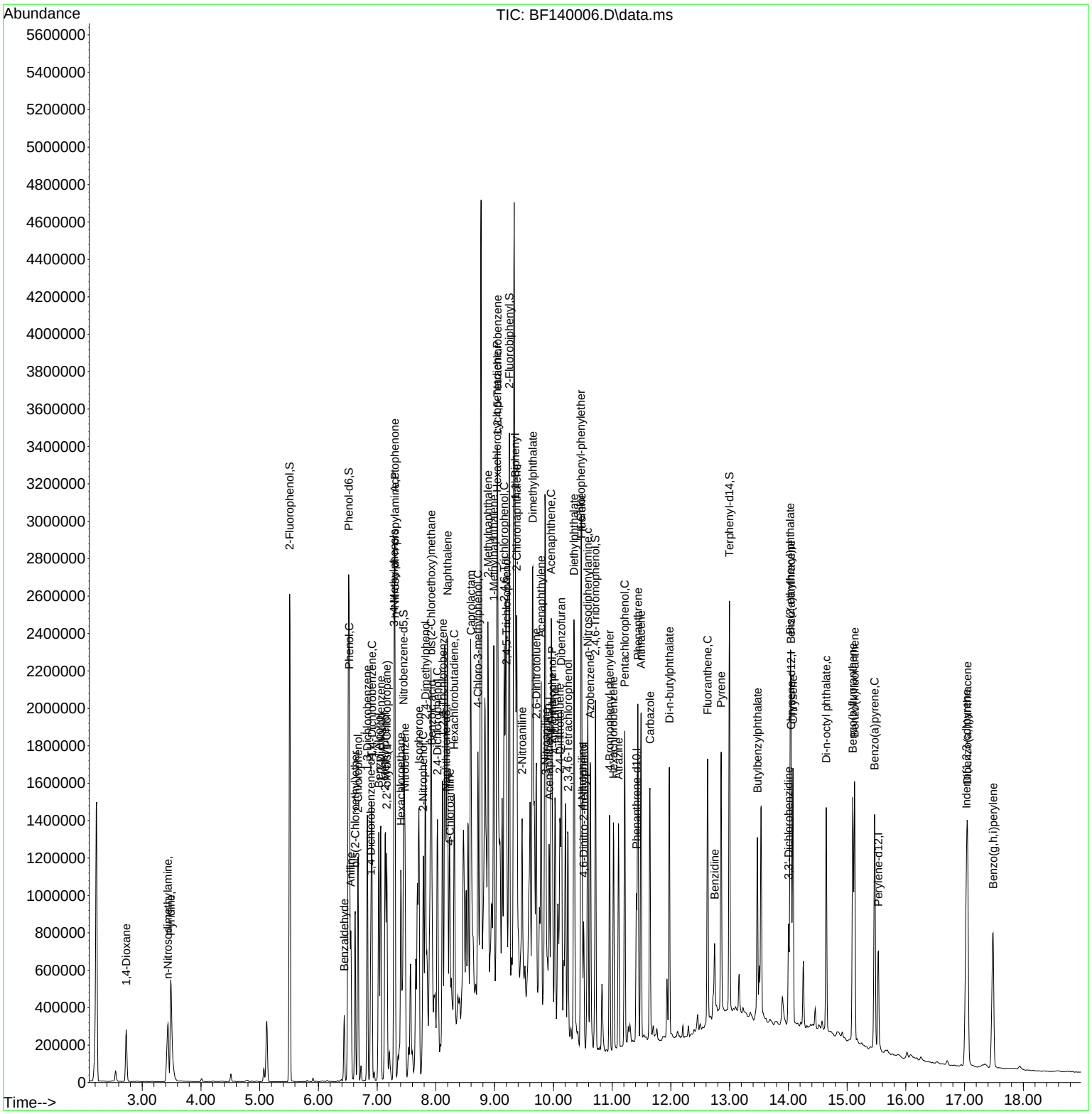
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	238505	47.722	ng	#	94
46) 1,1'-Biphenyl	9.351	154	840716	47.619	ng		99
47) 2-Chloronaphthalene	9.375	162	664744	46.748	ng		99
48) 2-Nitroaniline	9.469	65	227547	52.322	ng		91
49) Acenaphthylene	9.792	152	1047540	50.957	ng		99
50) Dimethylphthalate	9.651	163	751861	47.595	ng		100
51) 2,6-Dinitrotoluene	9.710	165	170904	49.966	ng		94
52) Acenaphthene	9.963	154	725130	54.527	ng		99
53) 3-Nitroaniline	9.875	138	124549	35.311	ng		97
54) 2,4-Dinitrophenol	9.980	184	182941	124.756	ng	#	1
55) Dibenzofuran	10.133	168	924548	48.456	ng		99
56) 4-Nitrophenol	10.028	139	269339	99.252	ng		97
57) 2,4-Dinitrotoluene	10.110	165	231462	55.029	ng	#	97
58) Fluorene	10.480	166	692046	47.620	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	200756	51.240	ng		96
60) Diethylphthalate	10.351	149	739923	47.705	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	354505	48.304	ng		99
62) 4-Nitroaniline	10.492	138	157376	47.241	ng		98
63) Azobenzene	10.628	77	813162	49.452	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	123597	74.208	ng		93
66) n-Nitrosodiphenylamine	10.586	169	639939	52.363	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	223018	53.017	ng		98
68) Hexachlorobenzene	11.022	284	237746	50.253	ng		99
69) Atrazine	11.110	200	203576	61.494	ng		99
70) Pentachlorophenol	11.216	266	281566	98.064	ng		98
71) Phenanthrene	11.439	178	933629	48.406	ng		100
72) Anthracene	11.492	178	955951	50.798	ng		100
73) Carbazole	11.645	167	797681	45.577	ng		99
74) Di-n-butylphthalate	11.974	149	1022219	50.554	ng		99
75) Fluoranthene	12.627	202	809238	41.503	ng		99
77) Benzidine	12.745	184	214417	56.244	ng		99
78) Pyrene	12.857	202	806610	39.747	ng		100
80) Butylbenzylphthalate	13.474	149	311437	51.189	ng		98
81) Benzo(a)anthracene	14.045	228	745519	49.398	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	165952	37.714	ng		98
83) Chrysene	14.080	228	674113	48.716	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	415213	60.828	ng		100
85) Di-n-octyl phthalate	14.645	149	789345	63.576	ng		97
87) Indeno(1,2,3-cd)pyrene	17.033	276	992966	48.721	ng		98
88) Benzo(b)fluoranthene	15.098	252	925046	47.935	ng		100
89) Benzo(k)fluoranthene	15.127	252	736766	44.269	ng		100
90) Benzo(a)pyrene	15.468	252	822922	51.824	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	820090	48.235	ng		98
92) Benzo(g,h,i)perylene	17.486	276	714813	42.091	ng		98

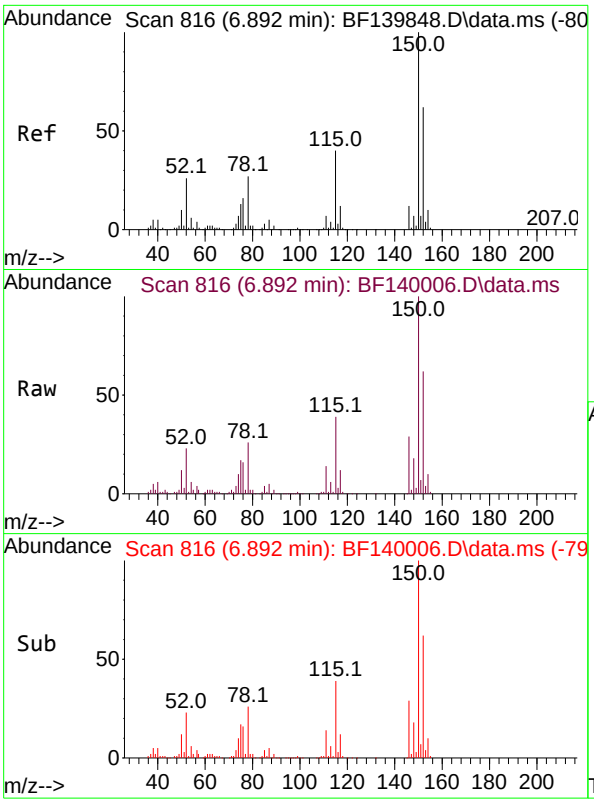
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140006.D
Acq On : 24 Oct 2024 17:45
Operator : RC/JU
Sample : P4460-03MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Quant Time: Oct 24 18:16:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



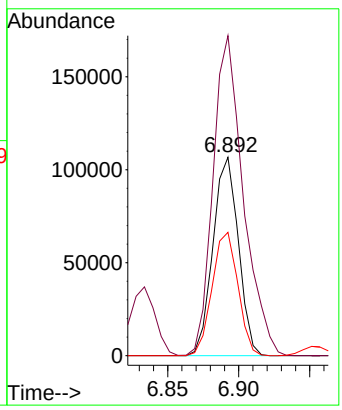


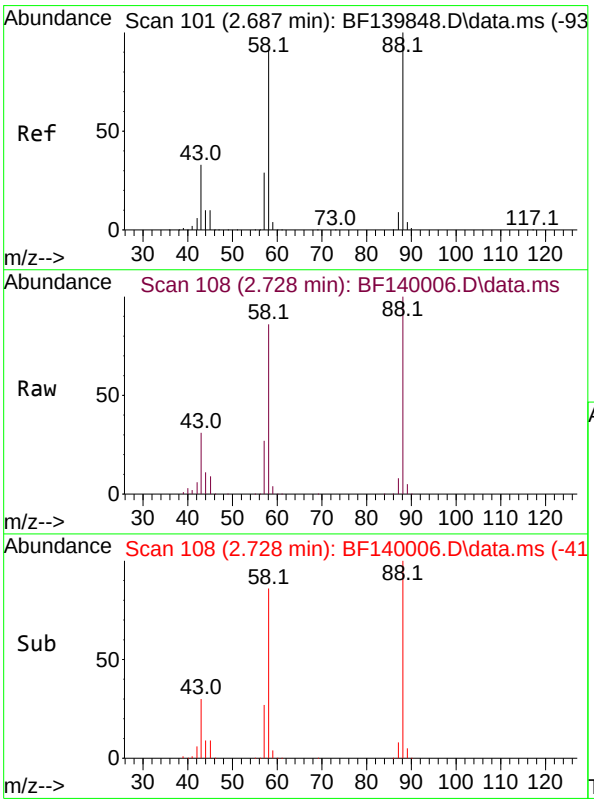
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:152 Resp: 132812

Ion	Ratio	Lower	Upper
152	100		
150	161.3	130.2	195.2
115	62.2	51.4	77.2

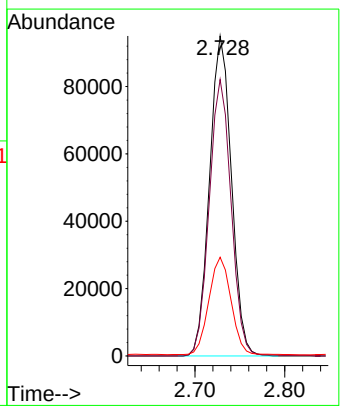


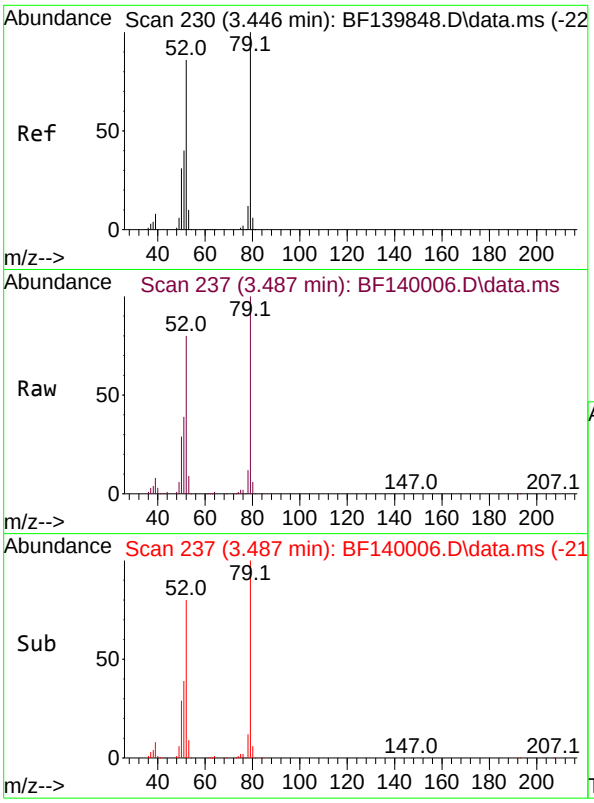


#2
1,4-Dioxane
Concen: 40.686 ng
RT: 2.728 min Scan# 108
Delta R.T. 0.041 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 88 Resp: 160935

Ion	Ratio	Lower	Upper
88	100		
58	86.5	73.3	109.9
43	31.0	27.1	40.7



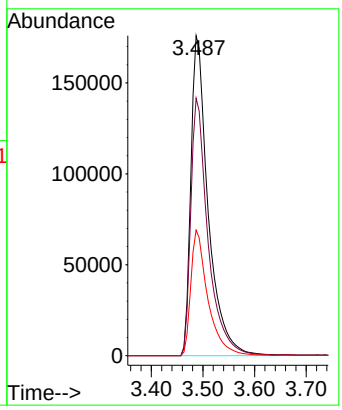


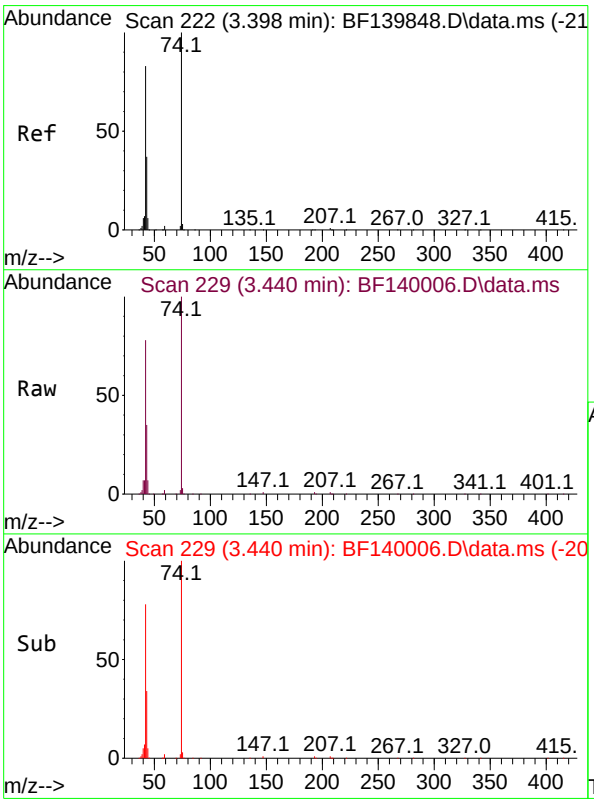
#3
Pyridine
Concen: 41.768 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 79 Resp: 409519

Ion	Ratio	Lower	Upper
79	100		
52	80.5	68.5	102.7
51	39.3	32.3	48.5

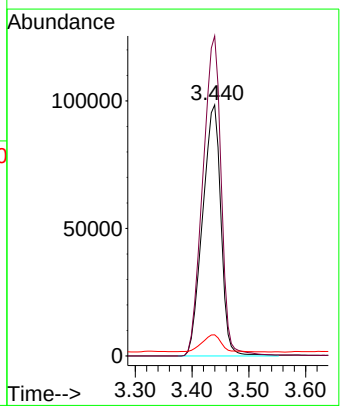


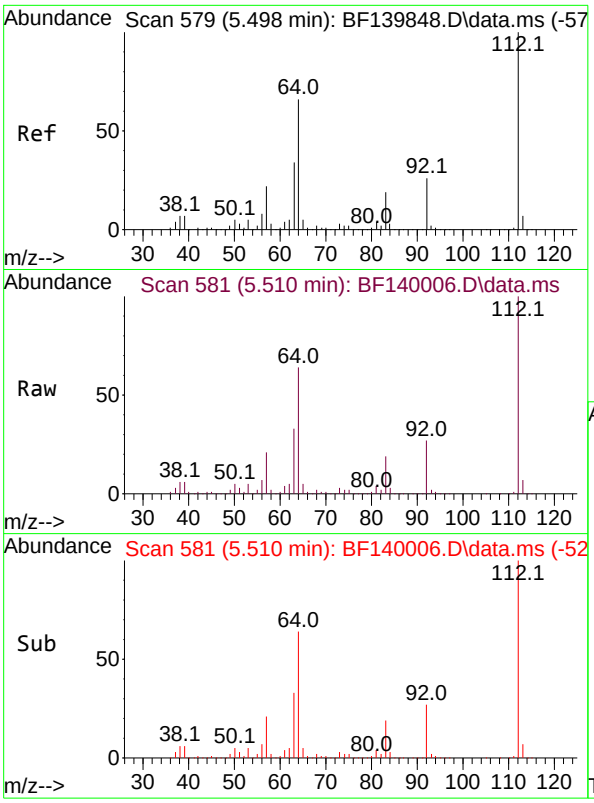


#4
n-Nitrosodimethylamine
Concen: 41.829 ng
RT: 3.440 min Scan# 229
Delta R.T. 0.041 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 42 Resp: 220343

Ion	Ratio	Lower	Upper
42	100		
74	127.5	96.2	144.4
44	8.4	6.2	9.2



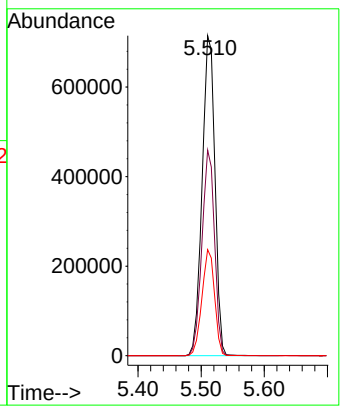


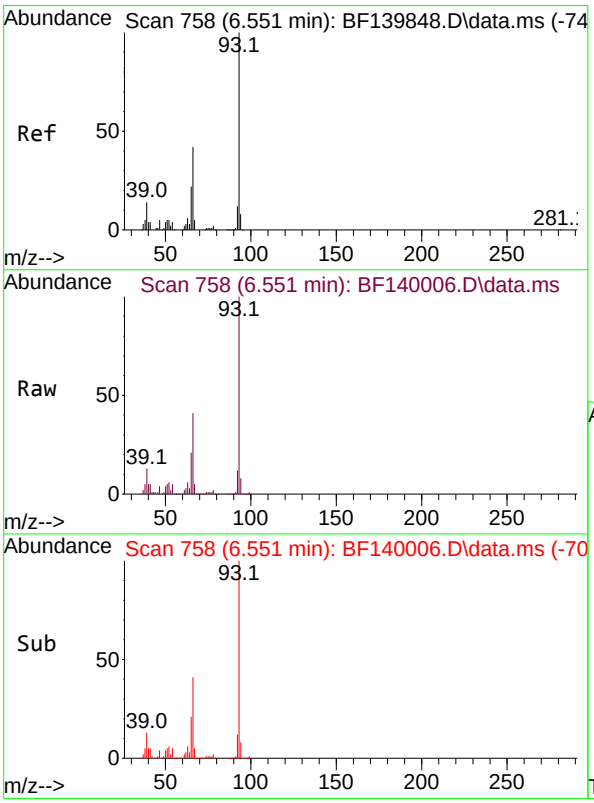
#5
2-Fluorophenol
Concen: 118.943 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:112 Resp: 1009086

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.0	79.6
63	33.2	27.0	40.4

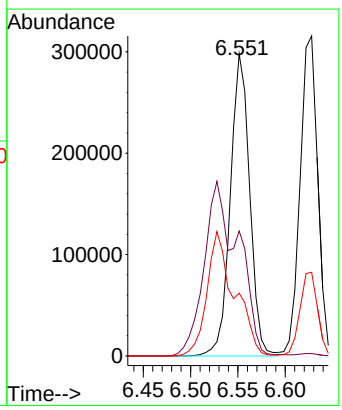


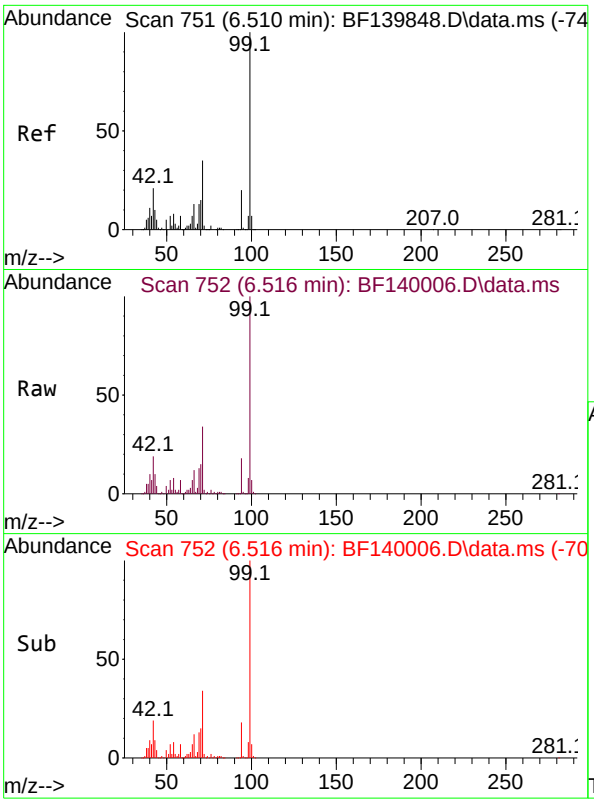


#6
Aniline
Concen: 41.366 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 93 Resp: 423608

Ion	Ratio	Lower	Upper
93	100		
66	41.4	34.0	51.0
65	20.8	17.4	26.0



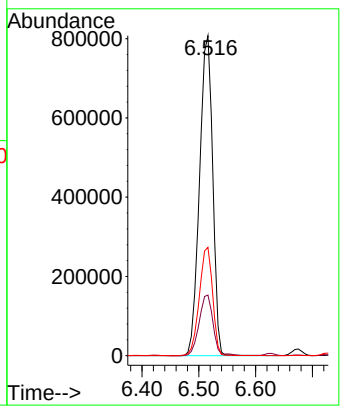


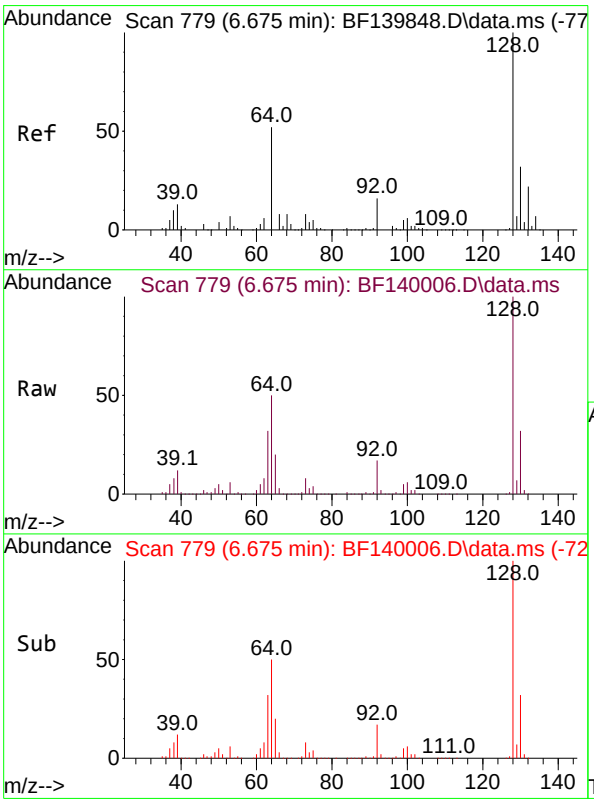
#7
Phenol-d6
Concen: 118.528 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 99 Resp: 1302368

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	33.9	27.7	41.5

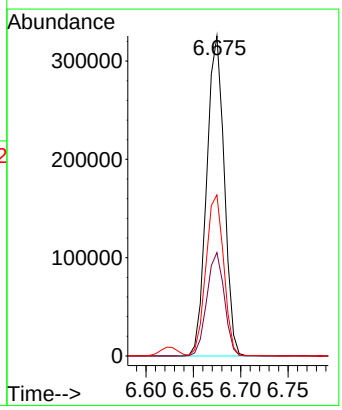


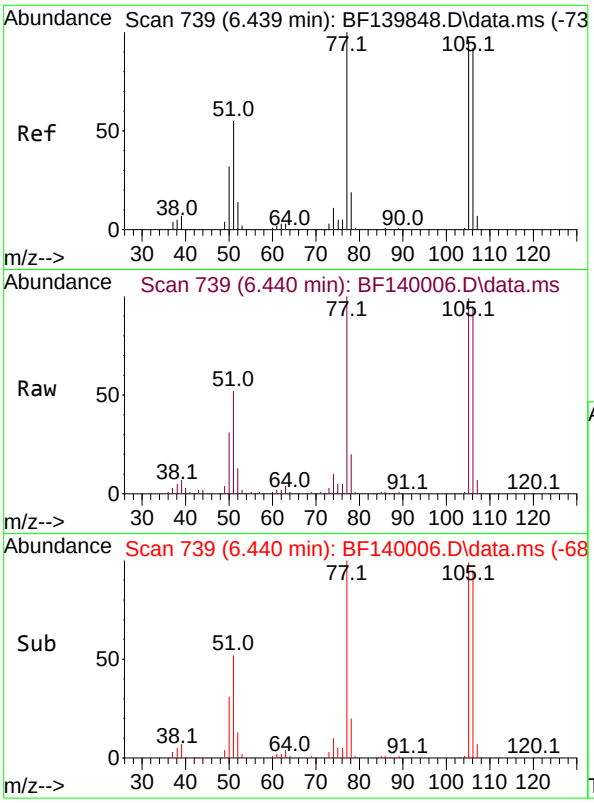


#8
2-Chlorophenol
Concen: 48.355 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:128 Resp: 419382

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	50.4	34.6	74.6



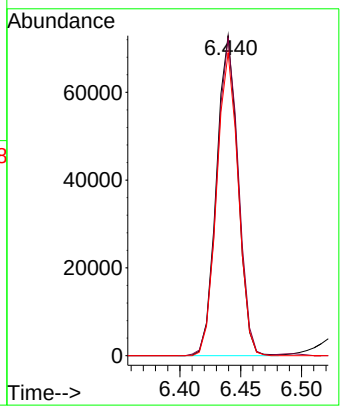


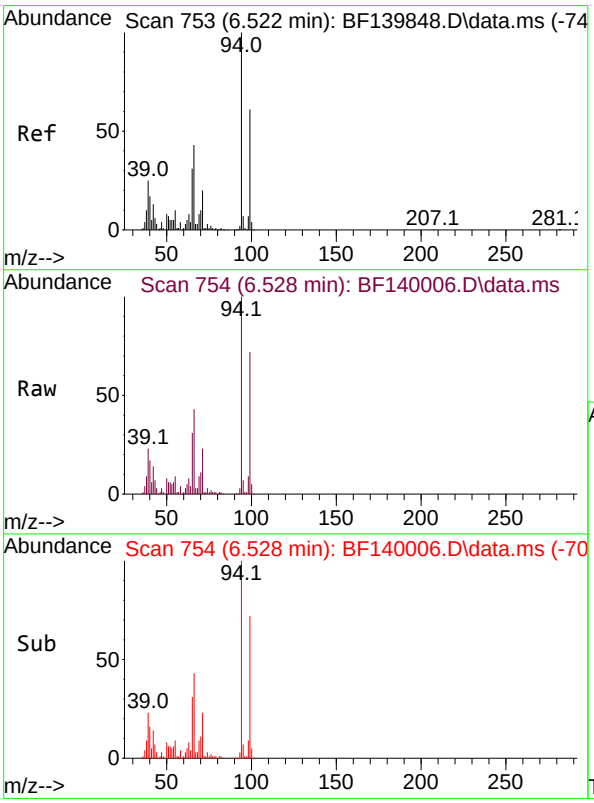
#9
Benzaldehyde
Concen: 14.449 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 77 Resp: 89315

Ion	Ratio	Lower	Upper
77	100		
105	99.3	75.5	115.5
106	94.7	71.7	111.7

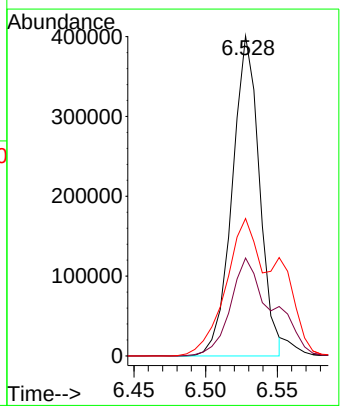


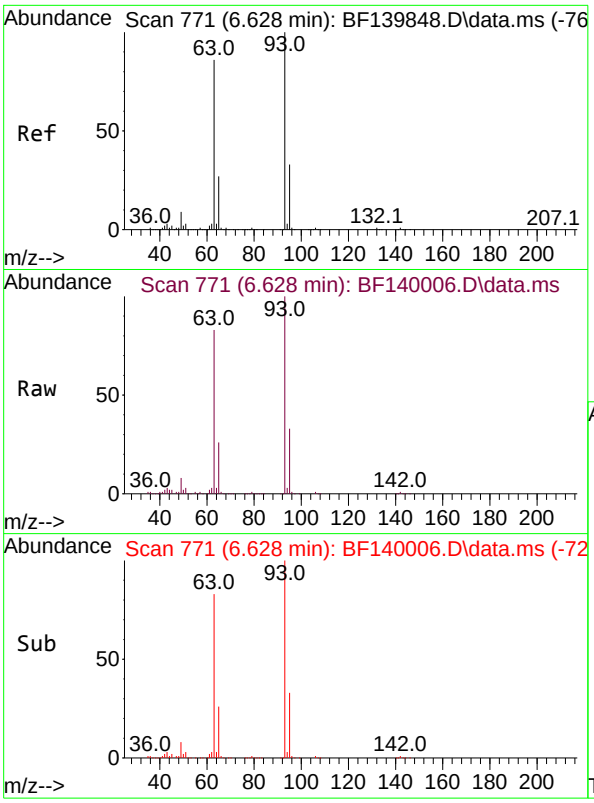


#10
Phenol
Concen: 46.810 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 94 Resp: 530259

Ion	Ratio	Lower	Upper
94	100		
65	30.6	11.1	51.1
66	43.0	22.7	62.7



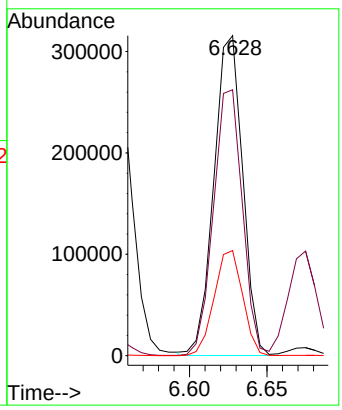


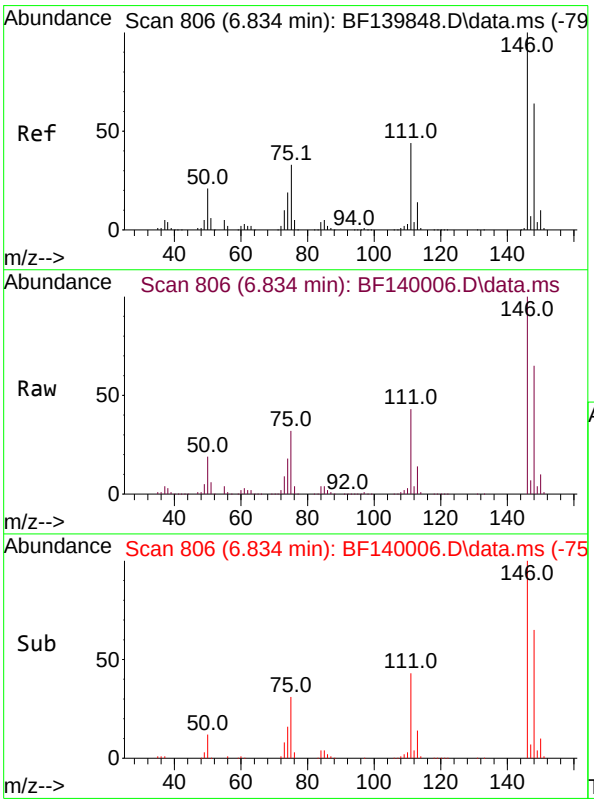
#11
bis(2-Chloroethyl)ether
Concen: 46.670 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 93 Resp: 408626

Ion	Ratio	Lower	Upper
93	100		
63	83.1	65.0	105.0
95	32.9	12.4	52.4

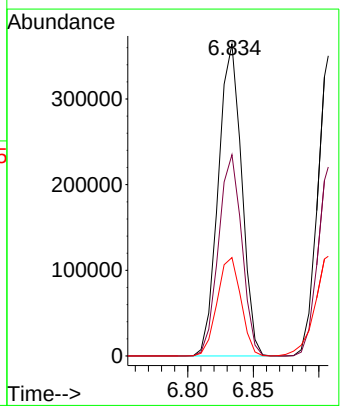


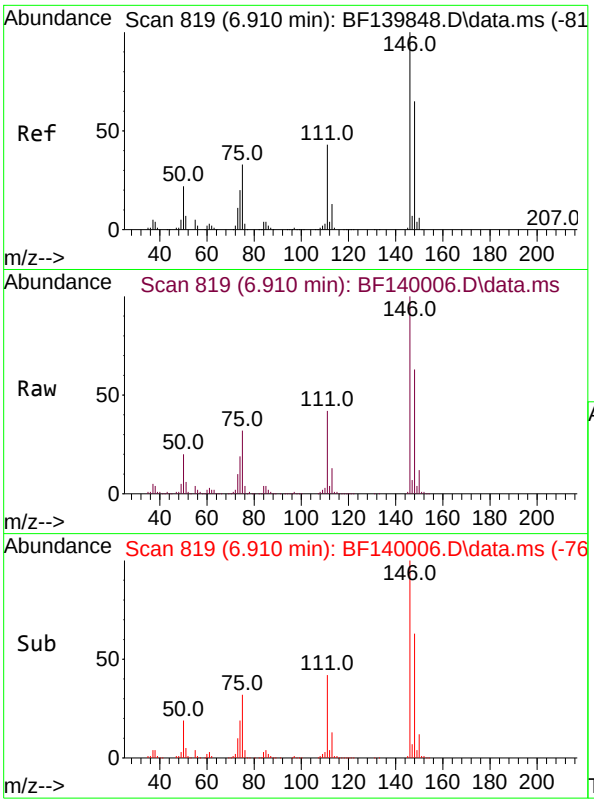


#12
1,3-Dichlorobenzene
Concen: 45.348 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:146 Resp: 451474

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.4
75	31.6	26.4	39.6



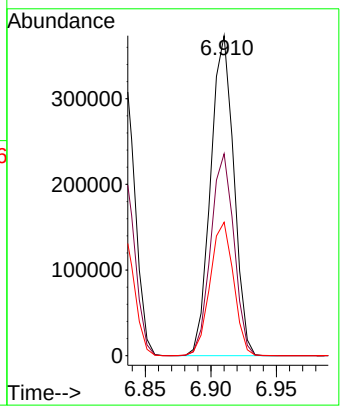


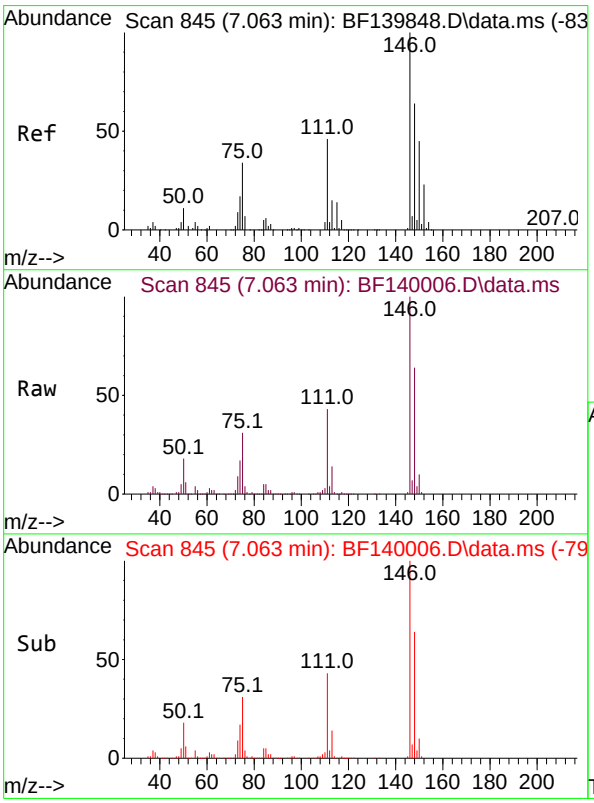
#13
1,4-Dichlorobenzene
Concen: 46.195 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:146 Resp: 459485

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.8	77.8
111	41.7	34.6	51.8

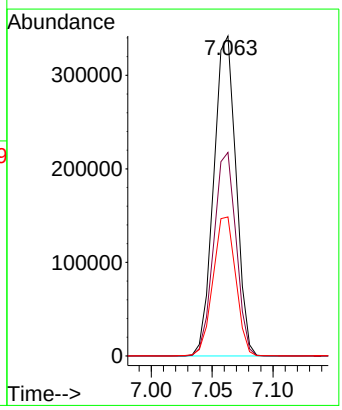


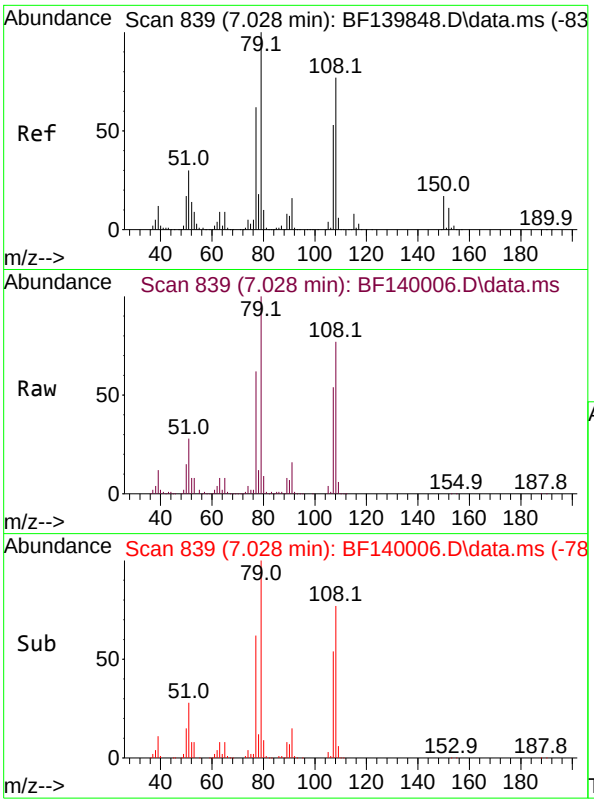


#14
1,2-Dichlorobenzene
Concen: 47.098 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:146 Resp: 437217

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	43.5	36.7	55.1



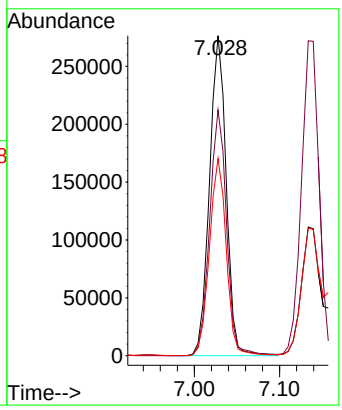


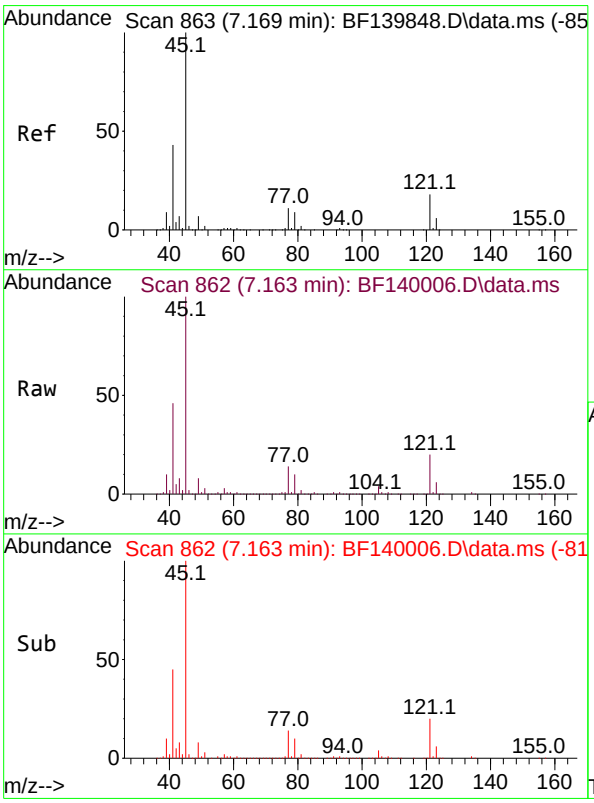
#15
Benzyl Alcohol
Concen: 46.950 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 79 Resp: 378417

Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.4	92.0
77	61.6	49.9	74.9

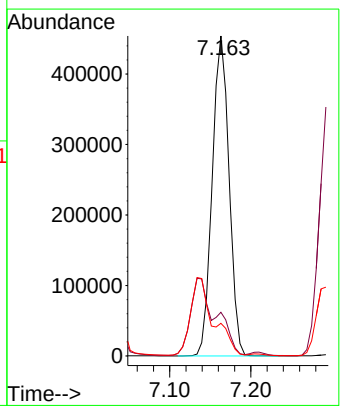


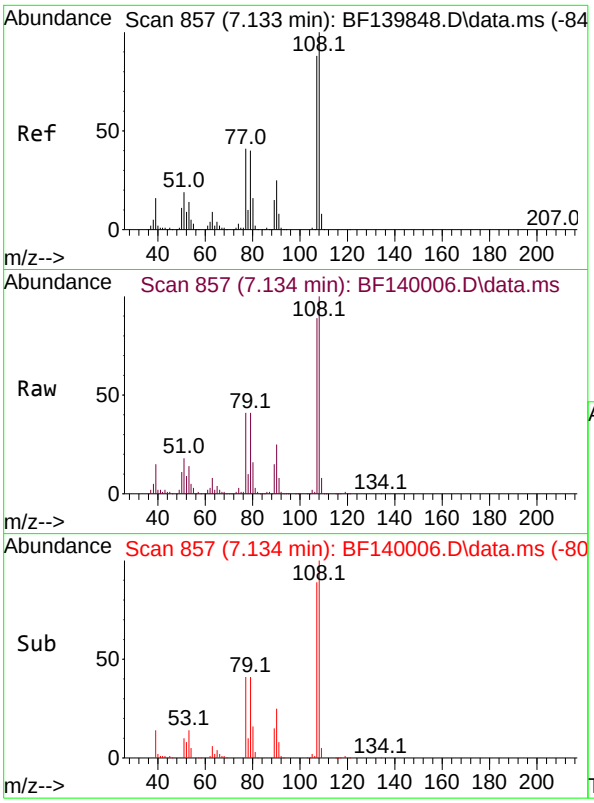


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.767 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 45 Resp: 653421

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	31.5
79	10.2	0.0	29.1



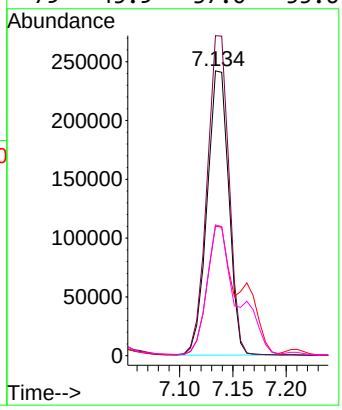


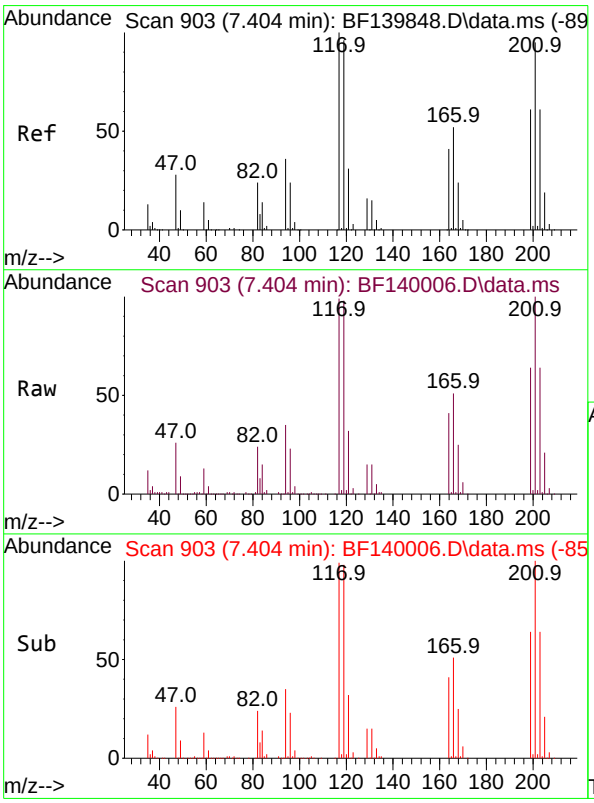
#17
2-Methylphenol
Concen: 46.245 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:107 Resp: 342003

Ion	Ratio	Lower	Upper
107	100		
108	112.4	91.3	136.9
77	45.5	37.1	55.7
79	45.9	37.0	55.6

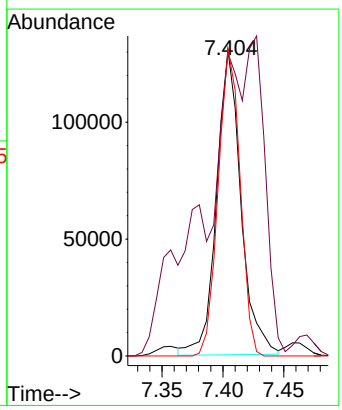


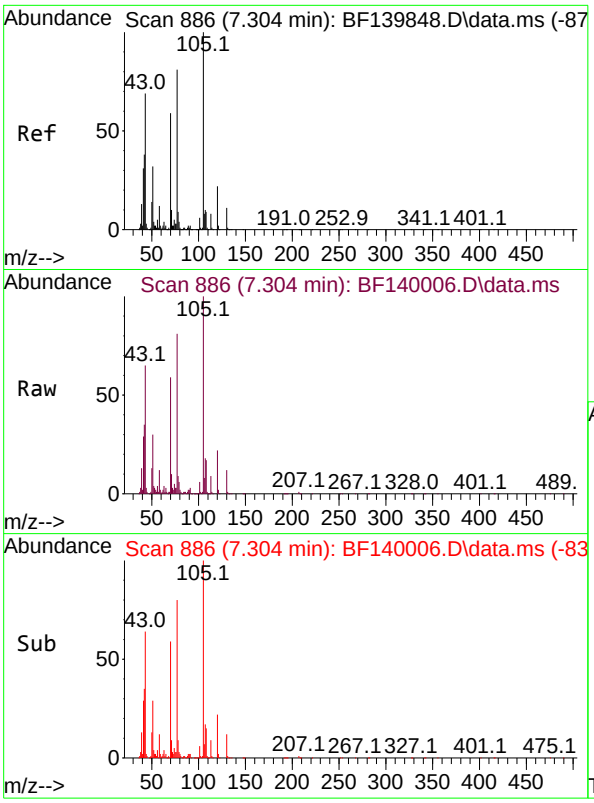


#18
Hexachloroethane
Concen: 51.187 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:117 Resp: 181556

Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.0	115.4
201	100.6	76.2	114.4



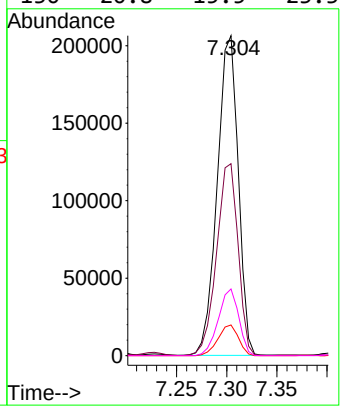


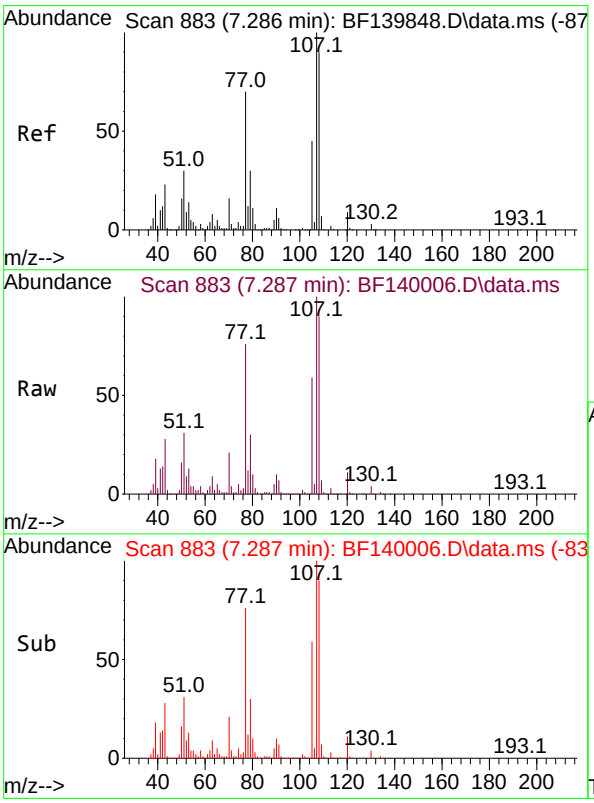
#19
n-Nitroso-di-n-propylamine
Concen: 45.011 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 70 Resp: 299954

Ion	Ratio	Lower	Upper
70	100		
42	60.0	51.5	77.3
101	9.6	7.5	11.3
130	20.8	15.5	23.3

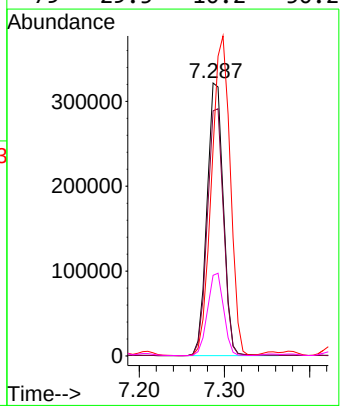


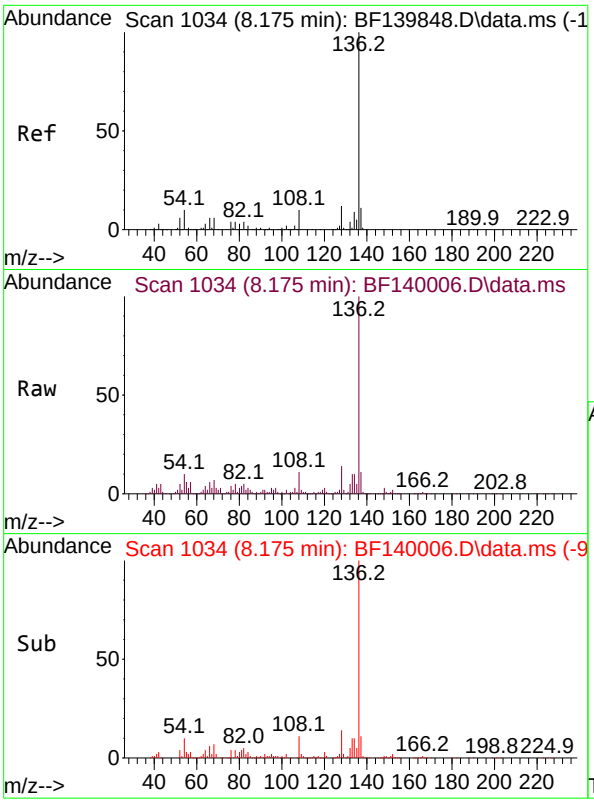


#20
3+4-Methylphenols
Concen: 45.207 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:107 Resp: 427624

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	76.0	50.5	90.5
79	29.5	10.2	50.2



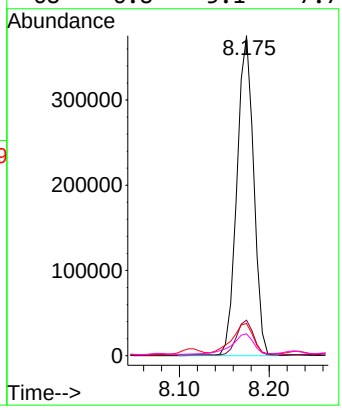


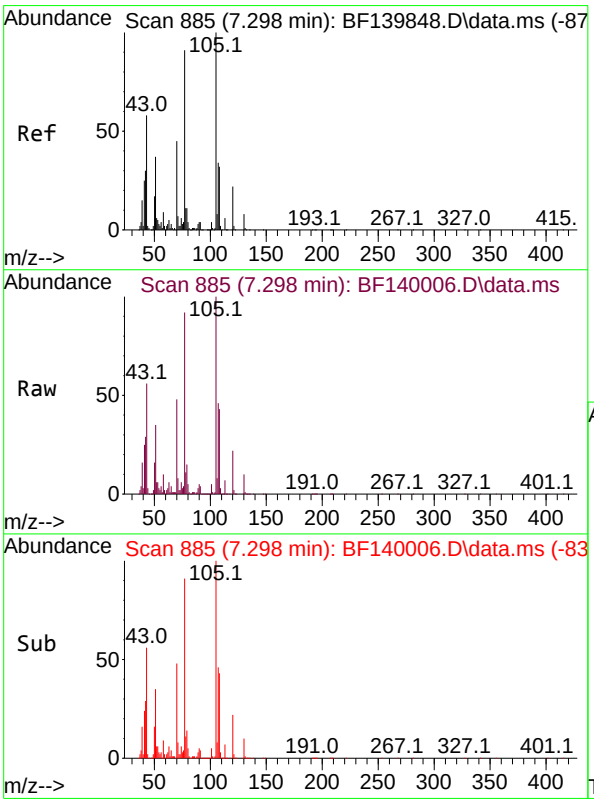
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:136 Resp: 485291

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.1	8.4	12.6
68	6.8	5.1	7.7

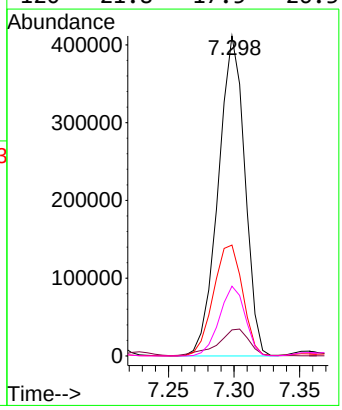


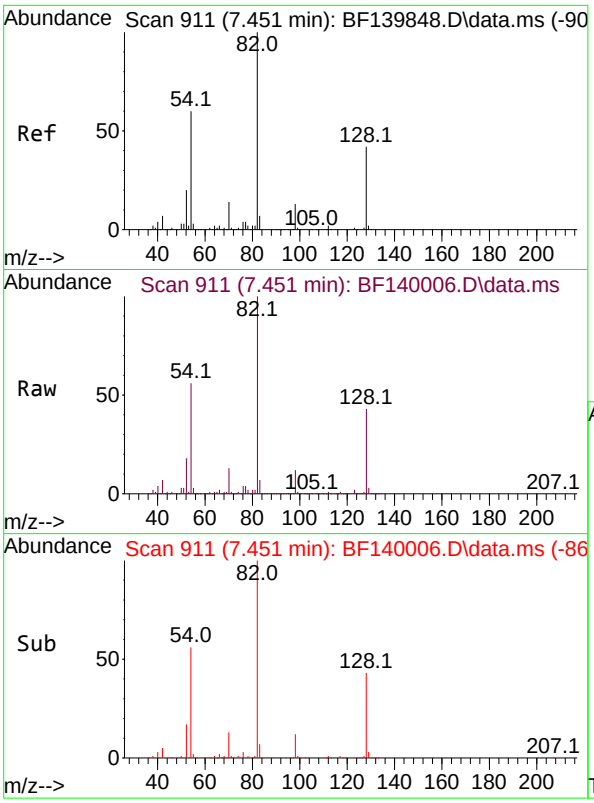


#22
Acetophenone
Concen: 48.861 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:105 Resp: 580776

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.9	8.9
51	34.7	29.4	44.2
120	21.8	17.5	26.3



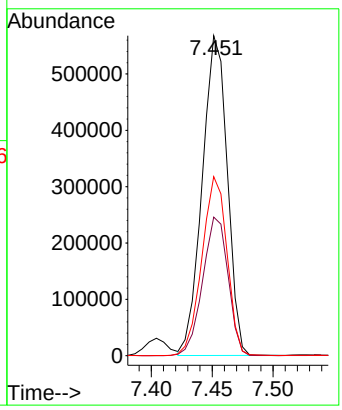


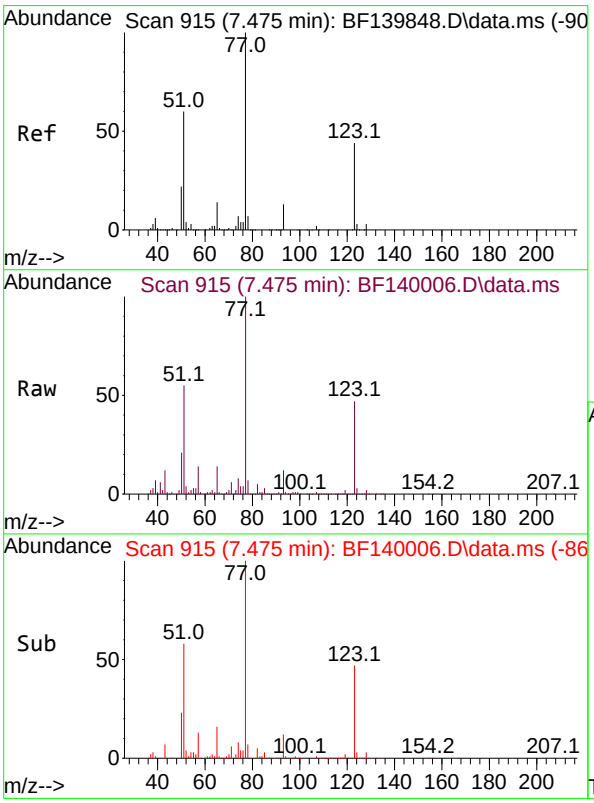
#23
Nitrobenzene-d5
Concen: 92.755 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 82 Resp: 812163

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.4	50.0
54	56.0	47.8	71.8

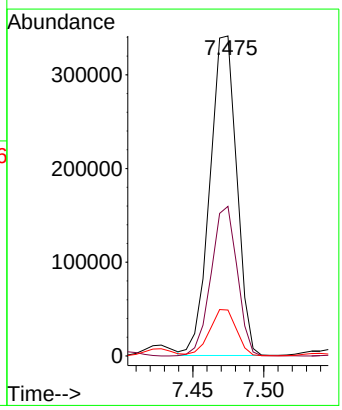


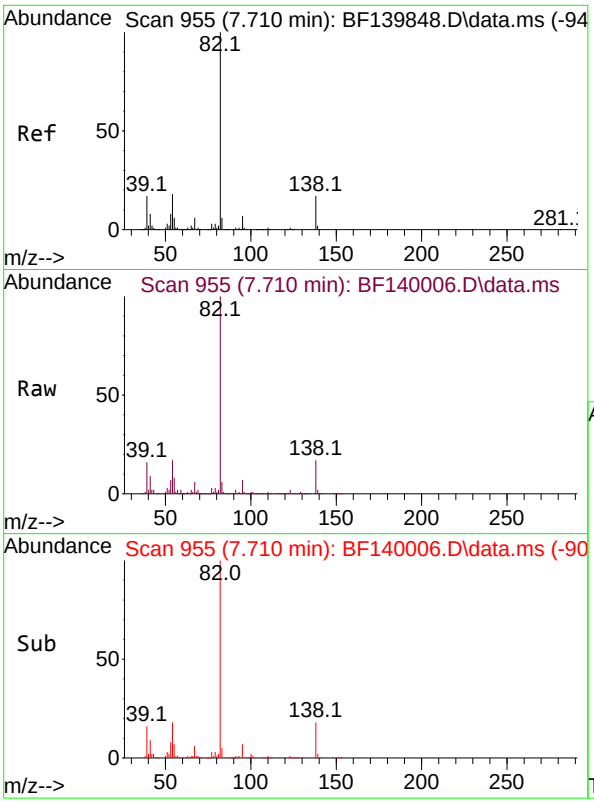


#24
Nitrobenzene
Concen: 46.662 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 77 Resp: 447960

Ion	Ratio	Lower	Upper
77	100		
123	46.7	35.7	53.5
65	14.4	11.5	17.3



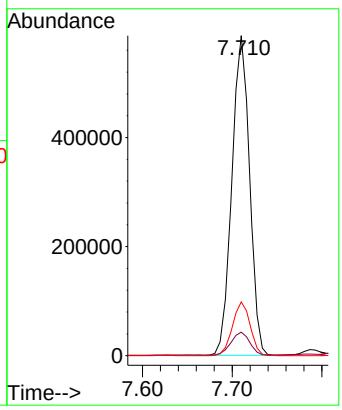


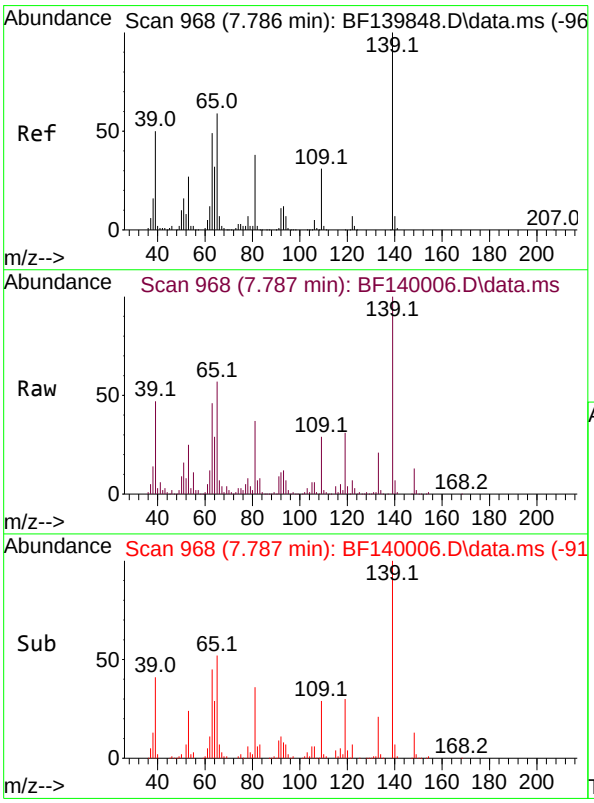
#25
Isophorone
Concen: 48.341 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 82 Resp: 803381

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	16.8	13.2	19.8

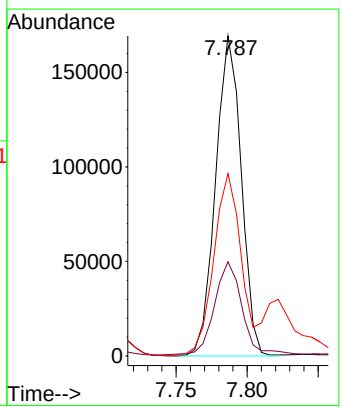


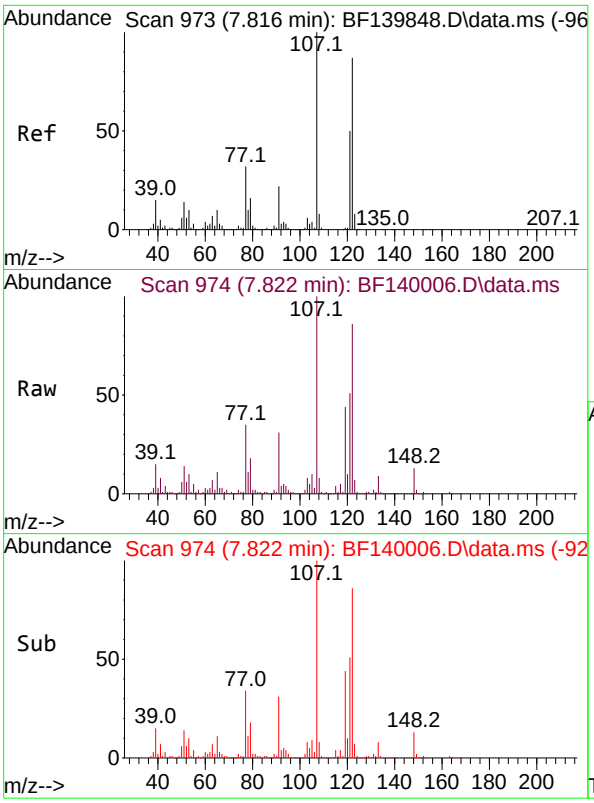


#26
2-Nitrophenol
Concen: 58.709 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:139 Resp: 212625

Ion	Ratio	Lower	Upper
139	100		
109	29.5	25.1	37.7
65	57.0	47.5	71.3



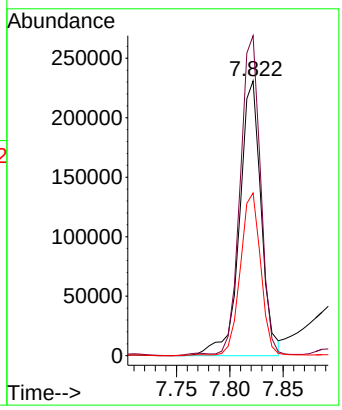


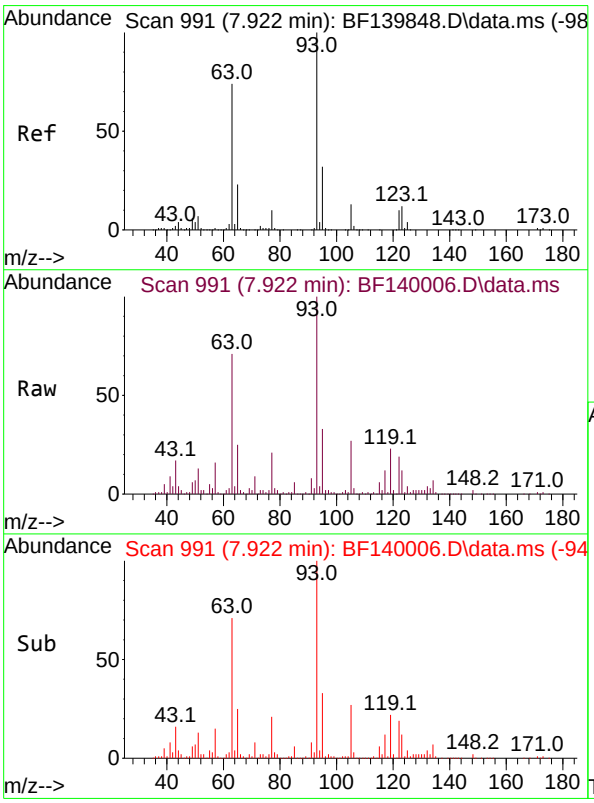
#27
2,4-Dimethylphenol
Concen: 53.992 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:122 Resp: 326057

Ion	Ratio	Lower	Upper
122	100		
107	116.5	91.9	137.9
121	59.2	46.2	69.4

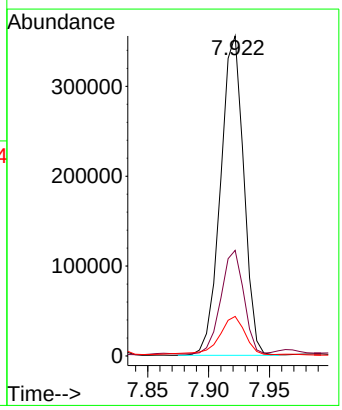


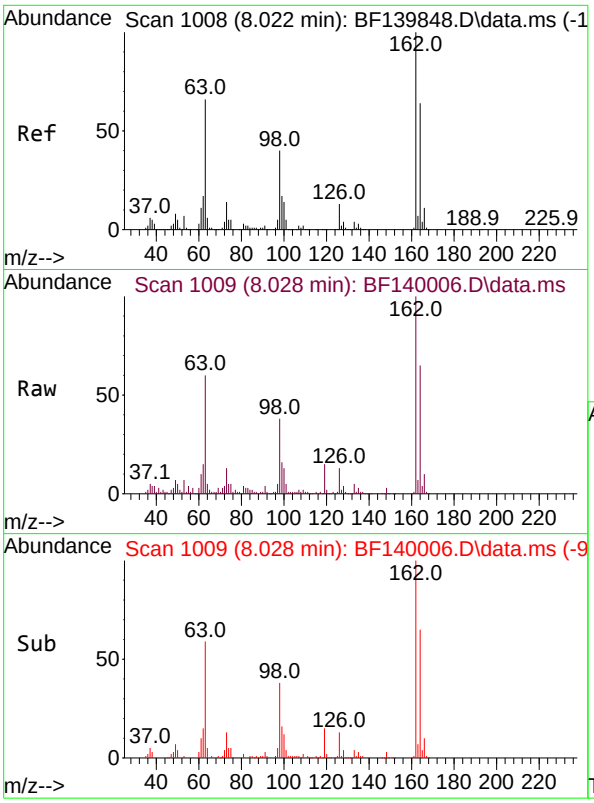


#28
bis(2-Chloroethoxy)methane
Concen: 46.804 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 93 Resp: 471268

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	12.3	9.8	14.8



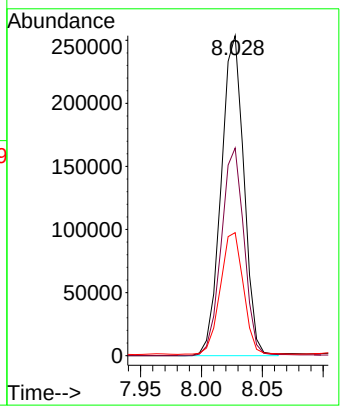


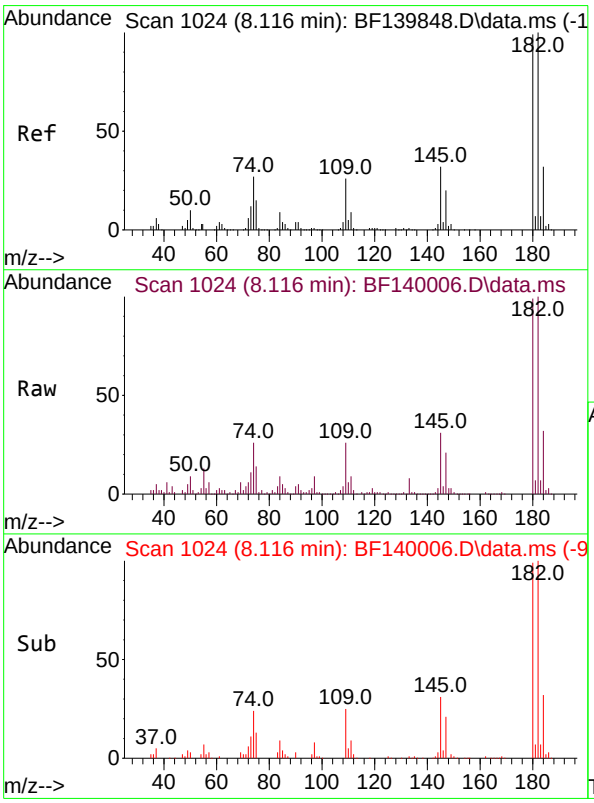
#29
2,4-Dichlorophenol
Concen: 47.972 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:162 Resp: 329975

Ion	Ratio	Lower	Upper
162	100		
164	64.9	43.9	83.9
98	38.4	19.9	59.9

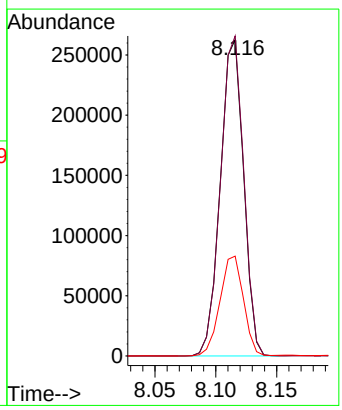


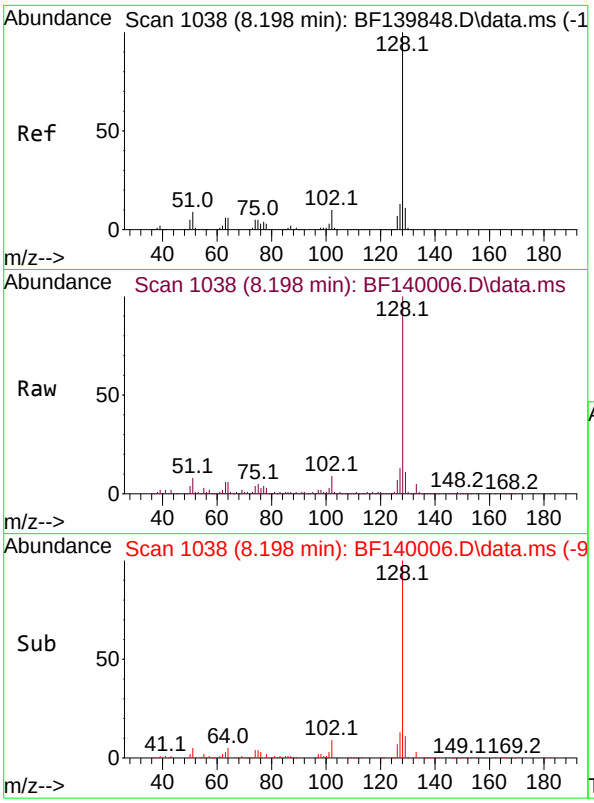


#30
1,2,4-Trichlorobenzene
Concen: 46.004 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:180 Resp: 350142

Ion	Ratio	Lower	Upper
180	100		
182	101.1	80.5	120.7
145	31.6	25.4	38.0



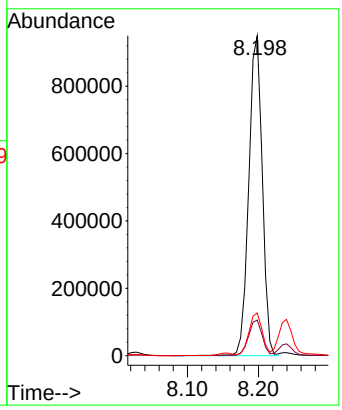


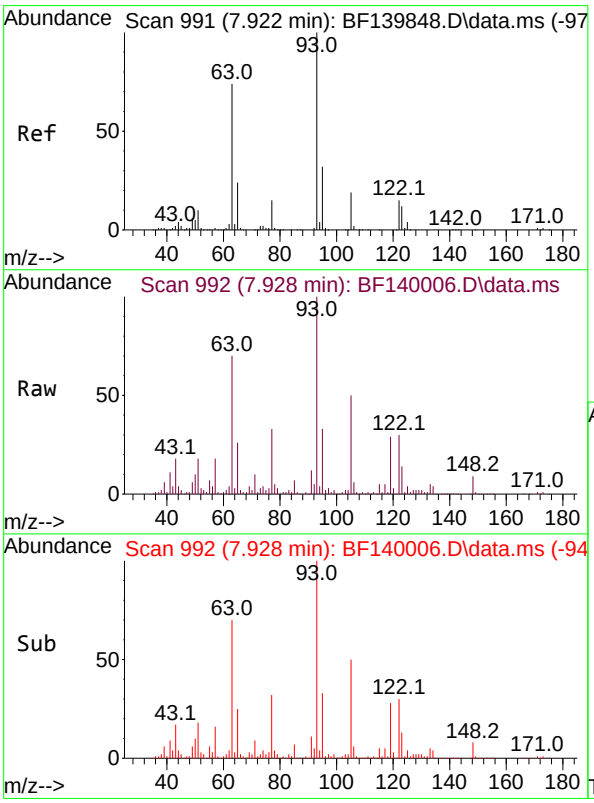
#31
Naphthalene
Concen: 50.012 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:128 Resp: 1251711

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	16.0

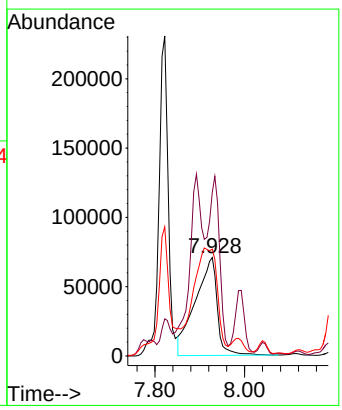


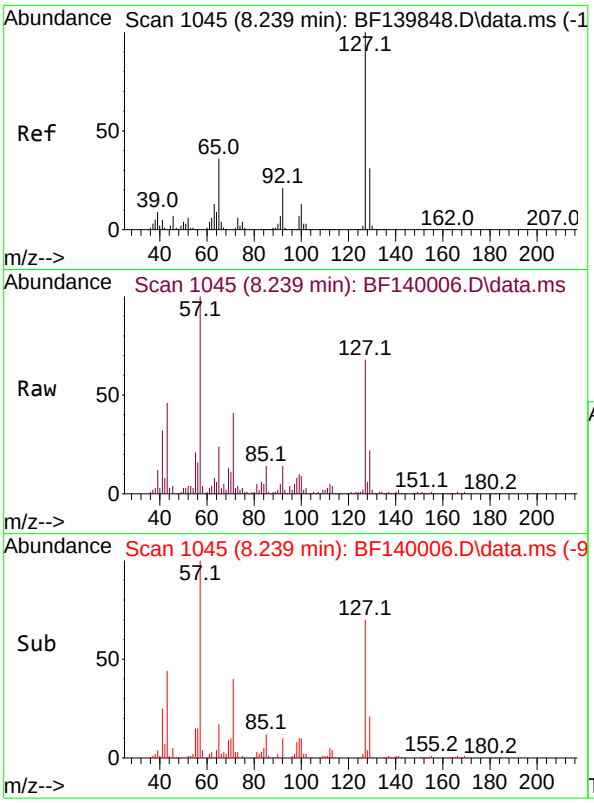


#32
Benzoic acid
Concen: 45.842 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:122 Resp: 241453

Ion	Ratio	Lower	Upper
122	100		
105	166.3	107.6	147.6#
77	108.6	80.2	120.2



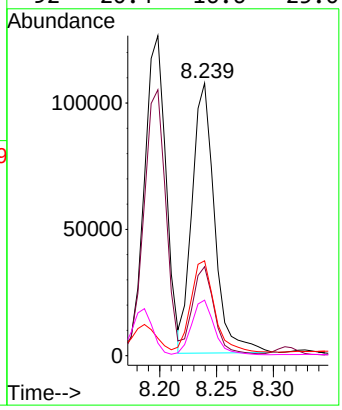


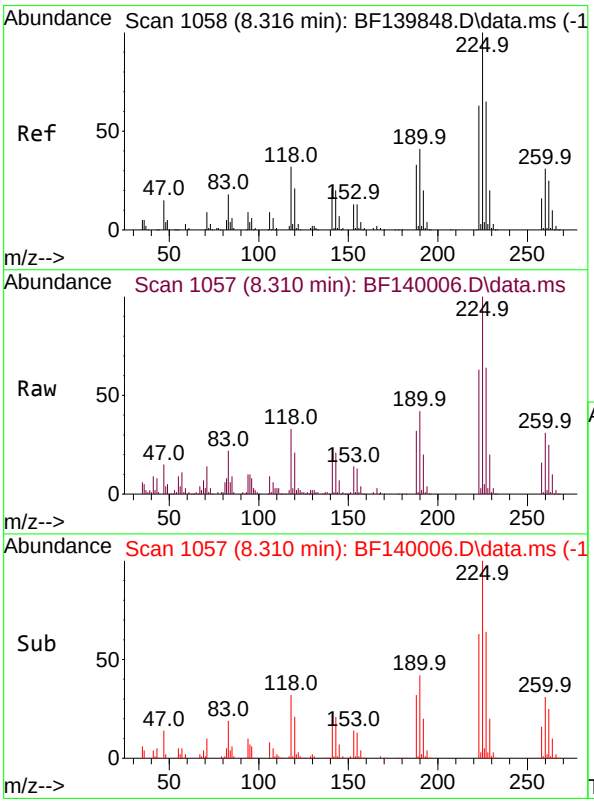
#33
4-Chloroaniline
Concen: 17.323 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:127 Resp: 147841

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	34.8	28.4	42.6
92	20.4	16.6	25.0

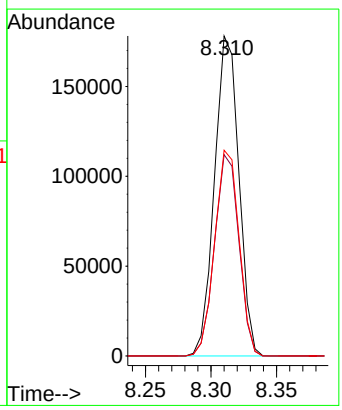


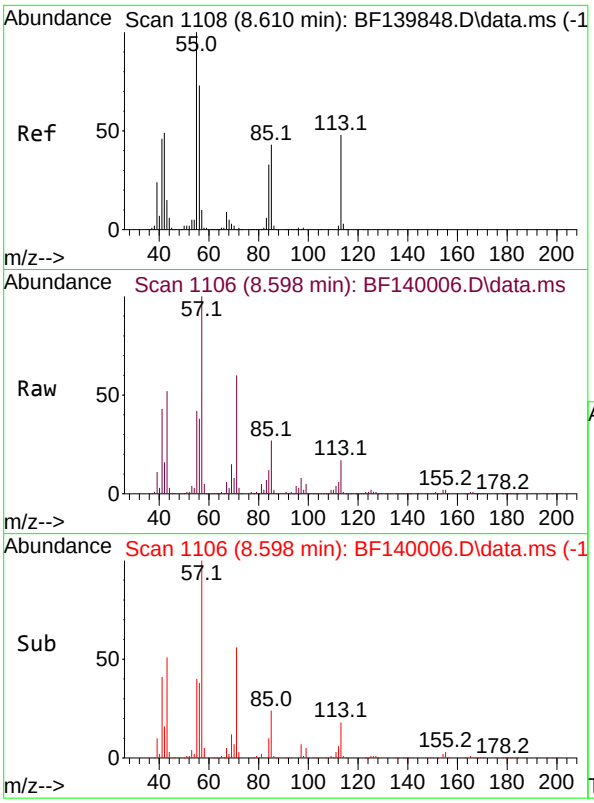


#34
Hexachlorobutadiene
Concen: 48.055 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:225 Resp: 229807

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	64.3	51.8	77.8



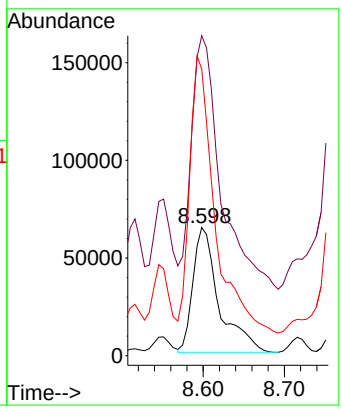


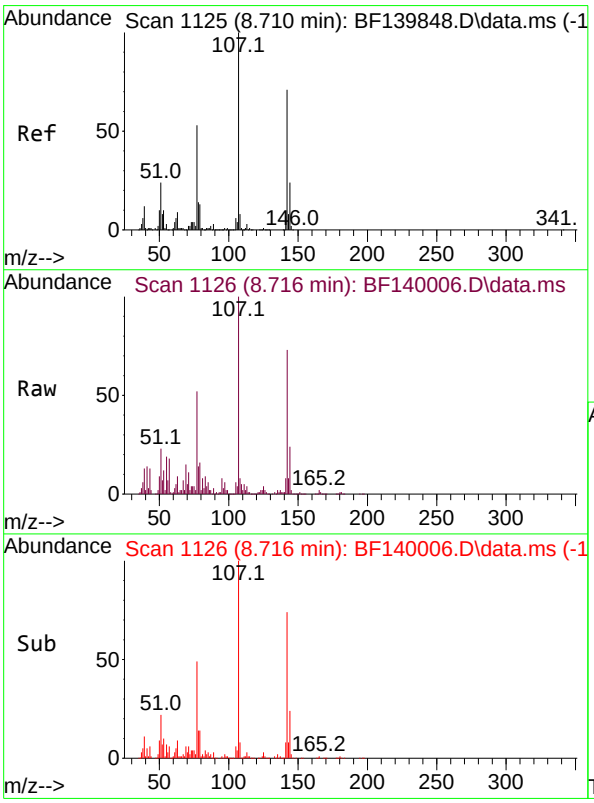
#35
Caprolactam
Concen: 65.407 ng
RT: 8.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:113 Resp: 143053

Ion	Ratio	Lower	Upper
113	100		
55	249.6	189.2	229.2#
56	223.5	132.5	172.5#

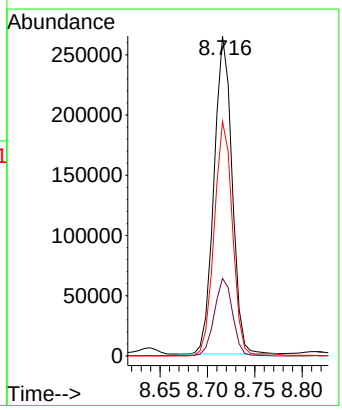


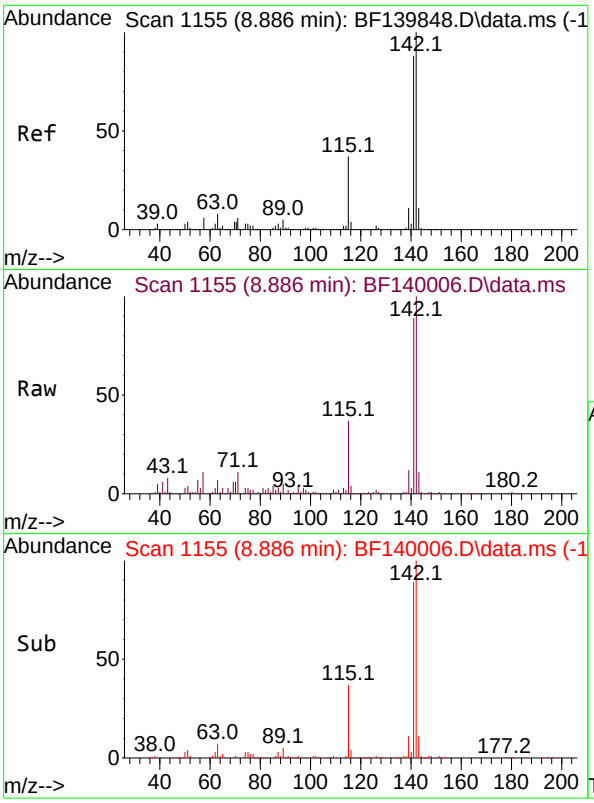


#36
4-Chloro-3-methylphenol
Concen: 46.089 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:107 Resp: 351036

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	73.3	57.2	85.8



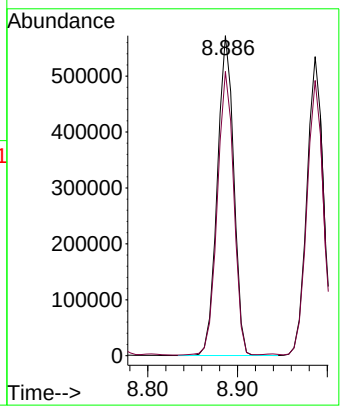


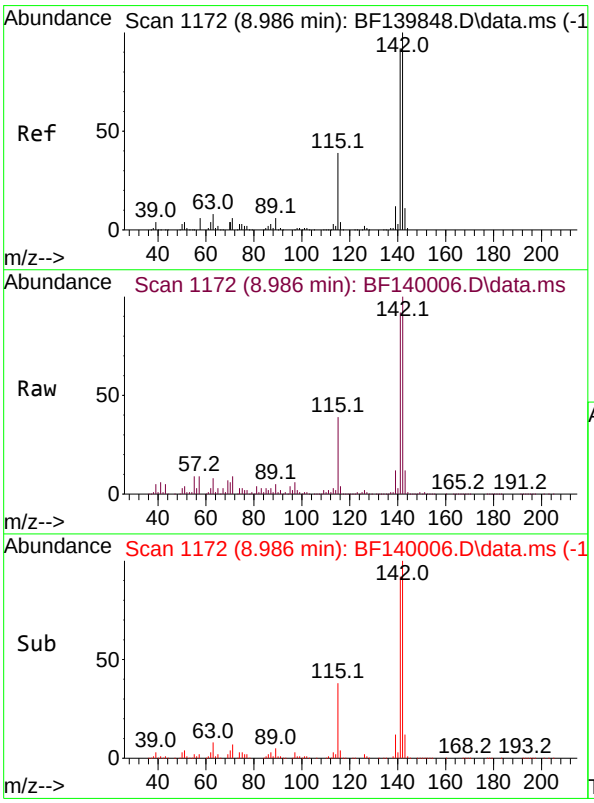
#37
2-Methylnaphthalene
Concen: 47.580 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:142 Resp: 729328

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2

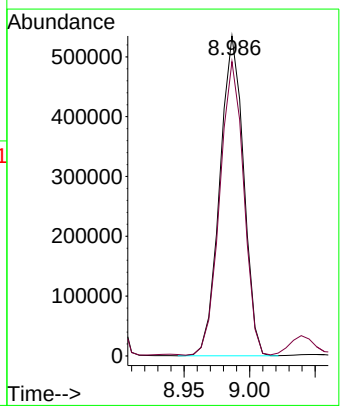


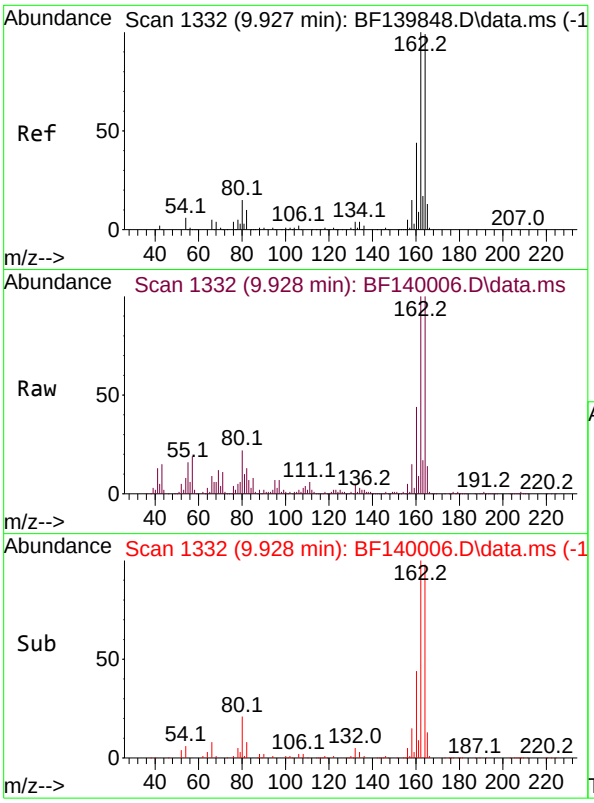


#38
1-Methylnaphthalene
Concen: 44.889 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:142 Resp: 675083

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3



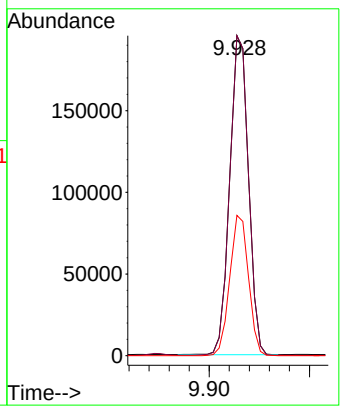


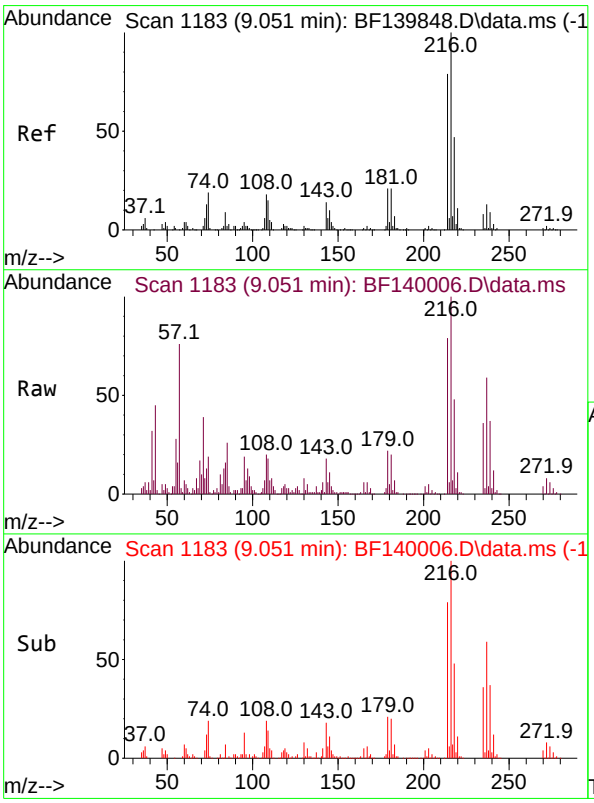
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:164 Resp: 253613

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.0	121.4
160	43.8	35.4	53.0

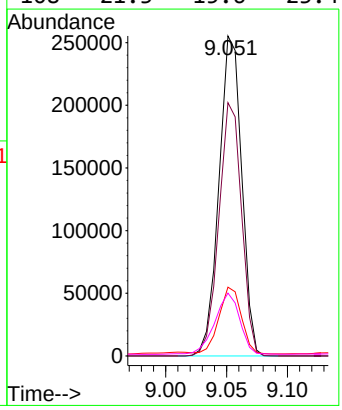


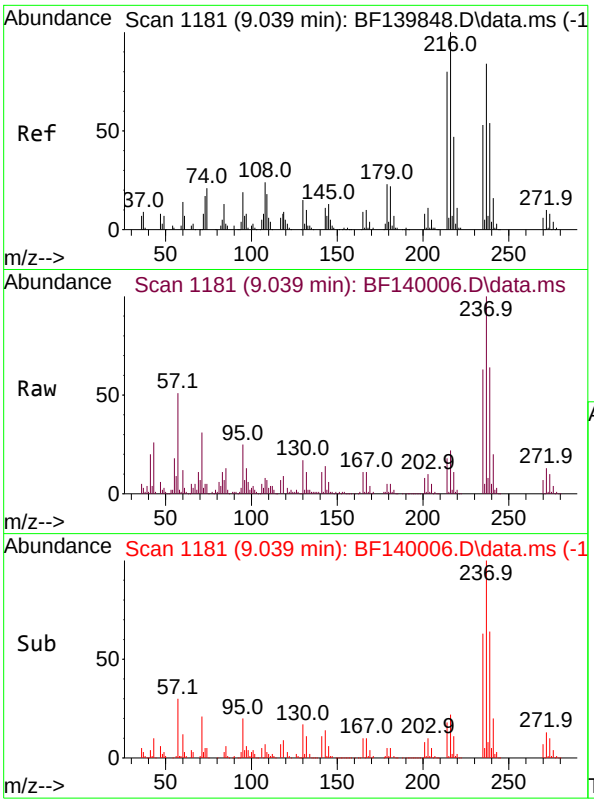


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.473 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:216 Resp: 331657

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.0
179	20.9	17.2	25.8
108	21.3	15.6	23.4



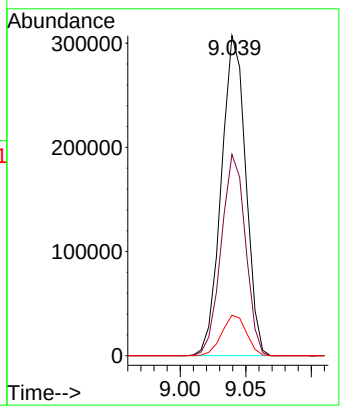


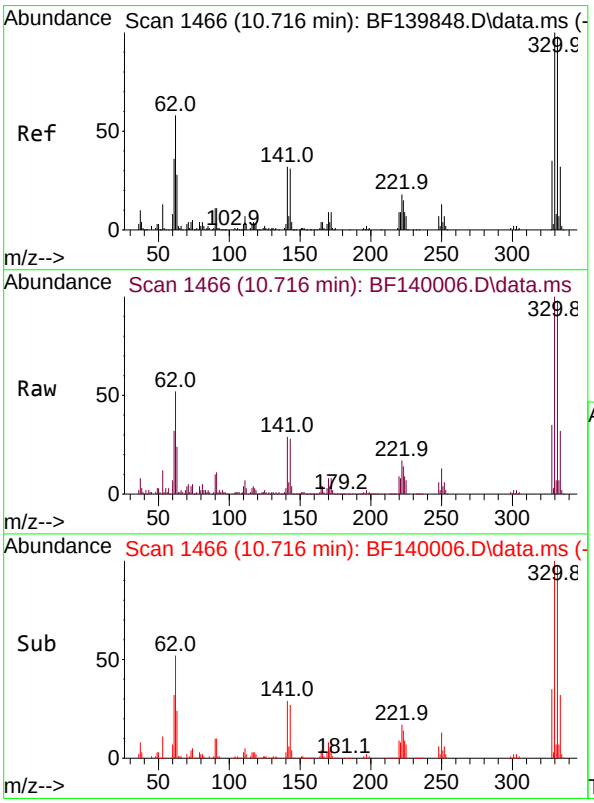
#41
Hexachlorocyclopentadiene
Concen: 166.903 ng
RT: 9.039 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:237 Resp: 397348

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.7	0.0	32.3

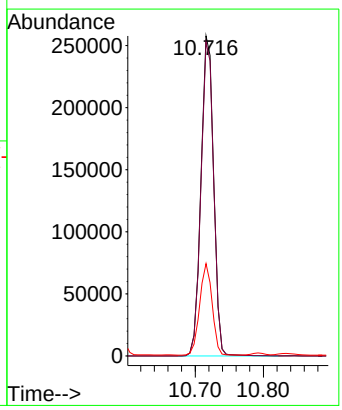


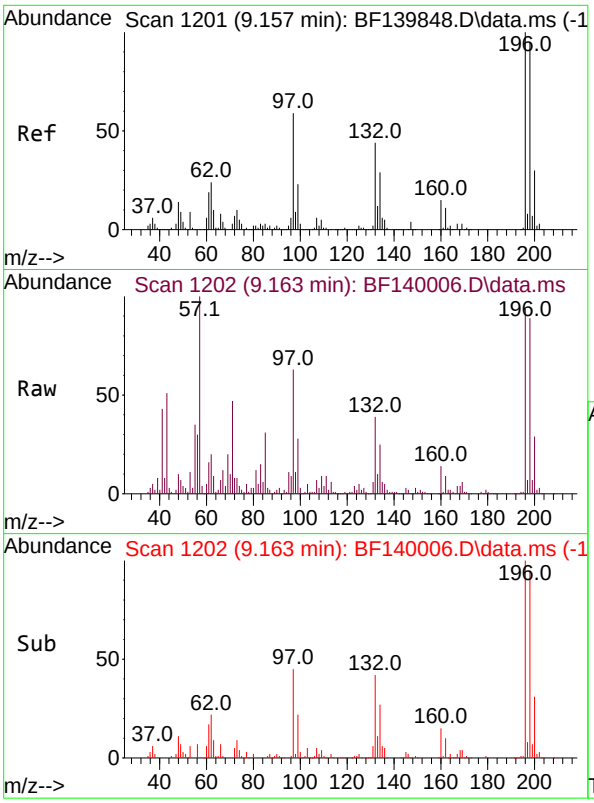


#42
2,4,6-Tribromophenol
Concen: 140.256 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:330 Resp: 332717

Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.1	117.1
141	28.1	26.6	39.8



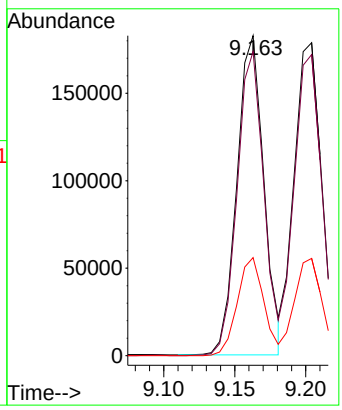


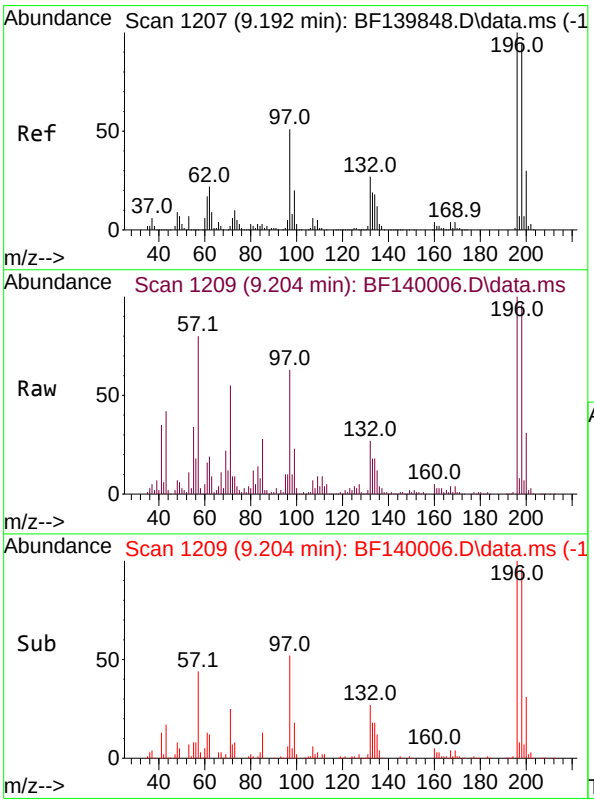
#43
2,4,6-Trichlorophenol
Concen: 49.474 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:196 Resp: 239656

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.2	114.2
200	30.6	24.0	36.0

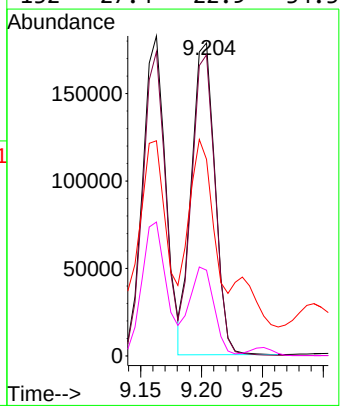


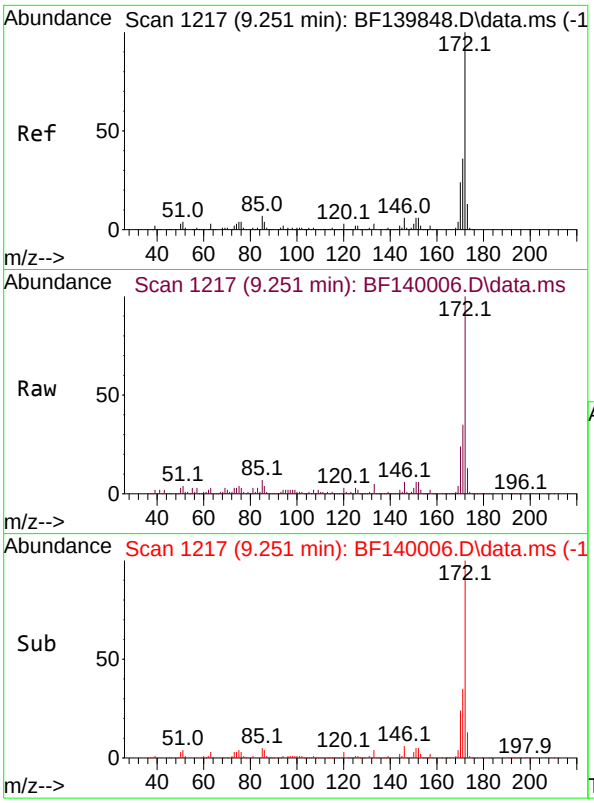


#44
2,4,5-Trichlorophenol
Concen: 47.722 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:196 Resp: 238505

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.8	113.6
97	62.8	41.8	62.6#
132	27.4	22.9	34.3



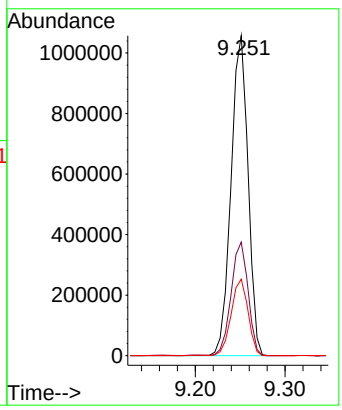


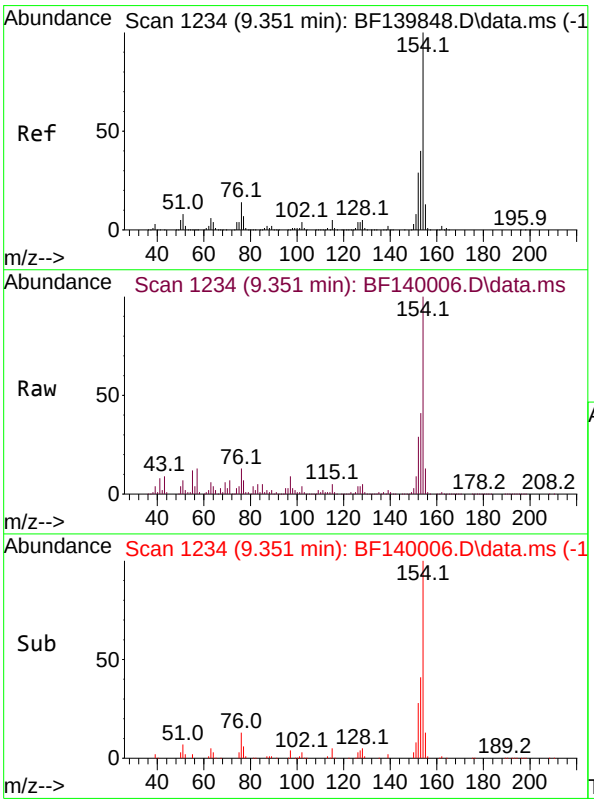
#45
2-Fluorobiphenyl
Concen: 90.559 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:172 Resp: 1389664

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.9	19.1	28.7

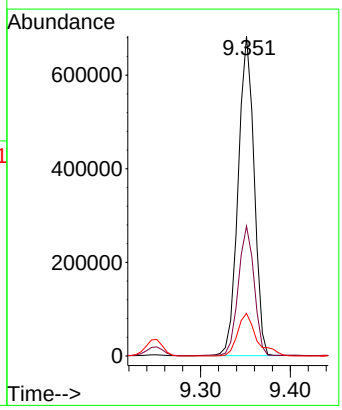


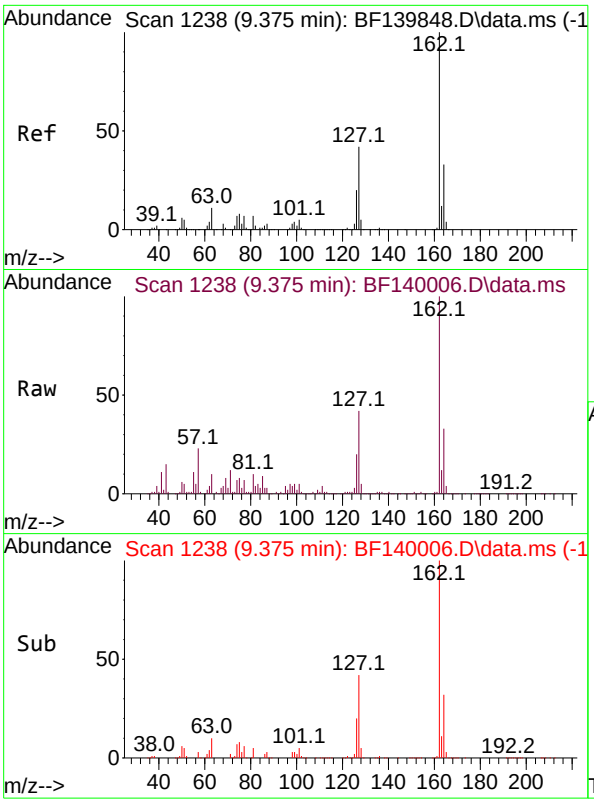


#46
1,1'-Biphenyl
Concen: 47.619 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:154 Resp: 840716

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.3	0.0	33.9



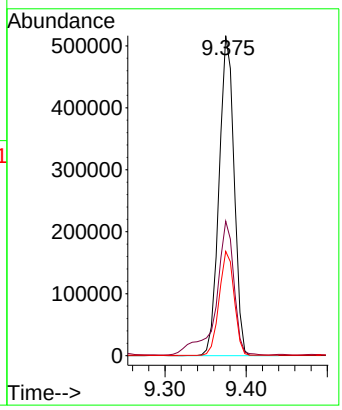


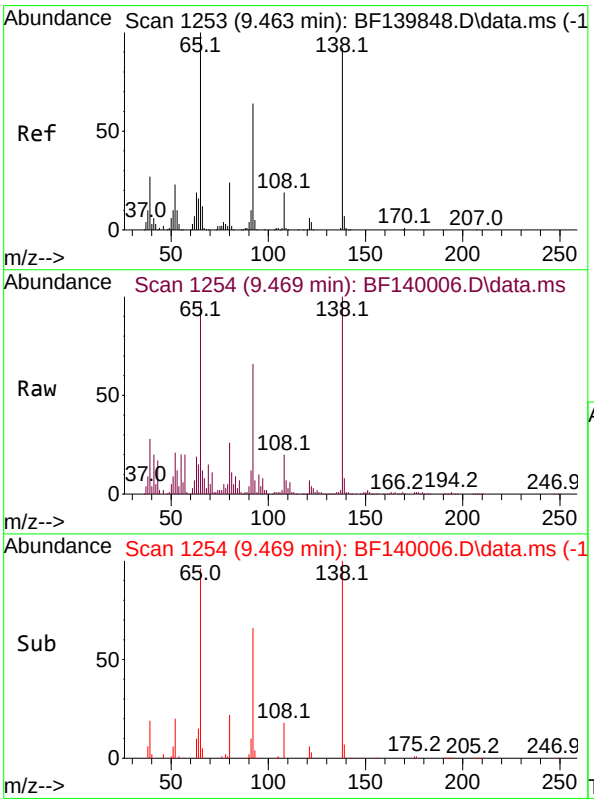
#47
2-Chloronaphthalene
Concen: 46.748 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:162 Resp: 664744

Ion	Ratio	Lower	Upper
162	100		
127	42.1	33.8	50.6
164	32.6	26.6	39.8

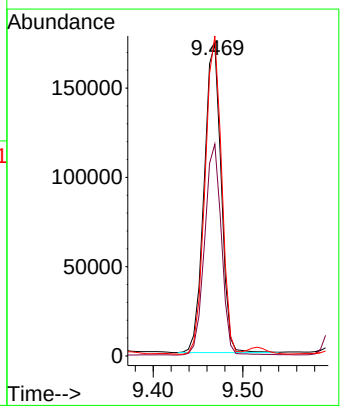


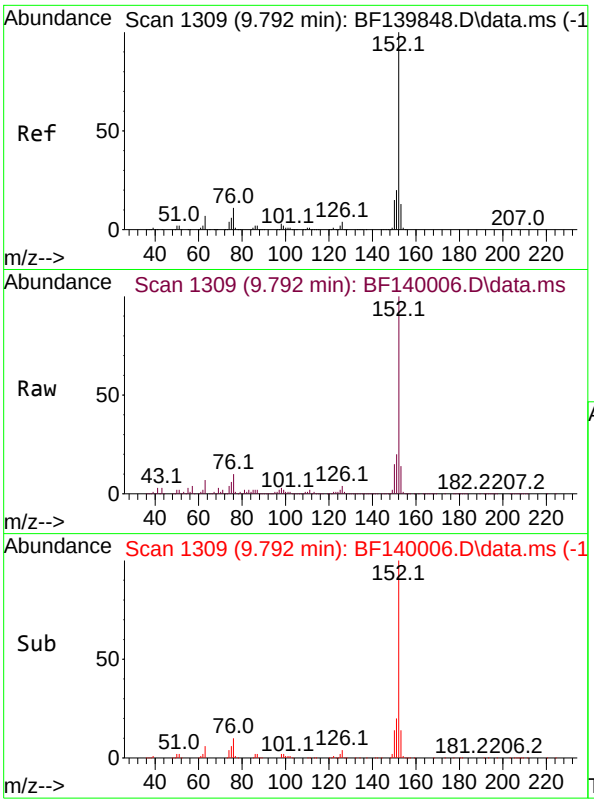


#48
2-Nitroaniline
Concen: 52.322 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion: 65 Resp: 227547

Ion	Ratio	Lower	Upper
65	100		
92	68.0	50.9	76.3
138	102.6	73.4	110.0



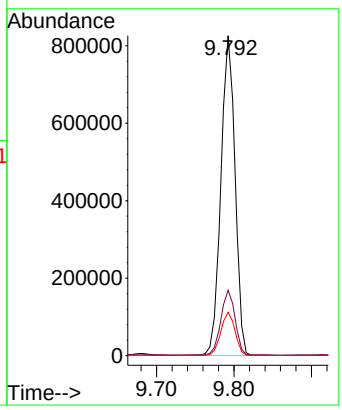


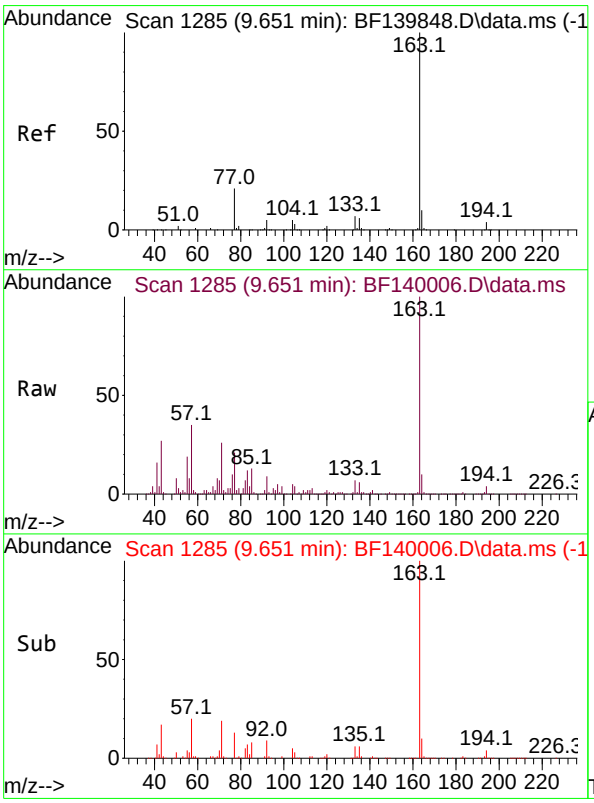
#49
Acenaphthylene
Concen: 50.957 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:152 Resp: 1047540

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.6	10.7	16.1

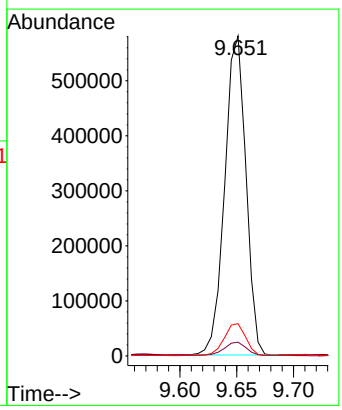


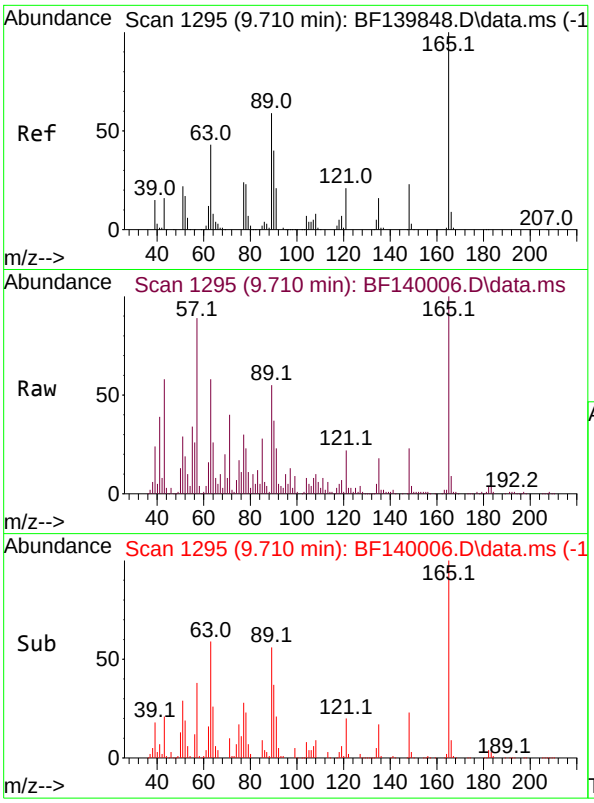


#50
Dimethylphthalate
Concen: 47.595 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:163 Resp: 751861

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.1	8.2	12.2



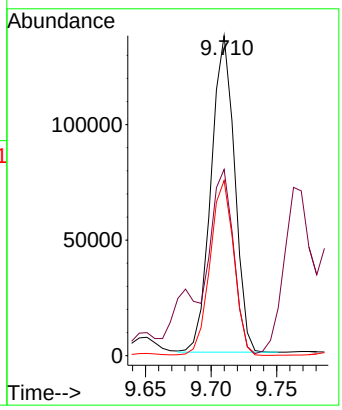


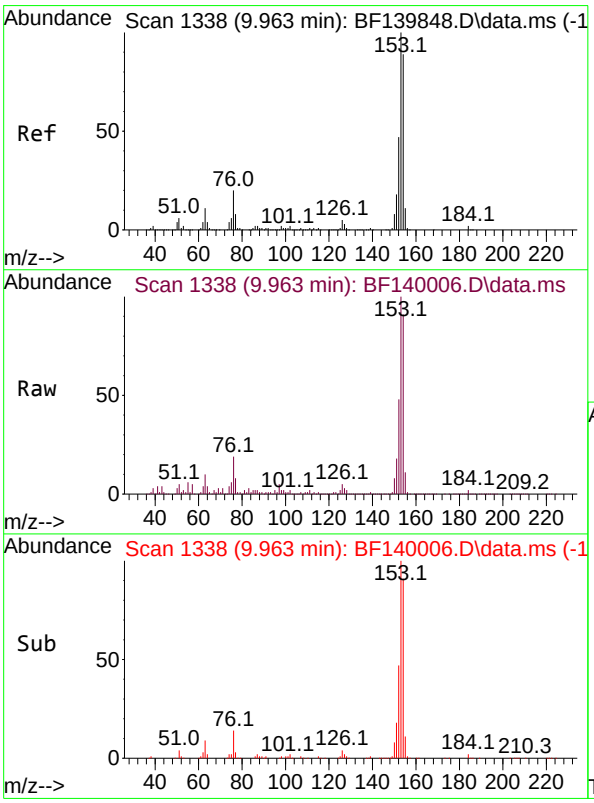
#51
2,6-Dinitrotoluene
Concen: 49.966 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:165 Resp: 170904

Ion	Ratio	Lower	Upper
165	100		
63	58.2	50.6	75.8
89	54.8	47.5	71.3

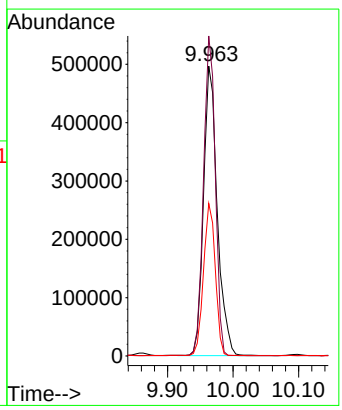


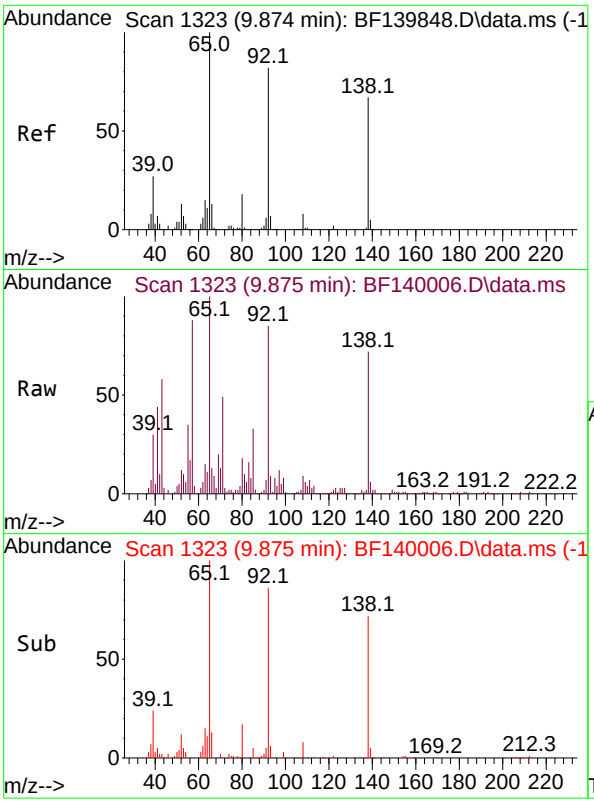


#52
Acenaphthene
Concen: 54.527 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:154 Resp: 725130

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.8	134.6
152	52.6	42.4	63.6



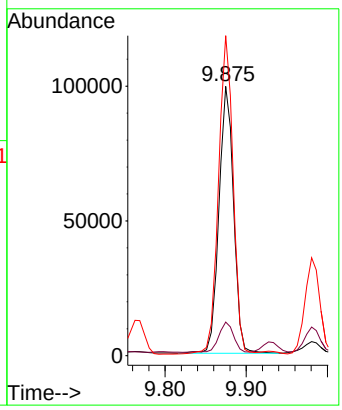


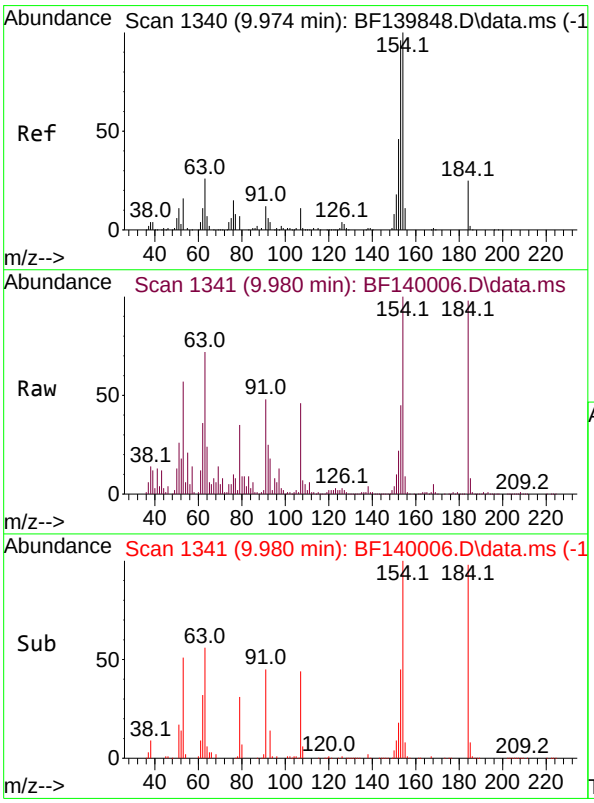
#53
3-Nitroaniline
Concen: 35.311 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:138 Resp: 124549

Ion	Ratio	Lower	Upper
138	100		
108	12.5	10.2	15.2
92	118.8	98.3	147.5

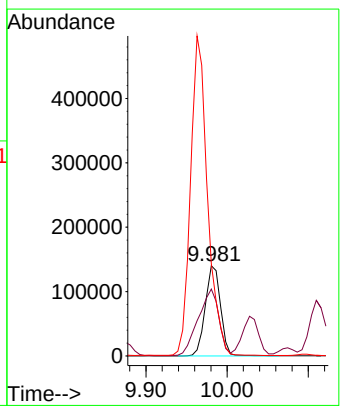


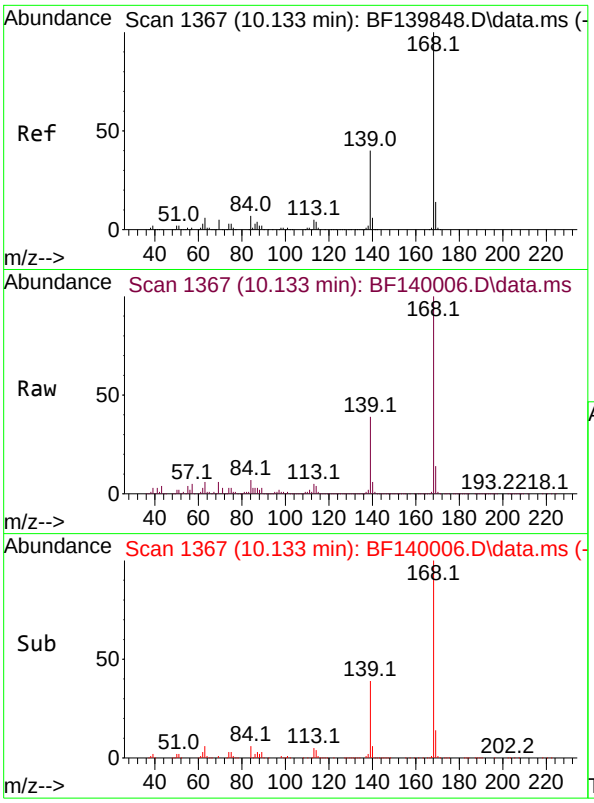


#54
2,4-Dinitrophenol
Concen: 124.756 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:184 Resp: 182941

Ion	Ratio	Lower	Upper
184	100		
63	74.0	84.7	127.1#
154	102.2	338.2	507.2#



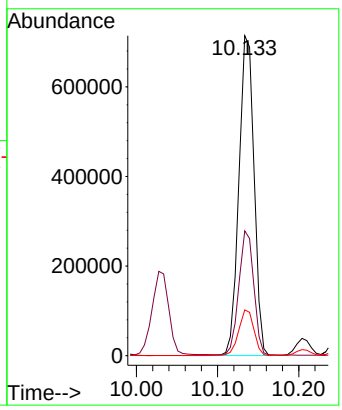


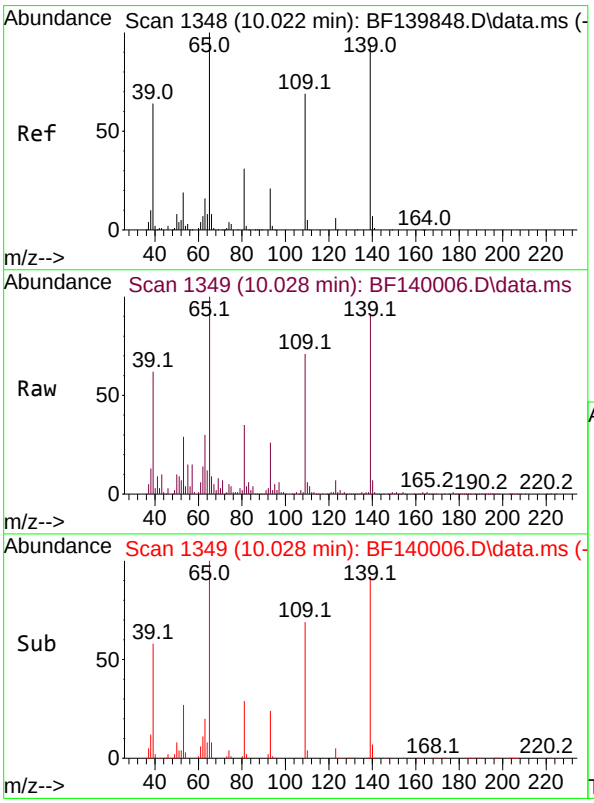
#55
Dibenzofuran
Concen: 48.456 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:168 Resp: 924548

Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.8	47.6
169	14.3	11.6	17.4

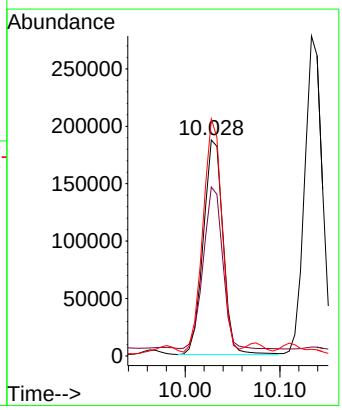


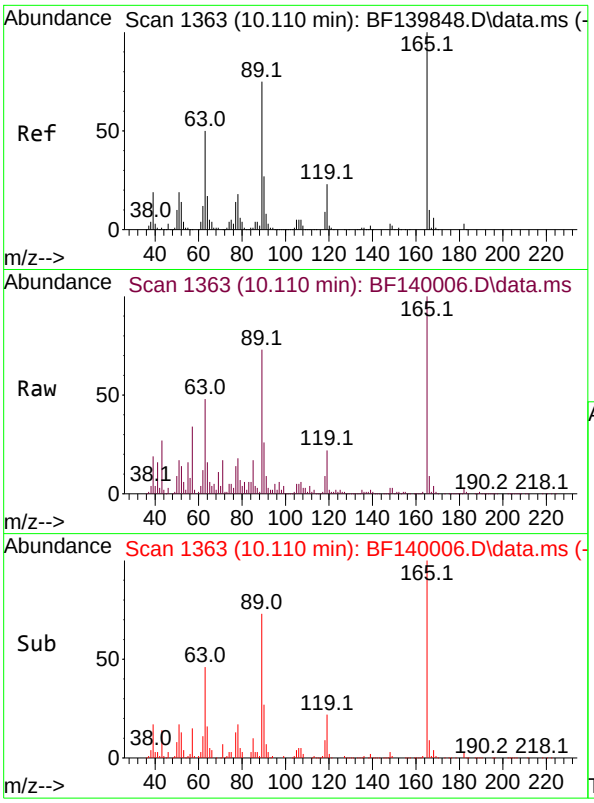


#56
4-Nitrophenol
Concen: 99.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:139 Resp: 269339

Ion	Ratio	Lower	Upper
139	100		
109	78.2	53.6	93.6
65	109.7	87.8	127.8



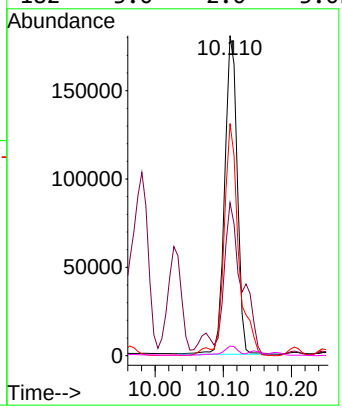


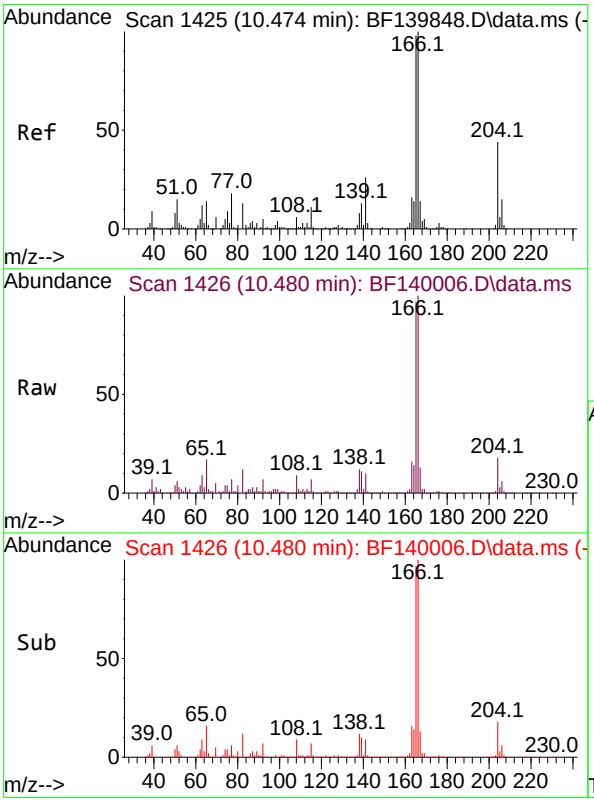
#57
2,4-Dinitrotoluene
Concen: 55.029 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:165 Resp: 231462

Ion	Ratio	Lower	Upper
165	100		
63	47.8	40.1	60.1
89	72.5	60.4	90.6
182	3.0	2.0	3.0#

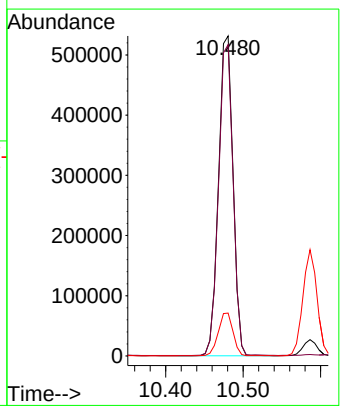


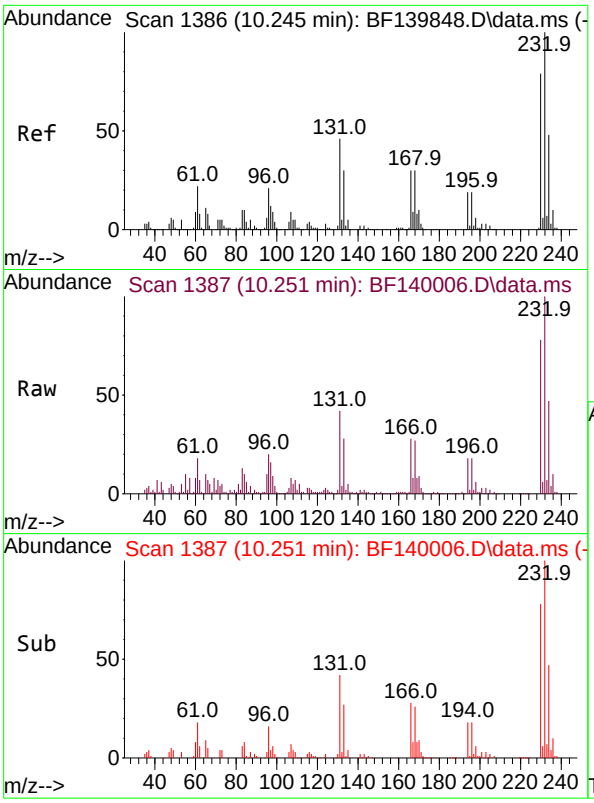


#58
Fluorene
Concen: 47.620 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:166 Resp: 692046

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.5	117.7
167	13.4	10.9	16.3



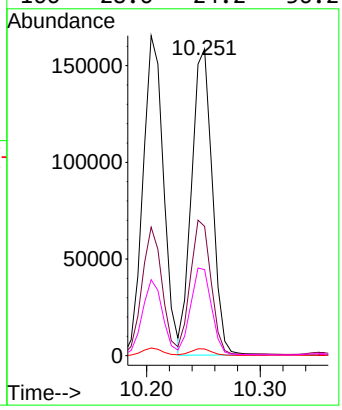


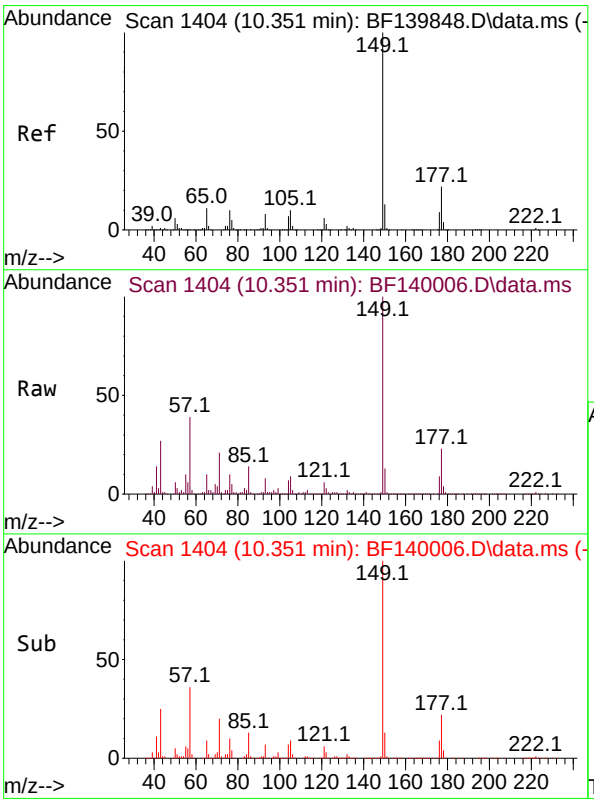
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.240 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:232 Resp: 200756

Ion	Ratio	Lower	Upper
232	100		
131	43.2	37.0	55.6
130	2.2	1.9	2.9
166	28.6	24.2	36.2

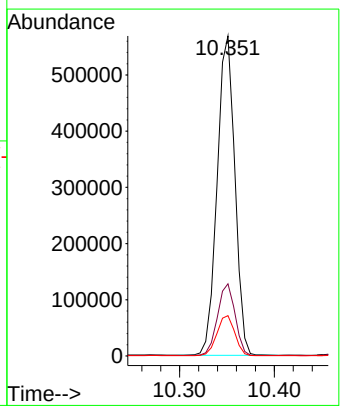


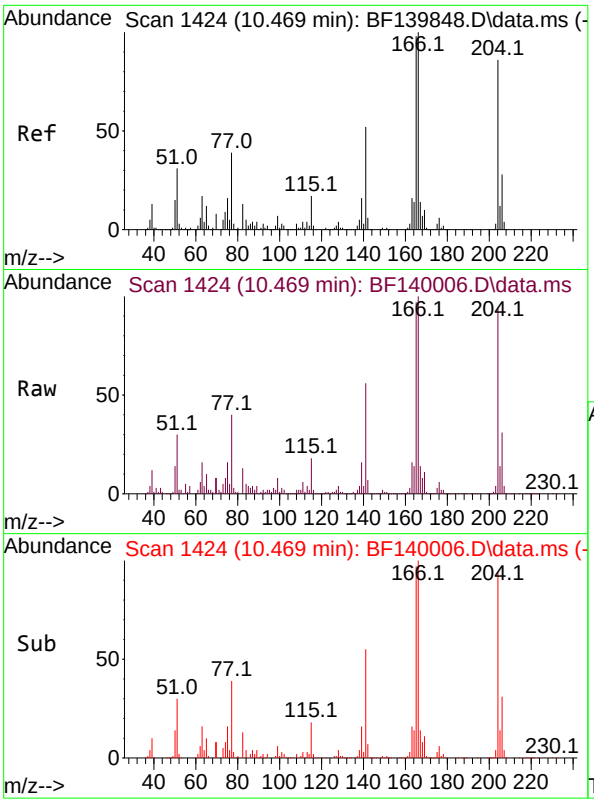


#60
Diethylphthalate
Concen: 47.705 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:149 Resp: 739923

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.6	10.1	15.1



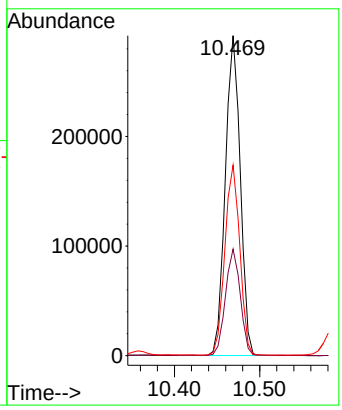


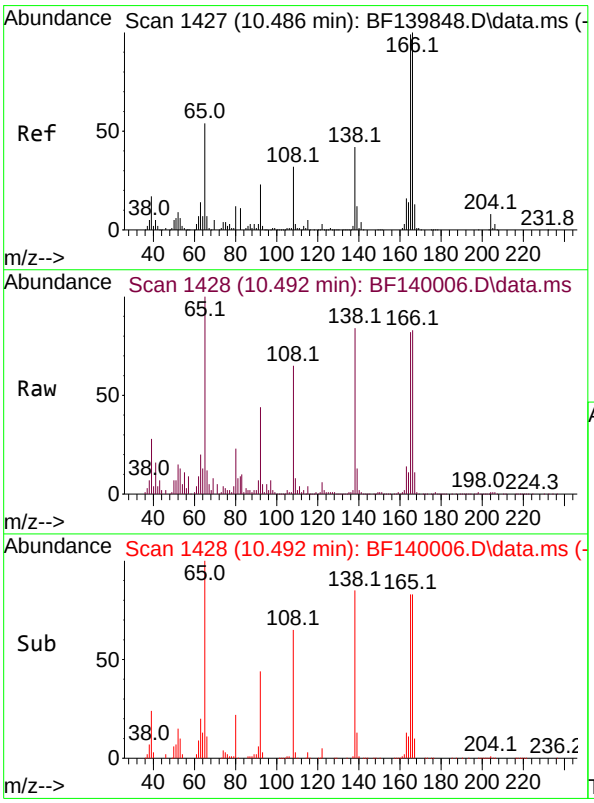
#61
4-Chlorophenyl-phenylether
Concen: 48.304 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:204 Resp: 354505

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.3	39.5
141	59.6	48.6	73.0

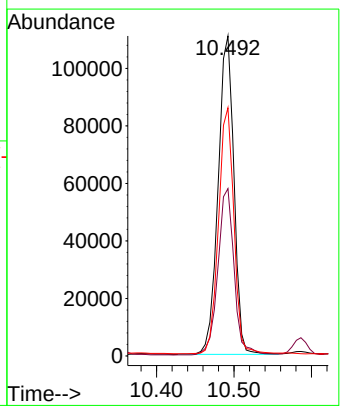


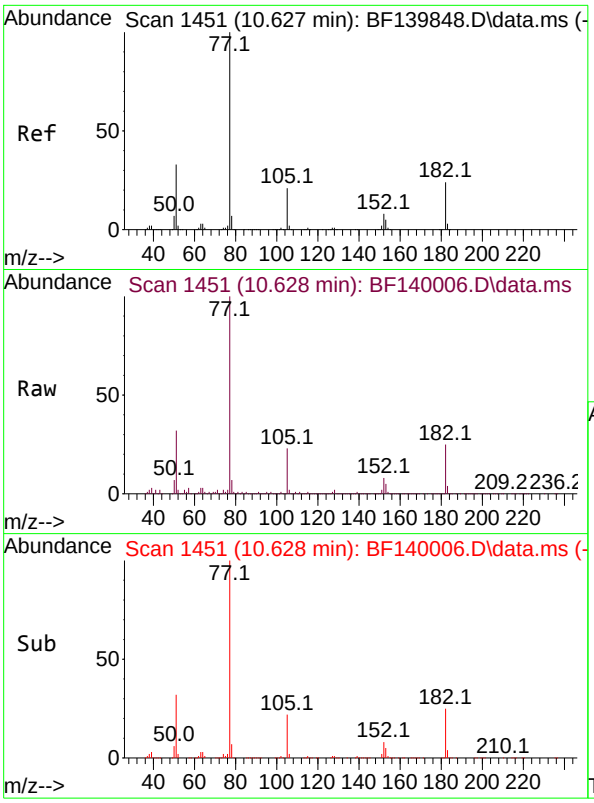


#62
4-Nitroaniline
Concen: 47.241 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:138 Resp: 157376

Ion	Ratio	Lower	Upper
138	100		
92	52.3	35.7	75.7
108	77.5	57.5	97.5



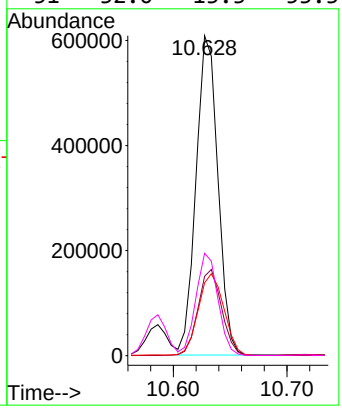


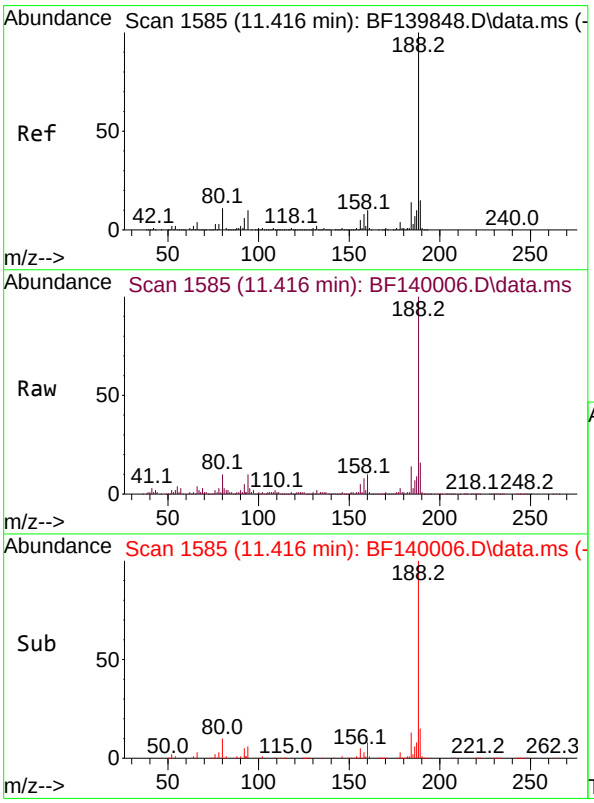
#63
Azobenzene
Concen: 49.452 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion: 77 Resp: 813162

Ion	Ratio	Lower	Upper
77	100		
182	24.8	3.3	43.3
105	22.7	1.2	41.2
51	32.0	13.3	53.3

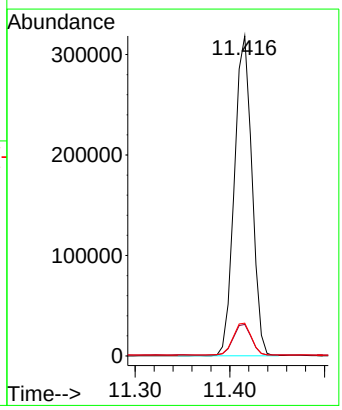


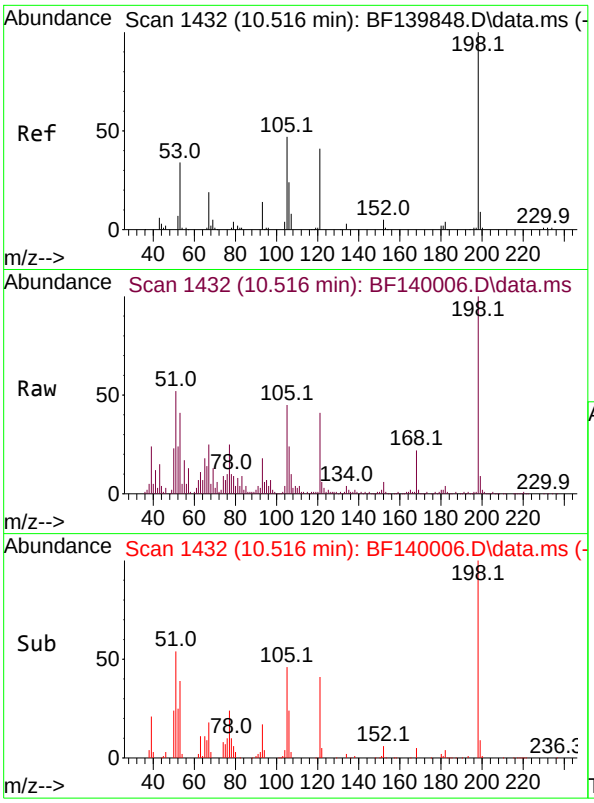


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:188 Resp: 408327

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.3	9.0	13.4



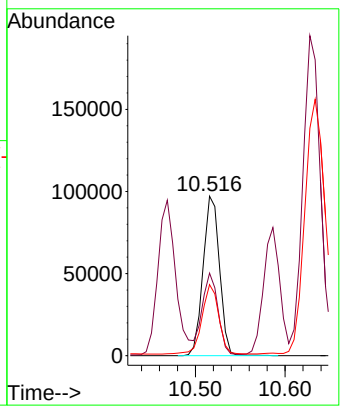


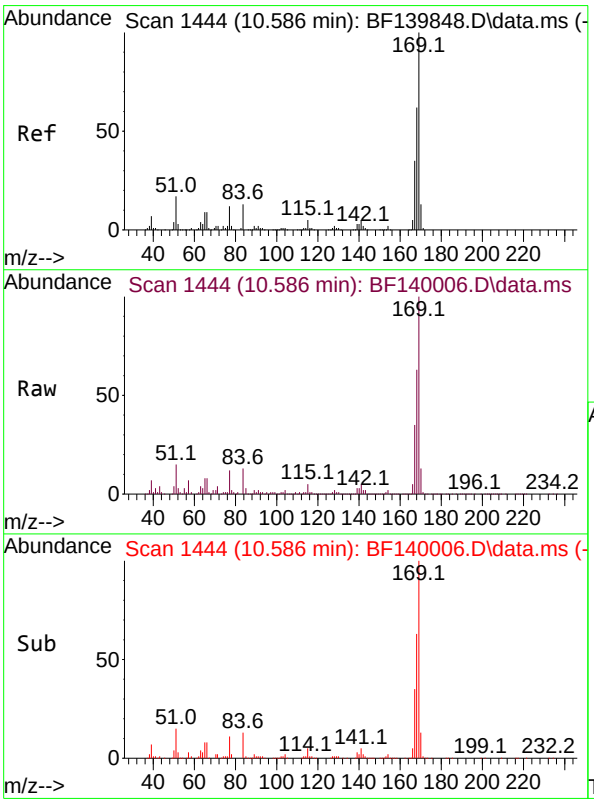
#65
4,6-Dinitro-2-methylphenol
Concen: 74.208 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:198 Resp: 123597

Ion	Ratio	Lower	Upper
198	100		
51	51.8	38.2	78.2
105	44.5	27.9	67.9

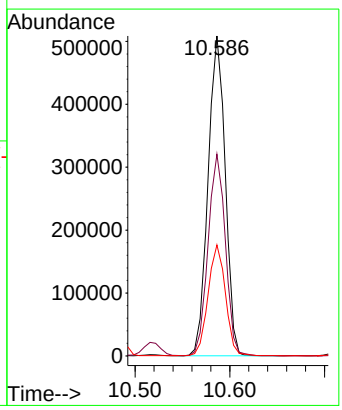


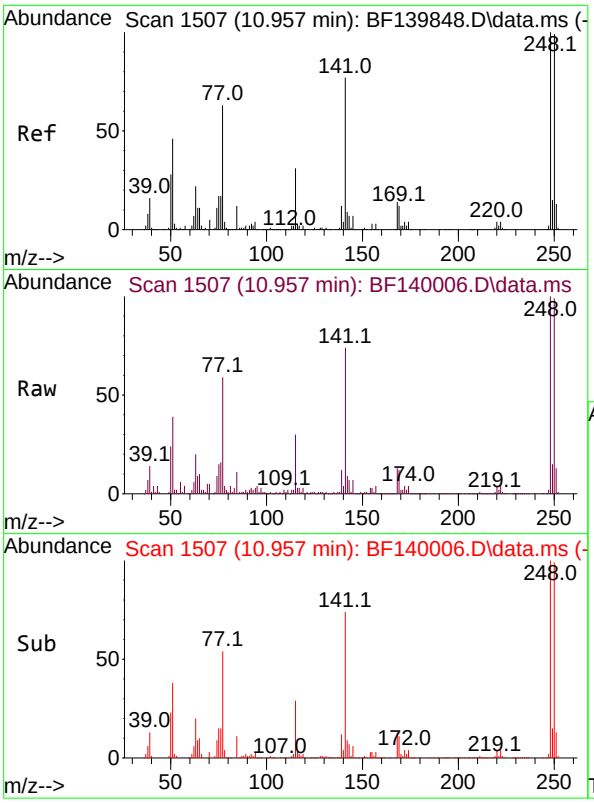


#66
n-Nitrosodiphenylamine
Concen: 52.363 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:169 Resp: 639939

Ion	Ratio	Lower	Upper
169	100		
168	63.1	49.8	74.6
167	34.7	28.0	42.0



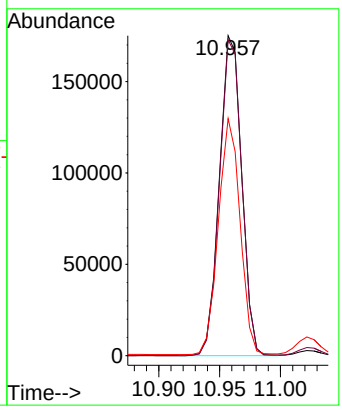


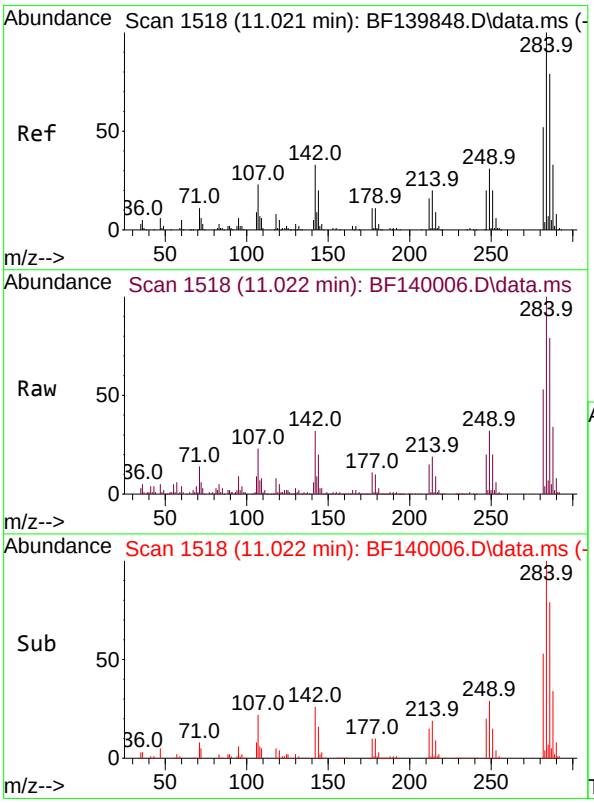
#67
4-Bromophenyl-phenylether
Concen: 53.017 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:248 Resp: 223018

Ion	Ratio	Lower	Upper
248	100		
250	98.8	79.0	118.6
141	74.1	61.7	92.5

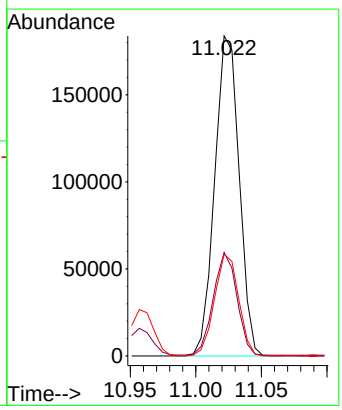


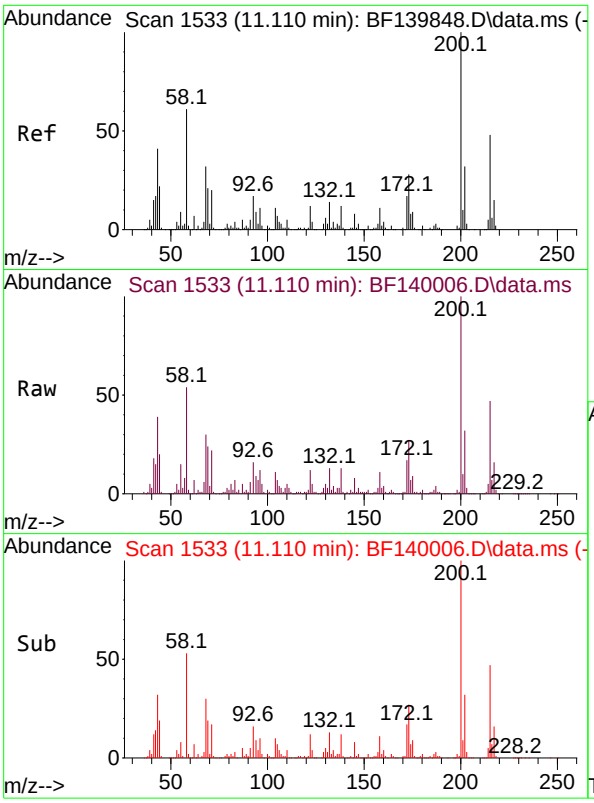


#68
Hexachlorobenzene
Concen: 50.253 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:284 Resp: 237746

Ion	Ratio	Lower	Upper
284	100		
142	32.3	26.9	40.3
249	31.8	25.3	37.9



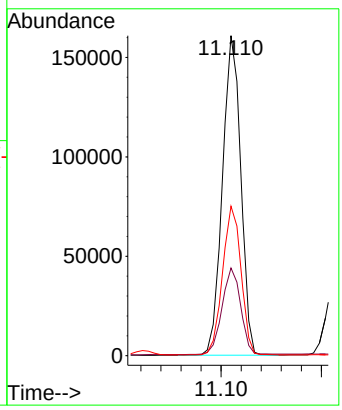


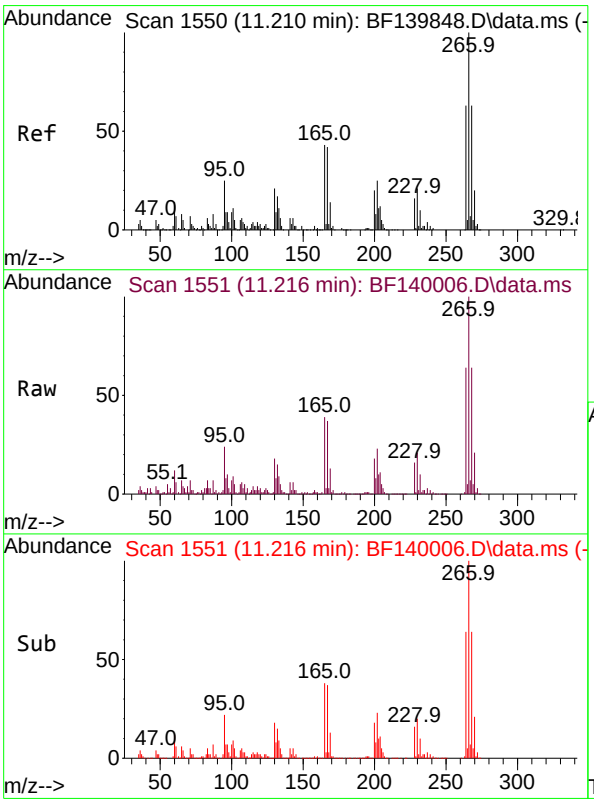
#69
Atrazine
Concen: 61.494 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:200 Resp: 203576

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.7	47.7
215	46.7	27.7	67.7

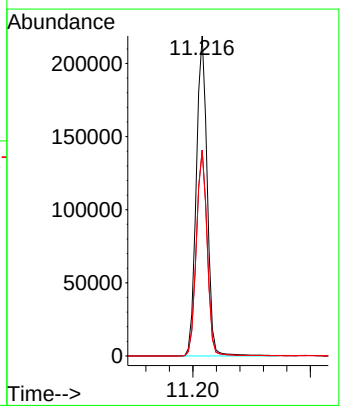


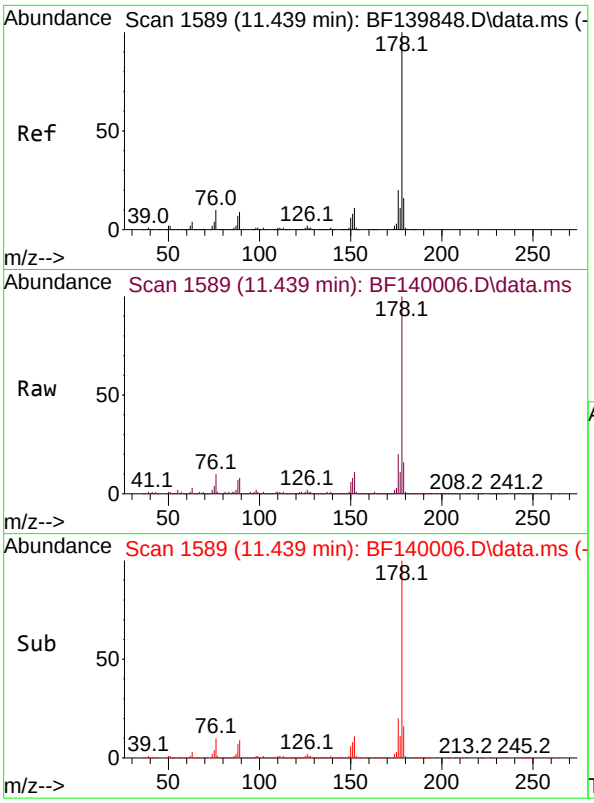


#70
Pentachlorophenol
Concen: 98.064 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:266 Resp: 281566

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.4	75.6
264	64.2	50.6	75.8



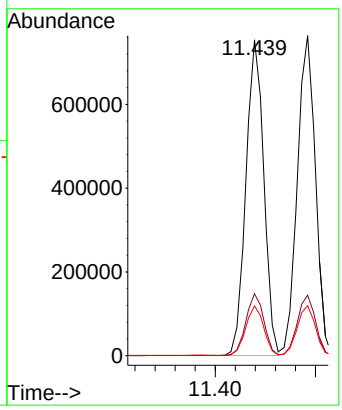


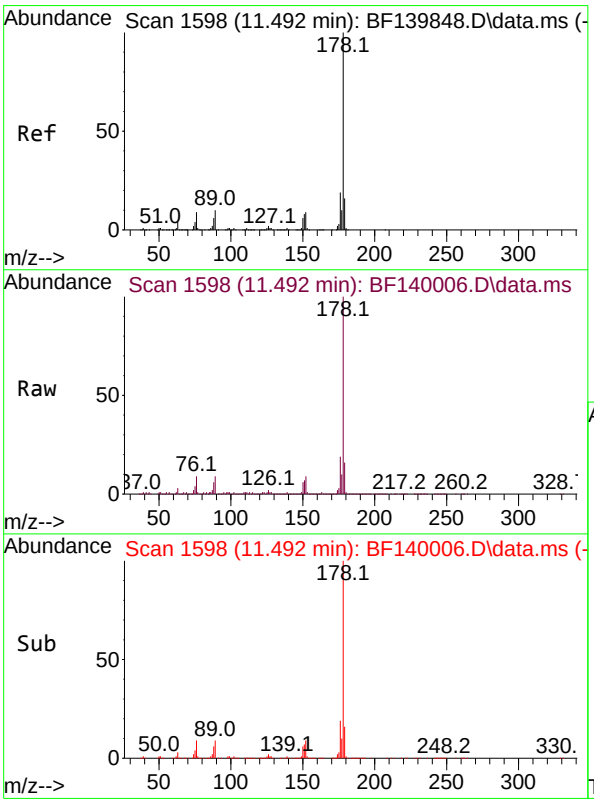
#71
Phenanthrene
Concen: 48.406 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:178 Resp: 933629

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	18.8

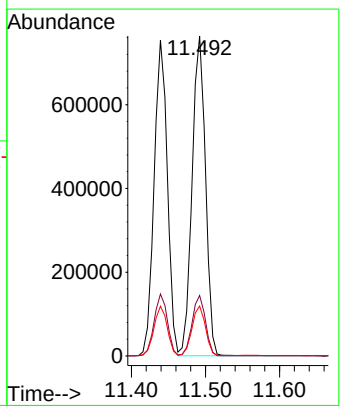


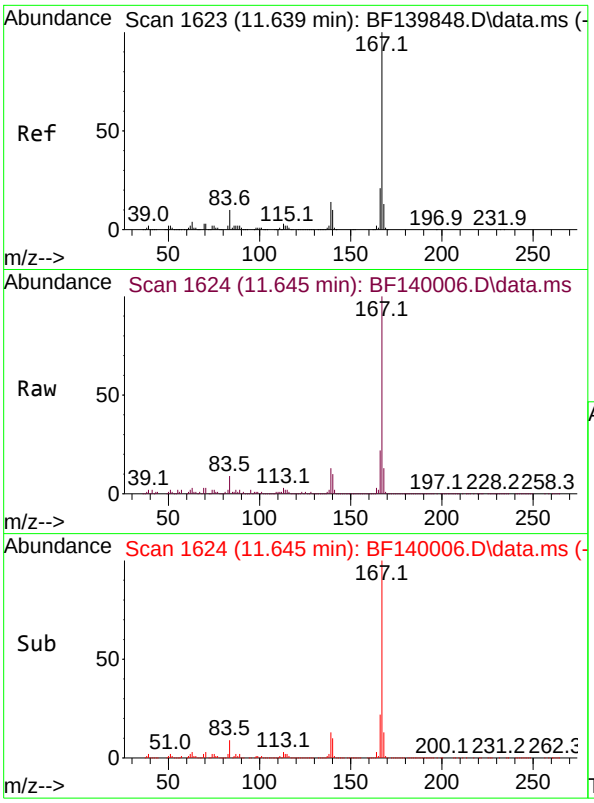


#72
Anthracene
Concen: 50.798 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:178 Resp: 955951

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.4	18.6



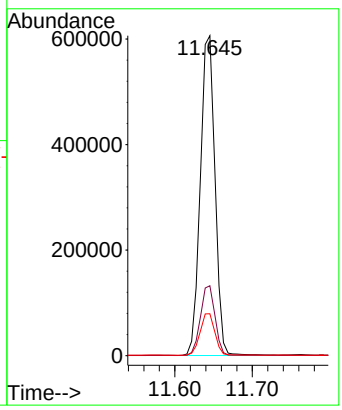


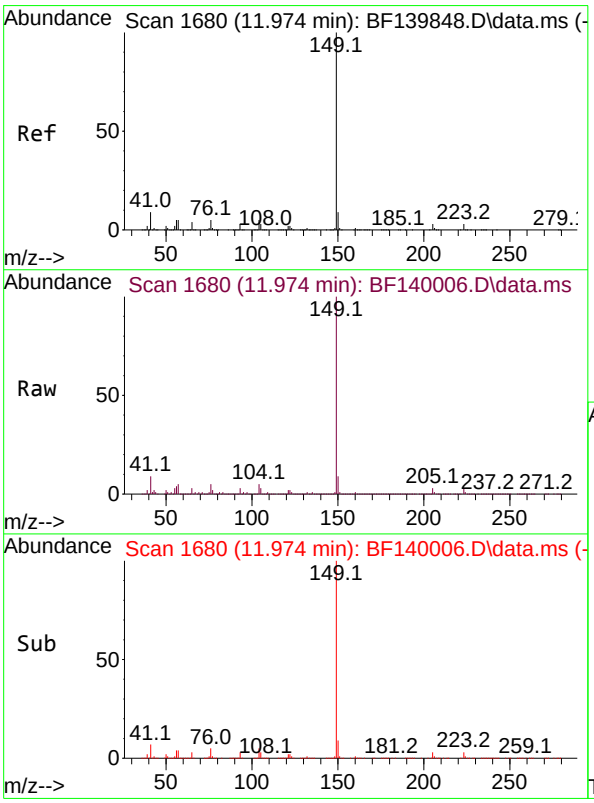
#73
Carbazole
Concen: 45.577 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:167 Resp: 797681

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.1	10.8	16.2

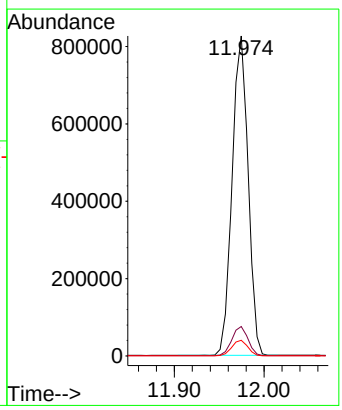


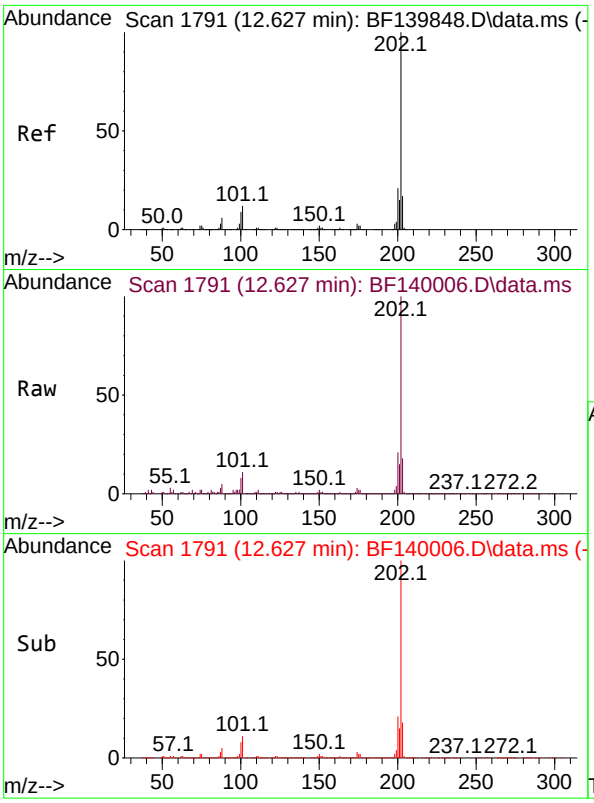


#74
Di-n-butylphthalate
Concen: 50.554 ng
RT: 11.974 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:149 Resp: 1022219

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1



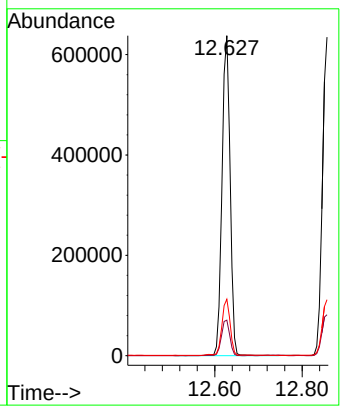


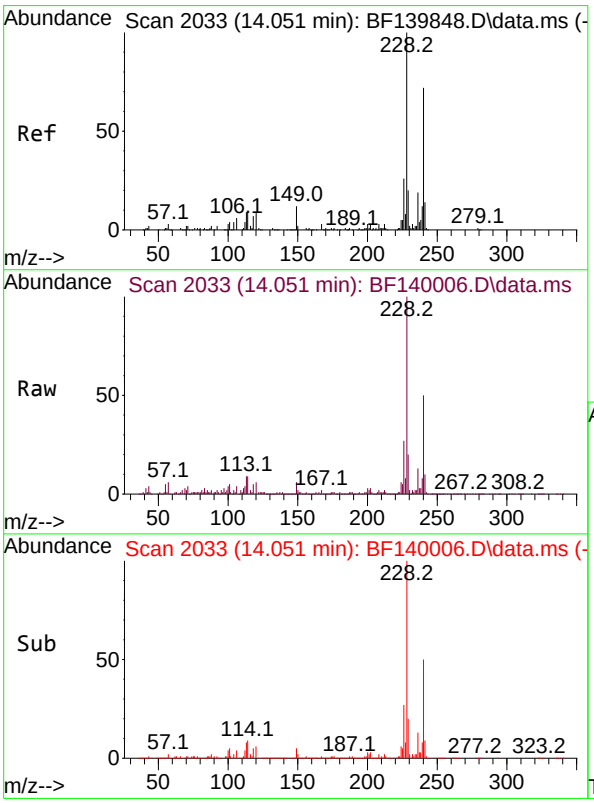
#75
Fluoranthene
Concen: 41.503 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:202 Resp: 809238

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.9
203	17.7	0.0	37.5

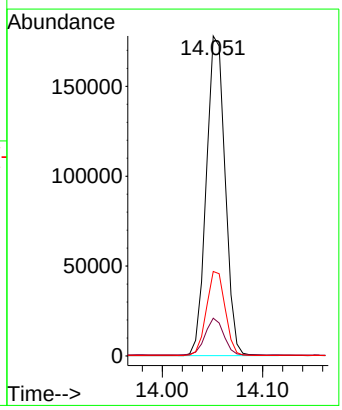


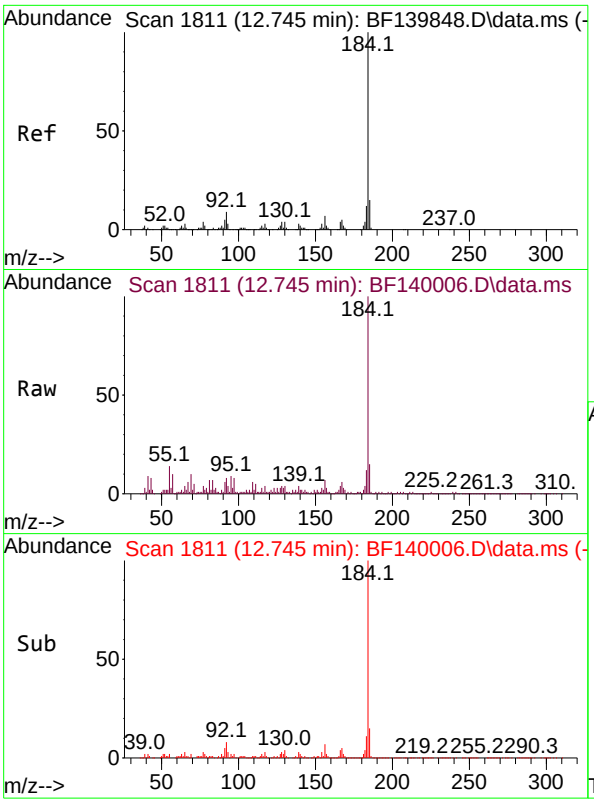


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:240 Resp: 231840

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	26.4	20.9	31.3



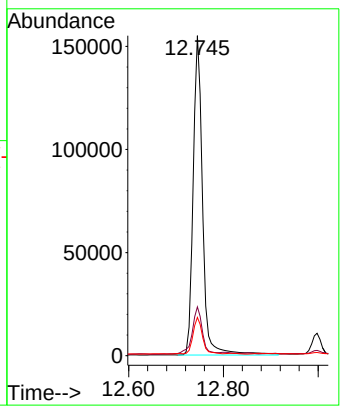


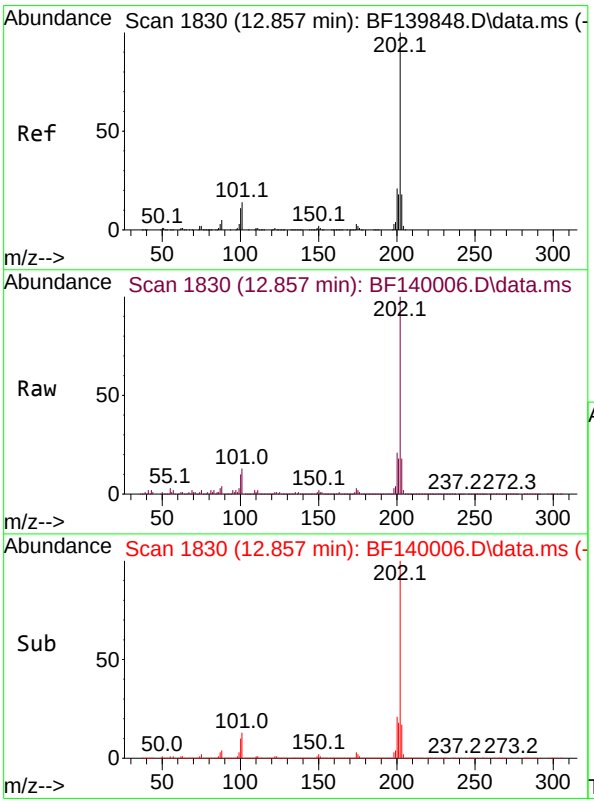
#77
Benzidine
Concen: 56.244 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:184 Resp: 214417

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.0	18.0
183	12.0	9.4	14.2

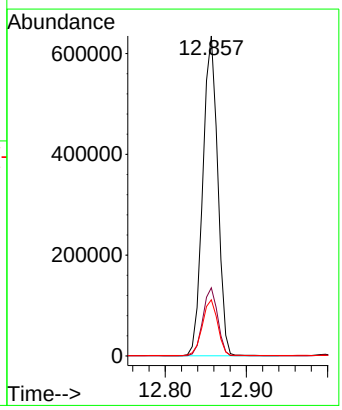


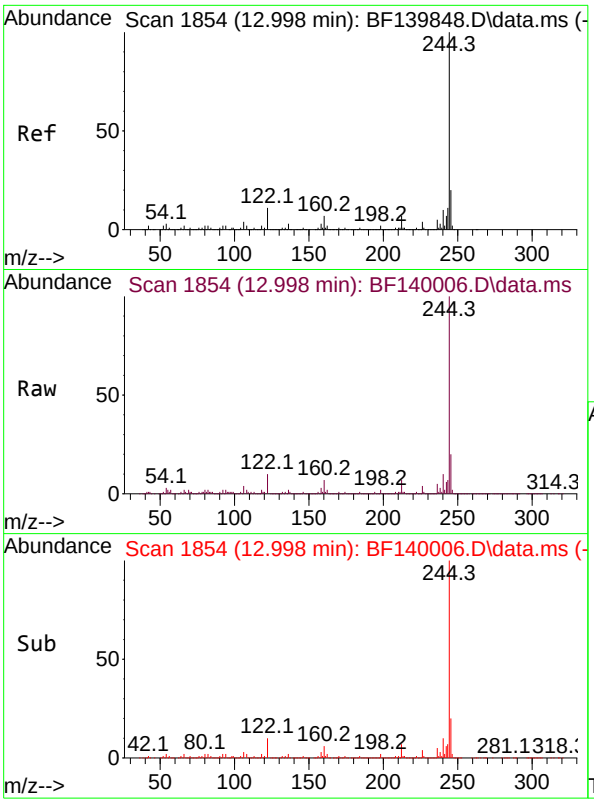


#78
Pyrene
Concen: 39.747 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:202 Resp: 806610

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.6	14.2	21.4



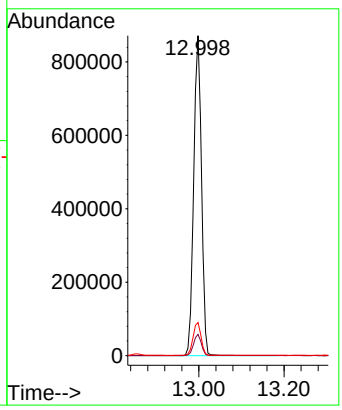


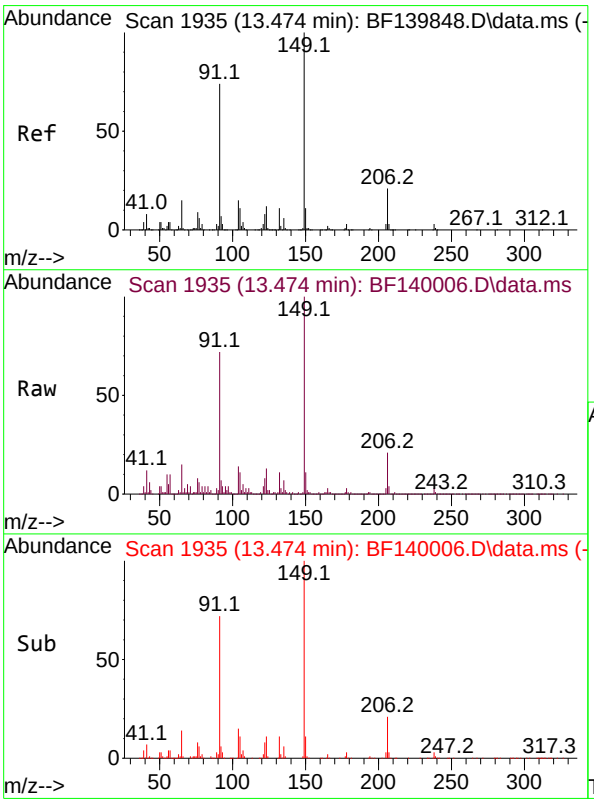
#79
Terphenyl-d14
Concen: 77.742 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:244 Resp: 1106097

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.3	8.6	13.0

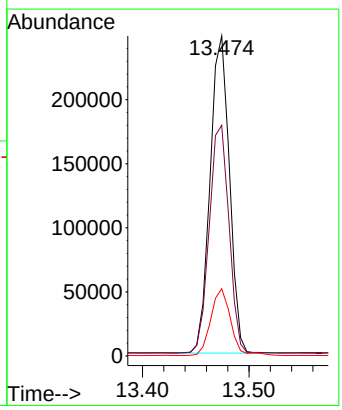


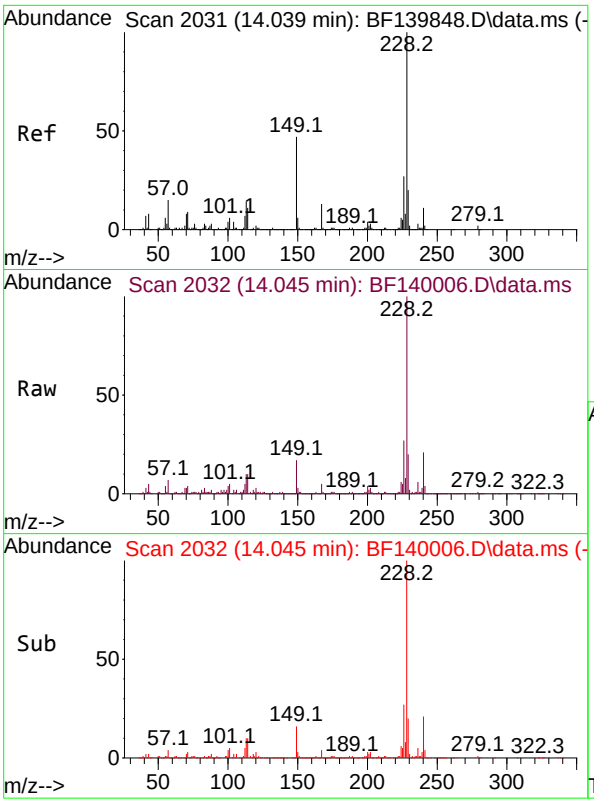


#80
Butylbenzylphthalate
Concen: 51.189 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:149 Resp: 311437

Ion	Ratio	Lower	Upper
149	100		
91	72.1	59.4	89.2
206	21.0	16.4	24.6



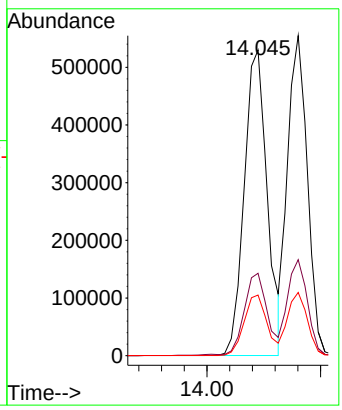


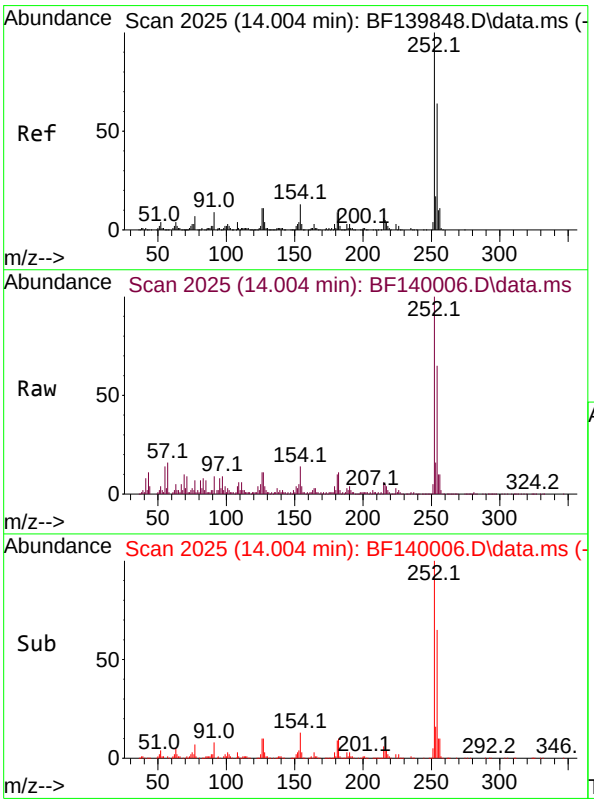
#81
Benzo(a)anthracene
Concen: 49.398 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:228 Resp: 745519

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.6	32.4
229	19.9	16.1	24.1

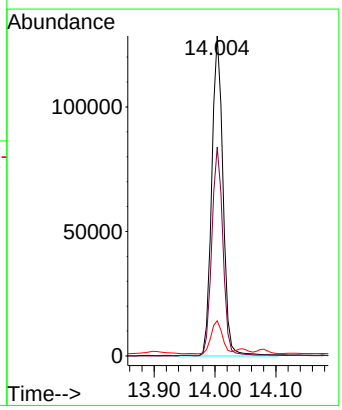


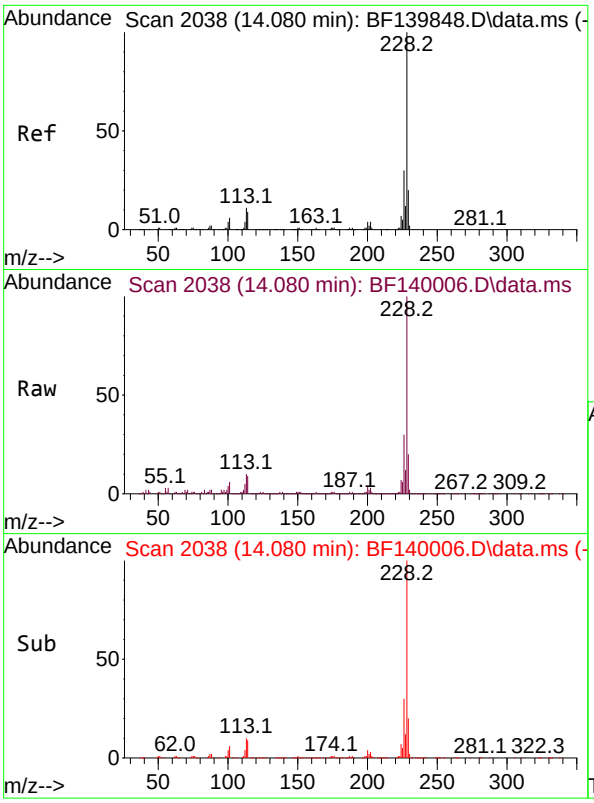


#82
3,3'-Dichlorobenzidine
Concen: 37.714 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:252 Resp: 165952

Ion	Ratio	Lower	Upper
252	100		
254	65.3	50.8	76.2
126	11.0	8.9	13.3



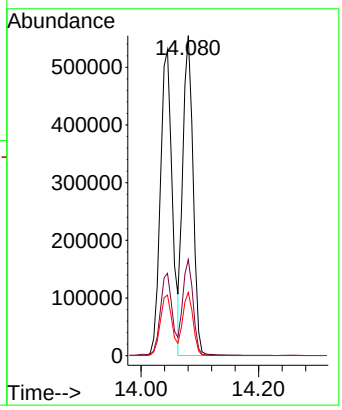


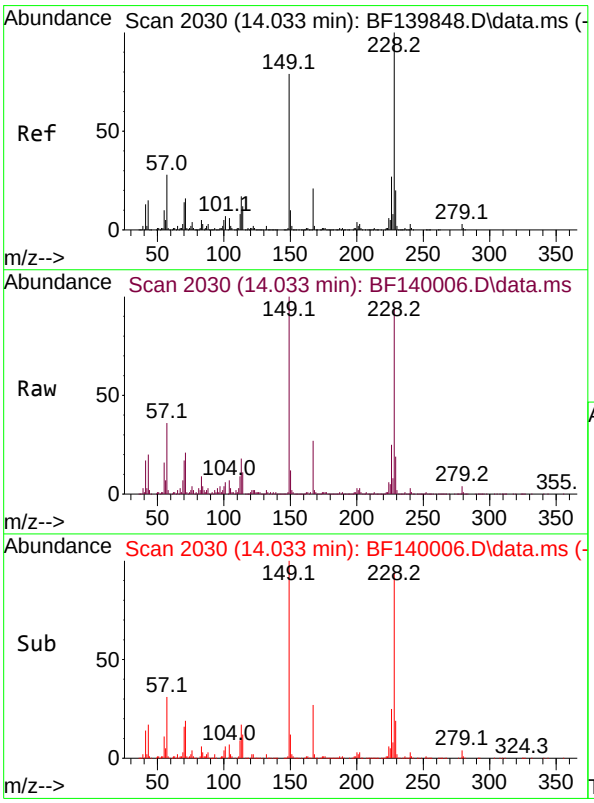
#83
Chrysene
Concen: 48.716 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:228 Resp: 674113

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.7	15.8	23.6

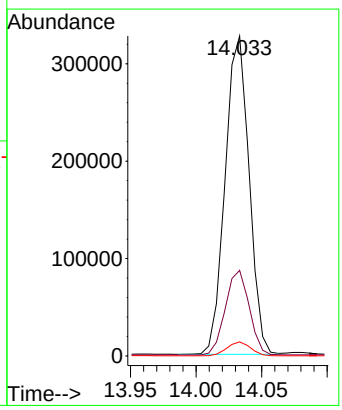


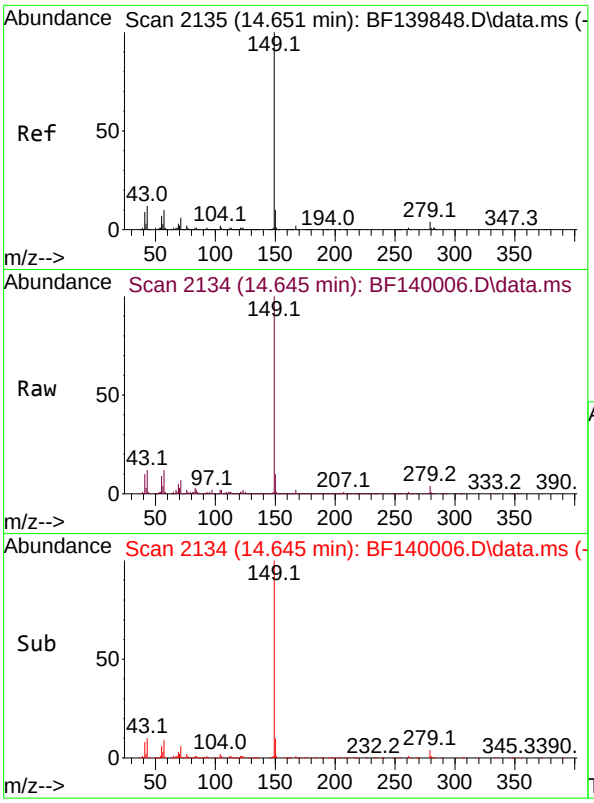


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.828 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:149 Resp: 415213

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	4.4	3.0	4.4



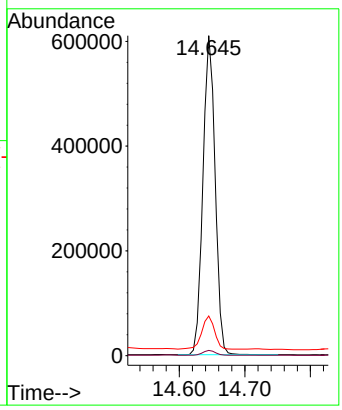


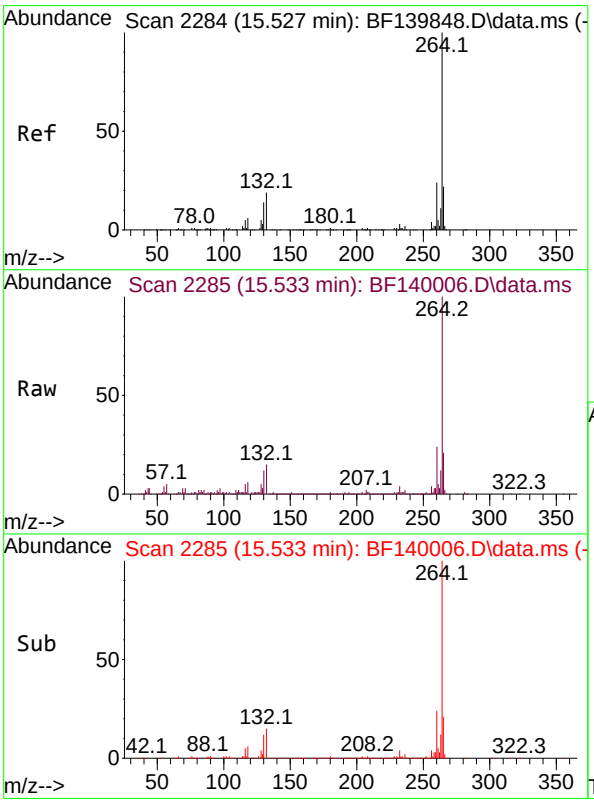
#85
Di-n-octyl phthalate
Concen: 63.576 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:149 Resp: 789345

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	9.8	14.6

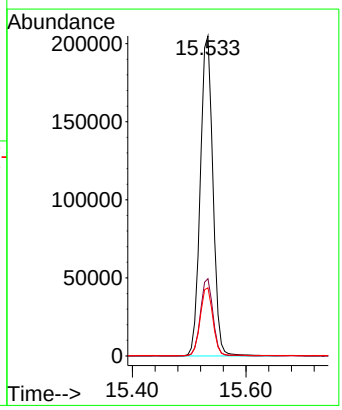


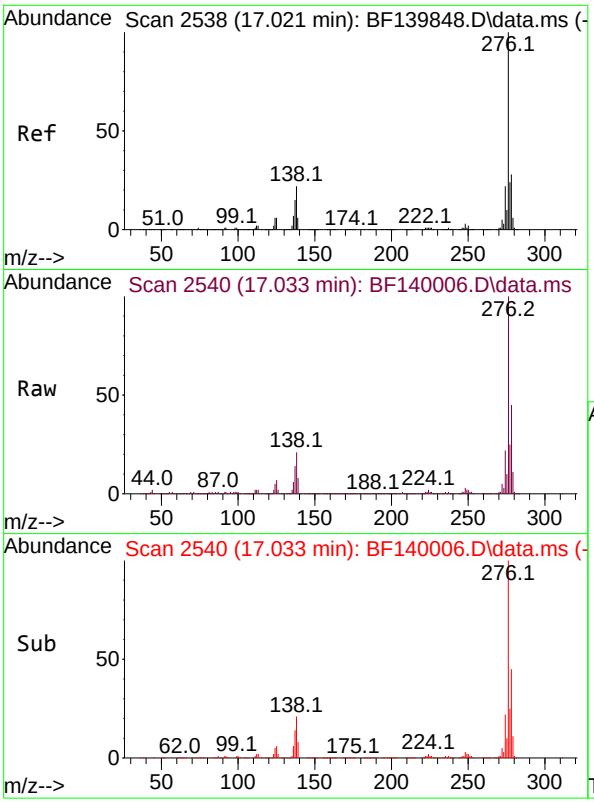


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:264 Resp: 316800

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.3	17.4	26.0



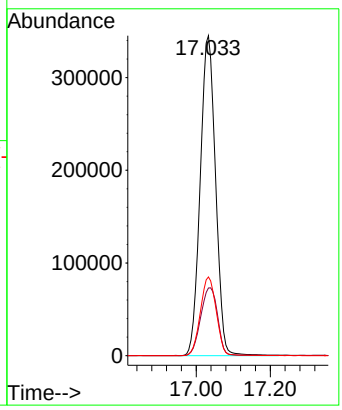


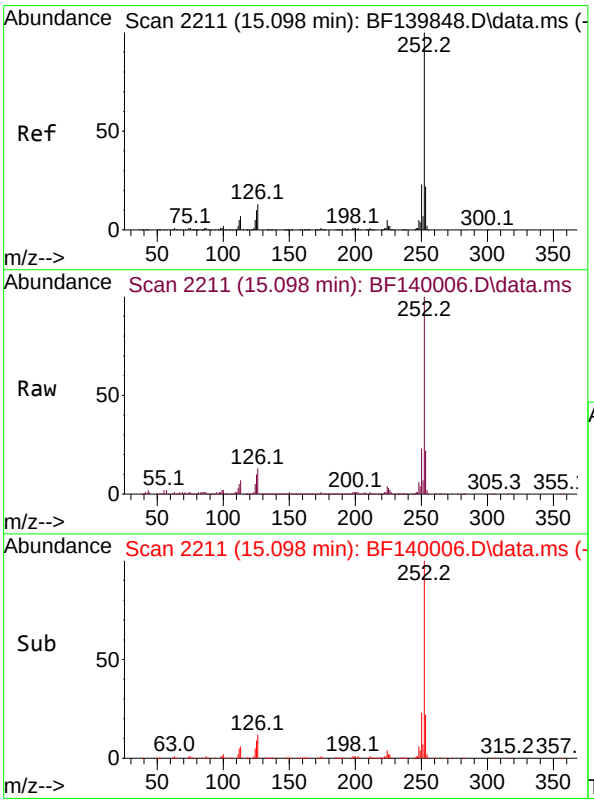
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.721 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:276 Resp: 992966

Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.4	30.6
277	25.3	20.2	30.4

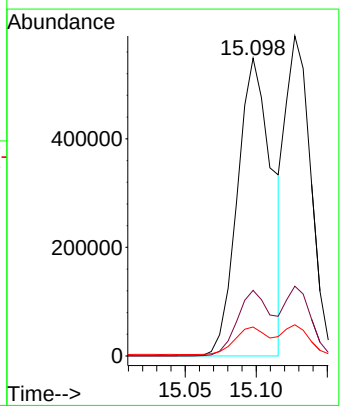


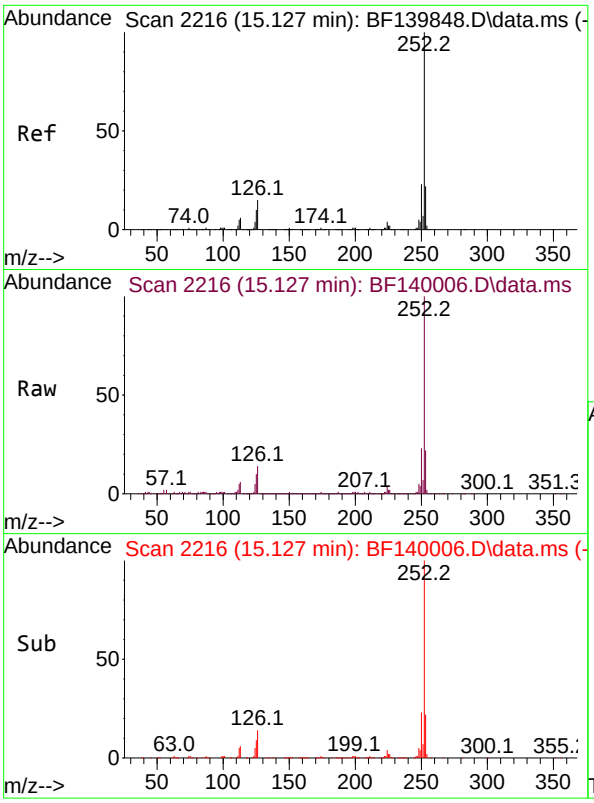


#88
Benzo(b)fluoranthene
Concen: 47.935 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:252 Resp: 925046

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.8	7.9	11.9



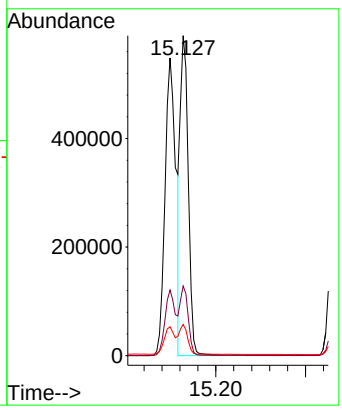


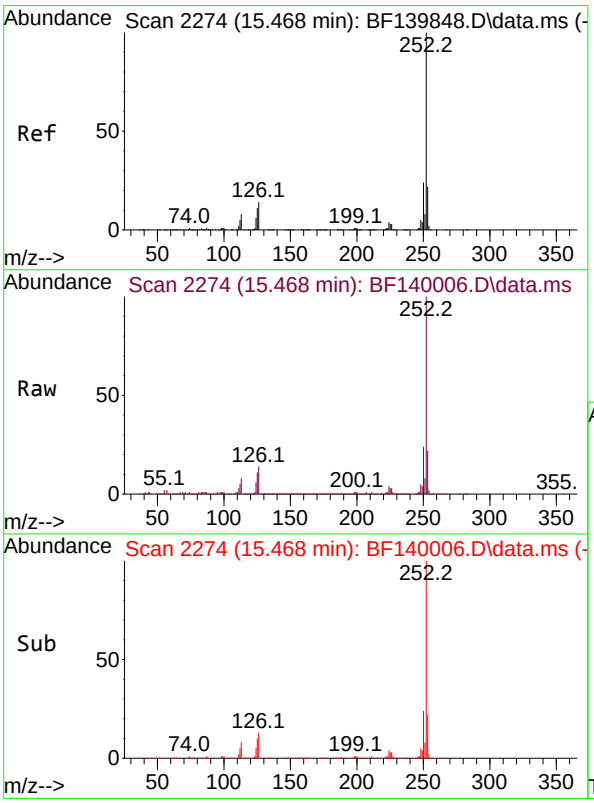
#89
Benzo(k)fluoranthene
Concen: 44.269 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:252 Resp: 736766

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.8	7.9	11.9

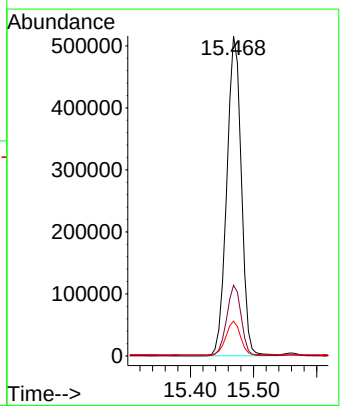


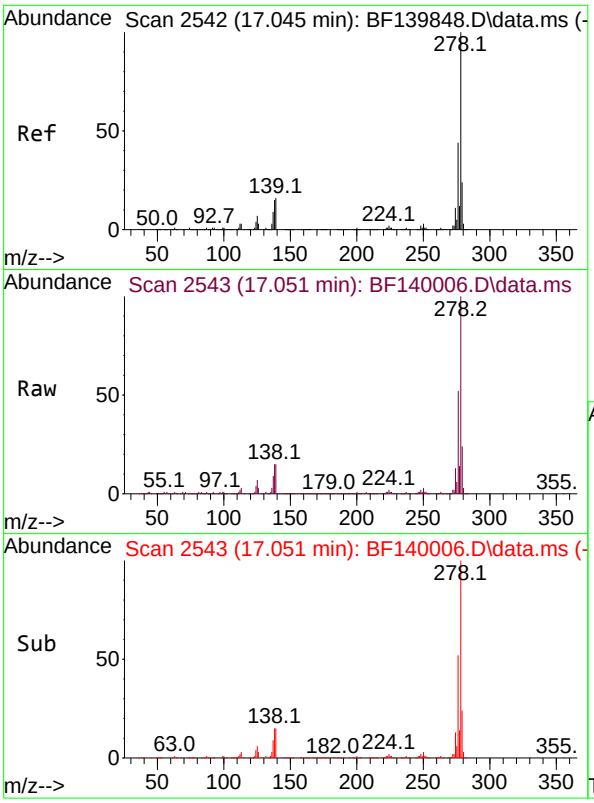


#90
Benzo(a)pyrene
Concen: 51.824 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:252 Resp: 822922

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	10.9	8.7	13.1



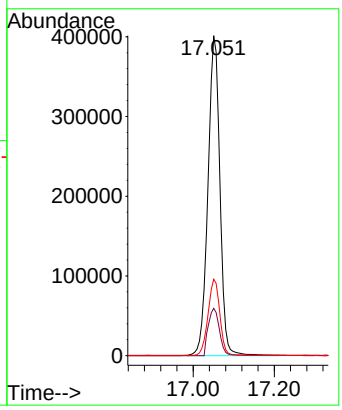


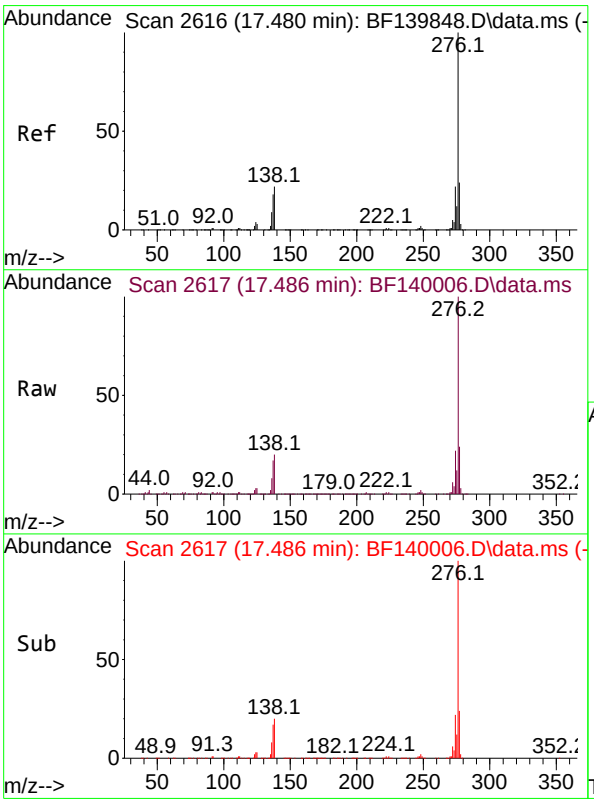
#91
Dibenzo(a,h)anthracene
Concen: 48.235 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Tgt Ion:278 Resp: 820090

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.1	19.7
279	23.9	19.0	28.4

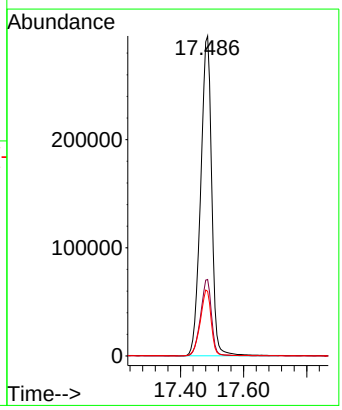




#92
Benzo(g,h,i)perylene
Concen: 42.091 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF140006.D
Acq: 24 Oct 2024 17:45

Tgt Ion:276 Resp: 714813

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	20.2	17.4	26.0



Raw Data: **BF140007.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140007.D	1	10/21/24 09:28	10/24/24 18:14	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	720		230	410	ug/Kg
108-95-2	Phenol	2300		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2300		100	210	ug/Kg
95-57-8	2-Chlorophenol	2400		100	210	ug/Kg
95-48-7	2-Methylphenol	1700		100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	210	ug/Kg
98-86-2	Acetophenone	2200		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1600		99.5	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		50.2	99.7	ug/Kg
67-72-1	Hexachloroethane	2000		100	210	ug/Kg
98-95-3	Nitrobenzene	2100		110	210	ug/Kg
78-59-1	Isophorone	2200		110	210	ug/Kg
88-75-5	2-Nitrophenol	2600		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		94.1	210	ug/Kg
91-20-3	Naphthalene	2200		100	210	ug/Kg
106-47-8	4-Chloroaniline	760		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	2200		100	210	ug/Kg
105-60-2	Caprolactam	2800		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		96.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	2100		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	7500	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		89.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		92.2	210	ug/Kg
92-52-4	1,1-Biphenyl	2100		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	2100		100	210	ug/Kg
88-74-4	2-Nitroaniline	2400		120	210	ug/Kg
131-11-3	Dimethylphthalate	2100		100	210	ug/Kg

Raw Data: **BF140007.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140007.D	1	10/21/24 09:28	10/24/24 18:14	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		100	210	ug/Kg
99-09-2	3-Nitroaniline	1500		110	210	ug/Kg
83-32-9	Acenaphthene	2400		100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	5500	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4400	E	140	410	ug/Kg
132-64-9	Dibenzofuran	2200		110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2400		110	210	ug/Kg
84-66-2	Diethylphthalate	2200		99.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		110	210	ug/Kg
86-73-7	Fluorene	2100		110	210	ug/Kg
100-01-6	4-Nitroaniline	2100		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3300		150	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300		98.3	210	ug/Kg
118-74-1	Hexachlorobenzene	2300		110	210	ug/Kg
1912-24-9	Atrazine	2800		110	210	ug/Kg
87-86-5	Pentachlorophenol	4400	E	96.3	410	ug/Kg
85-01-8	Phenanthrene	2200		100	210	ug/Kg
120-12-7	Anthracene	2300		110	210	ug/Kg
86-74-8	Carbazole	2100		100	210	ug/Kg
84-74-2	Di-n-butylphthalate	2300		110	210	ug/Kg
206-44-0	Fluoranthene	1900		100	210	ug/Kg
129-00-0	Pyrene	1800		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	2300		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	2200		100	210	ug/Kg
218-01-9	Chrysene	2100		99.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2700		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2900		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		100	210	ug/Kg

Raw Data: **BF140007.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140007.D	1	10/21/24 09:28	10/24/24 18:14	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2300		120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		97.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2900		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2500		99.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		110	210	ug/Kg
123-91-1	1,4-Dioxane	1600		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		93.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	140		30 (15) - 130 (107)	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (18) - 130 (107)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.3		30 (20) - 130 (109)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		30 (10) - 130 (105)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	114000	6.893			
1146-65-2	Naphthalene-d8	337000	8.175			
15067-26-2	Acenaphthene-d10	177000	9.928			
1517-22-2	Phenanthrene-d10	285000	11.416			
1719-03-5	Chrysene-d12	165000	14.051			
1520-96-3	Perylene-d12	223000	15.533			

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\BF102424\
Data File : BF140007.D
Acq On : 24 Oct 2024 18:14
Operator : RC/JU
Sample : P4460-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Quant Time: Oct 25 01:08:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	114465	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	337350	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	176753	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	285247	20.000	ng		0.00
76) Chrysene-d12	14.051	240	164779	20.000	ng		0.00
86) Perylene-d12	15.533	264	222740	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	824926	112.822	ng		0.01
7) Phenol-d6	6.516	99	1325410	139.960	ng		0.00
23) Nitrobenzene-d5	7.451	82	617039	101.374	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	247008	149.404	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	1051039	98.276	ng		0.00
79) Terphenyl-d14	12.998	244	828244	81.904	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	133047	39.027	ng		95
3) Pyridine	3.493	79	343491	40.649	ng		96
4) n-Nitrosodimethylamine	3.440	42	201377	44.356	ng		96
6) Aniline	6.551	93	426575	48.333	ng		98
8) 2-Chlorophenol	6.675	128	427918	57.248	ng		97
9) Benzaldehyde	6.440	77	92682	17.397	ng		96
10) Phenol	6.528	94	547354m	56.064	ng		
11) bis(2-Chloroethyl)ether	6.628	93	412436	54.655	ng		99
12) 1,3-Dichlorobenzene	6.834	146	401889	46.837	ng		99
13) 1,4-Dichlorobenzene	6.910	146	392844	45.826	ng		98
14) 1,2-Dichlorobenzene	7.057	146	382366	47.792	ng		99
15) Benzyl Alcohol	7.028	79	339932	48.935	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	493410	38.347	ng		96
17) 2-Methylphenol	7.134	107	260974	40.945	ng		98
18) Hexachloroethane	7.404	117	145603	47.630	ng		97
19) n-Nitroso-di-n-propyla...	7.304	70	225802	39.314	ng		97
20) 3+4-Methylphenols	7.287	107	317036	38.888	ng		94
22) Acetophenone	7.298	105	436315	52.805	ng		99
24) Nitrobenzene	7.475	77	340321	50.996	ng		99
25) Isophorone	7.710	82	602896	52.187	ng		99
26) 2-Nitrophenol	7.787	139	155768	61.872	ng		98
27) 2,4-Dimethylphenol	7.822	122	239425	57.033	ng		96
28) bis(2-Chloroethoxy)met...	7.922	93	345019	49.293	ng		100
29) 2,4-Dichlorophenol	8.028	162	250024	52.289	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	263493	49.801	ng		100
31) Naphthalene	8.198	128	920714	52.919	ng		100
32) Benzoic acid	7.928	122	169951	46.416	ng	#	70
33) 4-Chloroaniline	8.240	127	107977	18.200	ng		98
34) Hexachlorobutadiene	8.310	225	175596	52.821	ng		99
35) Caprolactam	8.598	113	103349	67.976	ng	#	53
36) 4-Chloro-3-methylphenol	8.716	107	266317	50.300	ng		100
37) 2-Methylnaphthalene	8.887	142	545080	51.155	ng		99
38) 1-Methylnaphthalene	8.987	142	501190	47.941	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	247588	51.921	ng		99
41) Hexachlorocyclopentadiene	9.040	237	300488	181.102	ng		100
43) 2,4,6-Trichlorophenol	9.163	196	178341	52.825	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140007.D
Acq On : 24 Oct 2024 18:14
Operator : RC/JU
Sample : P4460-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Quant Time: Oct 25 01:08:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

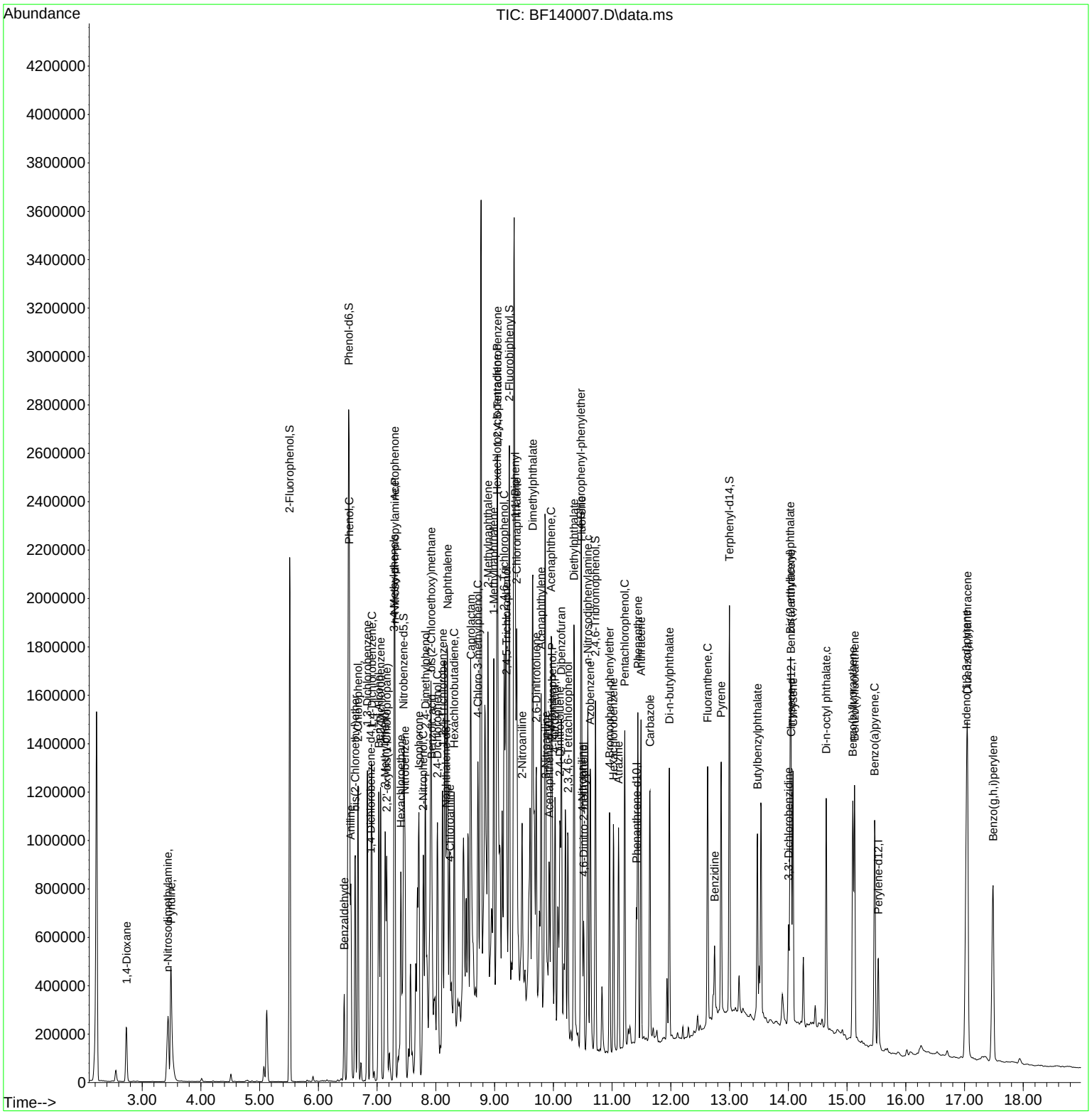
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	177917	51.079	ng	#	94
46) 1,1'-Biphenyl	9.351	154	627889	51.029	ng		98
47) 2-Chloronaphthalene	9.375	162	494241	49.872	ng		98
48) 2-Nitroaniline	9.469	65	174378	57.532	ng		96
49) Acenaphthylene	9.792	152	781851	54.571	ng		99
50) Dimethylphthalate	9.651	163	567442	51.541	ng		100
51) 2,6-Dinitrotoluene	9.710	165	125567	52.675	ng		98
52) Acenaphthene	9.963	154	546490	58.964	ng		100
53) 3-Nitroaniline	9.875	138	89755	36.512	ng		99
54) 2,4-Dinitrophenol	9.981	184	136407	133.016	ng	#	1
55) Dibenzofuran	10.134	168	691704	52.016	ng		99
56) 4-Nitrophenol	10.028	139	201029	106.293	ng		91
57) 2,4-Dinitrotoluene	10.110	165	172391	58.808	ng		99
58) Fluorene	10.481	166	521069	51.447	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	151151	55.355	ng		98
60) Diethylphthalate	10.351	149	569509	52.685	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	266504	52.104	ng		98
62) 4-Nitroaniline	10.492	138	120028	51.697	ng		94
63) Azobenzene	10.628	77	613537	53.537	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	92659	79.637	ng		97
66) n-Nitrosodiphenylamine	10.586	169	479294	56.141	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	164323	55.919	ng		99
68) Hexachlorobenzene	11.022	284	179167	54.212	ng		99
69) Atrazine	11.110	200	156202	67.542	ng		98
70) Pentachlorophenol	11.216	266	213326	106.356	ng		99
71) Phenanthrene	11.439	178	700993	52.026	ng		100
72) Anthracene	11.492	178	714722	54.367	ng		100
73) Carbazole	11.645	167	607885	49.719	ng		100
74) Di-n-butylphthalate	11.975	149	775297	54.886	ng		100
75) Fluoranthene	12.628	202	611032	44.860	ng		98
77) Benzidine	12.745	184	156772	57.860	ng		99
78) Pyrene	12.857	202	607684	42.131	ng		99
80) Butylbenzylphthalate	13.475	149	242592	56.100	ng		98
81) Benzo(a)anthracene	14.045	228	567503	52.906	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	124225	39.720	ng		99
83) Chrysene	14.080	228	507254	51.577	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	320782	66.119	ng		100
85) Di-n-octyl phthalate	14.645	149	612589	69.420	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	1006407	70.234	ng		97
88) Benzo(b)fluoranthene	15.098	252	696336	51.321	ng		99
89) Benzo(k)fluoranthene	15.127	252	539757	46.127	ng		99
90) Benzo(a)pyrene	15.468	252	612597	54.870	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	830579	69.482	ng		98
92) Benzo(g,h,i)perylene	17.486	276	729168	61.067	ng		98

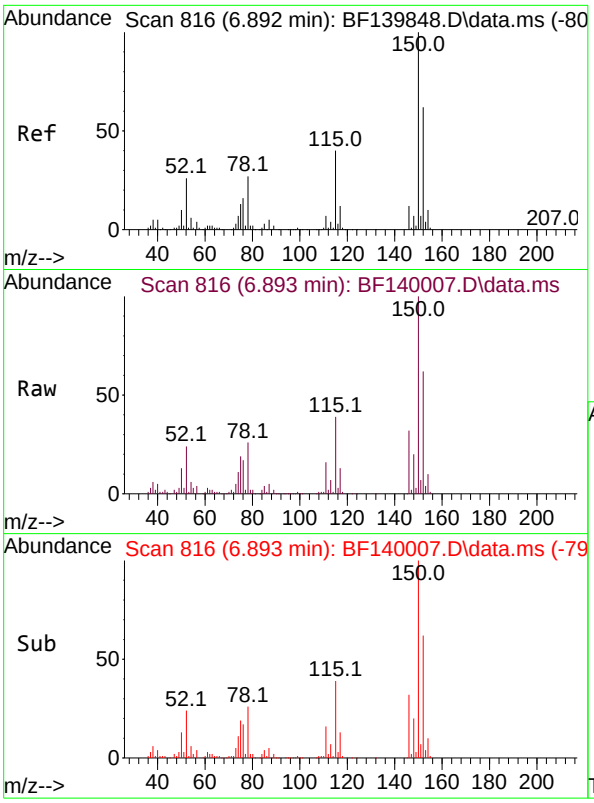
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140007.D
Acq On : 24 Oct 2024 18:14
Operator : RC/JU
Sample : P4460-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Quant Time: Oct 25 01:08:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



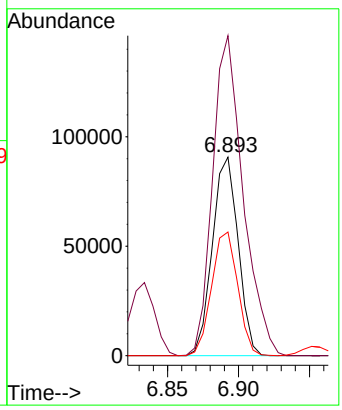


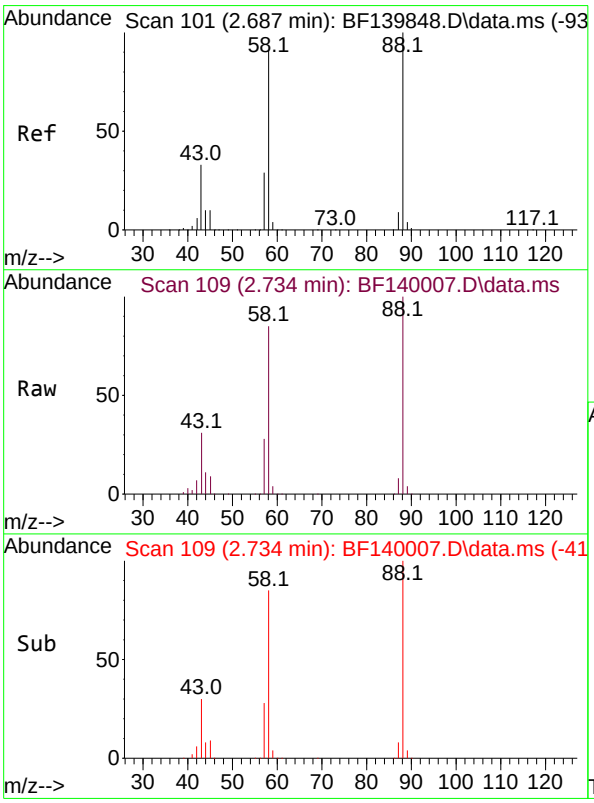
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 81
Delta R.T. 0.001 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:152 Resp: 114465

Ion	Ratio	Lower	Upper
152	100		
150	161.1	130.2	195.2
115	62.3	51.4	77.2

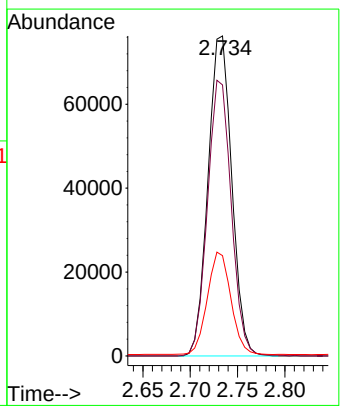


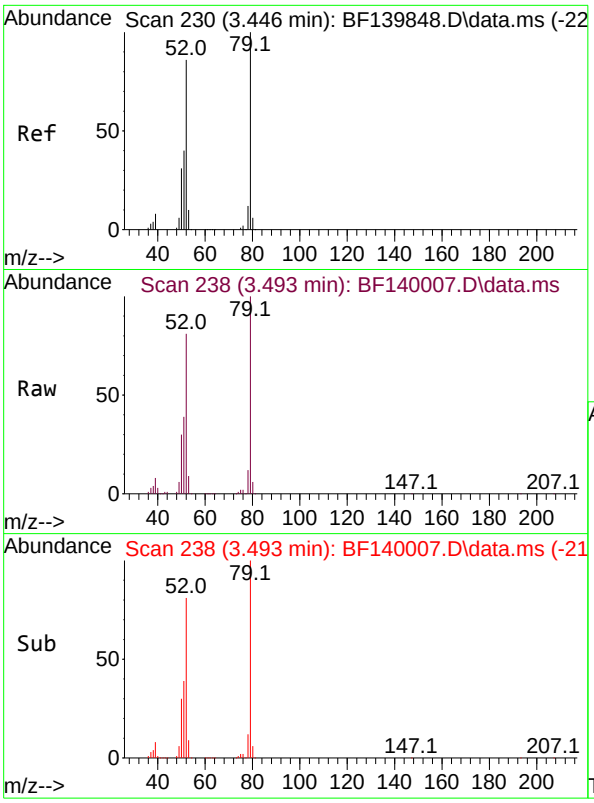


#2
1,4-Dioxane
Concen: 39.027 ng
RT: 2.734 min Scan# 109
Delta R.T. 0.047 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 88 Resp: 133047

Ion	Ratio	Lower	Upper
88	100		
58	86.2	73.3	109.9
43	31.6	27.1	40.7



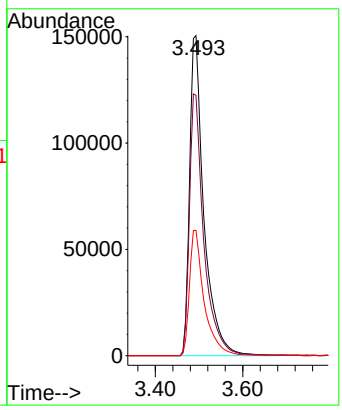


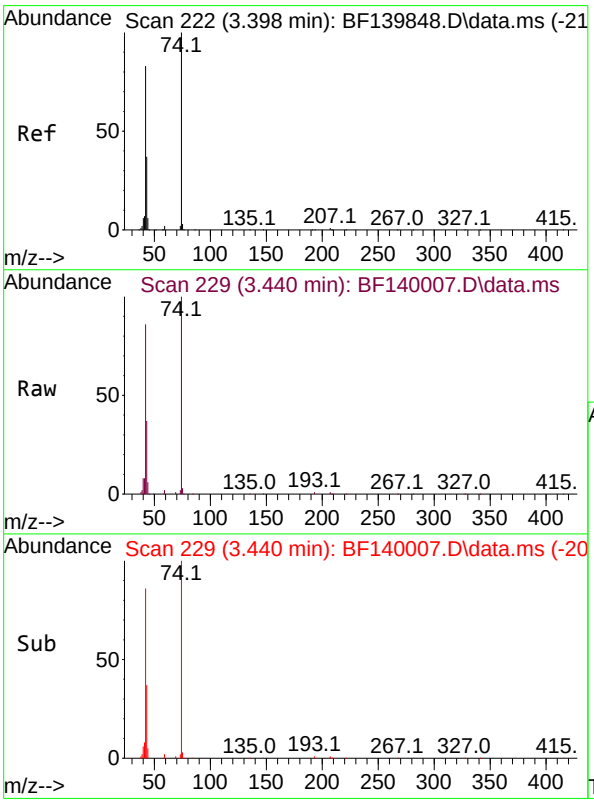
#3
Pyridine
Concen: 40.649 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.047 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 79 Resp: 343491

Ion	Ratio	Lower	Upper
79	100		
52	81.4	68.5	102.7
51	39.2	32.3	48.5

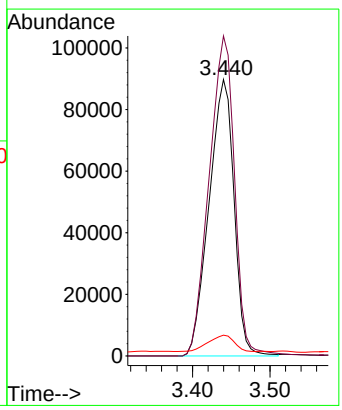


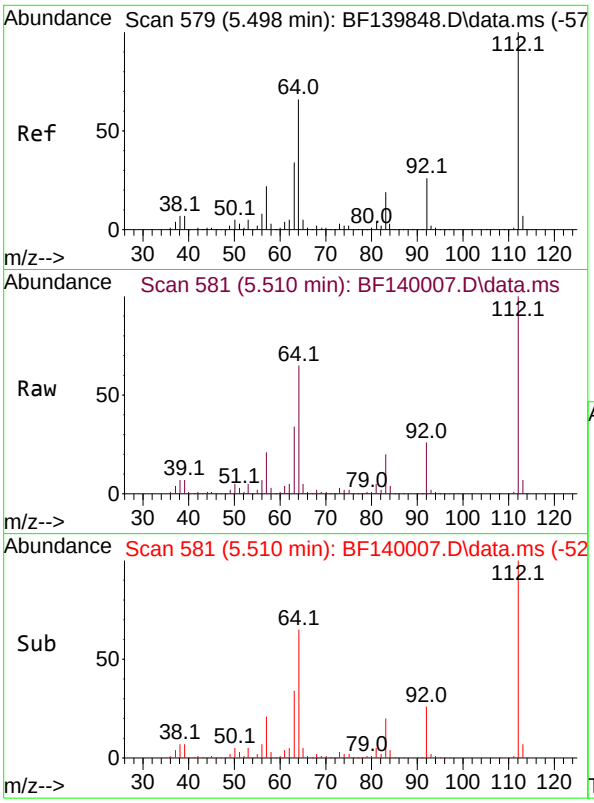


#4
n-Nitrosodimethylamine
Concen: 44.356 ng
RT: 3.440 min Scan# 229
Delta R.T. 0.041 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 42 Resp: 201377

Ion	Ratio	Lower	Upper
42	100		
74	115.7	96.2	144.4
44	7.5	6.2	9.2



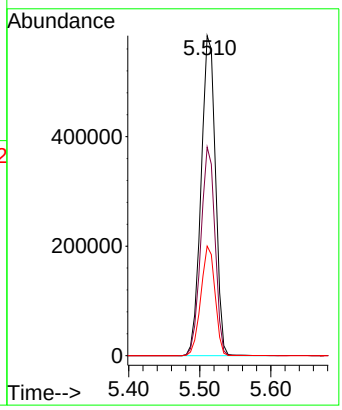


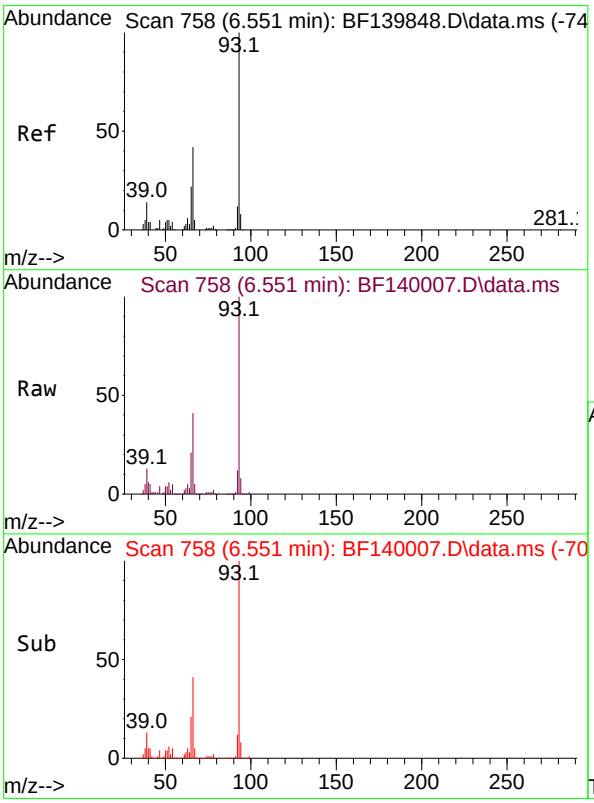
#5
2-Fluorophenol
Concen: 112.822 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:112 Resp: 824926

Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.0	79.6
63	34.2	27.0	40.4

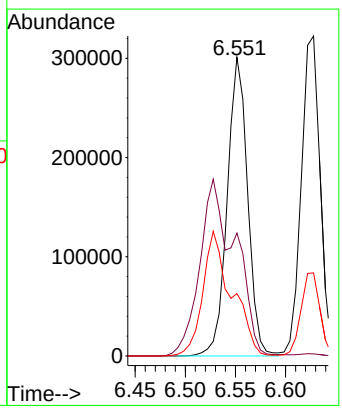


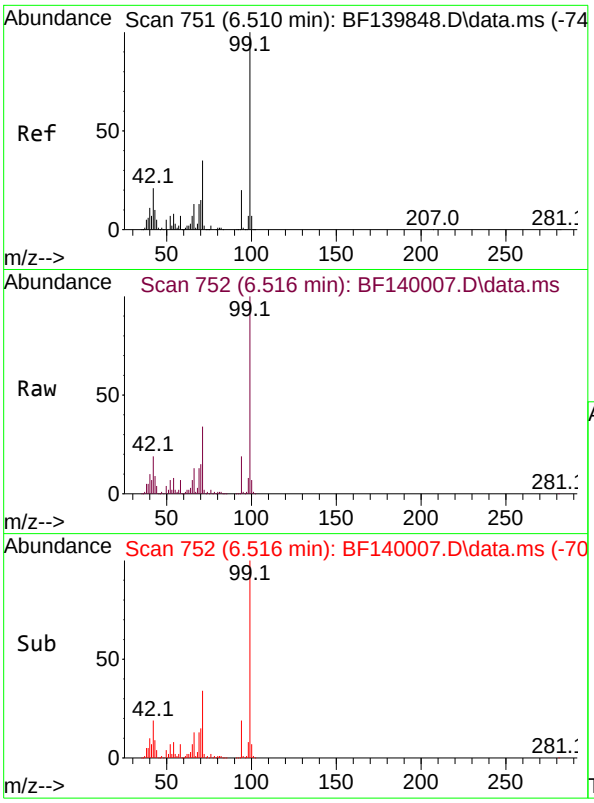


#6
Aniline
Concen: 48.333 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 93 Resp: 426575

Ion	Ratio	Lower	Upper
93	100		
66	41.2	34.0	51.0
65	20.9	17.4	26.0



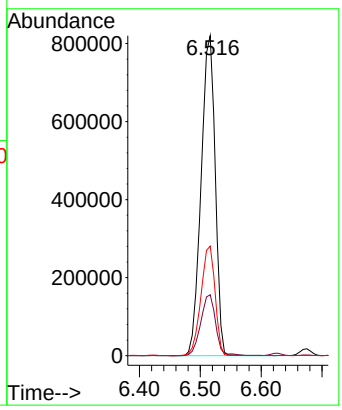


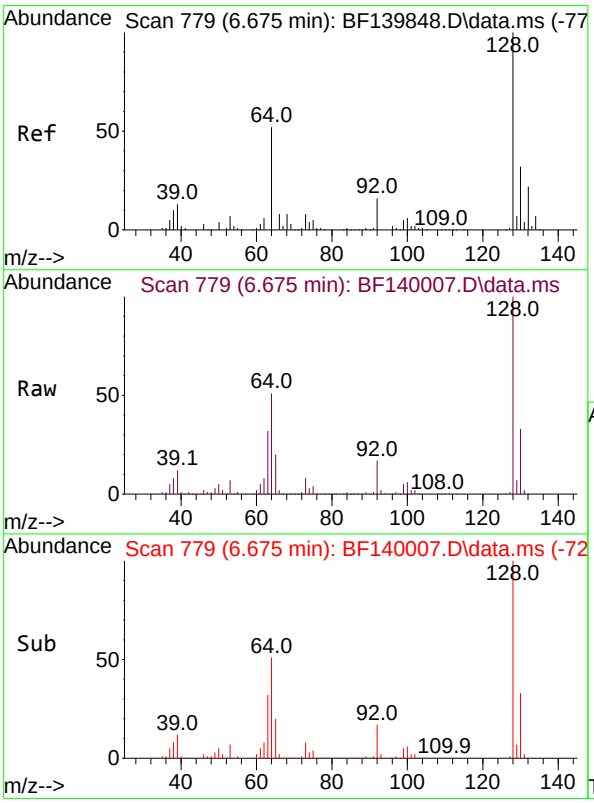
#7
Phenol-d6
Concen: 139.960 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 99 Resp: 1325410

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.3	27.7	41.5

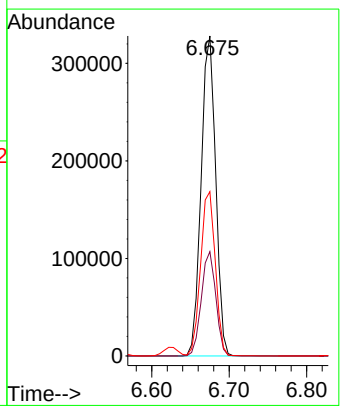


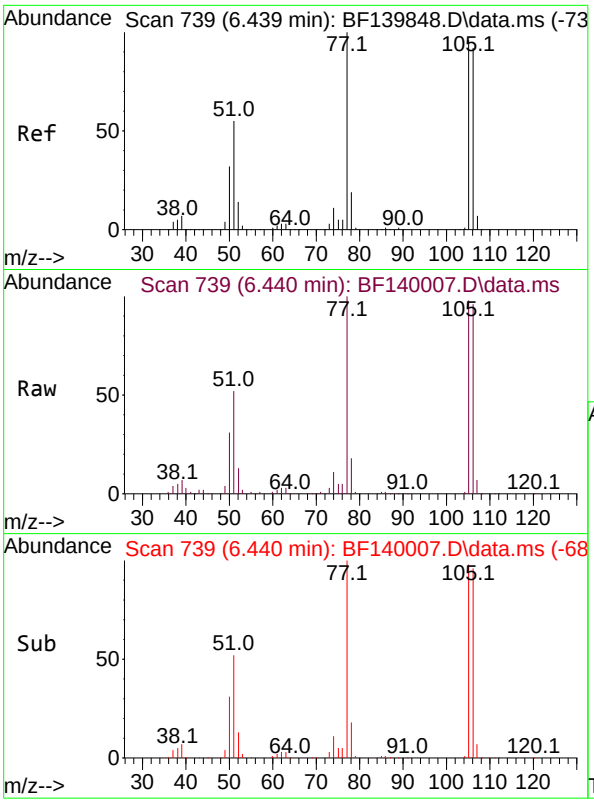


#8
2-Chlorophenol
Concen: 57.248 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:128 Resp: 427918

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	51.4	34.6	74.6



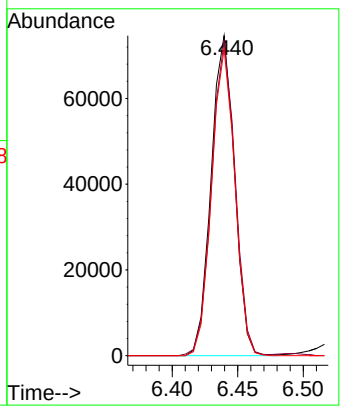


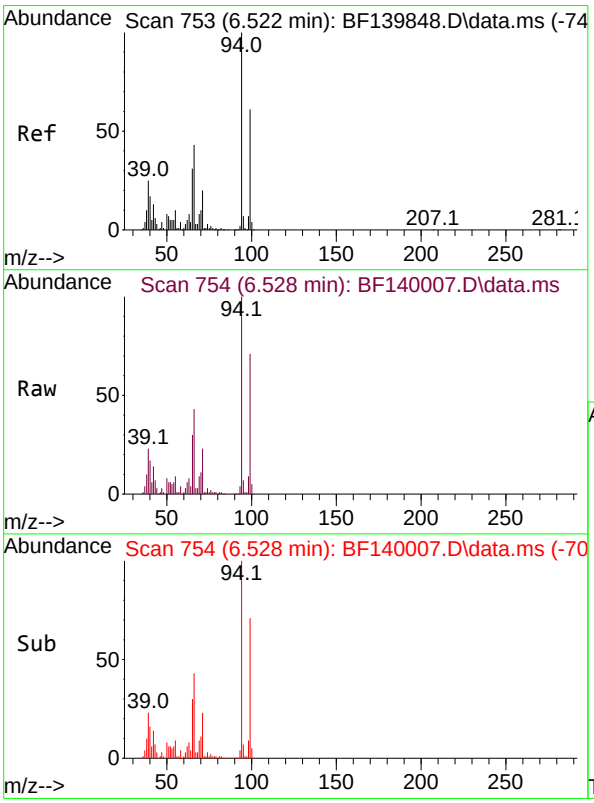
#9
Benzaldehyde
Concen: 17.397 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 77 Resp: 92682

Ion	Ratio	Lower	Upper
77	100		
105	98.2	75.5	115.5
106	95.8	71.7	111.7

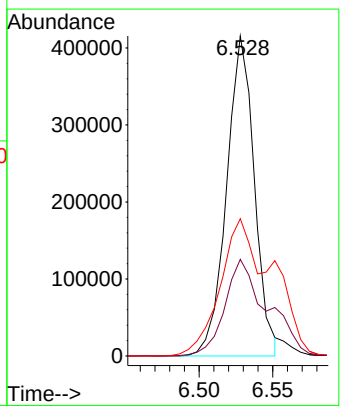


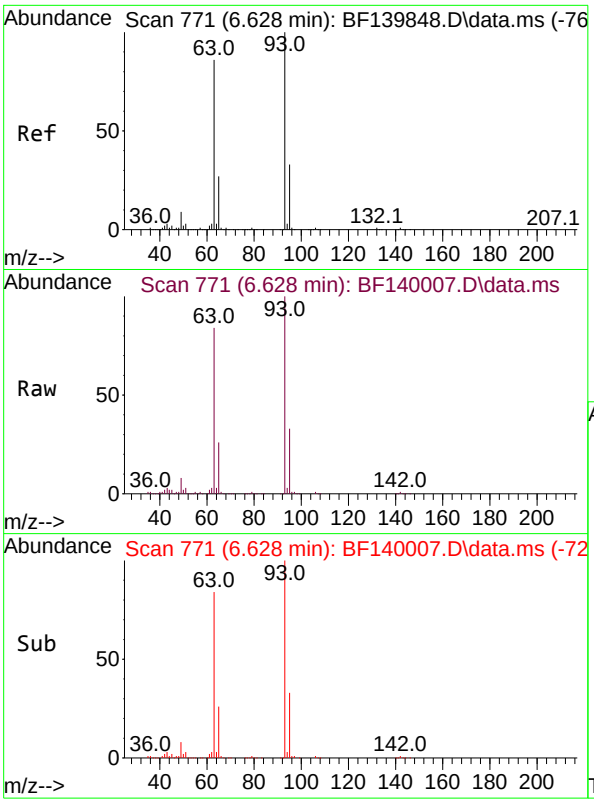


#10
Phenol
Concen: 56.064 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 94 Resp: 547354

Ion	Ratio	Lower	Upper
94	100		
65	30.2	11.1	51.1
66	42.9	22.7	62.7



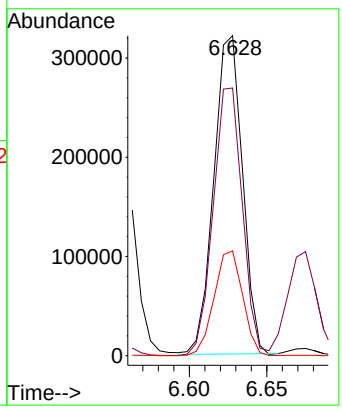


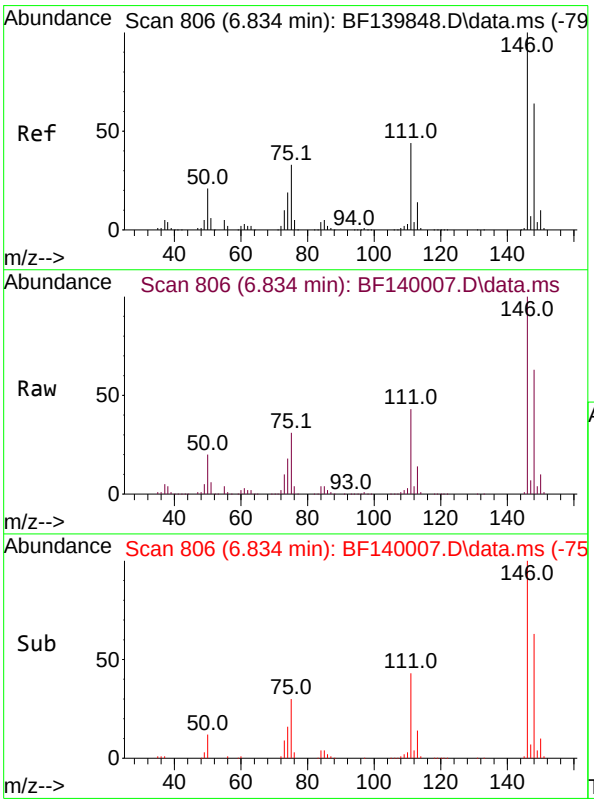
#11
bis(2-Chloroethyl)ether
Concen: 54.655 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 93 Resp: 412436

Ion	Ratio	Lower	Upper
93	100		
63	83.6	65.0	105.0
95	32.8	12.4	52.4

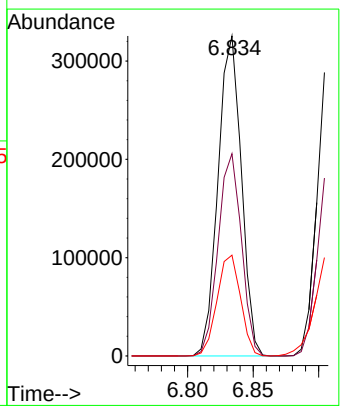


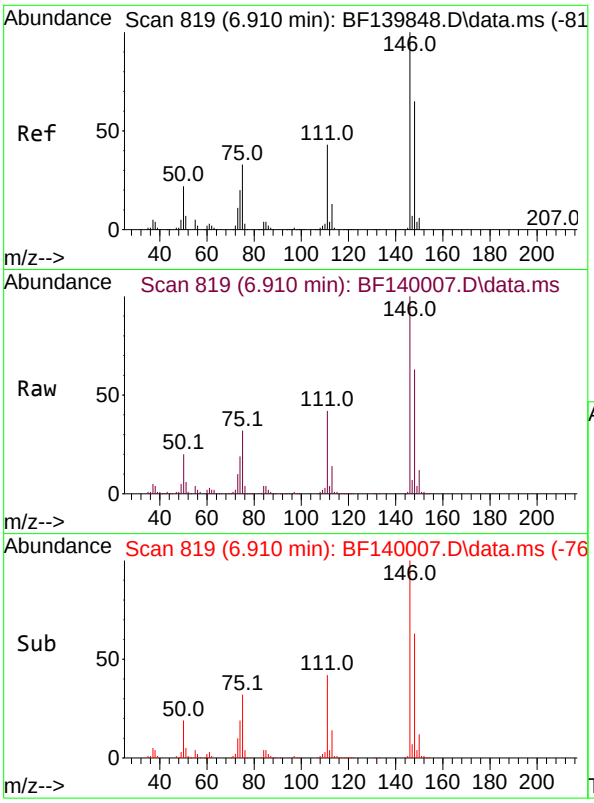


#12
1,3-Dichlorobenzene
Concen: 46.837 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:146 Resp: 401889

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
75	31.5	26.4	39.6



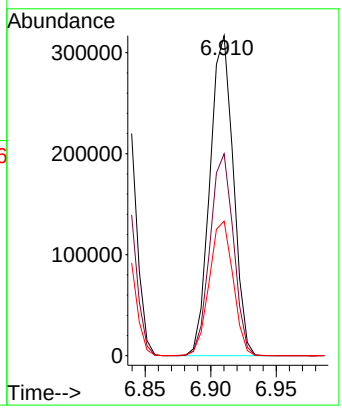


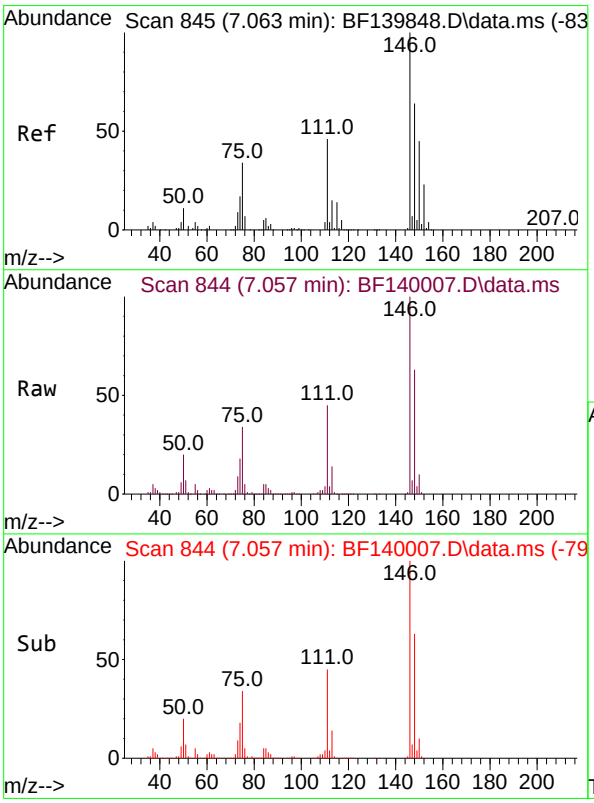
#13
1,4-Dichlorobenzene
Concen: 45.826 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:146 Resp: 392844

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.8	77.8
111	42.1	34.6	51.8

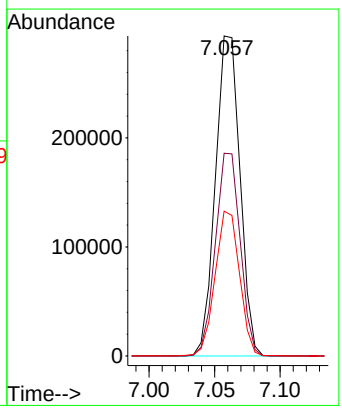


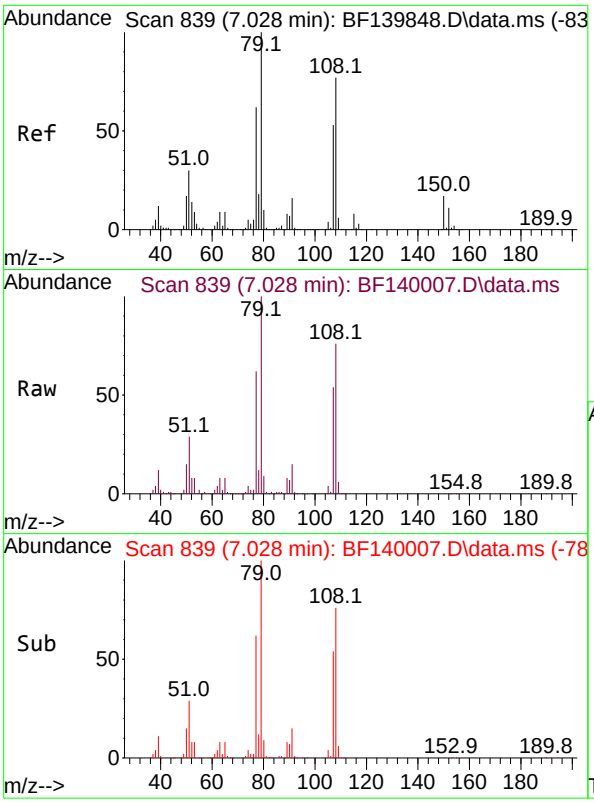


#14
1,2-Dichlorobenzene
Concen: 47.792 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:146 Resp: 382366

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.2
111	45.2	36.7	55.1



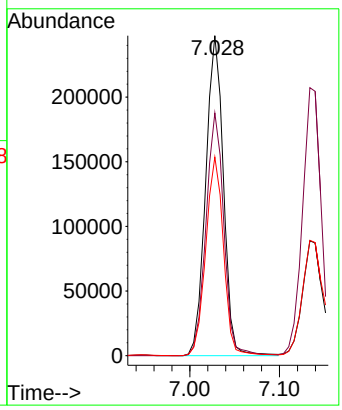


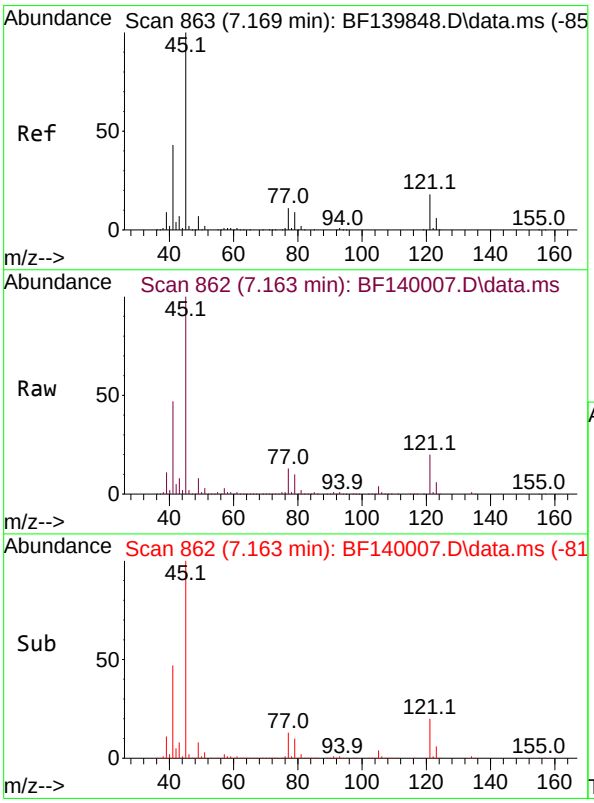
#15
Benzyl Alcohol
Concen: 48.935 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 79 Resp: 339932

Ion	Ratio	Lower	Upper
79	100		
108	75.8	61.4	92.0
77	62.0	49.9	74.9

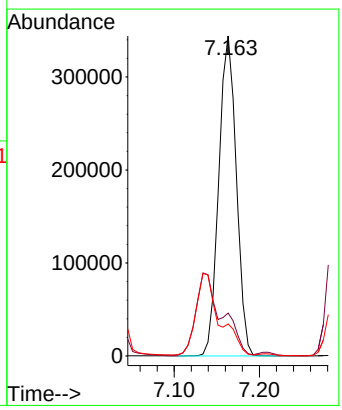


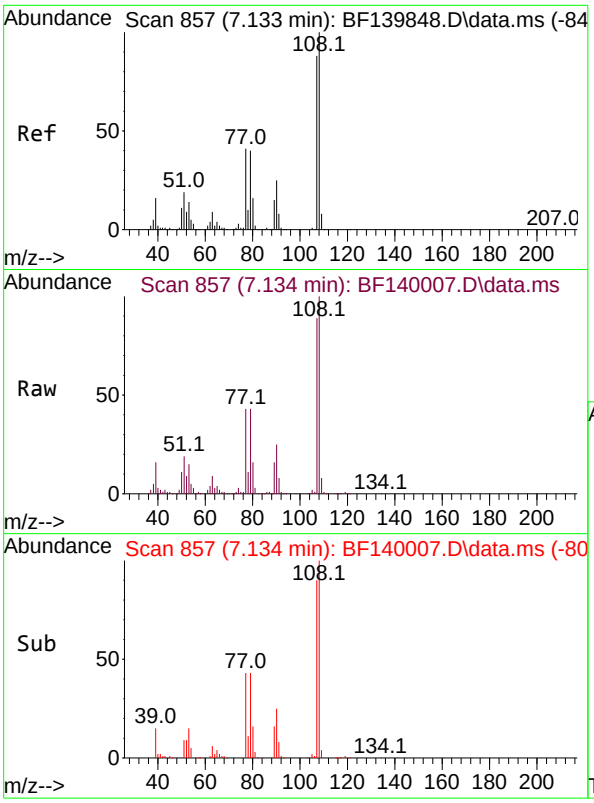


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.347 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 45 Resp: 493410

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	31.5
79	10.0	0.0	29.1



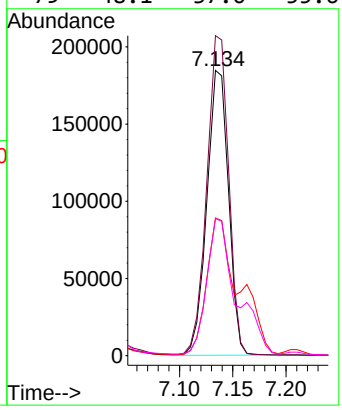


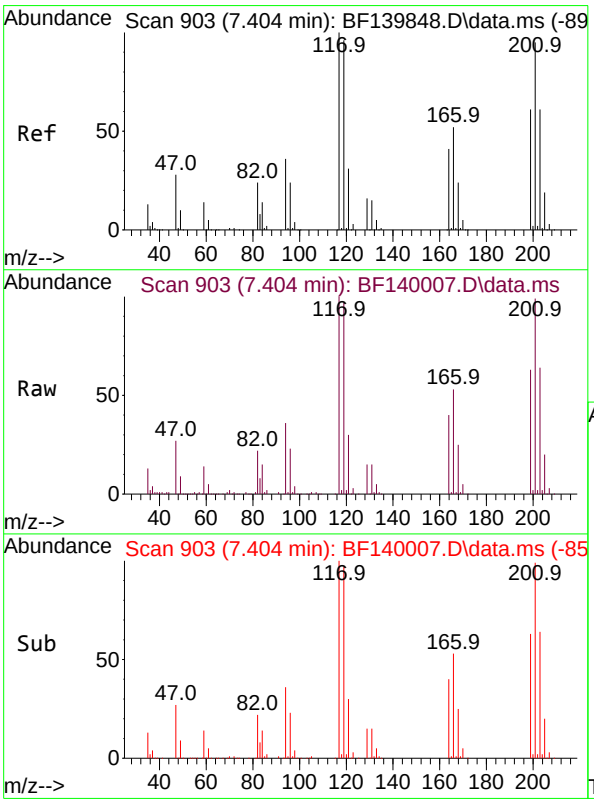
#17
2-Methylphenol
Concen: 40.945 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:107 Resp: 260974

Ion	Ratio	Lower	Upper
107	100		
108	112.2	91.3	136.9
77	48.3	37.1	55.7
79	48.1	37.0	55.6

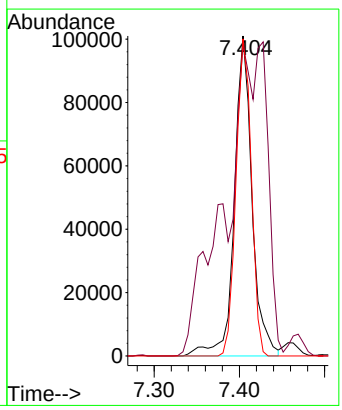


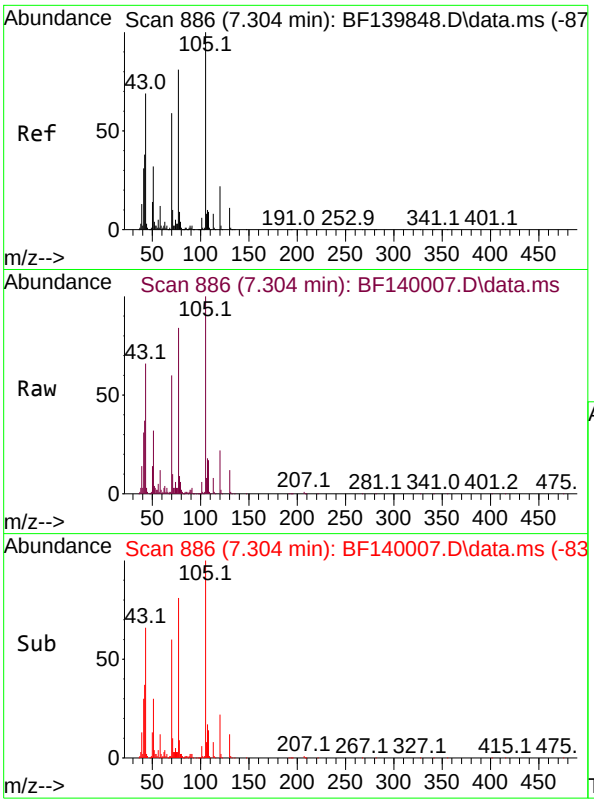


#18
Hexachloroethane
Concen: 47.630 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:117 Resp: 145603

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.0	115.4
201	99.1	76.2	114.4



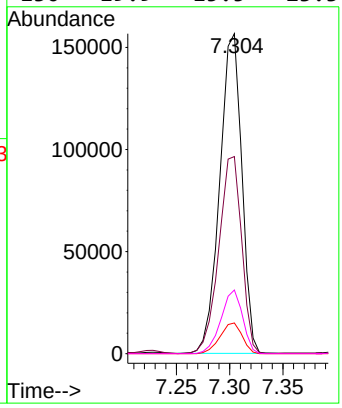


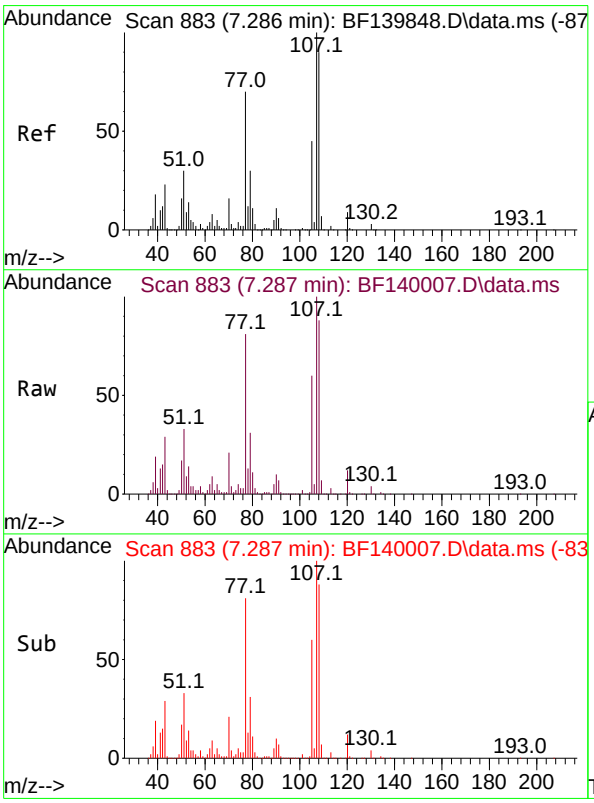
#19
n-Nitroso-di-n-propylamine
Concen: 39.314 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 70 Resp: 225802

Ion	Ratio	Lower	Upper
70	100		
42	61.6	51.5	77.3
101	9.6	7.5	11.3
130	19.9	15.5	23.3

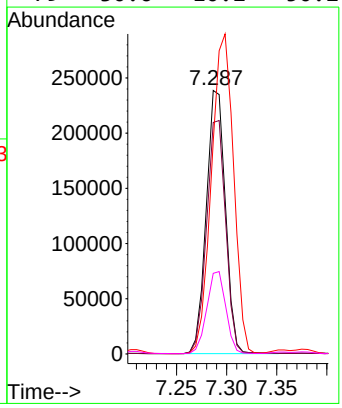


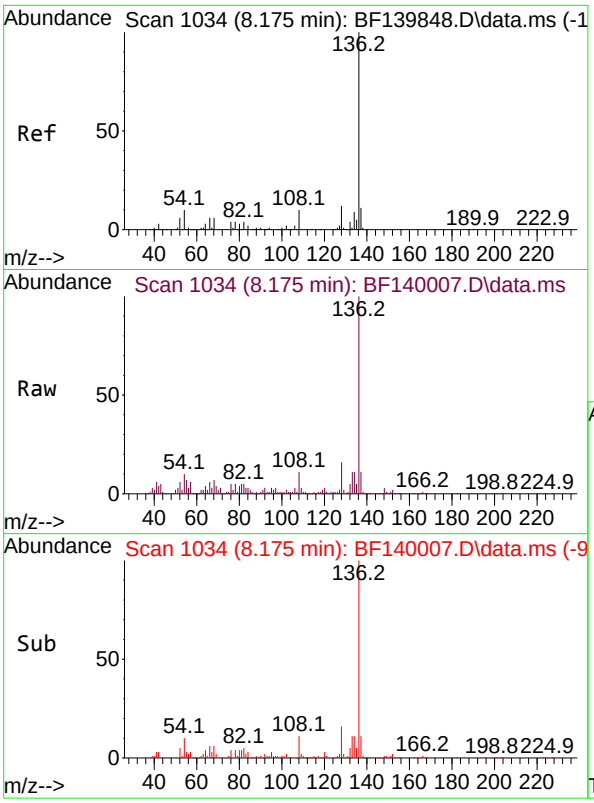


#20
3+4-Methylphenols
Concen: 38.888 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:107 Resp: 317036

Ion	Ratio	Lower	Upper
107	100		
108	87.9	69.8	109.8
77	80.7	50.5	90.5
79	30.6	10.2	50.2



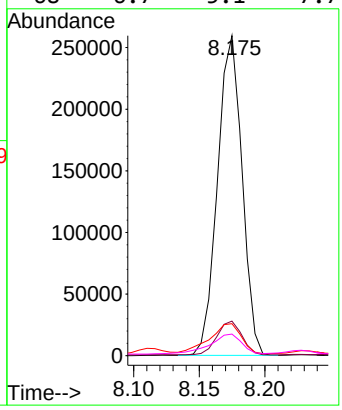


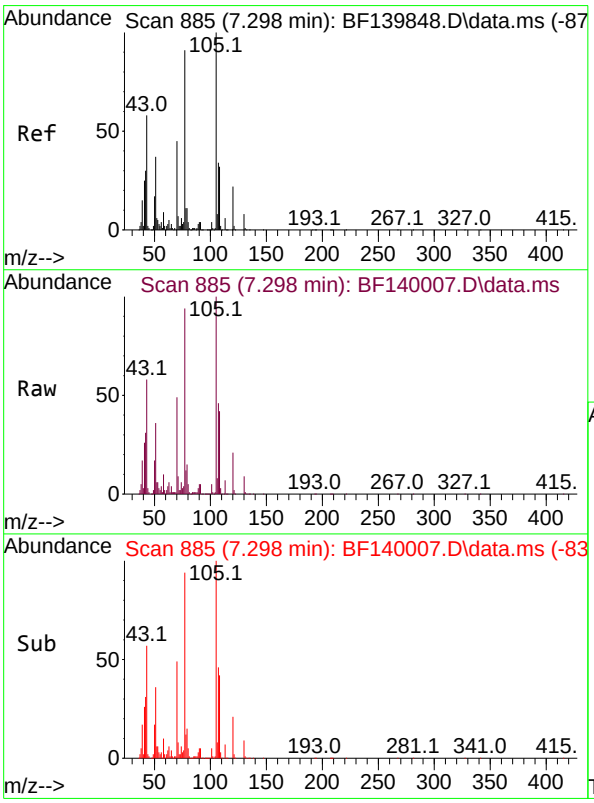
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:136 Resp: 337350

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.0	8.4	12.6
68	6.7	5.1	7.7

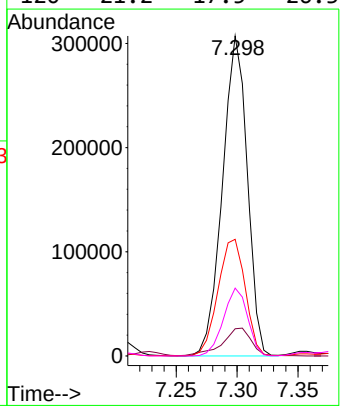


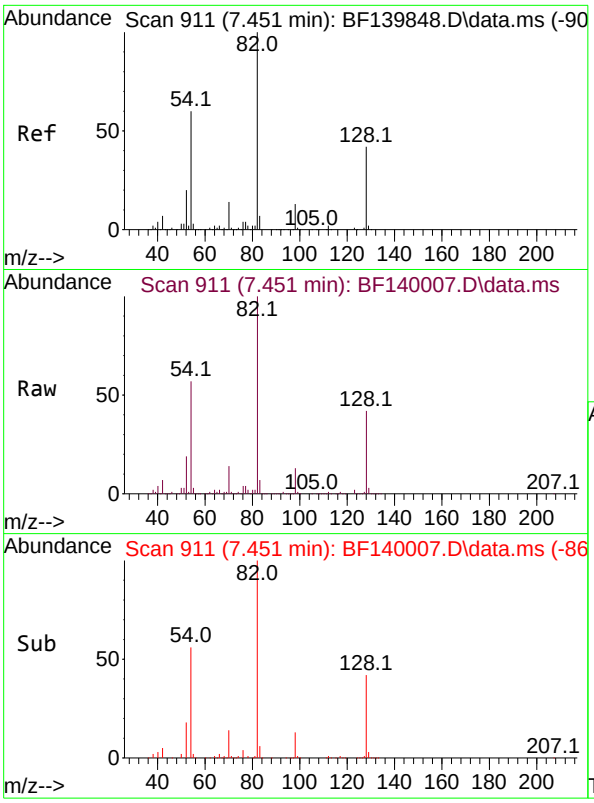


#22
Acetophenone
Concen: 52.805 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:105 Resp: 436315

Ion	Ratio	Lower	Upper
105	100		
71	8.5	5.9	8.9
51	36.4	29.4	44.2
120	21.2	17.5	26.3



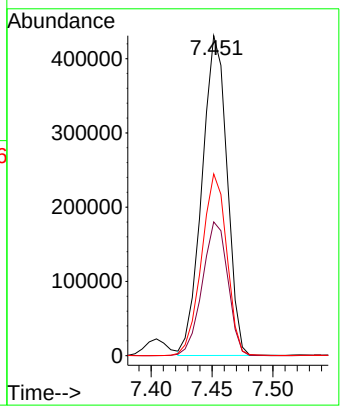


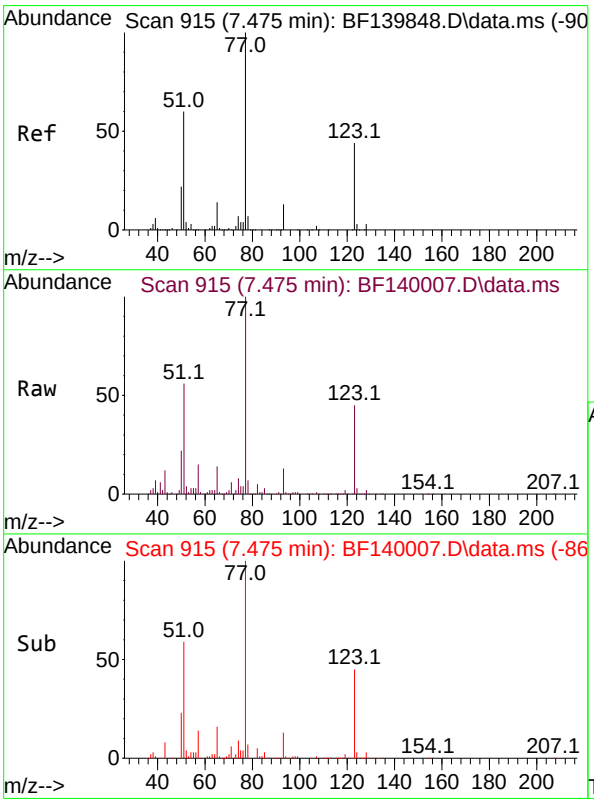
#23
Nitrobenzene-d5
Concen: 101.374 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 82 Resp: 617039

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.0
54	56.8	47.8	71.8

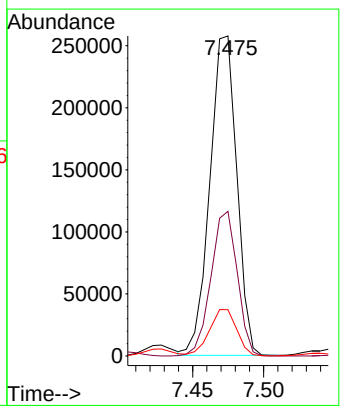


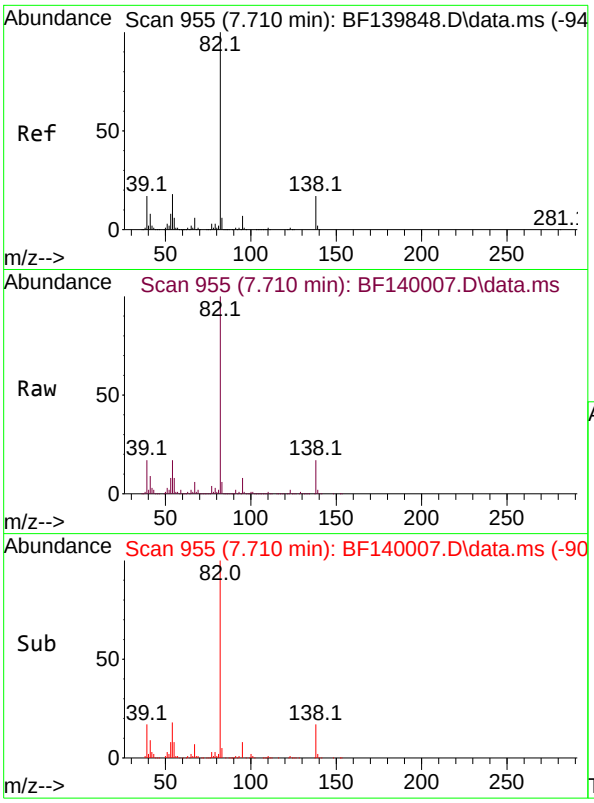


#24
Nitrobenzene
Concen: 50.996 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 77 Resp: 340321

Ion	Ratio	Lower	Upper
77	100		
123	45.2	35.7	53.5
65	14.4	11.5	17.3



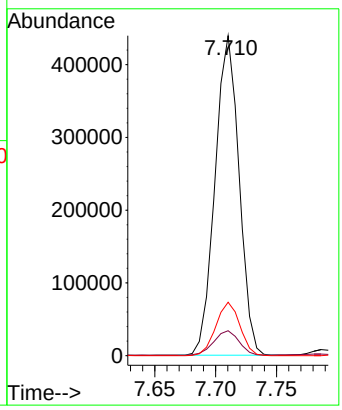


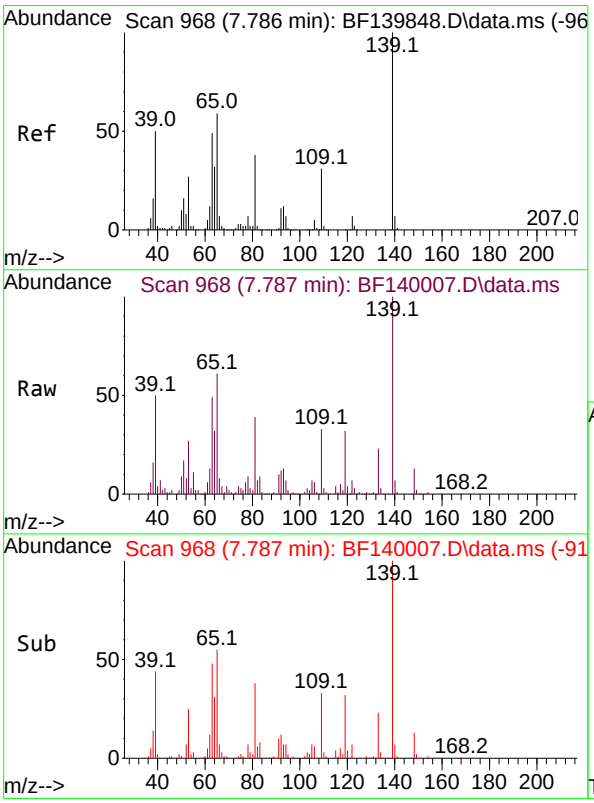
#25
Isophorone
Concen: 52.187 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 82 Resp: 602896

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.5	8.3
138	16.7	13.2	19.8

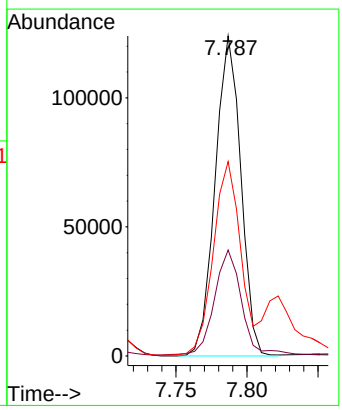


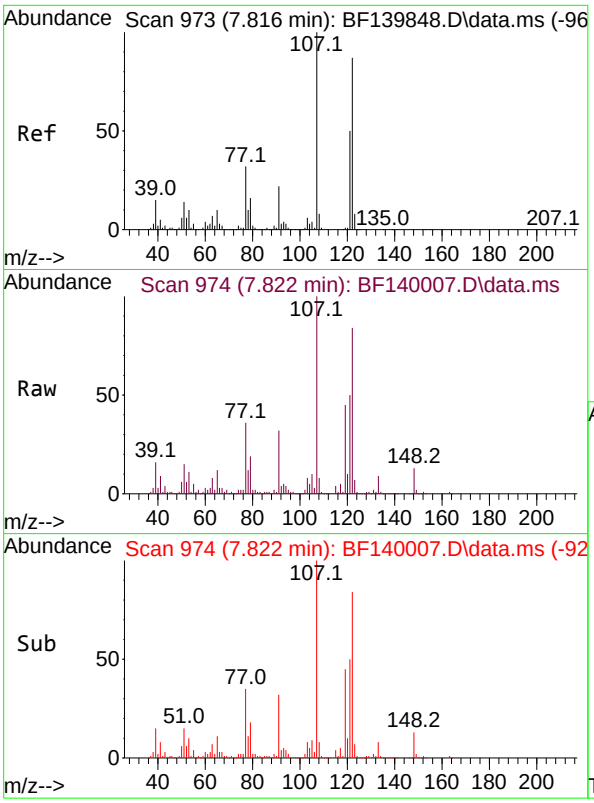


#26
2-Nitrophenol
Concen: 61.872 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:139 Resp: 155768

Ion	Ratio	Lower	Upper
139	100		
109	33.1	25.1	37.7
65	60.7	47.5	71.3



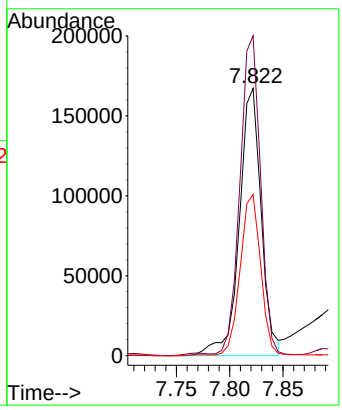


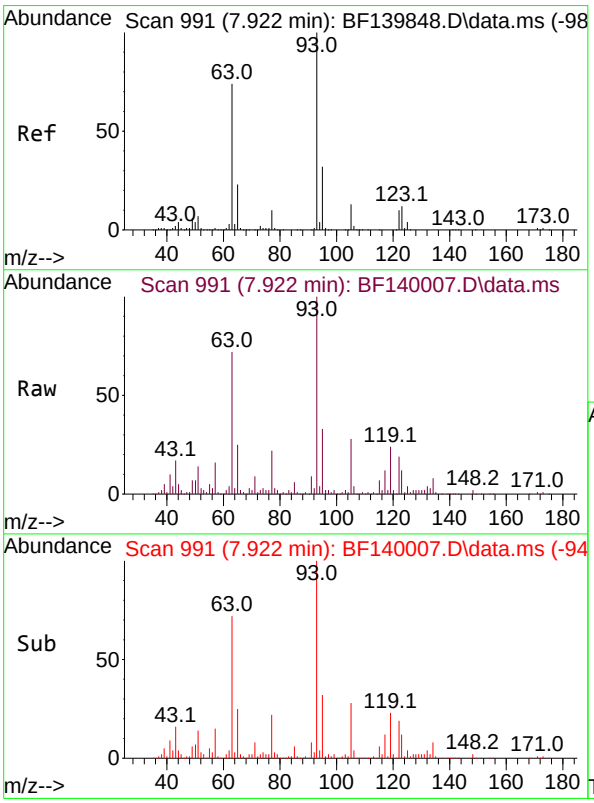
#27
2,4-Dimethylphenol
Concen: 57.033 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:122 Resp: 239425

Ion	Ratio	Lower	Upper
122	100		
107	119.7	91.9	137.9
121	60.2	46.2	69.4

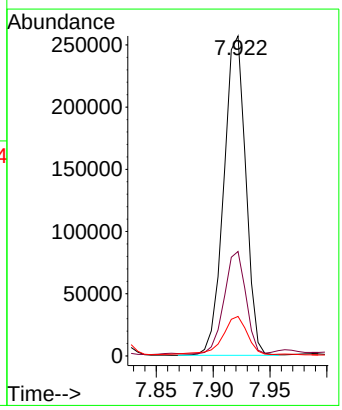


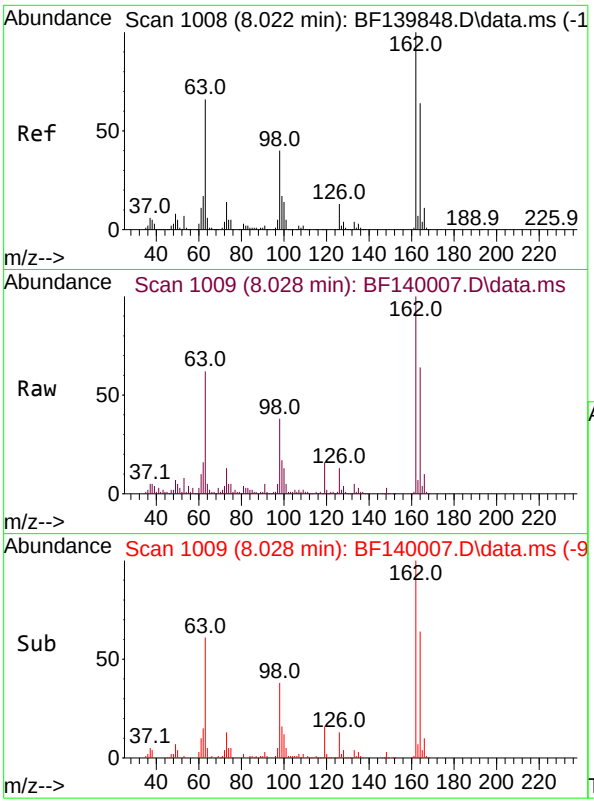


#28
bis(2-Chloroethoxy)methane
Concen: 49.293 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 93 Resp: 345019

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	12.3	9.8	14.8



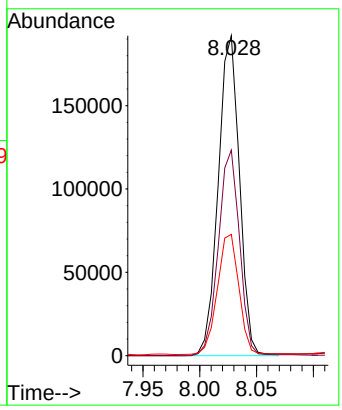


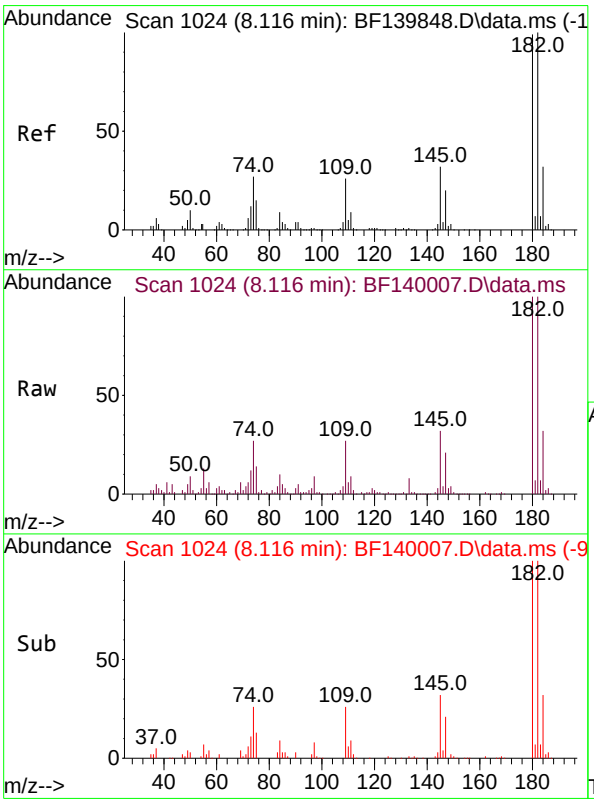
#29
2,4-Dichlorophenol
Concen: 52.289 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:162 Resp: 250024

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.9	83.9
98	37.9	19.9	59.9

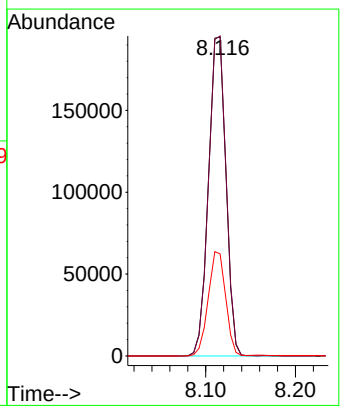


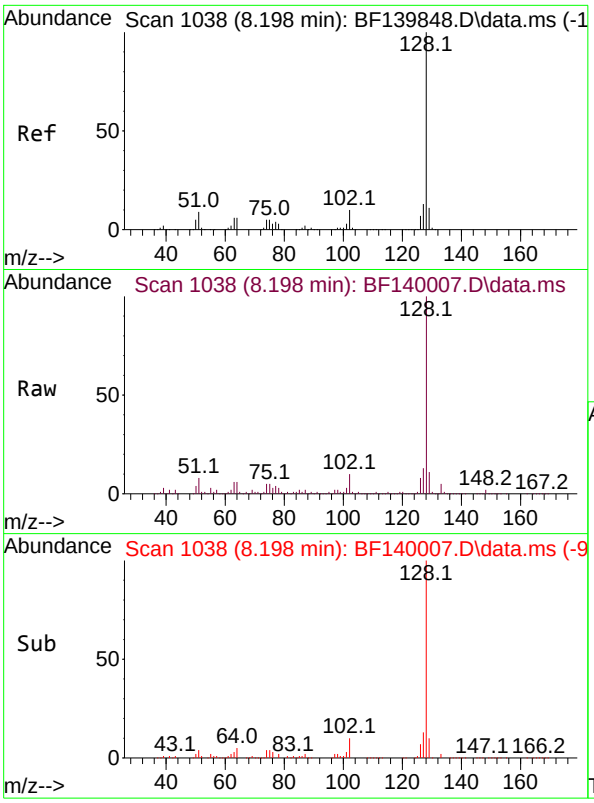


#30
1,2,4-Trichlorobenzene
Concen: 49.801 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:180 Resp: 263493

Ion	Ratio	Lower	Upper
180	100		
182	100.4	80.5	120.7
145	32.0	25.4	38.0



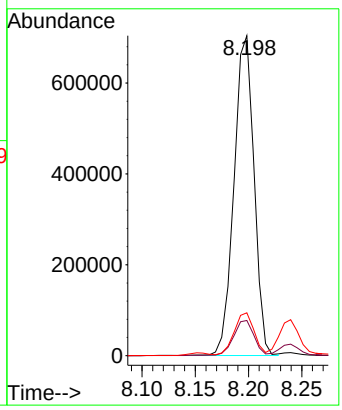


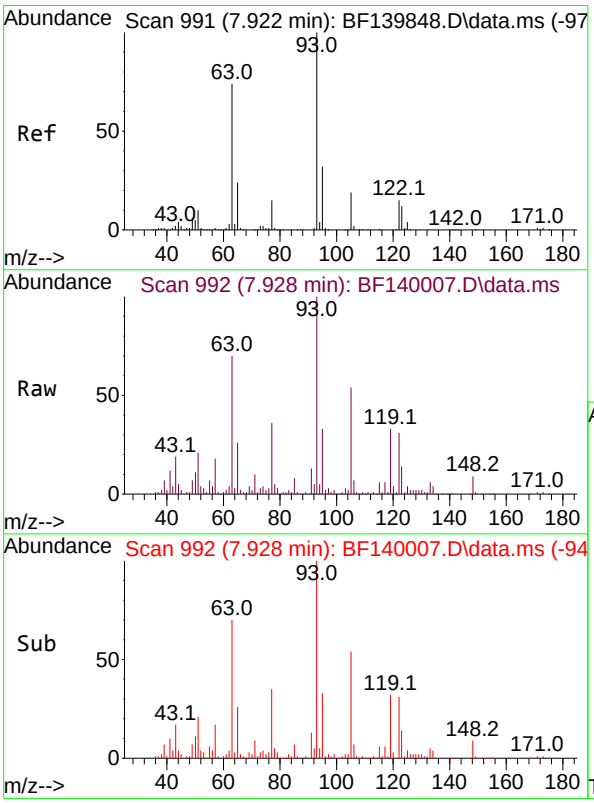
#31
Naphthalene
Concen: 52.919 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:128 Resp: 920714

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.6	16.0

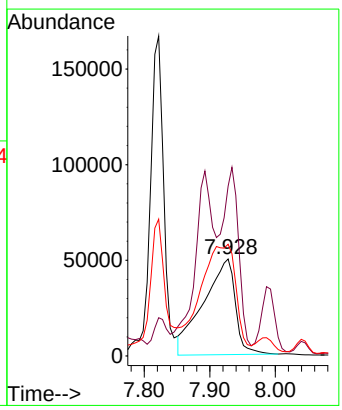


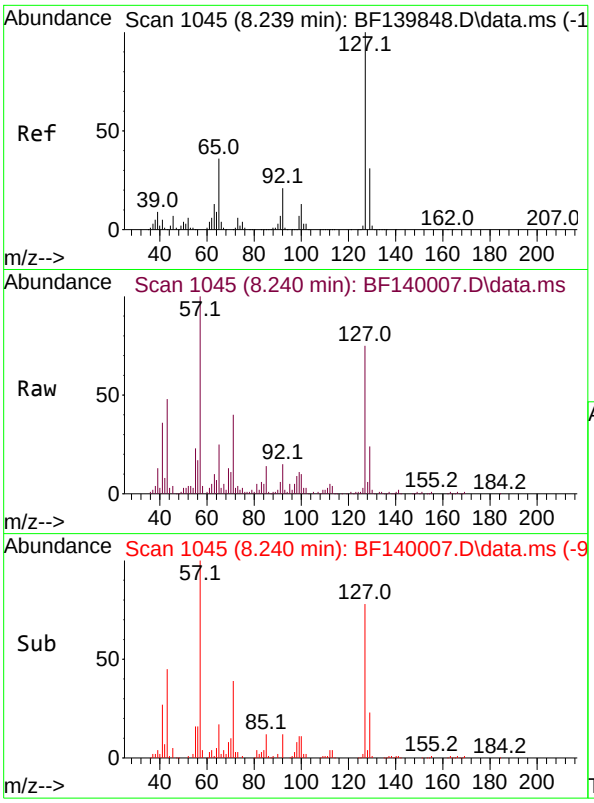


#32
Benzoic acid
Concen: 46.416 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:122 Resp: 169951

Ion	Ratio	Lower	Upper
122	100		
105	175.1	107.6	147.6#
77	115.2	80.2	120.2



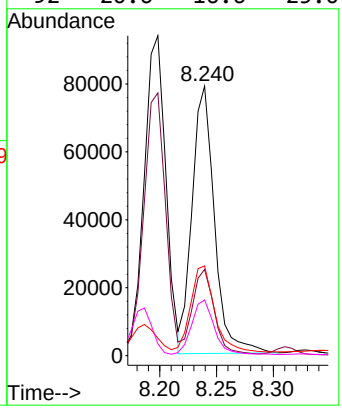


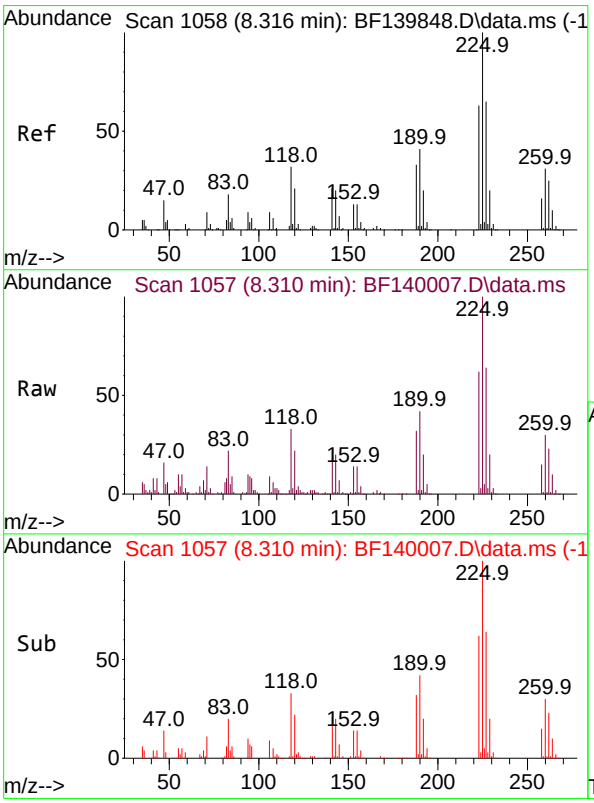
#33
4-Chloroaniline
Concen: 18.200 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:127 Resp: 107977

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.2
65	33.3	28.4	42.6
92	20.6	16.6	25.0

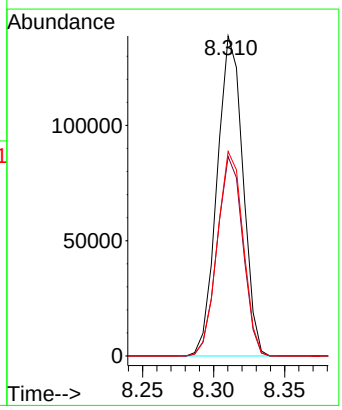


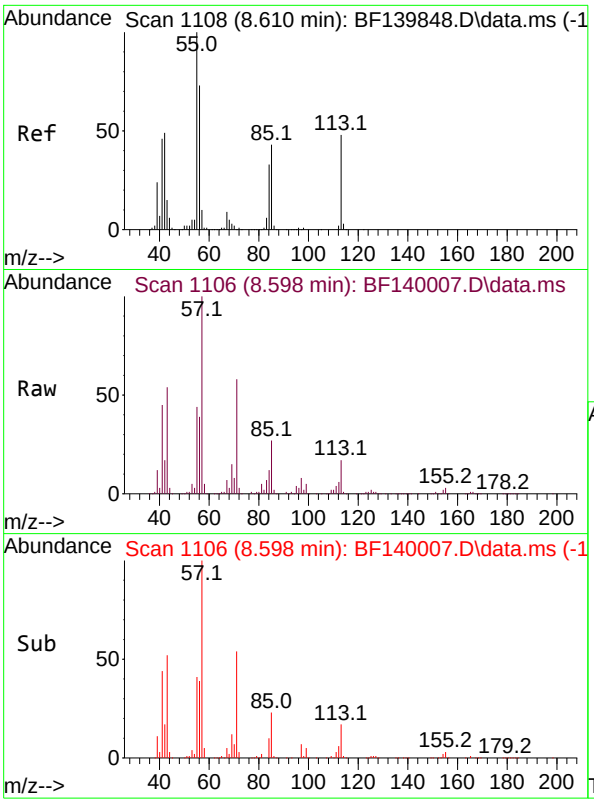


#34
Hexachlorobutadiene
Concen: 52.821 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:225 Resp: 175596

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	76.0
227	63.9	51.8	77.8



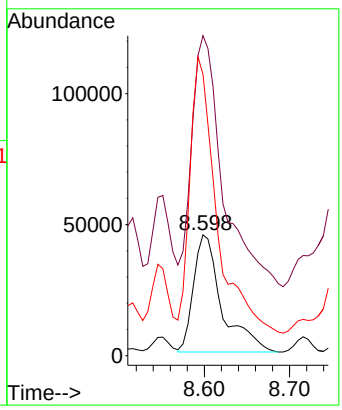


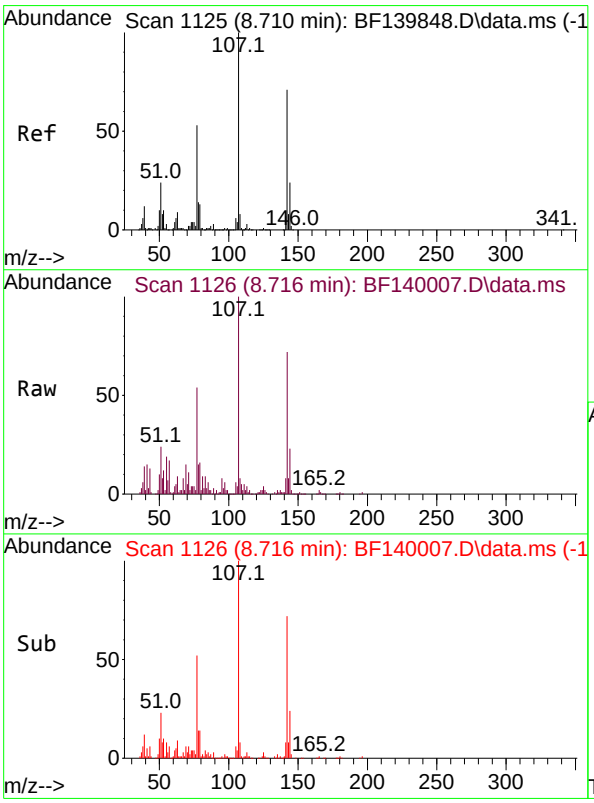
#35
Caprolactam
Concen: 67.976 ng
RT: 8.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:113 Resp: 103349

Ion	Ratio	Lower	Upper
113	100		
55	264.9	189.2	229.2#
56	233.0	132.5	172.5#

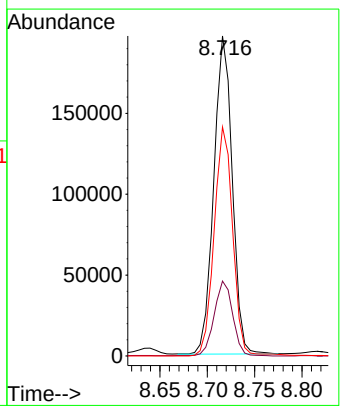


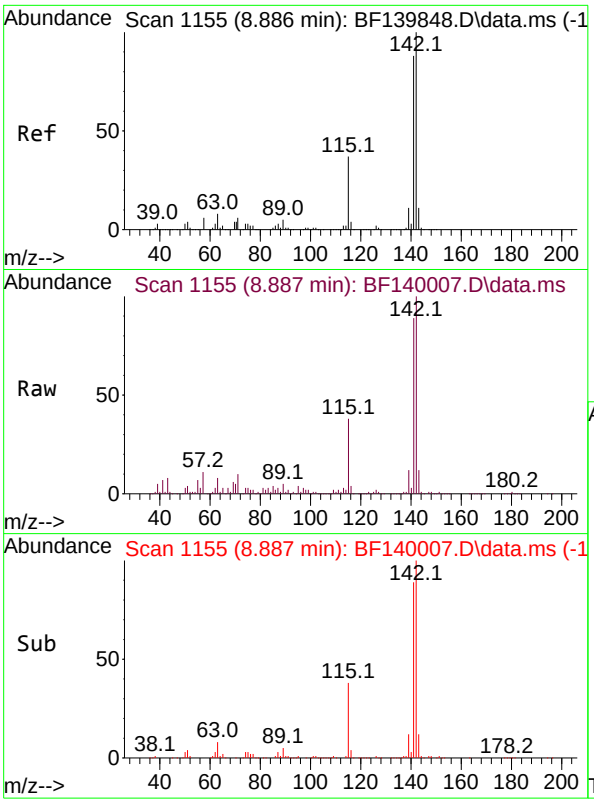


#36
4-Chloro-3-methylphenol
Concen: 50.300 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:107 Resp: 266317

Ion	Ratio	Lower	Upper
107	100		
144	23.4	19.1	28.7
142	71.5	57.2	85.8



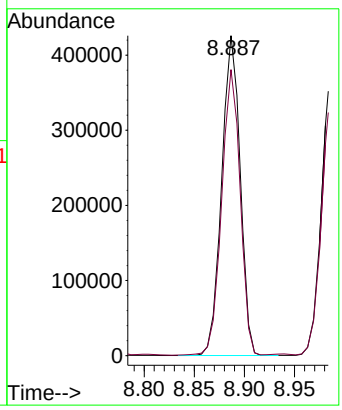


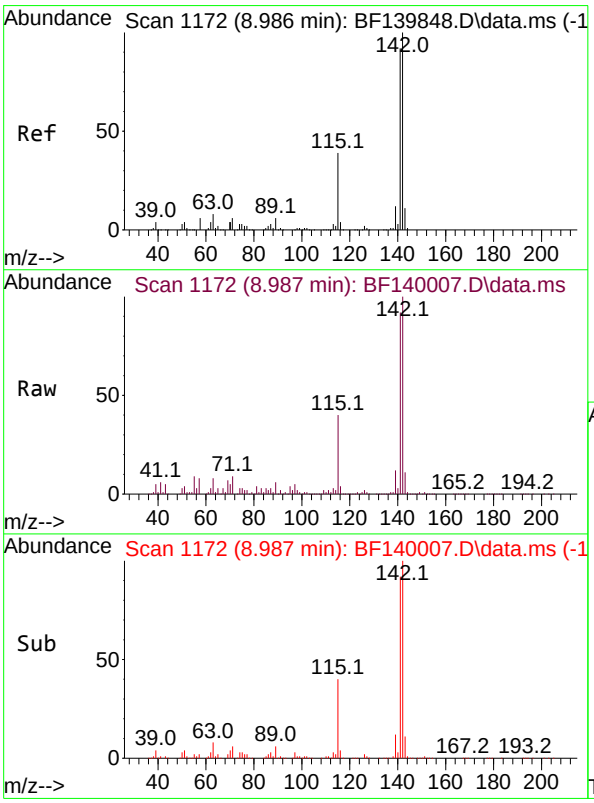
#37
2-Methylnaphthalene
Concen: 51.155 ng
RT: 8.887 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:142 Resp: 545080

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2

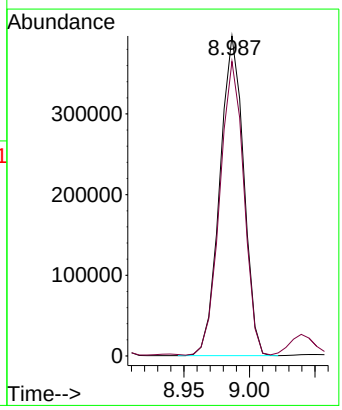


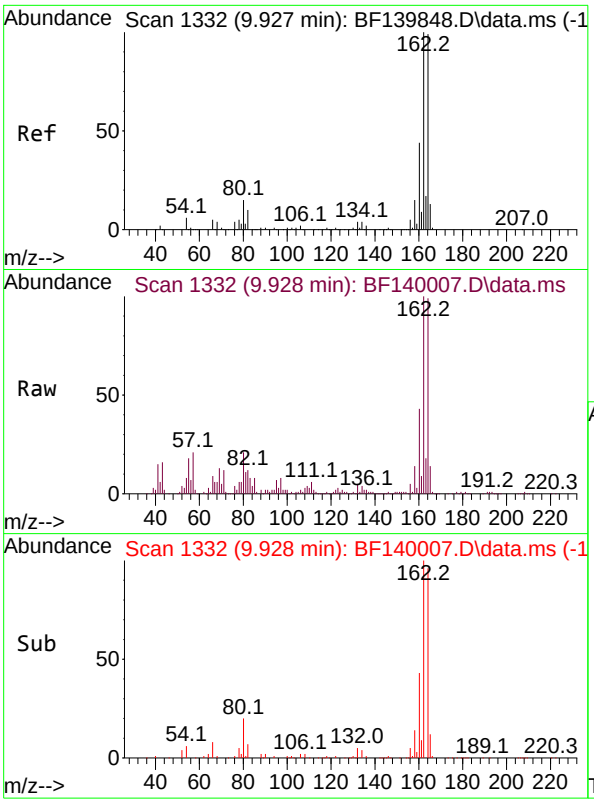


#38
1-Methylnaphthalene
Concen: 47.941 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:142 Resp: 501190

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3



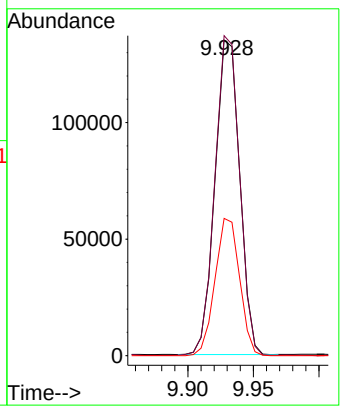


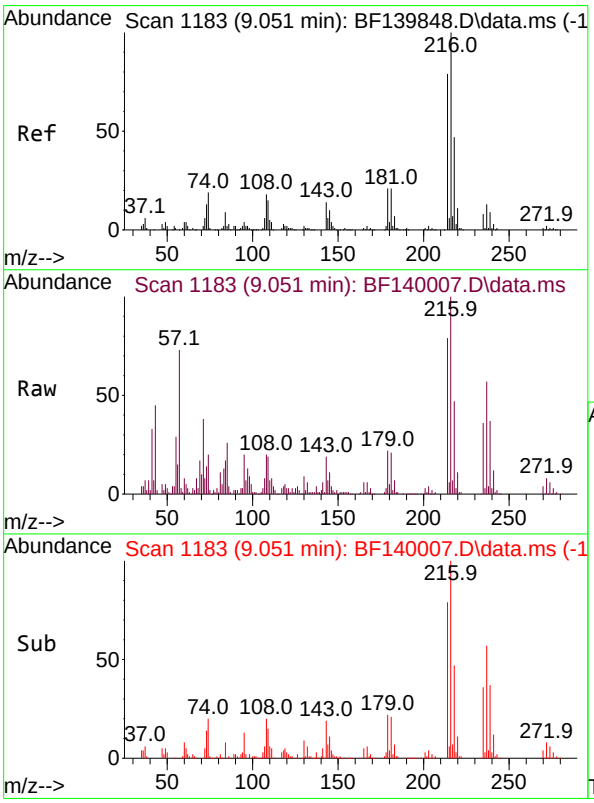
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:164 Resp: 176753

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.4
160	43.5	35.4	53.0

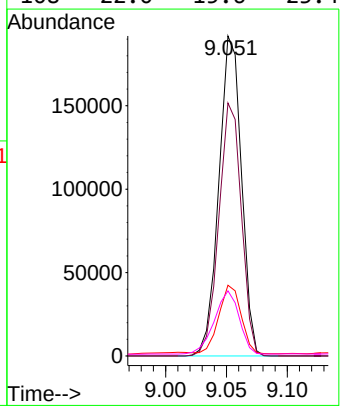


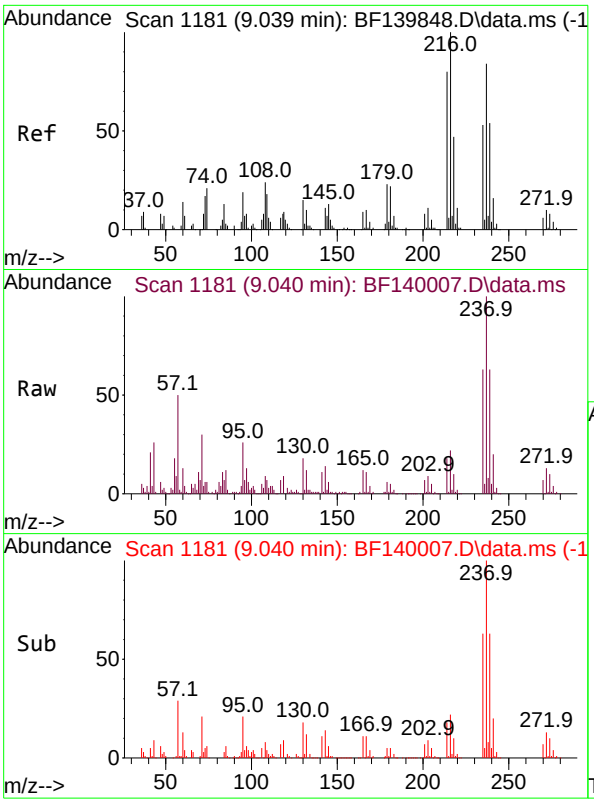


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.921 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:216 Resp: 247588

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.4	95.0
179	21.3	17.2	25.8
108	22.0	15.6	23.4



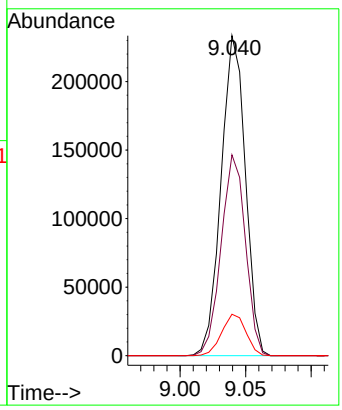


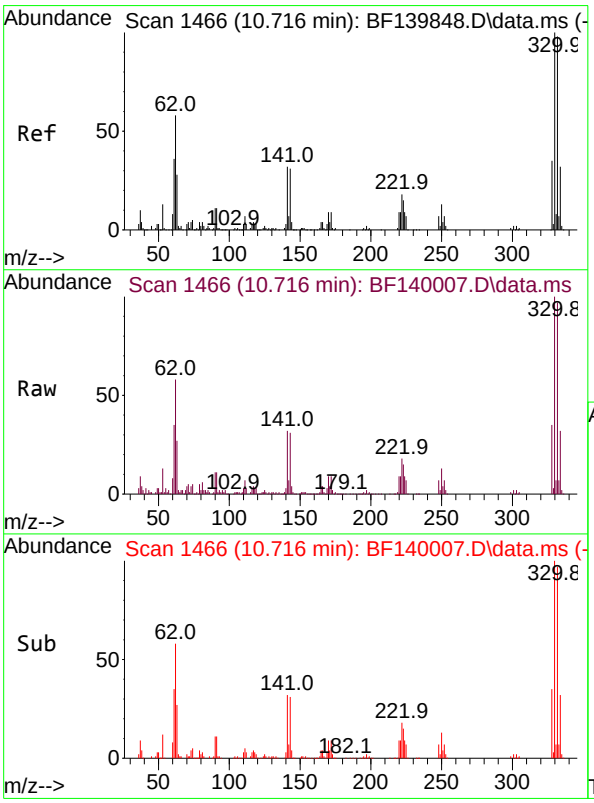
#41
Hexachlorocyclopentadiene
Concen: 181.102 ng
RT: 9.040 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:237 Resp: 300488

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.9	82.9
272	13.0	0.0	32.3

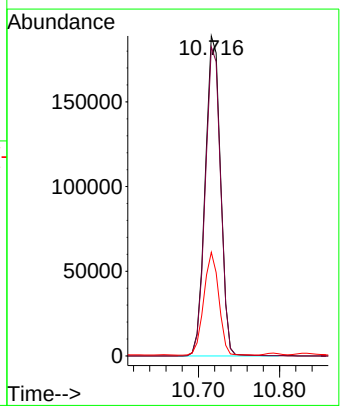


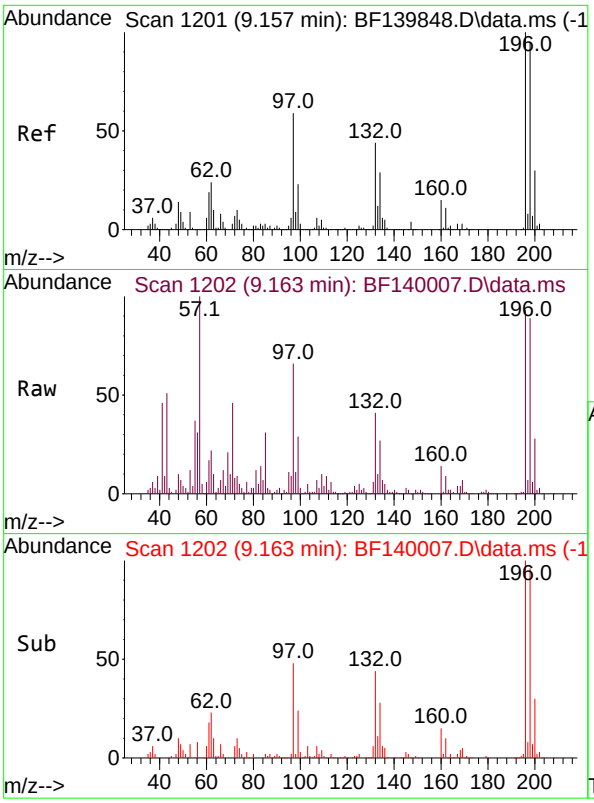


#42
2,4,6-Tribromophenol
Concen: 149.404 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:330 Resp: 247008

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.1	117.1
141	31.4	26.6	39.8



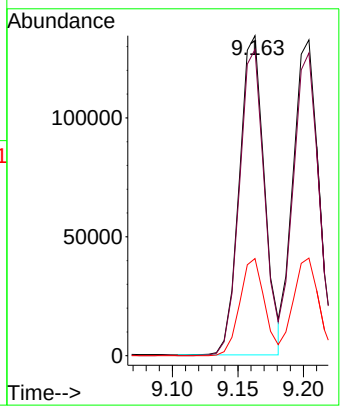


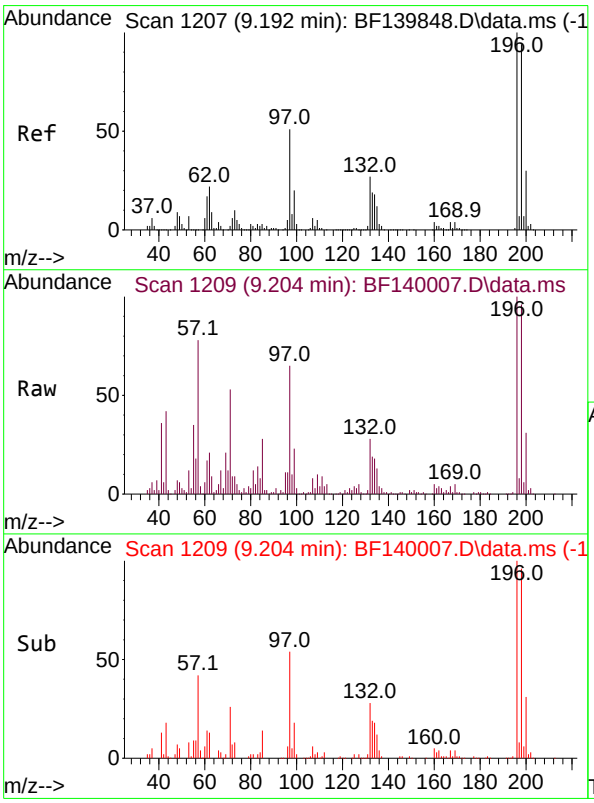
#43
2,4,6-Trichlorophenol
Concen: 52.825 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:196 Resp: 178341

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
200	30.3	24.0	36.0

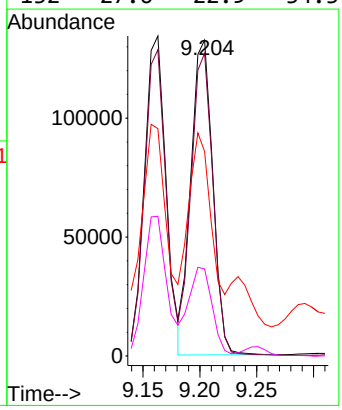


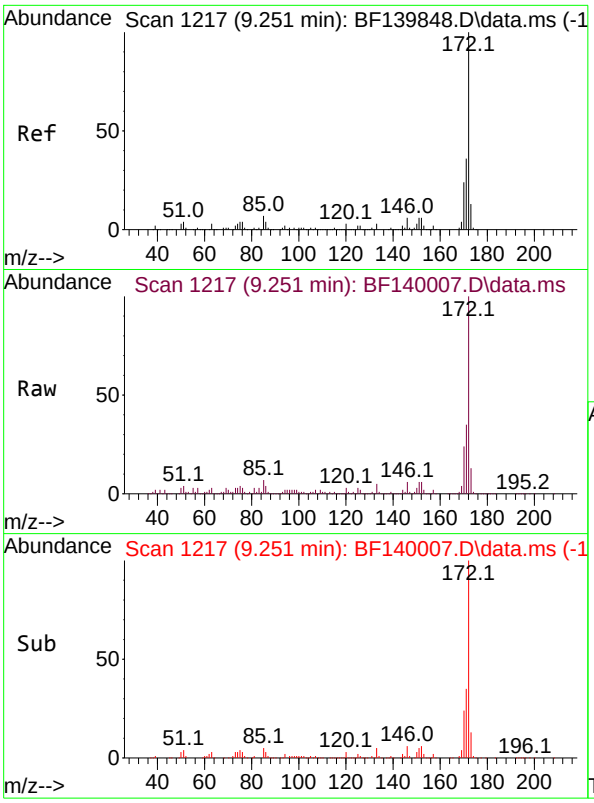


#44
2,4,5-Trichlorophenol
Concen: 51.079 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:196 Resp: 177917

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.8	113.6
97	64.7	41.8	62.6#
132	27.6	22.9	34.3



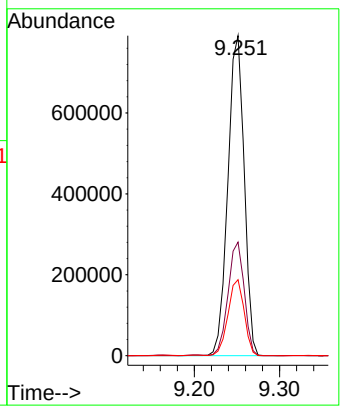


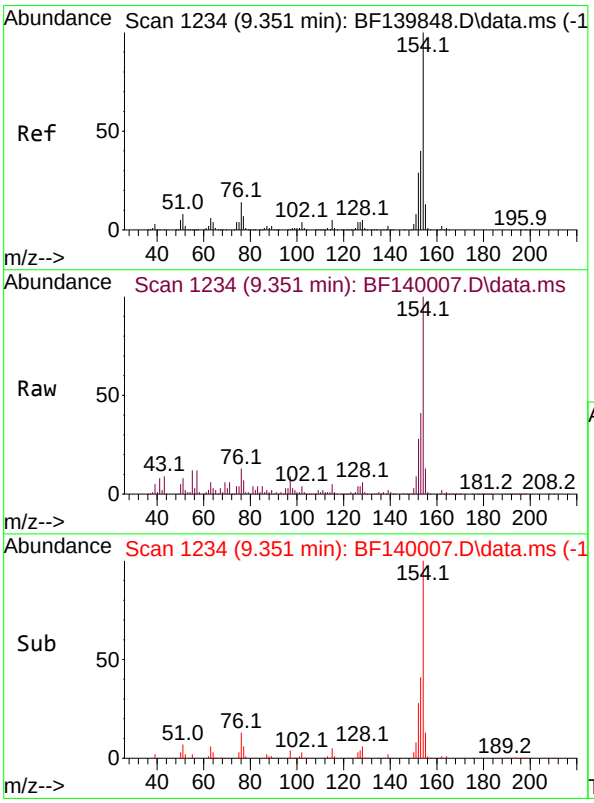
#45
2-Fluorobiphenyl
Concen: 98.276 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:172 Resp: 1051039

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.8	19.1	28.7

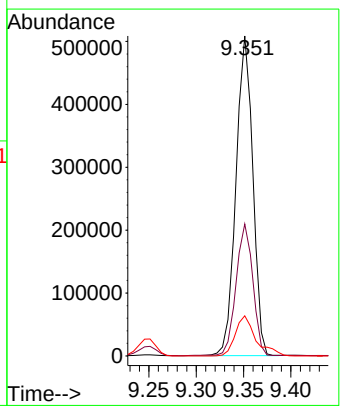


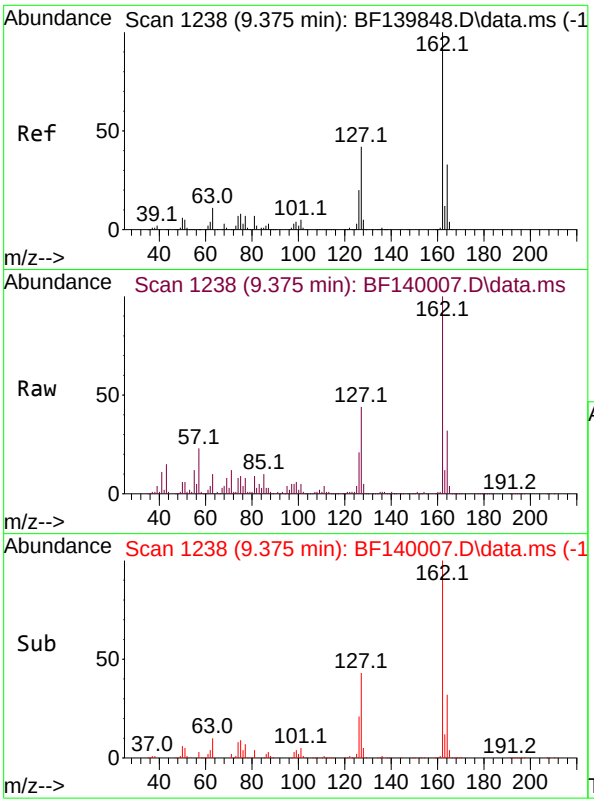


#46
1,1'-Biphenyl
Concen: 51.029 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:154 Resp: 627889

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.3	60.3
76	12.6	0.0	33.9



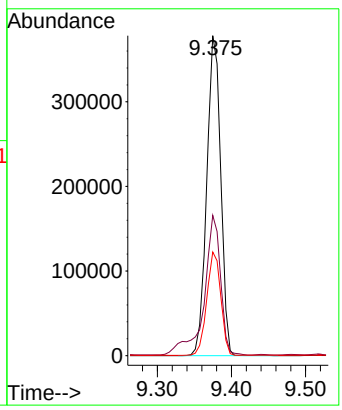


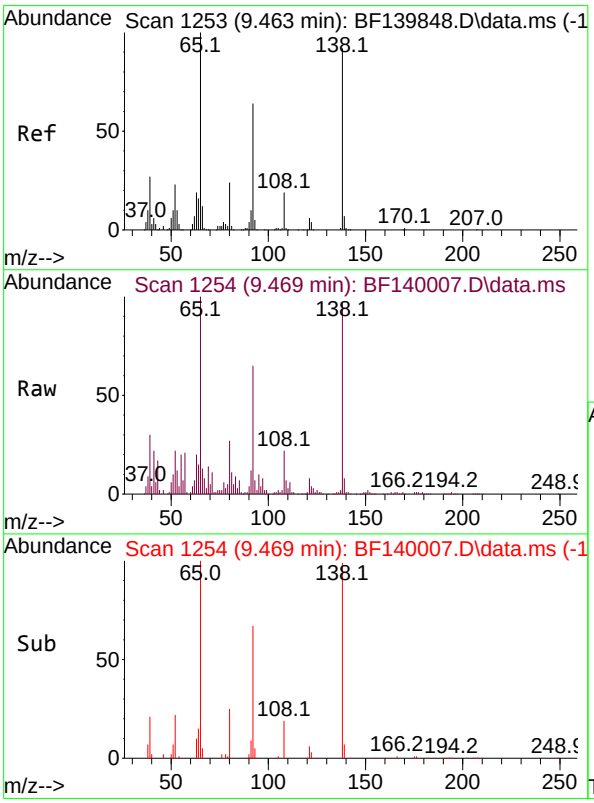
#47
2-Chloronaphthalene
Concen: 49.872 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:162 Resp: 494241

Ion	Ratio	Lower	Upper
162	100		
127	43.8	33.8	50.6
164	32.4	26.6	39.8

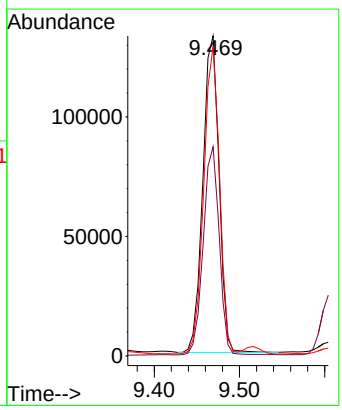


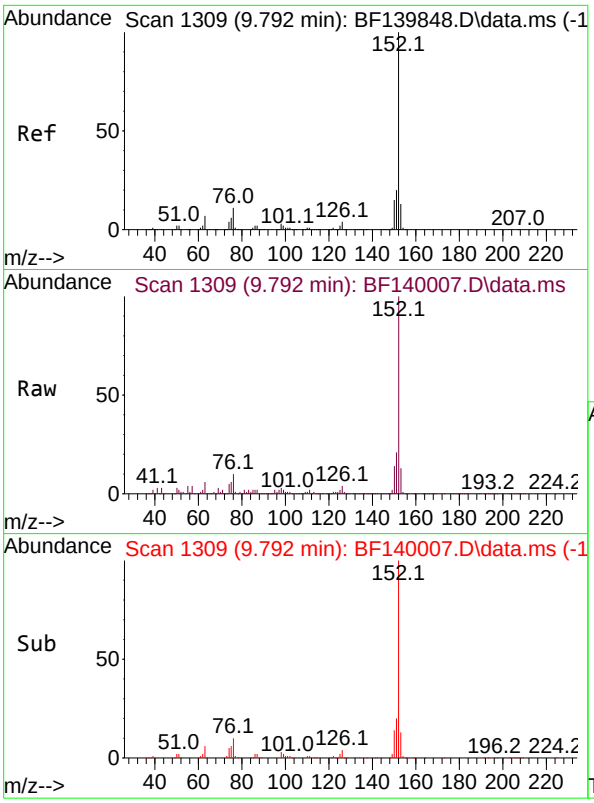


#48
2-Nitroaniline
Concen: 57.532 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion: 65 Resp: 174378

Ion	Ratio	Lower	Upper
65	100		
92	65.4	50.9	76.3
138	96.7	73.4	110.0



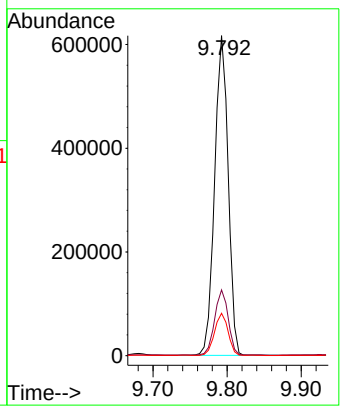


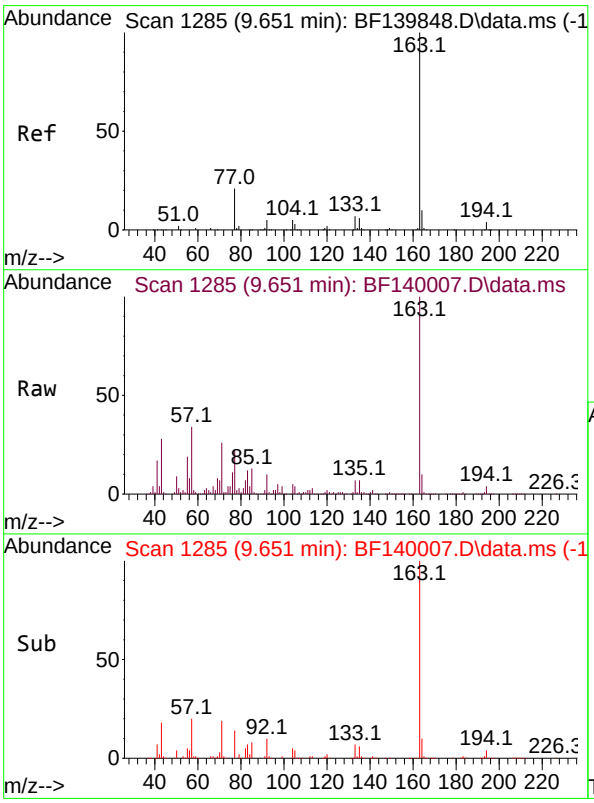
#49
Acenaphthylene
Concen: 54.571 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:152 Resp: 781851

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.3	10.7	16.1

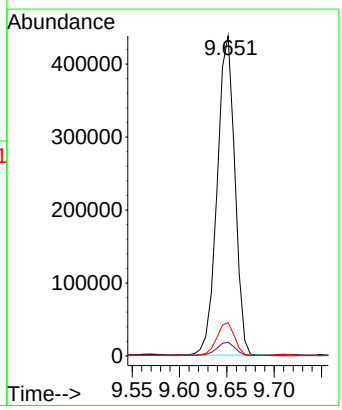


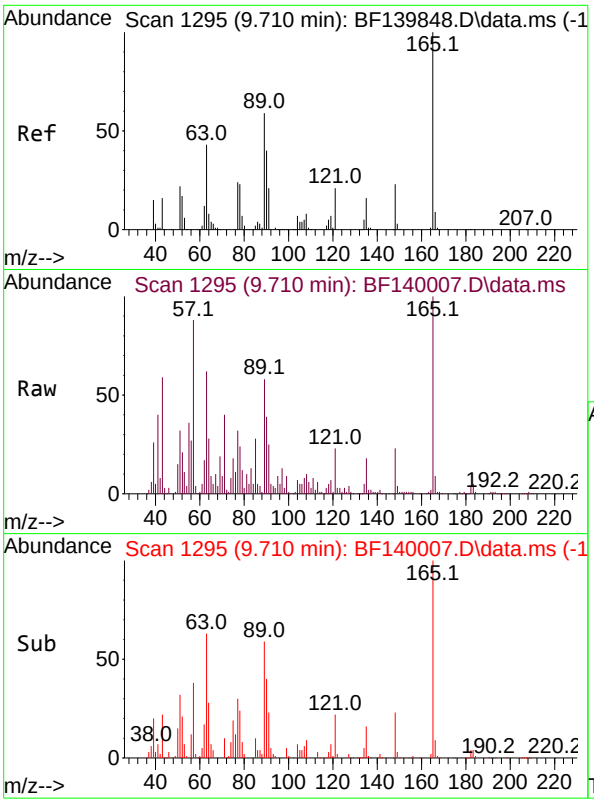


#50
Dimethylphthalate
Concen: 51.541 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:163 Resp: 567442

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.4	8.2	12.2



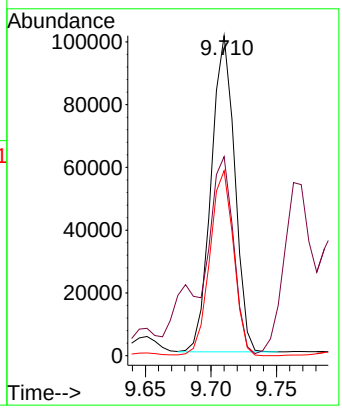


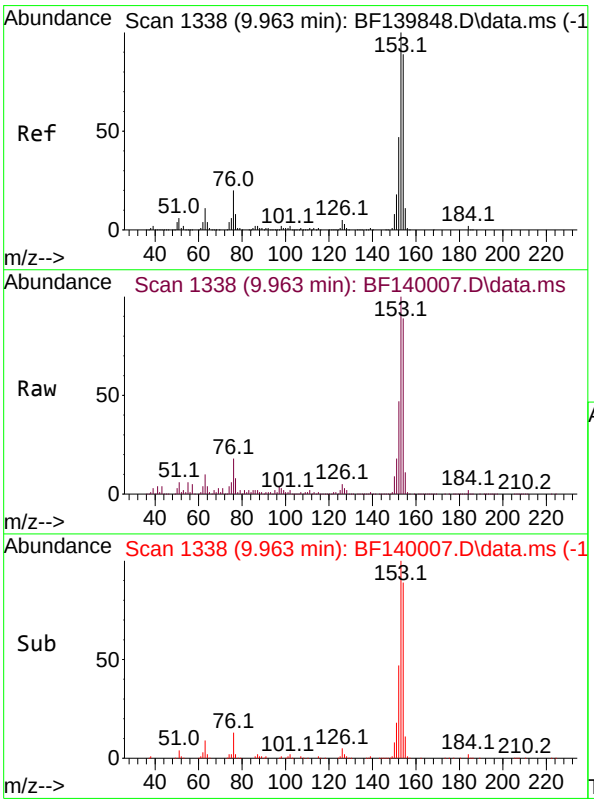
#51
2,6-Dinitrotoluene
Concen: 52.675 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:165 Resp: 125567

Ion	Ratio	Lower	Upper
165	100		
63	62.2	50.6	75.8
89	57.8	47.5	71.3

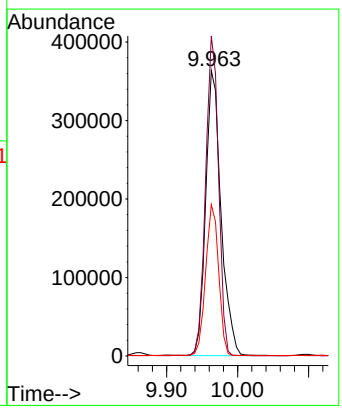


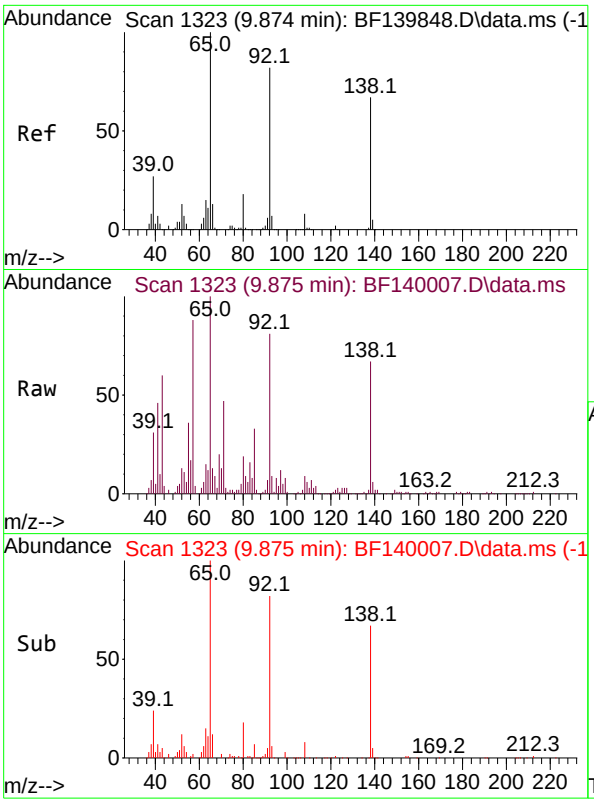


#52
Acenaphthene
Concen: 58.964 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:154 Resp: 546490

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.8	134.6
152	53.1	42.4	63.6



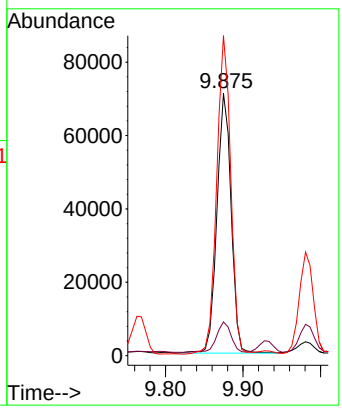


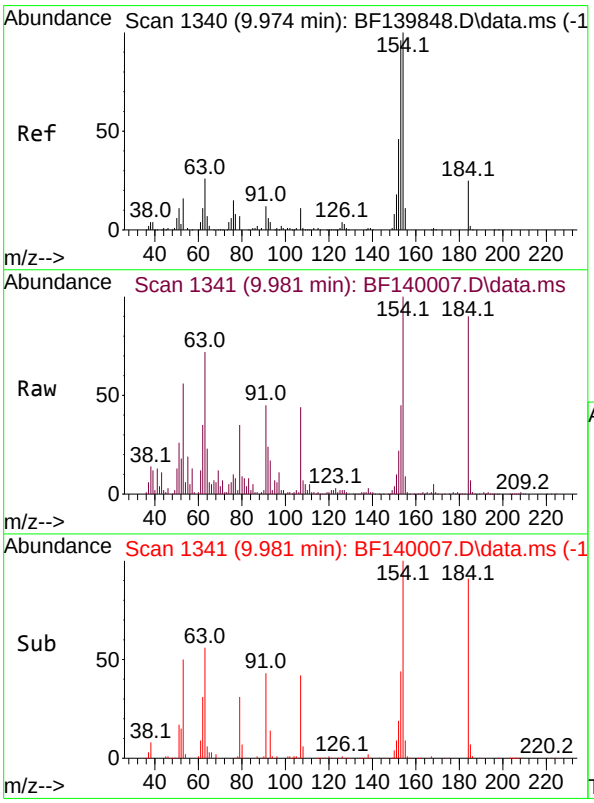
#53
3-Nitroaniline
Concen: 36.512 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:138 Resp: 89755

Ion	Ratio	Lower	Upper
138	100		
108	12.9	10.2	15.2
92	122.0	98.3	147.5

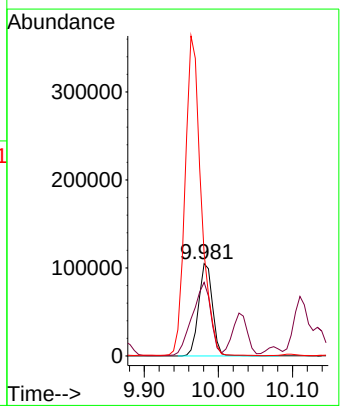


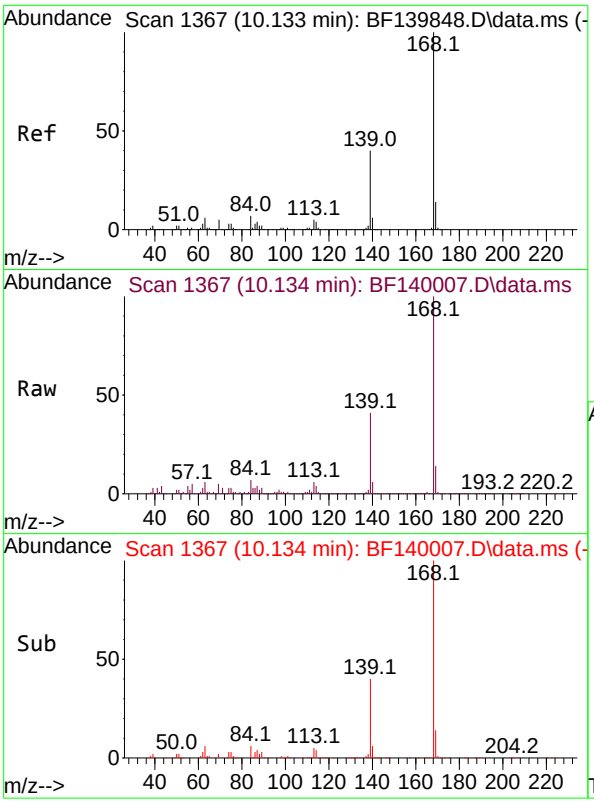


#54
2,4-Dinitrophenol
Concen: 133.016 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.007 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:184 Resp: 136407

Ion	Ratio	Lower	Upper
184	100		
63	79.7	84.7	127.1#
154	110.9	338.2	507.2#



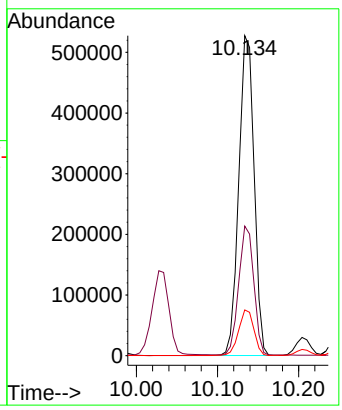


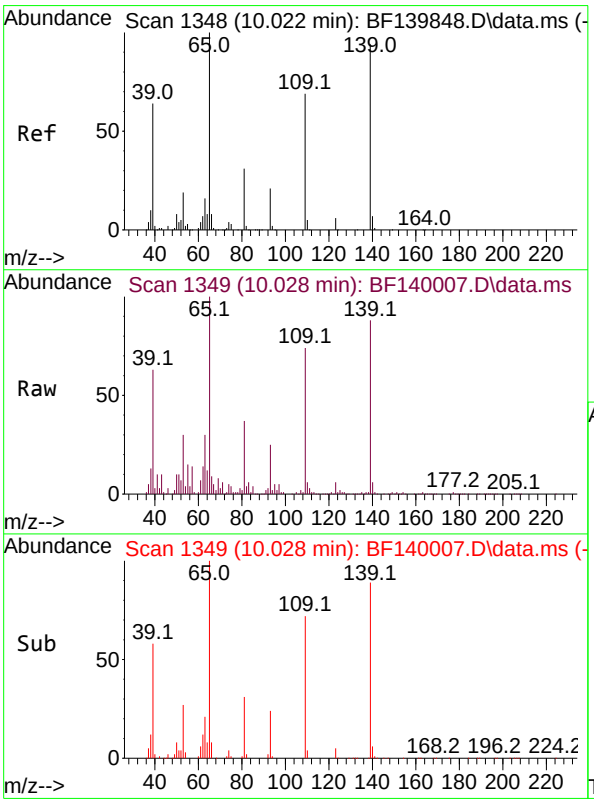
#55
Dibenzofuran
Concen: 52.016 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:168 Resp: 691704

Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.8	47.6
169	14.3	11.6	17.4

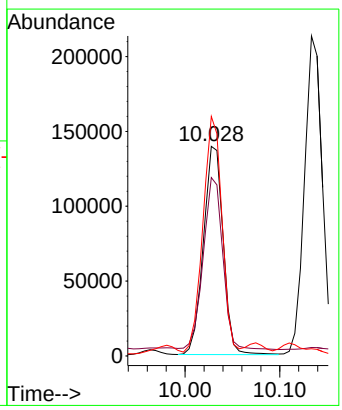


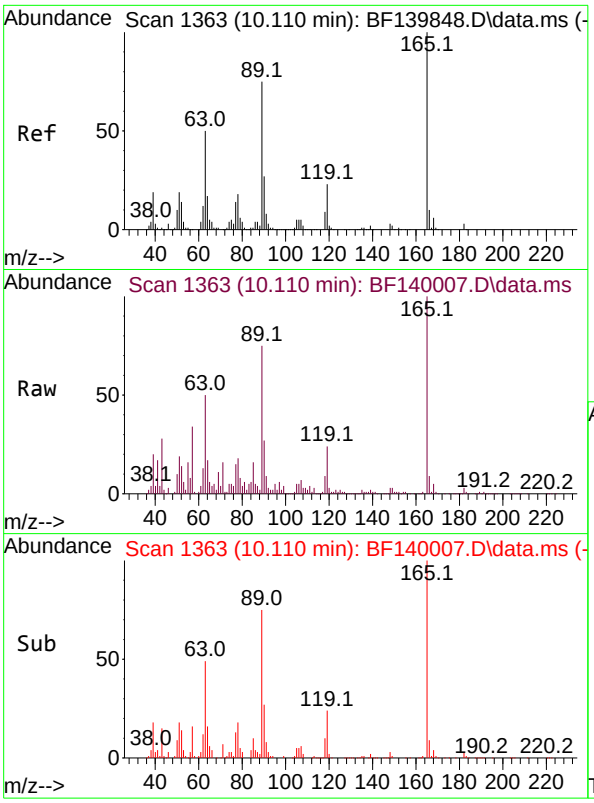


#56
4-Nitrophenol
Concen: 106.293 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:139 Resp: 201029

Ion	Ratio	Lower	Upper
139	100		
109	85.1	53.6	93.6
65	114.3	87.8	127.8



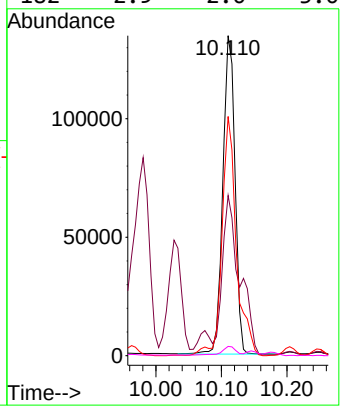


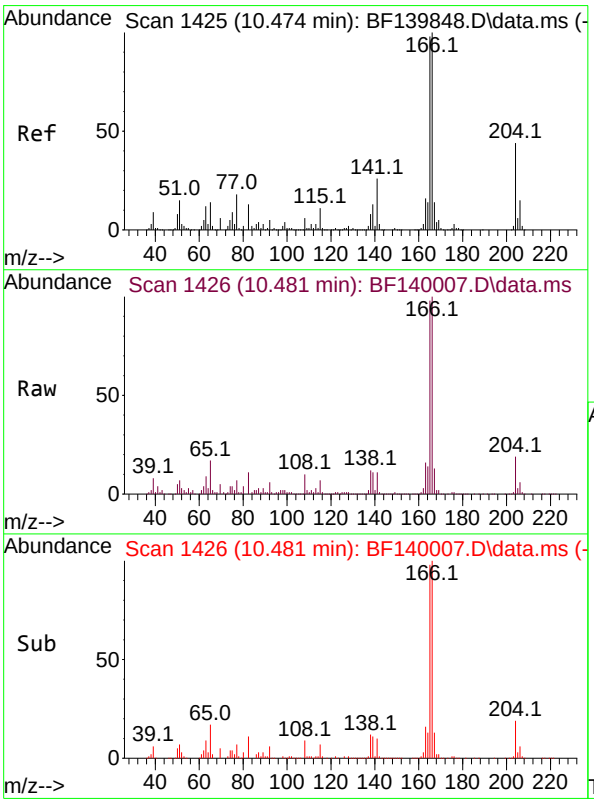
#57
2,4-Dinitrotoluene
Concen: 58.808 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:165 Resp: 172391

Ion	Ratio	Lower	Upper
165	100		
63	50.1	40.1	60.1
89	74.7	60.4	90.6
182	2.9	2.0	3.0

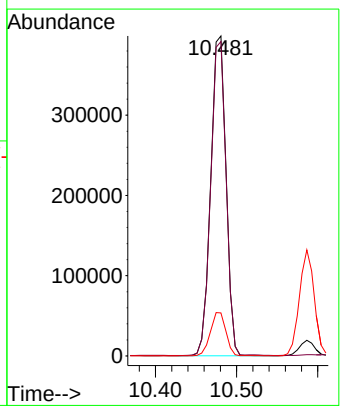


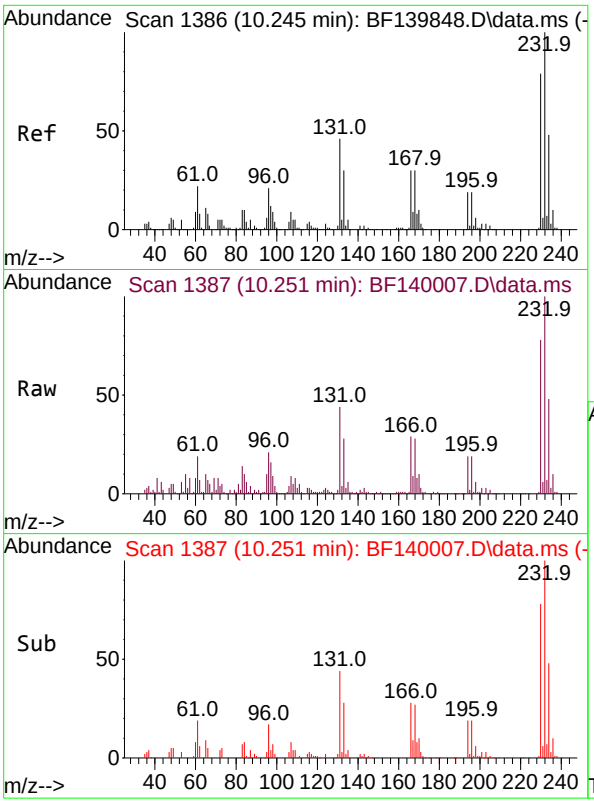


#58
Fluorene
Concen: 51.447 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:166 Resp: 521069

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.5	117.7
167	13.4	10.9	16.3



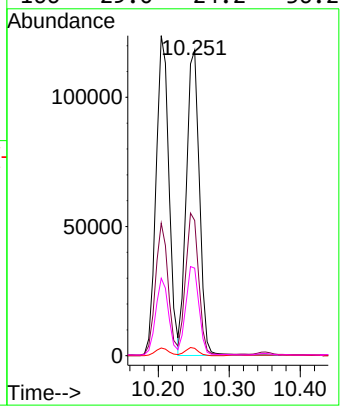


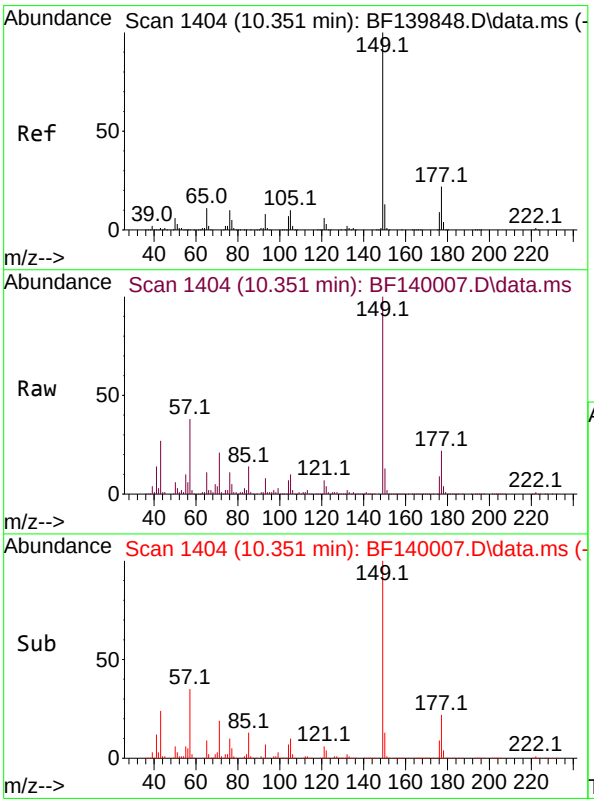
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.355 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:232 Resp: 151151

Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.0	55.6
130	2.6	1.9	2.9
166	29.0	24.2	36.2

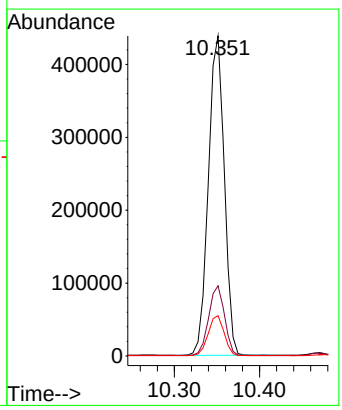


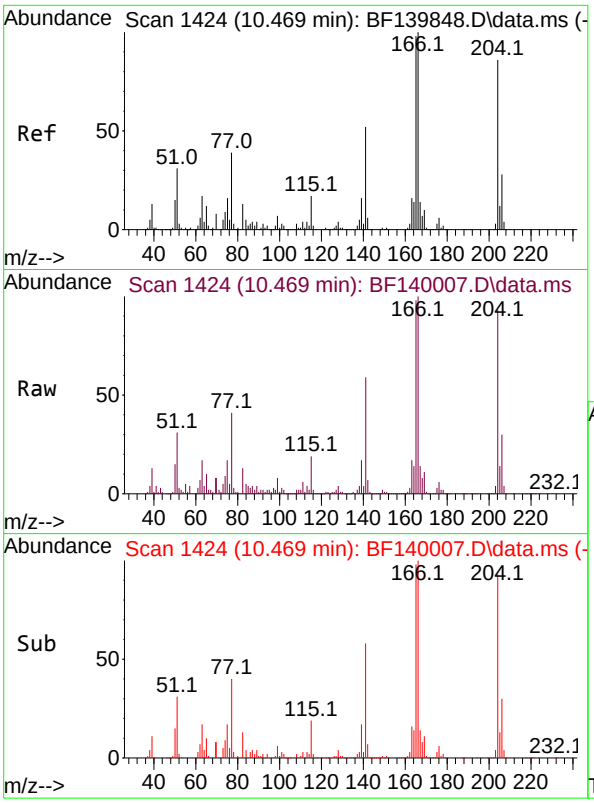


#60
Diethylphthalate
Concen: 52.685 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:149 Resp: 569509

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.9	26.9
150	12.6	10.1	15.1



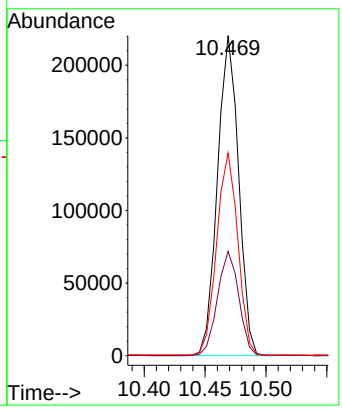


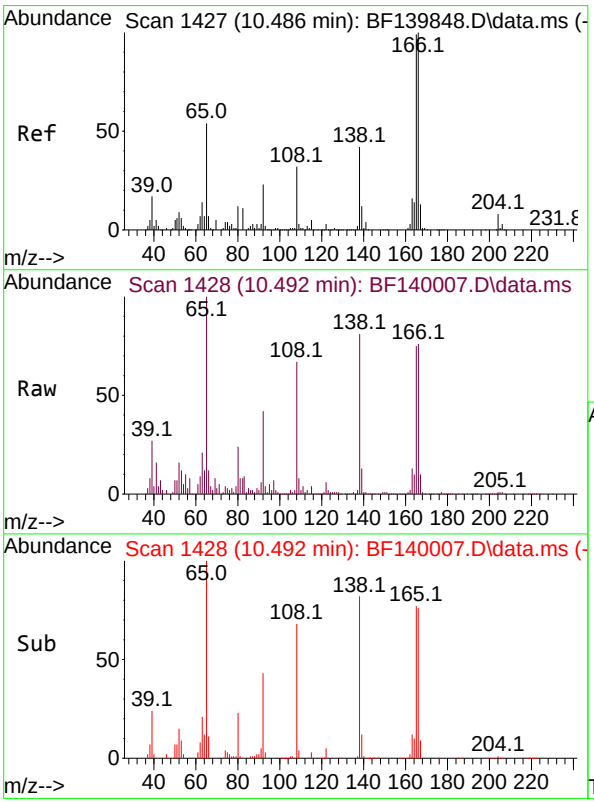
#61
4-Chlorophenyl-phenylether
Concen: 52.104 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:204 Resp: 266504

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	63.3	48.6	73.0

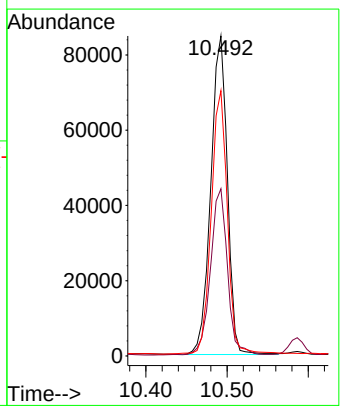


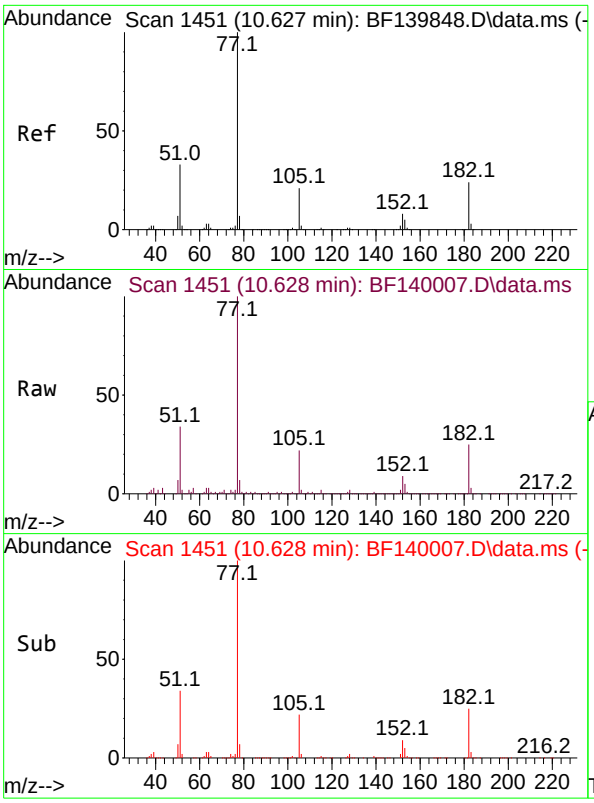


#62
4-Nitroaniline
Concen: 51.697 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:138 Resp: 120028

Ion	Ratio	Lower	Upper
138	100		
92	52.2	35.7	75.7
108	82.9	57.5	97.5



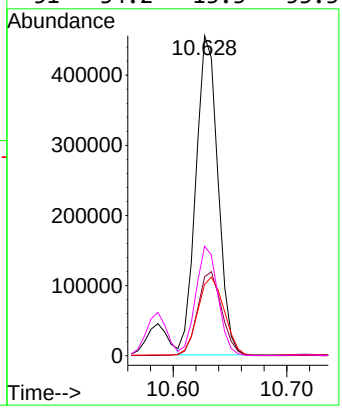


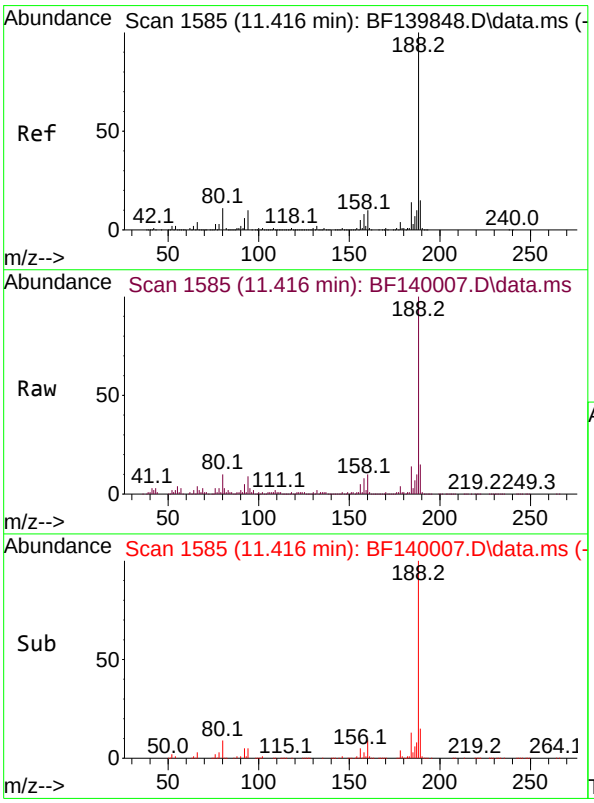
#63
Azobenzene
Concen: 53.537 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion: 77 Resp: 613537

Ion	Ratio	Lower	Upper
77	100		
182	24.7	3.3	43.3
105	22.3	1.2	41.2
51	34.2	13.3	53.3

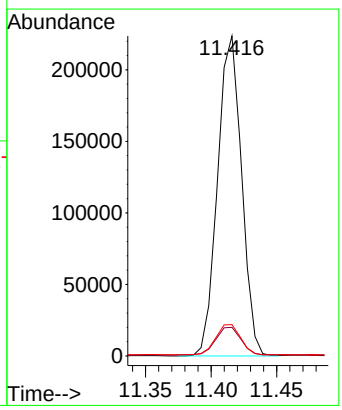


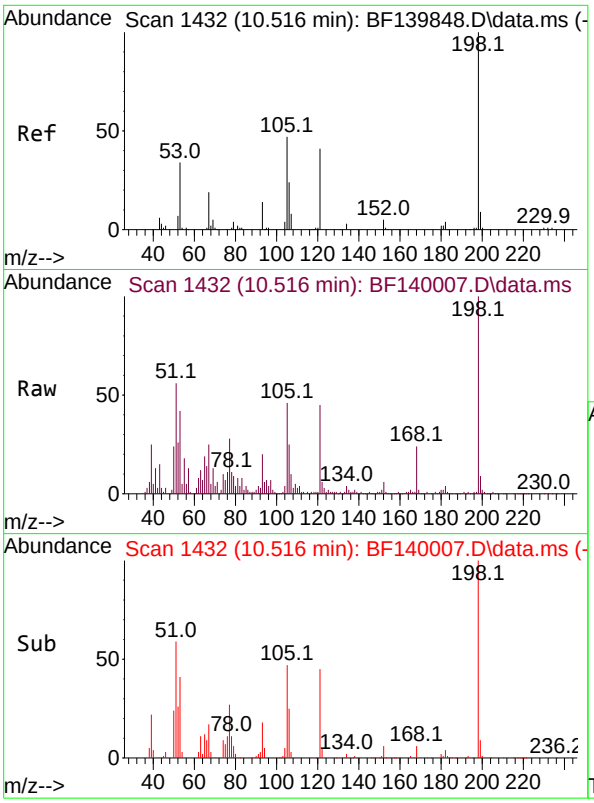


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:188 Resp: 285247

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.9	11.9
80	9.8	9.0	13.4



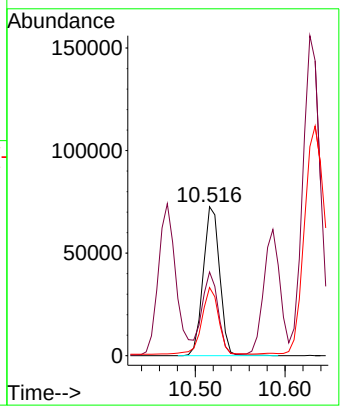


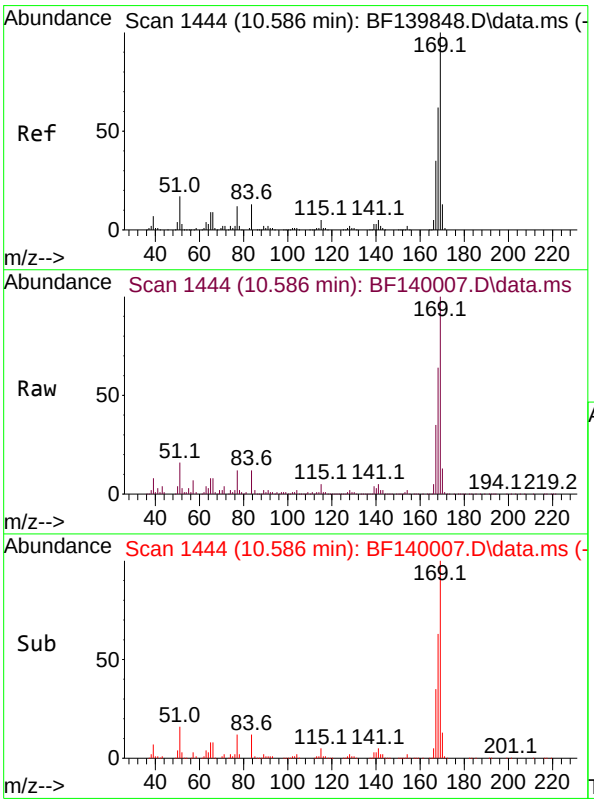
#65
4,6-Dinitro-2-methylphenol
Concen: 79.637 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:198 Resp: 92659

Ion	Ratio	Lower	Upper
198	100		
51	56.2	38.2	78.2
105	45.7	27.9	67.9

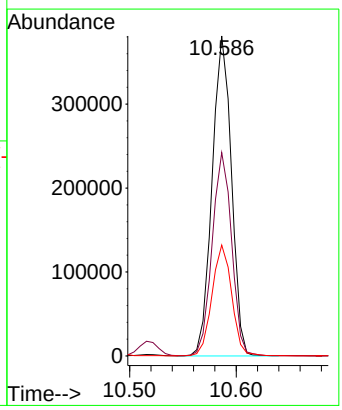


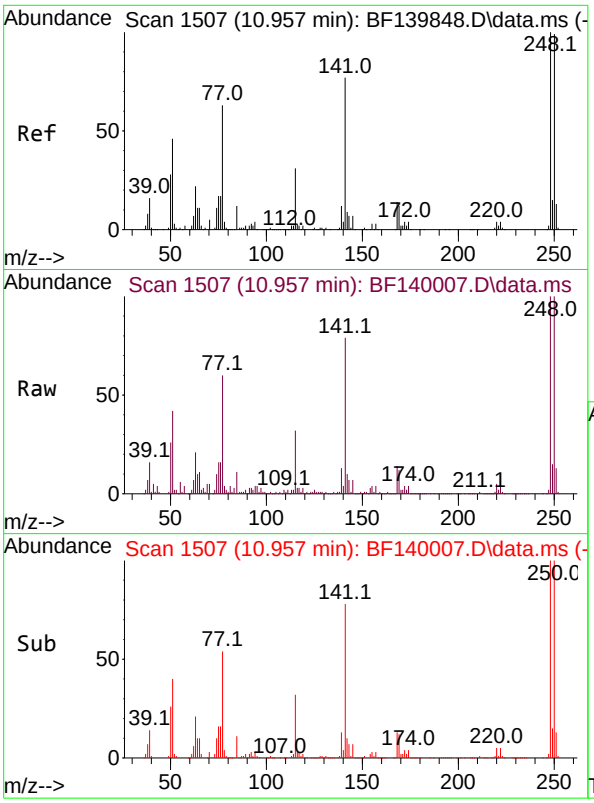


#66
n-Nitrosodiphenylamine
Concen: 56.141 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:169 Resp: 479294

Ion	Ratio	Lower	Upper
169	100		
168	63.5	49.8	74.6
167	34.7	28.0	42.0



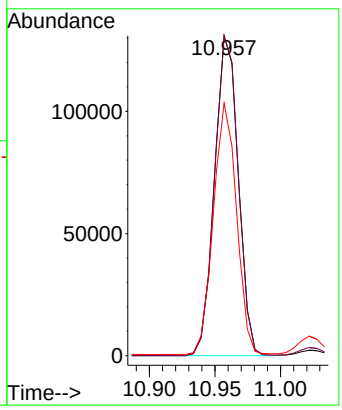


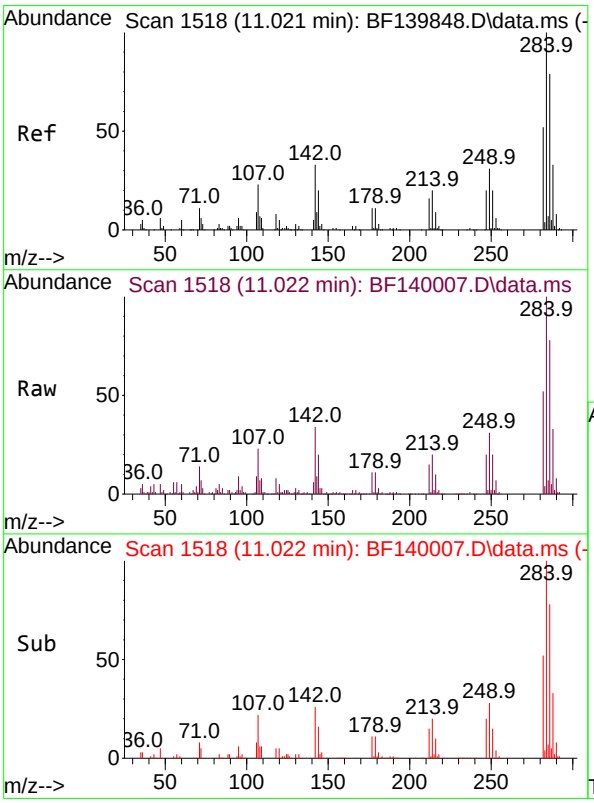
#67
4-Bromophenyl-phenylether
Concen: 55.919 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:248 Resp: 164323

Ion	Ratio	Lower	Upper
248	100		
250	99.8	79.0	118.6
141	78.9	61.7	92.5

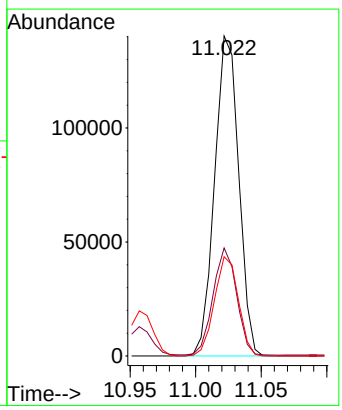


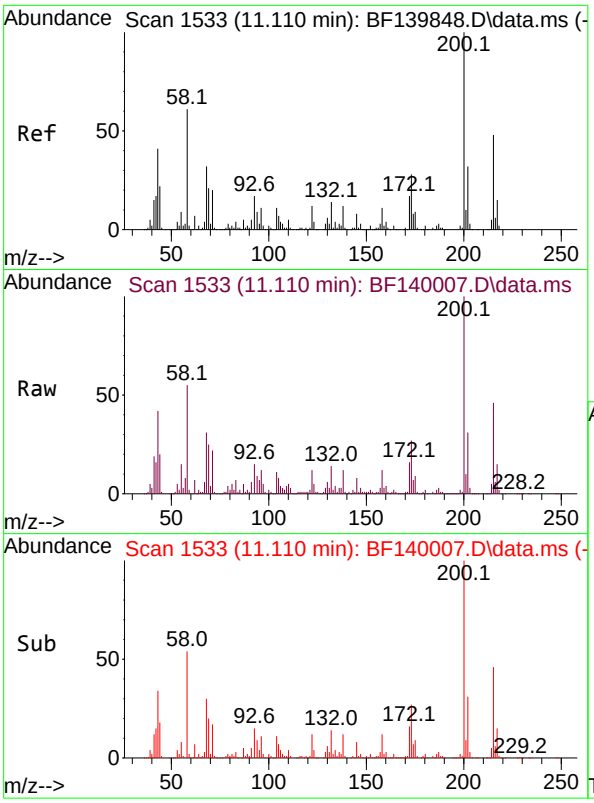


#68
Hexachlorobenzene
Concen: 54.212 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:284 Resp: 179167

Ion	Ratio	Lower	Upper
284	100		
142	33.7	26.9	40.3
249	31.0	25.3	37.9



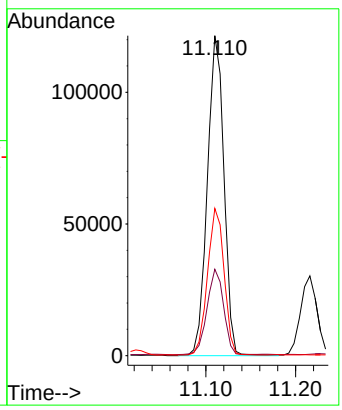


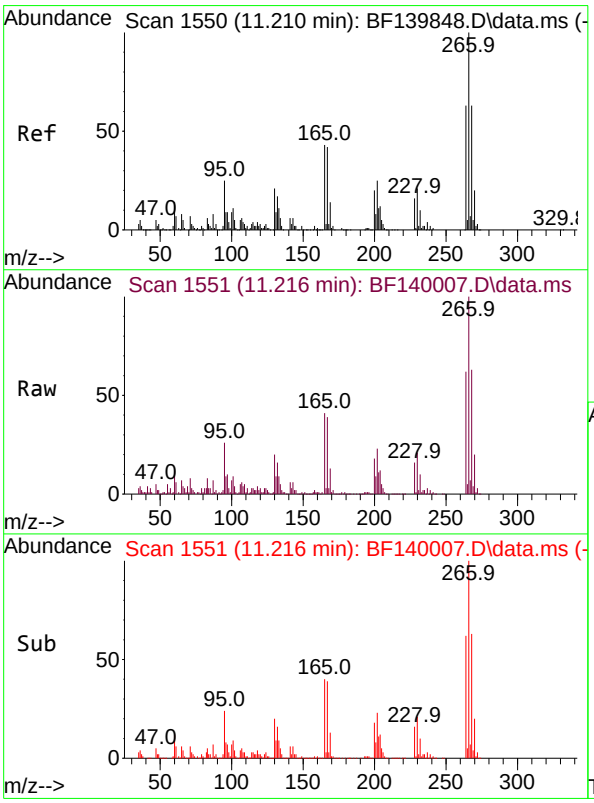
#69
Atrazine
Concen: 67.542 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:200 Resp: 156202

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.7	47.7
215	46.0	27.7	67.7

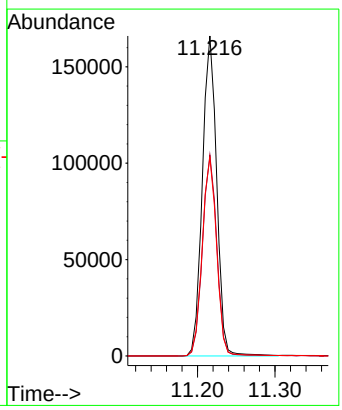


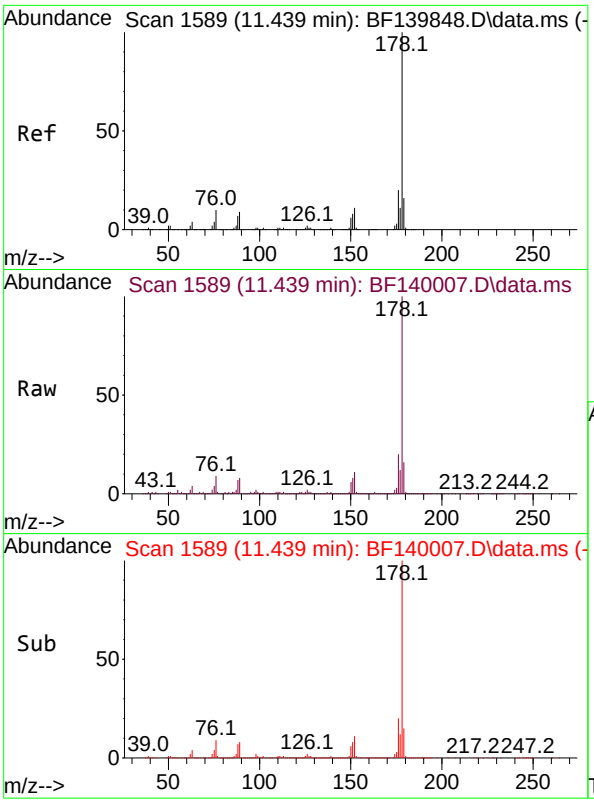


#70
Pentachlorophenol
Concen: 106.356 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:266 Resp: 213326

Ion	Ratio	Lower	Upper
266	100		
268	62.8	50.4	75.6
264	62.1	50.6	75.8



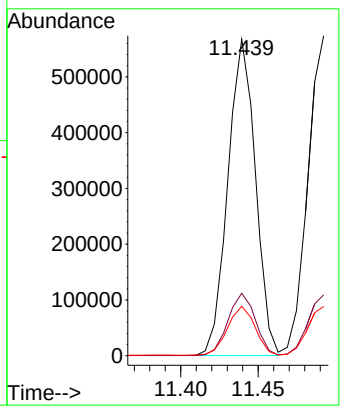


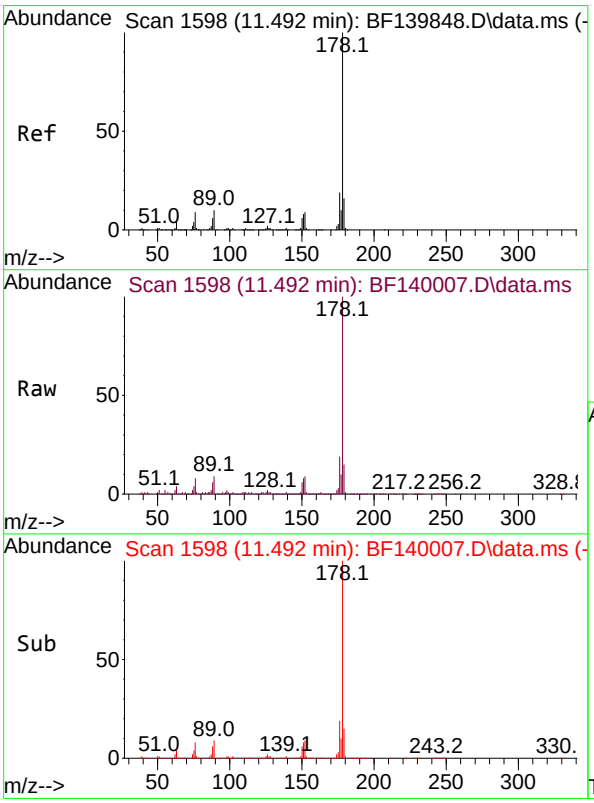
#71
Phenanthrene
Concen: 52.026 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:178 Resp: 700993

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.6	12.6	18.8

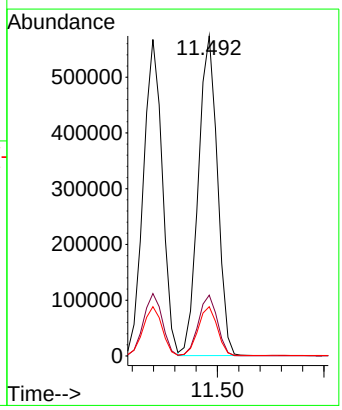


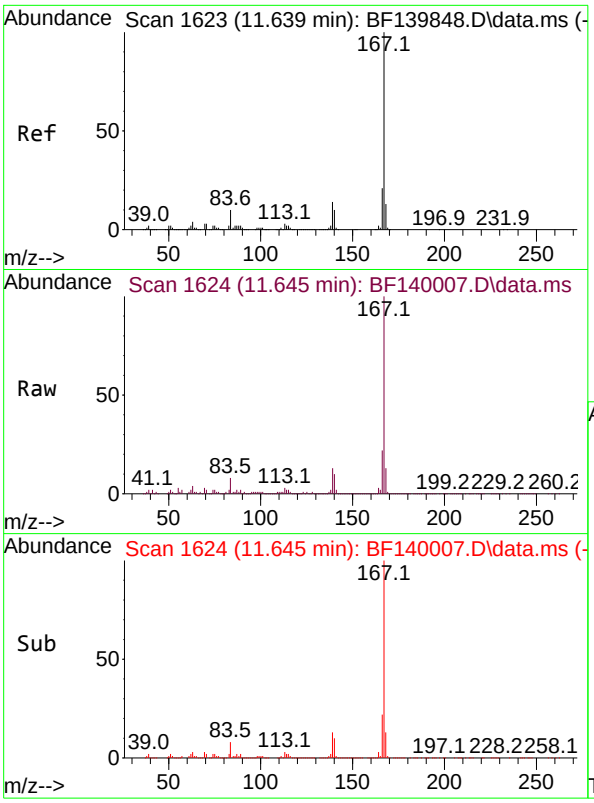


#72
Anthracene
Concen: 54.367 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:178 Resp: 714722

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.4	18.6



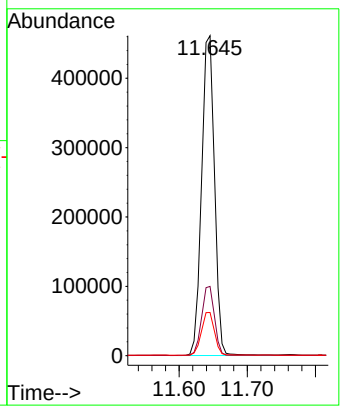


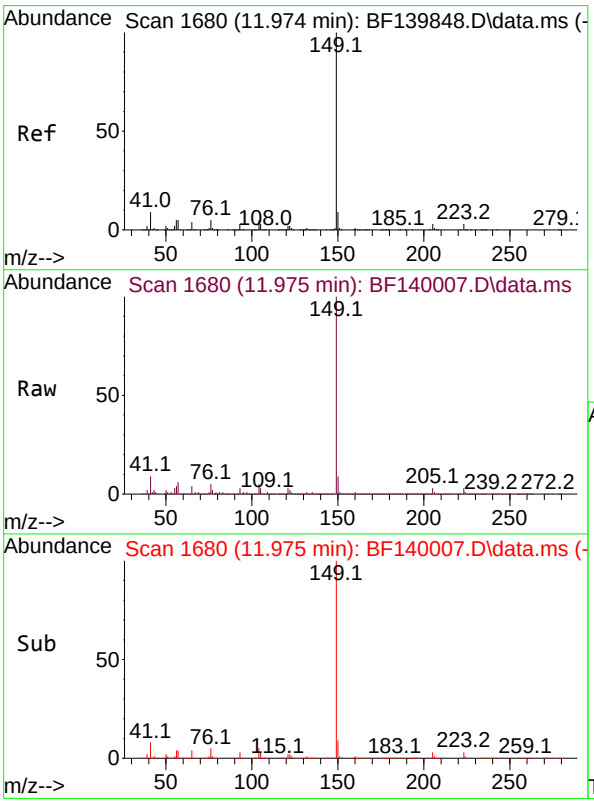
#73
Carbazole
Concen: 49.719 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:167 Resp: 607885

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.5	10.8	16.2

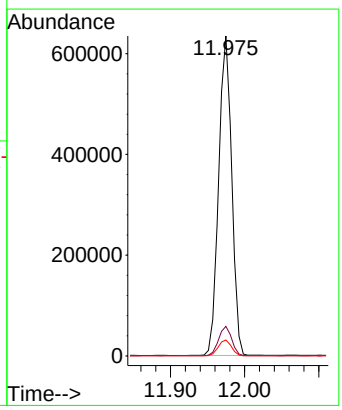


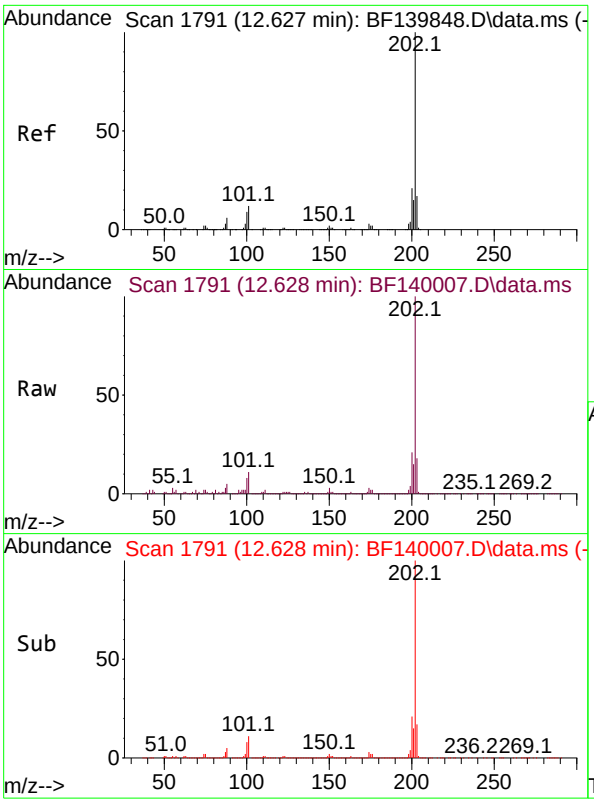


#74
Di-n-butylphthalate
Concen: 54.886 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:149 Resp: 775297

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.0	4.1	6.1



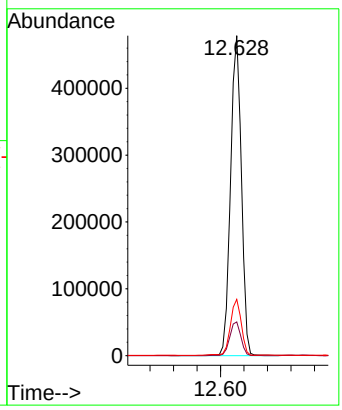


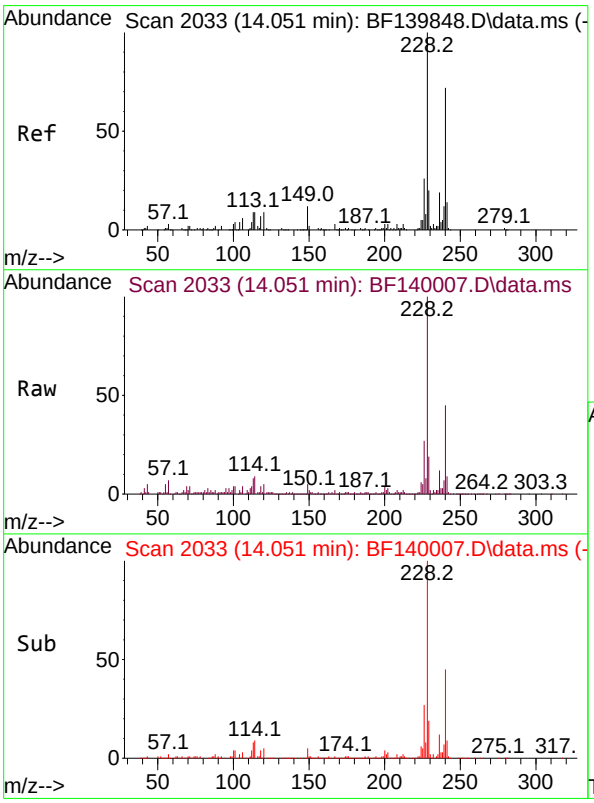
#75
Fluoranthene
Concen: 44.860 ng
RT: 12.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:202 Resp: 611032

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.9
203	17.6	0.0	37.5

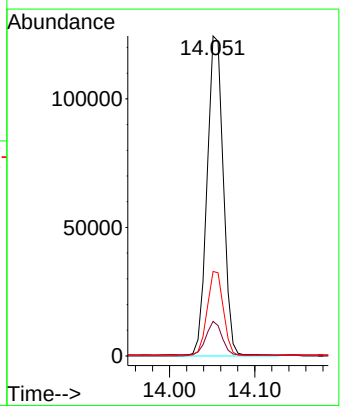


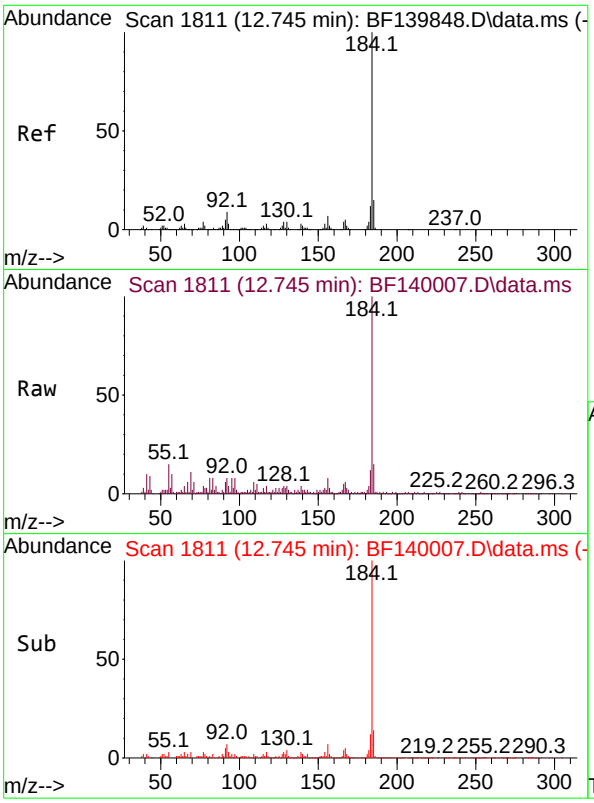


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:240 Resp: 164779

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.4	14.2
236	26.4	20.9	31.3



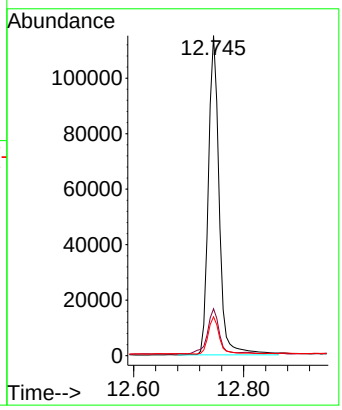


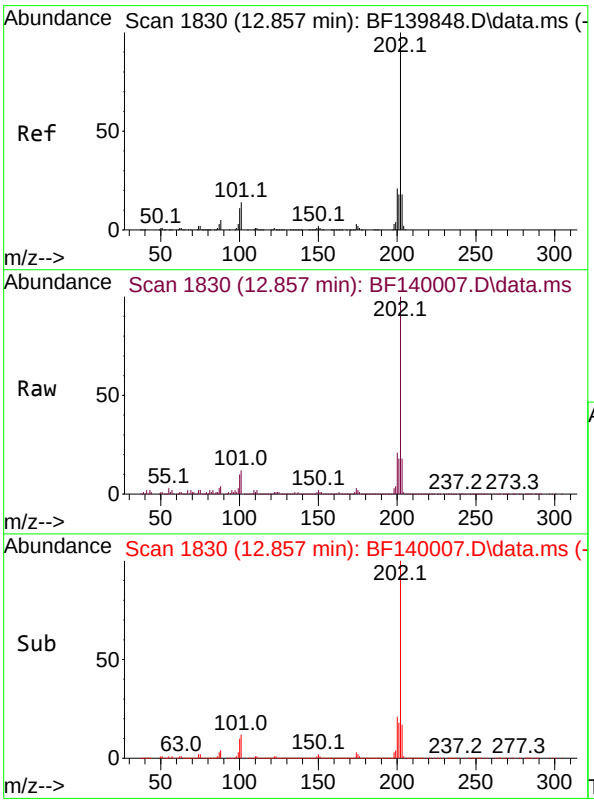
#77
Benzidine
Concen: 57.860 ng
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:184 Resp: 156772

Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.0	18.0
183	12.1	9.4	14.2

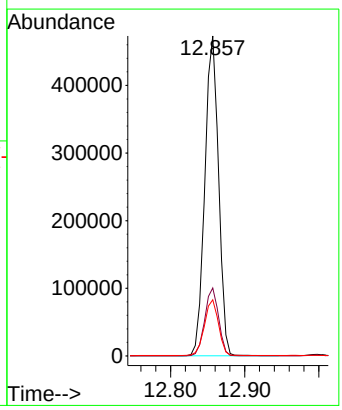


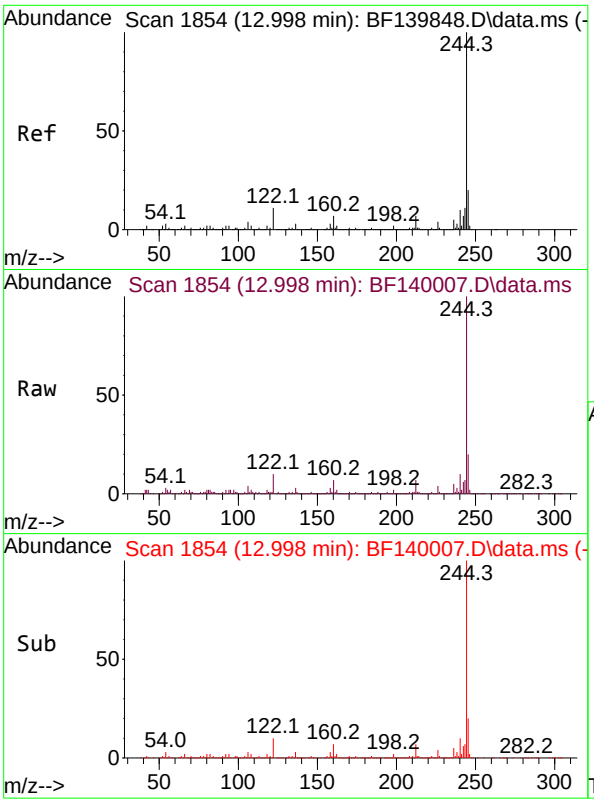


#78
Pyrene
Concen: 42.131 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:202 Resp: 607684

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.5	14.2	21.4



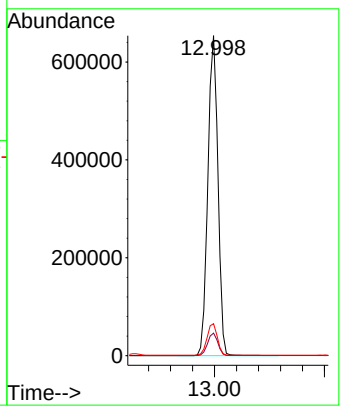


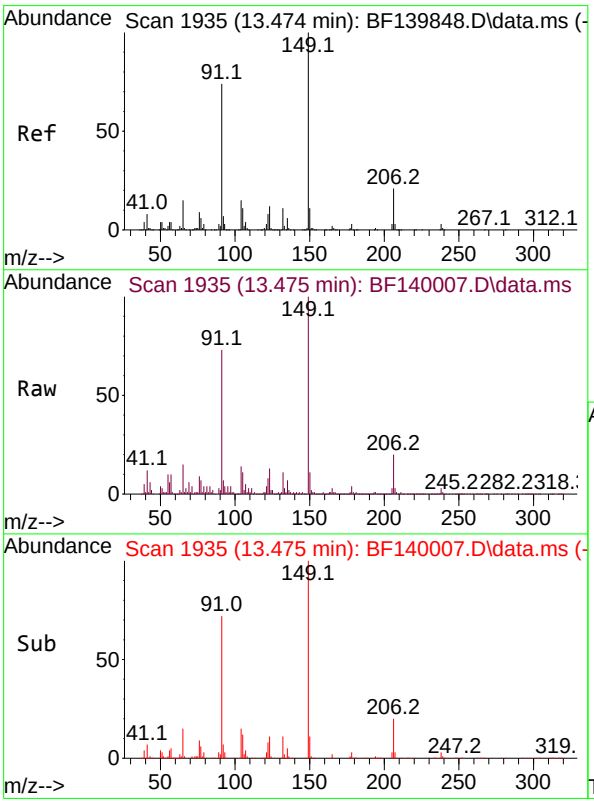
#79
Terphenyl-d14
Concen: 81.904 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:244 Resp: 828244

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.0	8.6	13.0

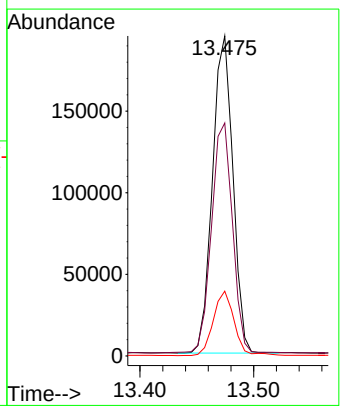


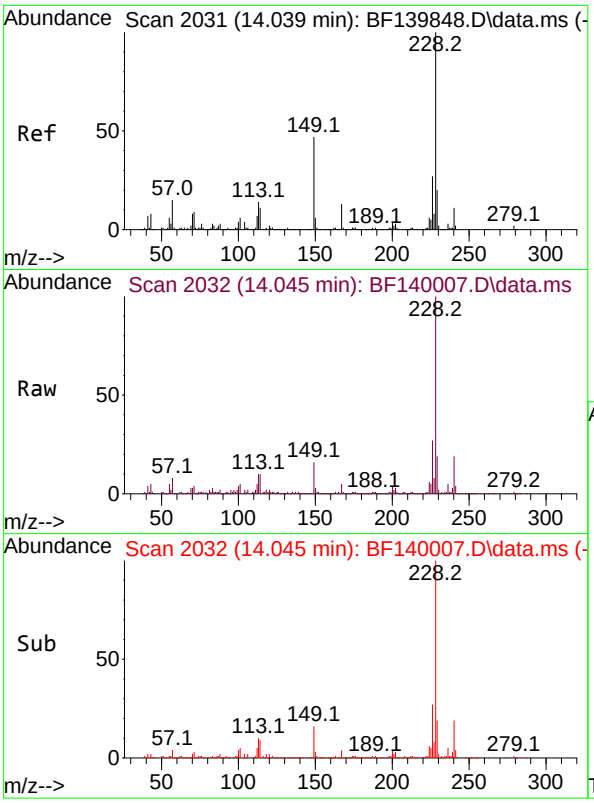


#80
Butylbenzylphthalate
Concen: 56.100 ng
RT: 13.475 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:149 Resp: 242592

Ion	Ratio	Lower	Upper
149	100		
91	72.8	59.4	89.2
206	20.2	16.4	24.6



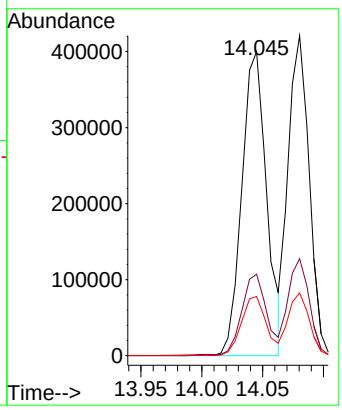


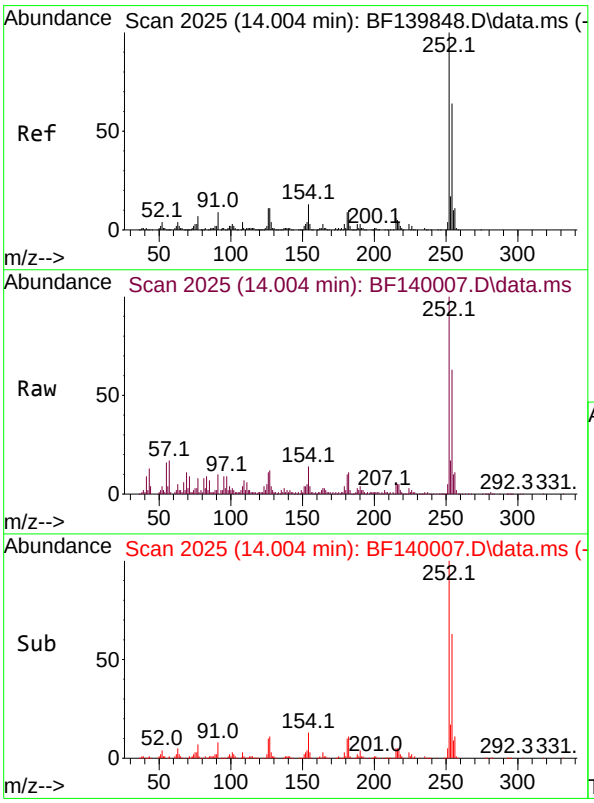
#81
Benzo(a)anthracene
Concen: 52.906 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:228 Resp: 567503

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.6	32.4
229	19.5	16.1	24.1

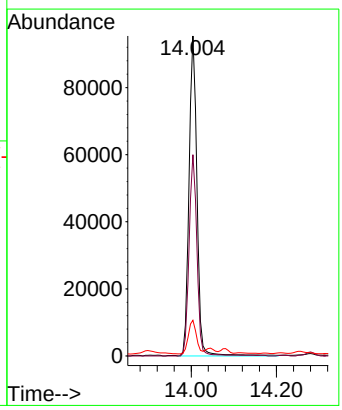


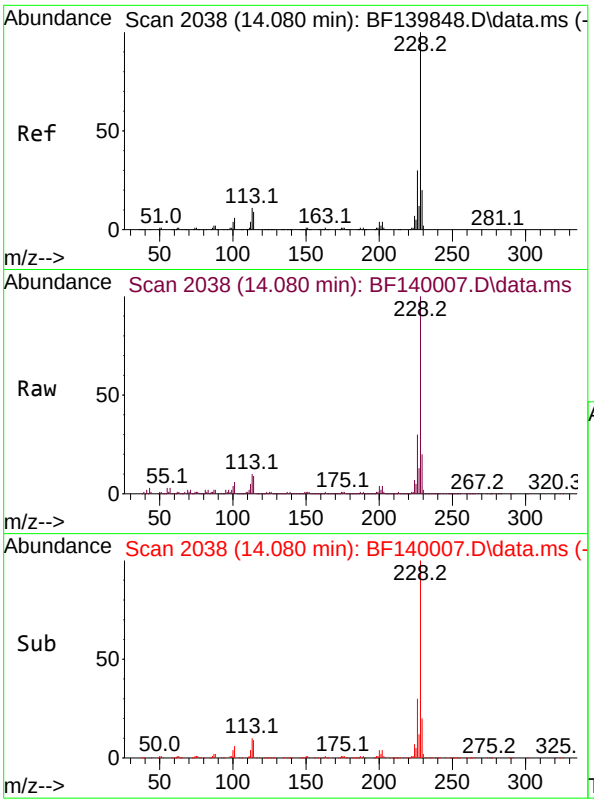


#82
3,3'-Dichlorobenzidine
Concen: 39.720 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:252 Resp: 124225

Ion	Ratio	Lower	Upper
252	100		
254	62.9	50.8	76.2
126	11.2	8.9	13.3



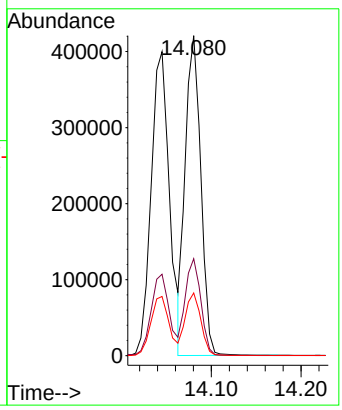


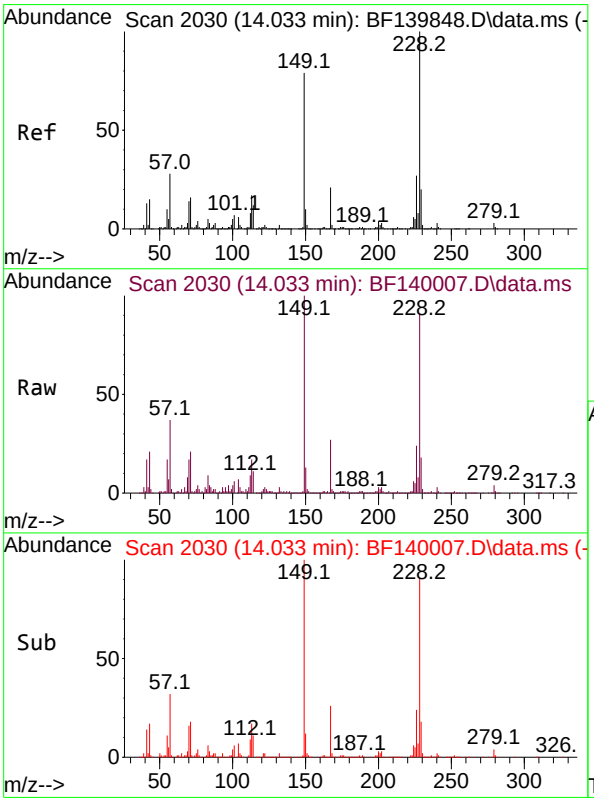
#83
Chrysene
Concen: 51.577 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:228 Resp: 507254

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.6	15.8	23.6

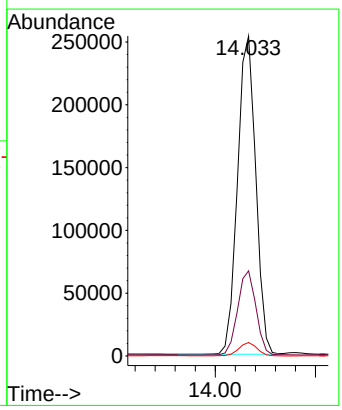


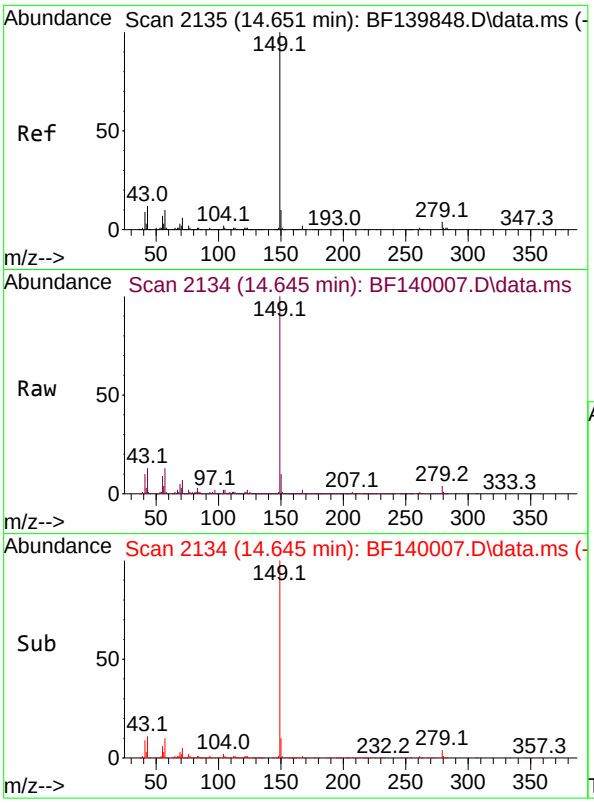


#84
Bis(2-ethylhexyl)phthalate
Concen: 66.119 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:149 Resp: 320782

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	4.2	3.0	4.4



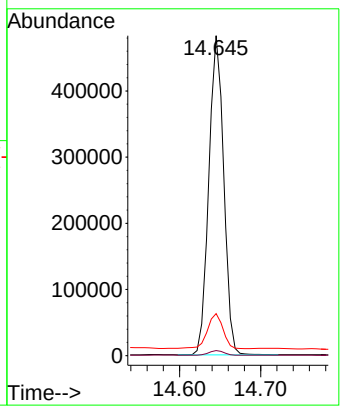


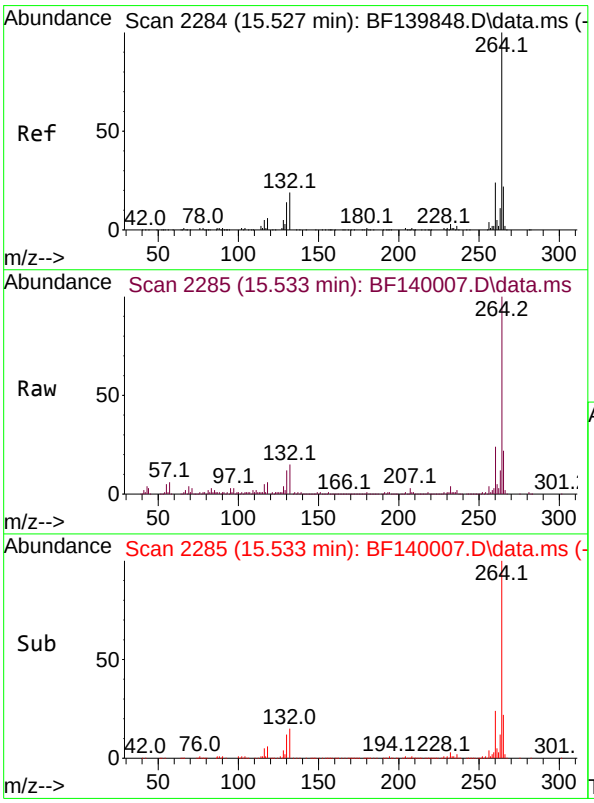
#85
Di-n-octyl phthalate
Concen: 69.420 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:149 Resp: 612589

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.6	9.8	14.6

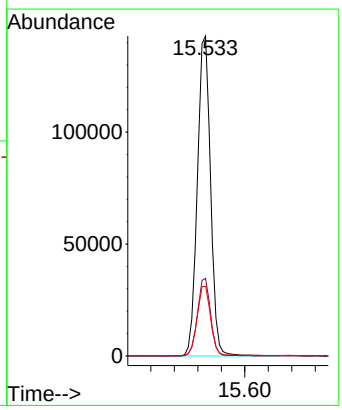


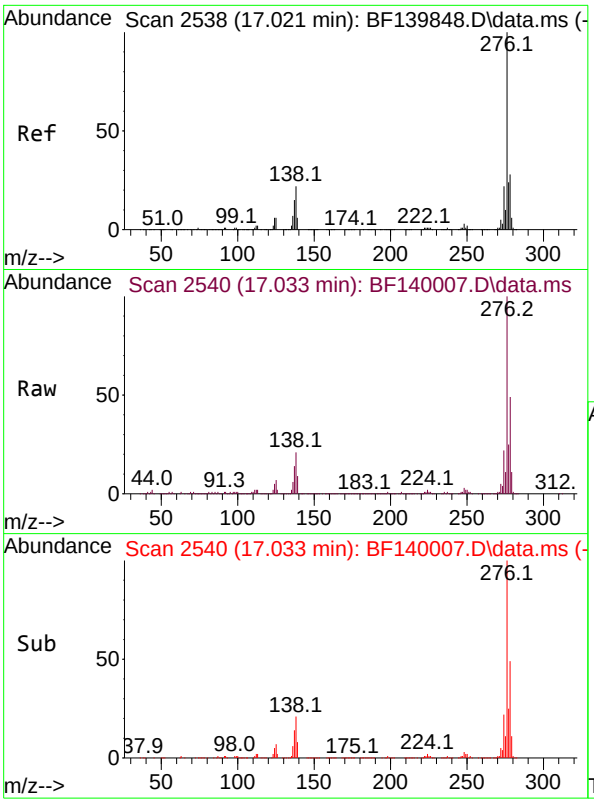


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:264 Resp: 222740

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.8	17.4	26.0



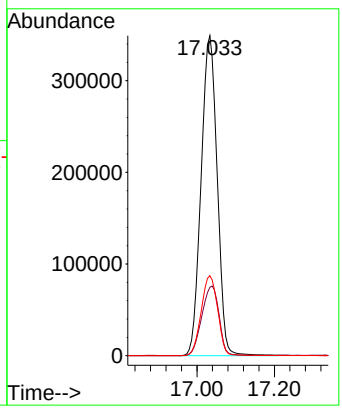


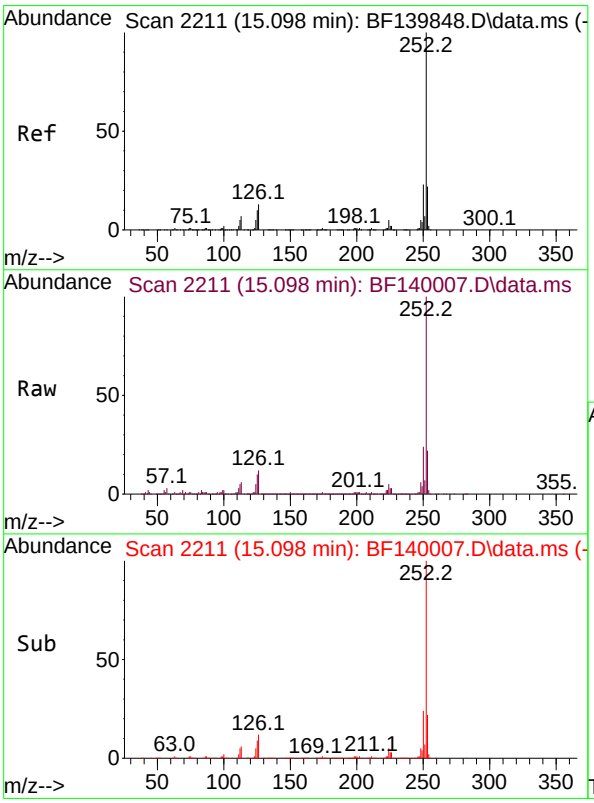
#87
Indeno(1,2,3-cd)pyrene
Concen: 70.234 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:276 Resp: 1006407

Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.4	30.6
277	25.6	20.2	30.4

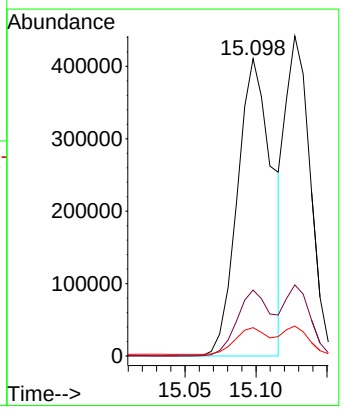


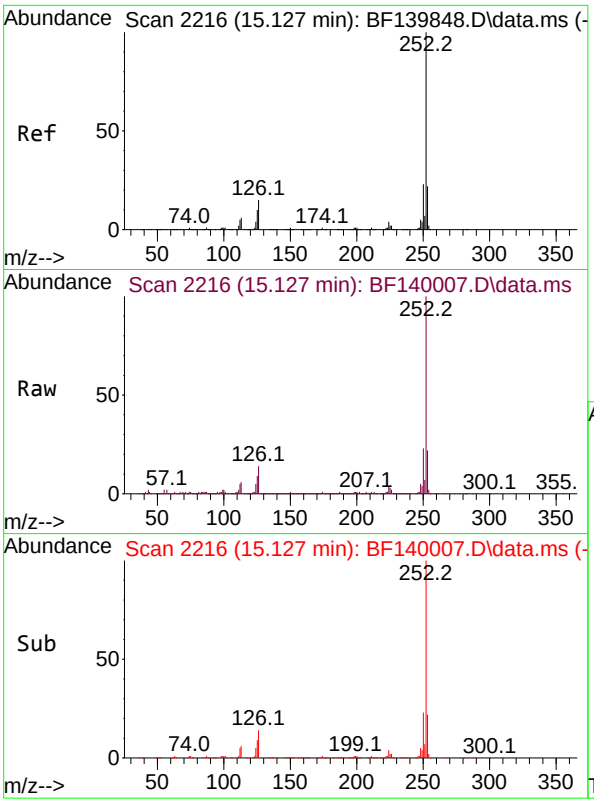


#88
Benzo(b)fluoranthene
Concen: 51.321 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:252 Resp: 696336

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.5	7.9	11.9



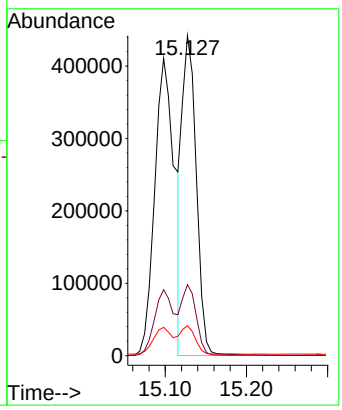


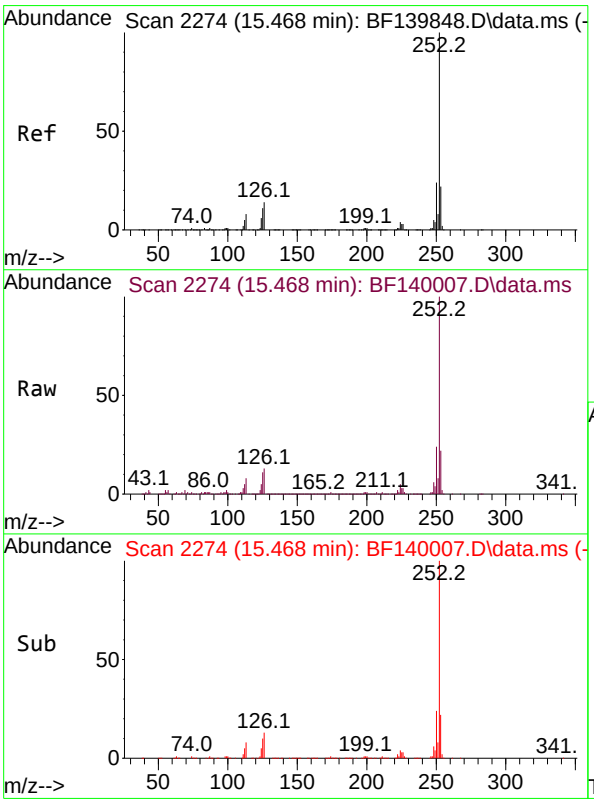
#89
Benzo(k)fluoranthene
Concen: 46.127 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:252 Resp: 539757

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.3	7.9	11.9

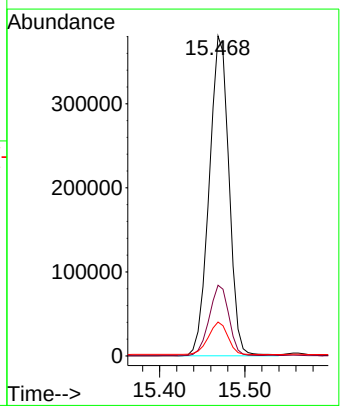


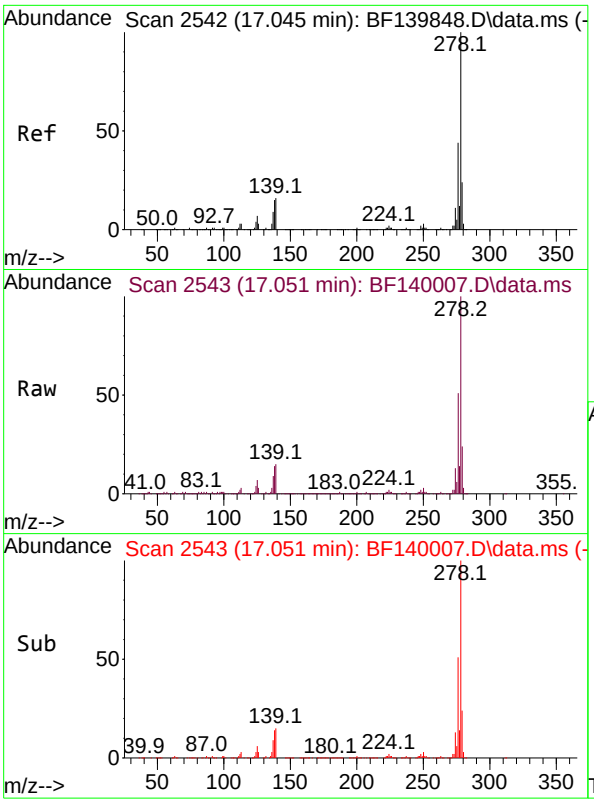


#90
Benzo(a)pyrene
Concen: 54.870 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:252 Resp: 612597

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	10.6	8.7	13.1



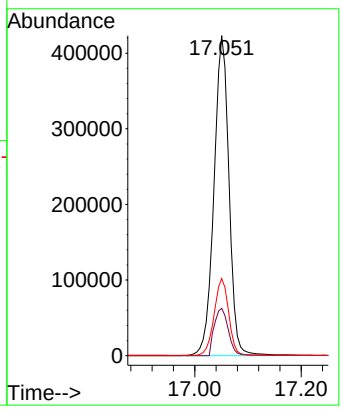


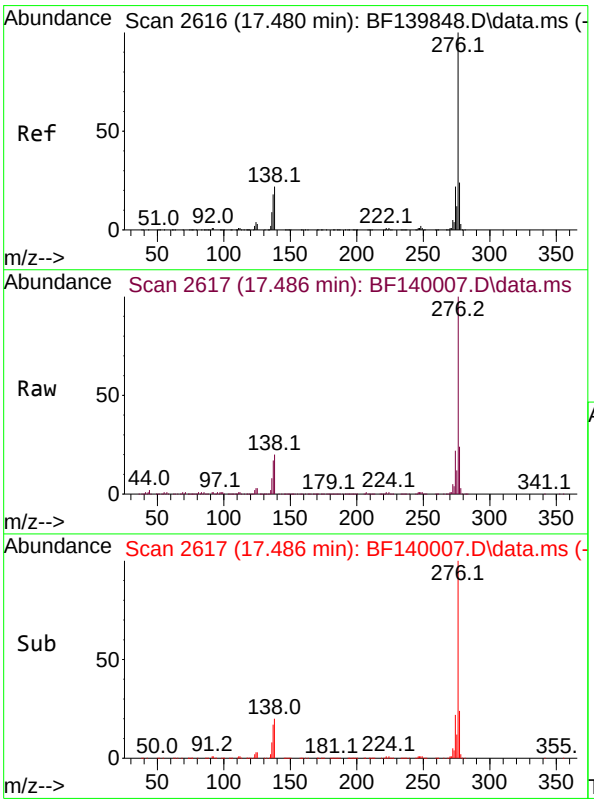
#91
Dibenzo(a,h)anthracene
Concen: 69.482 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Tgt Ion:278 Resp: 830579

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.1	19.7
279	24.1	19.0	28.4

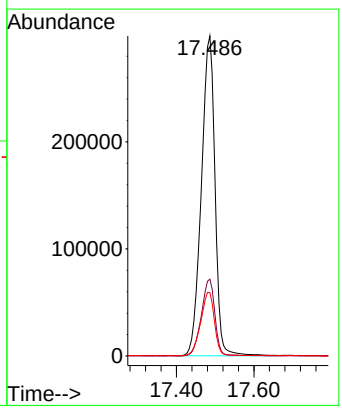




#92
Benzo(g,h,i)perylene
Concen: 61.067 ng
RT: 17.486 min Scan# 2617
Delta R.T. 0.006 min
Lab File: BF140007.D
Acq: 24 Oct 2024 18:14

Tgt Ion:276 Resp: 729168

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	19.8	17.4	26.0



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Manual Integration Report

Sequence:	BF101824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139952.D	Phenol	yogesh	10/24/2024 1:42:16 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
PB164286BS	BF139963.D	Caprolactam	yogesh	10/24/2024 1:42:26 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
PB164286BS	BF139963.D	Phenol	yogesh	10/24/2024 1:42:26 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
SSTDCCC040	BF139965.D	Phenol	yogesh	10/24/2024 1:42:27 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139990.D	Phenol	yogesh	10/25/2024 6:26:47 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
SSTDCCC040	BF140001.D	Phenol	yogesh	10/25/2024 6:27:19 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
P4460-03MS	BF140006.D	Phenol	yogesh	10/25/2024 6:27:34 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
P4460-03MSD	BF140007.D	Phenol	yogesh	10/25/2024 6:27:37 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140050.D	Phenol	yogesh	10/29/2024 1:34:09 AM	mohammad	10/29/2024 1:38:32 AM	Peak Integrated by Software
P4460-02	BF140068.D	Benzo(b)fluoranthene	yogesh	10/29/2024 1:34:19 AM	mohammad	10/29/2024 1:38:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm102324	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM048201.D	Benzaldehyde	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC005	BM048201.D	Benzoic acid	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC005	BM048201.D	Caprolactam	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC010	BM048202.D	Benzaldehyde	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC010	BM048202.D	Benzoic acid	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC010	BM048202.D	Caprolactam	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICCC040	BM048204.D	Pyridine	yogesh	10/24/2024 1:43:01 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC050	BM048205.D	Pyridine	yogesh	10/24/2024 1:43:03 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC060	BM048206.D	Pyridine	yogesh	10/24/2024 1:43:05 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC080	BM048207.D	Pyridine	yogesh	10/24/2024 1:43:06 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICV040	BM048208.D	Pyridine	yogesh	10/24/2024 1:43:08 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM102424	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM048211.D	Pyridine	yogesh	10/25/2024 11:53:13 PM	mohammad	10/26/2024 4:14:29 AM	Peak Integrated by Software
SSTDCCC040	BM048226.D	Pyridine	yogesh	10/25/2024 11:53:38 PM	mohammad	10/26/2024 4:14:29 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM102524	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM048228.D	Pyridine	yogesh	10/25/2024 11:59:12 PM	mohammad	10/28/2024 3:13:37 AM	Peak Integrated by Software
SSTDCCC040	BM048239.D	Pyridine	yogesh	10/25/2024 11:59:51 PM	mohammad	10/28/2024 3:13:37 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM				
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM				
SubDirectory	BF101824	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM				
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM				
SubDirectory	BF102324	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139951.D	23 Oct 2024 08:52	RC/JU	Ok
2	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	RC/JU	Ok,M
3	PB164020BL	BF139953.D	23 Oct 2024 09:48	RC/JU	Ok
4	PB164020BS	BF139954.D	23 Oct 2024 10:17	RC/JU	Ok,M
5	PB164237BL	BF139955.D	23 Oct 2024 10:45	RC/JU	Ok
6	PB164237BS	BF139956.D	23 Oct 2024 11:14	RC/JU	Ok,M
7	PB164208BL	BF139957.D	23 Oct 2024 11:42	RC/JU	Ok
8	PB164216BS	BF139958.D	23 Oct 2024 12:10	RC/JU	Ok,M
9	PB164123BS	BF139959.D	23 Oct 2024 12:39	RC/JU	Ok,M
10	PB164154BS	BF139960.D	23 Oct 2024 13:07	RC/JU	Ok,M
11	PB164154BSD	BF139961.D	23 Oct 2024 13:36	RC/JU	Ok,M
12	PB164286BL	BF139962.D	23 Oct 2024 14:04	RC/JU	Ok
13	PB164286BS	BF139963.D	23 Oct 2024 14:33	RC/JU	Ok,M
14	DFTPP	BF139964.D	23 Oct 2024 15:01	RC/JU	Ok
15	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	RC/JU	Ok,M
16	PB164195TB	BF139966.D	23 Oct 2024 15:58	RC/JU	Ok
17	P4397-06	BF139967.D	23 Oct 2024 16:32	RC/JU	Ok
18	P4443-06DL	BF139968.D	23 Oct 2024 17:01	RC/JU	Ok,M
19	P4458-01	BF139969.D	23 Oct 2024 17:30	RC/JU	Ok,M
20	P4397-06MS	BF139970.D	23 Oct 2024 17:59	RC/JU	Ok,M
21	P4397-06MSD	BF139971.D	23 Oct 2024 18:28	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4472-04	BF139972.D	23 Oct 2024 18:56	RC/JU	Ok
23	P4468-06	BF139973.D	23 Oct 2024 19:25	RC/JU	Ok
24	P4468-04	BF139974.D	23 Oct 2024 19:54	RC/JU	Ok
25	P4397-04	BF139975.D	23 Oct 2024 20:22	RC/JU	Ok
26	P4397-02	BF139976.D	23 Oct 2024 20:51	RC/JU	Ok
27	P4397-02MS	BF139977.D	23 Oct 2024 21:20	RC/JU	Ok,M
28	P4397-02MSD	BF139978.D	23 Oct 2024 21:49	RC/JU	Ok,M
29	P4397-01	BF139979.D	23 Oct 2024 22:17	RC/JU	Ok,M
30	P4468-05	BF139980.D	23 Oct 2024 22:46	RC/JU	Ok
31	P4472-01	BF139981.D	23 Oct 2024 23:14	RC/JU	Ok
32	P4385-20	BF139982.D	23 Oct 2024 23:43	RC/JU	Ok,M
33	P4385-14	BF139983.D	24 Oct 2024 00:11	RC/JU	Ok
34	P4474-01	BF139984.D	24 Oct 2024 00:40	RC/JU	Ok
35	P4473-01	BF139985.D	24 Oct 2024 01:08	RC/JU	Ok
36	P4489-01	BF139986.D	24 Oct 2024 01:37	RC/JU	Dilution
37	P4486-01	BF139987.D	24 Oct 2024 02:06	RC/JU	Ok,M
38	P4468-03	BF139988.D	24 Oct 2024 02:34	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM				
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM				
SubDirectory	BF102424	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139989.D	24 Oct 2024 09:26	RC/JU	Ok
2	SSTDCCC040	BF139990.D	24 Oct 2024 09:55	RC/JU	Ok,M
3	PB164312BL	BF139991.D	24 Oct 2024 10:23	RC/JU	Ok
4	PB164312BS	BF139992.D	24 Oct 2024 10:52	RC/JU	Ok,M
5	PB164315BL	BF139993.D	24 Oct 2024 11:20	RC/JU	Ok
6	PB164315BS	BF139994.D	24 Oct 2024 11:49	RC/JU	Ok,M
7	PB164301TB	BF139995.D	24 Oct 2024 12:17	RC/JU	Ok
8	PB163997BS	BF139996.D	24 Oct 2024 12:53	RC/JU	Ok,M
9	PB164208BS	BF139997.D	24 Oct 2024 13:21	RC/JU	Ok,M
10	PB164338BL	BF139998.D	24 Oct 2024 13:50	RC/JU	Ok
11	PB164338BS	BF139999.D	24 Oct 2024 14:19	RC/JU	Ok,M
12	DFTPP	BF140000.D	24 Oct 2024 14:47	RC/JU	Ok
13	SSTDCCC040	BF140001.D	24 Oct 2024 15:16	RC/JU	Ok,M
14	PB164261TB	BF140002.D	24 Oct 2024 15:44	RC/JU	Ok
15	P4489-01DL	BF140003.D	24 Oct 2024 16:19	RC/JU	Ok
16	P4467-01MS	BF140004.D	24 Oct 2024 16:48	RC/JU	Ok,M
17	P4467-01MSD	BF140005.D	24 Oct 2024 17:17	RC/JU	Ok,M
18	P4460-03MS	BF140006.D	24 Oct 2024 17:45	RC/JU	Ok,M
19	P4460-03MSD	BF140007.D	24 Oct 2024 18:14	RC/JU	Ok,M
20	P4467-04	BF140008.D	24 Oct 2024 18:42	RC/JU	Ok
21	P4472-08	BF140009.D	24 Oct 2024 19:11	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4460-03	BF140010.D	24 Oct 2024 19:39	RC/JU	ReRun
23	P4471-01	BF140011.D	24 Oct 2024 20:08	RC/JU	Ok
24	P4471-02	BF140012.D	24 Oct 2024 20:36	RC/JU	ReRun
25	P4467-01	BF140013.D	24 Oct 2024 21:04	RC/JU	ReRun
26	P4460-04	BF140014.D	24 Oct 2024 21:33	RC/JU	ReRun
27	P4468-01	BF140015.D	24 Oct 2024 22:01	RC/JU	ReRun
28	P4485-01	BF140016.D	24 Oct 2024 22:29	RC/JU	ReRun
29	P4487-01	BF140017.D	24 Oct 2024 22:58	RC/JU	ReRun
30	P4487-05	BF140018.D	24 Oct 2024 23:26	RC/JU	Ok
31	P4487-05MS	BF140019.D	24 Oct 2024 23:54	RC/JU	Ok,M
32	P4487-05MSD	BF140020.D	25 Oct 2024 00:22	RC/JU	Ok,M
33	P4485-02	BF140021.D	25 Oct 2024 00:50	RC/JU	ReRun
34	P4512-03	BF140022.D	25 Oct 2024 01:19	RC/JU	ReRun
35	P4470-01	BF140023.D	25 Oct 2024 01:46	RC/JU	Ok
36	P4472-05	BF140024.D	25 Oct 2024 02:14	RC/JU	ReRun

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM				
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM				
SubDirectory	BF102624	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140049.D	26 Oct 2024 10:10	RC/JU	Ok
2	SSTDCCC040	BF140050.D	26 Oct 2024 10:38	RC/JU	Ok,M
3	PB164401BL	BF140051.D	26 Oct 2024 11:06	RC/JU	Ok
4	PB164401BS	BF140052.D	26 Oct 2024 11:34	RC/JU	Ok,M
5	P4508-09	BF140053.D	26 Oct 2024 12:06	RC/JU	Ok
6	P4508-09MS	BF140054.D	26 Oct 2024 12:34	RC/JU	Ok,M
7	P4508-09MSD	BF140055.D	26 Oct 2024 13:02	RC/JU	Ok,M
8	P4547-05	BF140056.D	26 Oct 2024 13:30	RC/JU	Ok
9	P4547-05MS	BF140057.D	26 Oct 2024 13:58	RC/JU	Ok,M
10	P4547-05MSD	BF140058.D	26 Oct 2024 14:27	RC/JU	Ok,M
11	P4508-05	BF140059.D	26 Oct 2024 14:55	RC/JU	Ok
12	P4517-07	BF140060.D	26 Oct 2024 15:23	RC/JU	Ok
13	P4487-08	BF140061.D	26 Oct 2024 15:51	RC/JU	Ok
14	P4460-04	BF140062.D	26 Oct 2024 16:20	RC/JU	Ok
15	P4460-03	BF140063.D	26 Oct 2024 16:48	RC/JU	Ok
16	P4471-02	BF140064.D	26 Oct 2024 17:16	RC/JU	Ok
17	P4508-12	BF140065.D	26 Oct 2024 17:44	RC/JU	Ok
18	P4508-04	BF140066.D	26 Oct 2024 18:12	RC/JU	Ok
19	P4508-08	BF140067.D	26 Oct 2024 18:40	RC/JU	Ok
20	P4460-02	BF140068.D	26 Oct 2024 19:09	RC/JU	Ok,M
21	P4547-01	BF140069.D	26 Oct 2024 19:37	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4508-01	BF140070.D	26 Oct 2024 20:05	RC/JU	Ok
23	P4545-01	BF140071.D	26 Oct 2024 20:33	RC/JU	Ok,M
24	P4509-01	BF140072.D	26 Oct 2024 21:01	RC/JU	Ok,M
25	P4531-01	BF140073.D	26 Oct 2024 21:29	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102324

Review By	yogesh	Review On	10/24/2024 1:43:12 AM				
Supervise By	mohammad	Supervise On	10/24/2024 1:59:34 AM				
SubDirectory	BM102324	HP Acquire Method	BNA_M		HP Processing Method	bm102324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM048199.D	23 Oct 2024 11:47	RC/JU	Ok
2	SSTDICC2.5	BM048200.D	23 Oct 2024 12:26	RC/JU	Ok
3	SSTDICC005	BM048201.D	23 Oct 2024 13:05	RC/JU	Ok,M
4	SSTDICC010	BM048202.D	23 Oct 2024 13:45	RC/JU	Ok,M
5	SSTDICC020	BM048203.D	23 Oct 2024 14:24	RC/JU	Ok
6	SSTDICCC040	BM048204.D	23 Oct 2024 15:04	RC/JU	Ok,M
7	SSTDICC050	BM048205.D	23 Oct 2024 15:43	RC/JU	Ok,M
8	SSTDICC060	BM048206.D	23 Oct 2024 16:23	RC/JU	Ok,M
9	SSTDICC080	BM048207.D	23 Oct 2024 17:02	RC/JU	Ok,M
10	SSTDICV040	BM048208.D	23 Oct 2024 17:46	RC/JU	Ok,M
11	PB164286BL	BM048209.D	23 Oct 2024 18:25	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102424

Review By	yogesh	Review On	10/25/2024 11:54:54 PM				
Supervise By	mohammad	Supervise On	10/26/2024 4:14:29 AM				
SubDirectory	BM102424	HP Acquire Method	BNA_M			HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM048210.D	24 Oct 2024 10:31	RC/JU	Ok
2	SSTDCCC040	BM048211.D	24 Oct 2024 11:11	RC/JU	Ok,M
3	PB164369BL	BM048212.D	24 Oct 2024 11:50	RC/JU	Ok
4	P4368-08	BM048213.D	24 Oct 2024 12:29	RC/JU	Ok,M
5	P4368-08	BM048214.D	24 Oct 2024 13:09	RC/JU	Ok,M
6	P4368-07	BM048215.D	24 Oct 2024 13:51	RC/JU	Ok,M
7	P4368-02	BM048216.D	24 Oct 2024 14:30	RC/JU	Ok,M
8	P4368-02	BM048217.D	24 Oct 2024 15:10	RC/JU	Ok,M
9	P4368-08	BM048218.D	24 Oct 2024 15:49	RC/JU	Ok,M
10	P4368-02	BM048219.D	24 Oct 2024 16:29	RC/JU	Ok,M
11	P4368-08	BM048220.D	24 Oct 2024 17:08	RC/JU	Ok,M
12	P4368-02	BM048221.D	24 Oct 2024 17:48	RC/JU	Ok,M
13	P4368-07	BM048222.D	24 Oct 2024 18:27	RC/JU	Ok,M
14	P4368-01	BM048223.D	24 Oct 2024 19:07	RC/JU	Ok,M
15	P4368-01	BM048224.D	24 Oct 2024 19:46	RC/JU	Ok,M
16	PB164366BL	BM048225.D	24 Oct 2024 20:26	RC/JU	Ok
17	SSTDCCC040	BM048226.D	24 Oct 2024 21:05	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102524

Review By	yogesh	Review On	10/26/2024 12:00:14 AM				
Supervise By	mohammad	Supervise On	10/28/2024 3:13:37 AM				
SubDirectory	BM102524	HP Acquire Method	BNA_M		HP Processing Method	bm102324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM048227.D	25 Oct 2024 08:10	RC/JU	Ok
2	SSTDCCC040	BM048228.D	25 Oct 2024 08:49	RC/JU	Ok,M
3	PB164382BL	BM048229.D	25 Oct 2024 09:28	RC/JU	Ok
4	P4368-09	BM048230.D	25 Oct 2024 10:07	RC/JU	Ok,M
5	P4368-09	BM048231.D	25 Oct 2024 10:47	RC/JU	Ok,M
6	PB164369BS	BM048232.D	25 Oct 2024 12:19	RC/JU	Not Ok
7	PB164369BSD	BM048233.D	25 Oct 2024 12:58	RC/JU	Ok
8	PB164401BL	BM048234.D	25 Oct 2024 13:38	RC/JU	Ok
9	P4368-03	BM048235.D	25 Oct 2024 14:17	RC/JU	Ok,M
10	P4368-03	BM048236.D	25 Oct 2024 14:56	RC/JU	Ok,M
11	PB164369BS	BM048237.D	25 Oct 2024 15:42	RC/JU	Ok
12	P4460-06	BM048238.D	25 Oct 2024 16:21	RC/JU	Ok
13	SSTDCCC040	BM048239.D	25 Oct 2024 17:00	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139951.D	23 Oct 2024 08:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139952.D	23 Oct 2024 09:20		RC/JU	Ok,M
3	PB164020BL	PB164020BL	BF139953.D	23 Oct 2024 09:48		RC/JU	Ok
4	PB164020BS	PB164020BS	BF139954.D	23 Oct 2024 10:17		RC/JU	Ok,M
5	PB164237BL	PB164237BL	BF139955.D	23 Oct 2024 10:45		RC/JU	Ok
6	PB164237BS	PB164237BS	BF139956.D	23 Oct 2024 11:14		RC/JU	Ok,M
7	PB164208BL	PB164208BL	BF139957.D	23 Oct 2024 11:42		RC/JU	Ok
8	PB164216BS	PB164216BS	BF139958.D	23 Oct 2024 12:10		RC/JU	Ok,M
9	PB164123BS	PB164123BS	BF139959.D	23 Oct 2024 12:39		RC/JU	Ok,M
10	PB164154BS	PB164154BS	BF139960.D	23 Oct 2024 13:07		RC/JU	Ok,M
11	PB164154BSD	PB164154BSD	BF139961.D	23 Oct 2024 13:36		RC/JU	Ok,M
12	PB164286BL	PB164286BL	BF139962.D	23 Oct 2024 14:04		RC/JU	Ok
13	PB164286BS	PB164286BS	BF139963.D	23 Oct 2024 14:33		RC/JU	Ok,M
14	DFTPP	DFTPP	BF139964.D	23 Oct 2024 15:01		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139965.D	23 Oct 2024 15:30		RC/JU	Ok,M
16	PB164195TB	PB164195TB	BF139966.D	23 Oct 2024 15:58		RC/JU	Ok
17	P4397-06	WB-301-BOT	BF139967.D	23 Oct 2024 16:32		RC/JU	Ok
18	P4443-06DL	OG-315-HR-502-COMP	BF139968.D	23 Oct 2024 17:01		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4458-01	280517	BF139969.D	23 Oct 2024 17:30		RC/JU	Ok,M
20	P4397-06MS	WB-301-BOTMS	BF139970.D	23 Oct 2024 17:59		RC/JU	Ok,M
21	P4397-06MSD	WB-301-BOTMSD	BF139971.D	23 Oct 2024 18:28		RC/JU	Ok,M
22	P4472-04	BP-F-28	BF139972.D	23 Oct 2024 18:56		RC/JU	Ok
23	P4468-06	ETGI-345	BF139973.D	23 Oct 2024 19:25		RC/JU	Ok
24	P4468-04	ETGI-329	BF139974.D	23 Oct 2024 19:54		RC/JU	Ok
25	P4397-04	WB-301-SW	BF139975.D	23 Oct 2024 20:22		RC/JU	Ok
26	P4397-02	WB-301-BOT	BF139976.D	23 Oct 2024 20:51		RC/JU	Ok
27	P4397-02MS	WB-301-BOTMS	BF139977.D	23 Oct 2024 21:20		RC/JU	Ok,M
28	P4397-02MSD	WB-301-BOTMSD	BF139978.D	23 Oct 2024 21:49		RC/JU	Ok,M
29	P4397-01	WB-301-TOP	BF139979.D	23 Oct 2024 22:17		RC/JU	Ok,M
30	P4468-05	ETGI-345	BF139980.D	23 Oct 2024 22:46		RC/JU	Ok
31	P4472-01	BP-F-28	BF139981.D	23 Oct 2024 23:14		RC/JU	Ok
32	P4385-20	SP-10	BF139982.D	23 Oct 2024 23:43		RC/JU	Ok,M
33	P4385-14	SP-7	BF139983.D	24 Oct 2024 00:11		RC/JU	Ok
34	P4474-01	TS-2	BF139984.D	24 Oct 2024 00:40		RC/JU	Ok
35	P4473-01	TS-1	BF139985.D	24 Oct 2024 01:08		RC/JU	Ok
36	P4489-01	RT-2675	BF139986.D	24 Oct 2024 01:37	Internal Standard Failed, Need 5X Dilution	RC/JU	Dilution
37	P4486-01	EO-03-102224	BF139987.D	24 Oct 2024 02:06		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4468-03	ETGI-329	BF139988.D	24 Oct 2024 02:34		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139989.D	24 Oct 2024 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139990.D	24 Oct 2024 09:55		RC/JU	Ok,M
3	PB164312BL	PB164312BL	BF139991.D	24 Oct 2024 10:23		RC/JU	Ok
4	PB164312BS	PB164312BS	BF139992.D	24 Oct 2024 10:52		RC/JU	Ok,M
5	PB164315BL	PB164315BL	BF139993.D	24 Oct 2024 11:20		RC/JU	Ok
6	PB164315BS	PB164315BS	BF139994.D	24 Oct 2024 11:49		RC/JU	Ok,M
7	PB164301TB	PB164301TB	BF139995.D	24 Oct 2024 12:17		RC/JU	Ok
8	PB163997BS	PB163997BS	BF139996.D	24 Oct 2024 12:53		RC/JU	Ok,M
9	PB164208BS	PB164208BS	BF139997.D	24 Oct 2024 13:21		RC/JU	Ok,M
10	PB164338BL	PB164338BL	BF139998.D	24 Oct 2024 13:50		RC/JU	Ok
11	PB164338BS	PB164338BS	BF139999.D	24 Oct 2024 14:19		RC/JU	Ok,M
12	DFTPP	DFTPP	BF140000.D	24 Oct 2024 14:47		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040	BF140001.D	24 Oct 2024 15:16		RC/JU	Ok,M
14	PB164261TB	PB164261TB	BF140002.D	24 Oct 2024 15:44		RC/JU	Ok
15	P4489-01DL	RT-2675DL	BF140003.D	24 Oct 2024 16:19	Internal Standard Fail	RC/JU	Ok
16	P4467-01MS	TP-1MS	BF140004.D	24 Oct 2024 16:48		RC/JU	Ok,M
17	P4467-01MSD	TP-1MSD	BF140005.D	24 Oct 2024 17:17		RC/JU	Ok,M
18	P4460-03MS	WB-303-BOTMS	BF140006.D	24 Oct 2024 17:45		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-03MSD	WB-303-BOTMSD	BF140007.D	24 Oct 2024 18:14		RC/JU	Ok,M
20	P4467-04	TP-1	BF140008.D	24 Oct 2024 18:42		RC/JU	Ok
21	P4472-08	BP-F-6	BF140009.D	24 Oct 2024 19:11		RC/JU	Ok
22	P4460-03	WB-303-BOT	BF140010.D	24 Oct 2024 19:39	Internal Standrad Fail	RC/JU	ReRun
23	P4471-01	B-180-SB01	BF140011.D	24 Oct 2024 20:08		RC/JU	Ok
24	P4471-02	B-180-SB02	BF140012.D	24 Oct 2024 20:36	Internal Standrad Fail	RC/JU	ReRun
25	P4467-01	TP-1	BF140013.D	24 Oct 2024 21:04	Internal Standrad Fail	RC/JU	ReRun
26	P4460-04	WB-303-BOT	BF140014.D	24 Oct 2024 21:33	Internal Standrad Fail	RC/JU	ReRun
27	P4468-01	ETGI-331	BF140015.D	24 Oct 2024 22:01	Internal Standrad Fail	RC/JU	ReRun
28	P4485-01	D20241001-01-04	BF140016.D	24 Oct 2024 22:29	Internal Standrad Fail	RC/JU	ReRun
29	P4487-01	BP-B5	BF140017.D	24 Oct 2024 22:58	Internal Standrad Fail	RC/JU	ReRun
30	P4487-05	BP-F27	BF140018.D	24 Oct 2024 23:26	Internal Standrad Fail	RC/JU	Ok
31	P4487-05MS	BP-F27MS	BF140019.D	24 Oct 2024 23:54	Internal Standrad Fail	RC/JU	Ok,M
32	P4487-05MSD	BP-F27MSD	BF140020.D	25 Oct 2024 00:22	Internal Standrad Fail	RC/JU	Ok,M
33	P4485-02	D20241001-01-04	BF140021.D	25 Oct 2024 00:50	Internal Standrad Fail	RC/JU	ReRun
34	P4512-03	VNJ-212	BF140022.D	25 Oct 2024 01:19	Internal Standrad Fail	RC/JU	ReRun
35	P4470-01	CL-01-102124	BF140023.D	25 Oct 2024 01:46		RC/JU	Ok
36	P4472-05	BP-F-6	BF140024.D	25 Oct 2024 02:14	Internal Standrad Fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140049.D	26 Oct 2024 10:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140050.D	26 Oct 2024 10:38		RC/JU	Ok,M
3	PB164401BL	PB164401BL	BF140051.D	26 Oct 2024 11:06		RC/JU	Ok
4	PB164401BS	PB164401BS	BF140052.D	26 Oct 2024 11:34		RC/JU	Ok,M
5	P4508-09	BP-F22	BF140053.D	26 Oct 2024 12:06		RC/JU	Ok
6	P4508-09MS	BP-F22MS	BF140054.D	26 Oct 2024 12:34		RC/JU	Ok,M
7	P4508-09MSD	BP-F22MSD	BF140055.D	26 Oct 2024 13:02		RC/JU	Ok,M
8	P4547-05	BP-F-20	BF140056.D	26 Oct 2024 13:30		RC/JU	Ok
9	P4547-05MS	BP-F-20MS	BF140057.D	26 Oct 2024 13:58		RC/JU	Ok,M
10	P4547-05MSD	BP-F-20MSD	BF140058.D	26 Oct 2024 14:27		RC/JU	Ok,M
11	P4508-05	BP-F23	BF140059.D	26 Oct 2024 14:55		RC/JU	Ok
12	P4517-07	FOREST-ST-CO	BF140060.D	26 Oct 2024 15:23		RC/JU	Ok
13	P4487-08	BP-B27	BF140061.D	26 Oct 2024 15:51		RC/JU	Ok
14	P4460-04	WB-303-BOT	BF140062.D	26 Oct 2024 16:20		RC/JU	Ok
15	P4460-03	WB-303-BOT	BF140063.D	26 Oct 2024 16:48		RC/JU	Ok
16	P4471-02	B-180-SB02	BF140064.D	26 Oct 2024 17:16		RC/JU	Ok
17	P4508-12	BP-F22	BF140065.D	26 Oct 2024 17:44		RC/JU	Ok
18	P4508-04	TP-3	BF140066.D	26 Oct 2024 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4508-08	BP-F23	BF140067.D	26 Oct 2024 18:40		RC/JU	Ok
20	P4460-02	WB-303-TOP	BF140068.D	26 Oct 2024 19:09		RC/JU	Ok,M
21	P4547-01	BP-F-21	BF140069.D	26 Oct 2024 19:37		RC/JU	Ok
22	P4508-01	TP-3	BF140070.D	26 Oct 2024 20:05		RC/JU	Ok
23	P4545-01	VNJ-215	BF140071.D	26 Oct 2024 20:33		RC/JU	Ok,M
24	P4509-01	AU-06-10232024	BF140072.D	26 Oct 2024 21:01		RC/JU	Ok,M
25	P4531-01	OR-03-102424	BF140073.D	26 Oct 2024 21:29		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102324

Review By	yogesh	Review On	10/24/2024 1:43:12 AM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:34 AM		
SubDirectory	BM102324	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM048199.D	23 Oct 2024 11:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM048200.D	23 Oct 2024 12:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM048201.D	23 Oct 2024 13:05	Compound#54,56 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM048202.D	23 Oct 2024 13:45		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM048203.D	23 Oct 2024 14:24		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM048204.D	23 Oct 2024 15:04	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM048205.D	23 Oct 2024 15:43	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM048206.D	23 Oct 2024 16:23	The calibration Passed for 625.1 Method for all Compounds Except com#77	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM048207.D	23 Oct 2024 17:02	Comopunds#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM102324	BM048208.D	23 Oct 2024 17:46		RC/JU	Ok,M
11	PB164286BL	PB164286BL	BM048209.D	23 Oct 2024 18:25		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102424

Review By	yogesh	Review On	10/25/2024 11:54:54 PM		
Supervise By	mohammad	Supervise On	10/26/2024 4:14:29 AM		
SubDirectory	BM102424	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM048210.D	24 Oct 2024 10:31		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM048211.D	24 Oct 2024 11:11		RC/JU	Ok,M
3	PB164369BL	PB164369BL	BM048212.D	24 Oct 2024 11:50		RC/JU	Ok
4	P4368-08	LOQ-WATER-02-QT4-2	BM048213.D	24 Oct 2024 12:29	LOQ-WATER-5 PPM (Not used for Compound#6,69)	RC/JU	Ok,M
5	P4368-08	LOQ-WATER-02-QT4-2	BM048214.D	24 Oct 2024 13:09	LOQ-WATER-10 PPM (Not used for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
6	P4368-07	LOD-MDL-WATER-01-(	BM048215.D	24 Oct 2024 13:51	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
7	P4368-02	LOQ-SOIL-02-QT4-202	BM048216.D	24 Oct 2024 14:30	LOQ-SOIL-5 PPM (Not used for Compound#6,69)	RC/JU	Ok,M
8	P4368-02	LOQ-SOIL-02-QT4-202	BM048217.D	24 Oct 2024 15:10	LOQ-SOIL-10 PPM (Not used for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
9	P4368-08	LOQ-WATER-02-QT4-2	BM048218.D	24 Oct 2024 15:49	LOQ-WATER-10 PPM (Use for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
10	P4368-02	LOQ-SOIL-02-QT4-202	BM048219.D	24 Oct 2024 16:29	LOQ-SOIL-10 PPM (Use for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
11	P4368-08	LOQ-WATER-02-QT4-2	BM048220.D	24 Oct 2024 17:08	LOQ-WATER-5 PPM (Use for Compound#6,69)	RC/JU	Ok,M
12	P4368-02	LOQ-SOIL-02-QT4-202	BM048221.D	24 Oct 2024 17:48	LOQ-SOIL-5 PPM (Use for Compound#6,69)	RC/JU	Ok,M
13	P4368-07	LOD-MDL-WATER-01-(	BM048222.D	24 Oct 2024 18:27	LOD-MDL-WATER- 8 ppm	RC/JU	Ok,M
14	P4368-01	LOD-MDL-SOIL-01-QT-	BM048223.D	24 Oct 2024 19:07	LOD-MDL-SOIL- 4 ppm	RC/JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102424

Review By	yogesh	Review On	10/25/2024 11:54:54 PM		
Supervise By	mohammad	Supervise On	10/26/2024 4:14:29 AM		
SubDirectory	BM102424	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

15	P4368-01	LOD-MDL-SOIL-01-QT	BM048224.D	24 Oct 2024 19:46	LOD-MDL-SOIL- 8 ppm	RC/JU	Ok,M
16	PB164366BL	PB164366BL	BM048225.D	24 Oct 2024 20:26		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BM048226.D	24 Oct 2024 21:05		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102524

Review By	yogesh	Review On	10/26/2024 12:00:14 AM		
Supervise By	mohammad	Supervise On	10/28/2024 3:13:37 AM		
SubDirectory	BM102524	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM048227.D	25 Oct 2024 08:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM048228.D	25 Oct 2024 08:49		RC/JU	Ok,M
3	PB164382BL	PB164382BL	BM048229.D	25 Oct 2024 09:28		RC/JU	Ok
4	P4368-09	MDL-WATER-03-QT4-2	BM048230.D	25 Oct 2024 10:07	MDL-WATER-4 ppm	RC/JU	Ok,M
5	P4368-09	MDL-WATER-03-QT4-2	BM048231.D	25 Oct 2024 10:47	MDL-WATER-8 ppm	RC/JU	Ok,M
6	PB164369BS	PB164369BS	BM048232.D	25 Oct 2024 12:19	Internal Standard Fail	RC/JU	Not Ok
7	PB164369BSD	PB164369BSD	BM048233.D	25 Oct 2024 12:58		RC/JU	Ok
8	PB164401BL	PB164401BL	BM048234.D	25 Oct 2024 13:38		RC/JU	Ok
9	P4368-03	MDL-SOIL-03-QT4-202	BM048235.D	25 Oct 2024 14:17	MDL-SOIL-4 ppm	RC/JU	Ok,M
10	P4368-03	MDL-SOIL-03-QT4-202	BM048236.D	25 Oct 2024 14:56	MDL-SOIL-8 ppm	RC/JU	Ok,M
11	PB164369BS	PB164369BS	BM048237.D	25 Oct 2024 15:42		RC/JU	Ok
12	P4460-06	WB-303-SW	BM048238.D	25 Oct 2024 16:21		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040EC	BM048239.D	25 Oct 2024 17:00		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133000

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
P4442-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
P4442-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
P4442-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
P4442-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
P4442-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
P4442-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P4442-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
P4442-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
P4442-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
P4442-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
P4443-01	OG-315-HR-502-COMP-29	11	1.17	8.40	9.57	8.9	92.0	
P4443-02	OG-315-HR-502-VOC-29	12	1.15	8.40	9.55	8.8	91.1	
P4443-03	OG-315-HR-502-57	13	1.17	8.60	9.77	9.00	91.0	
P4443-04	OG-315-HR-502-58	14	1.19	8.50	9.69	9.16	93.8	
P4443-06	OG-315-HR-502-COMP-30	15	1.18	8.41	9.59	8.4	85.9	
P4443-07	OG-315-HR-502-VOC-30	16	1.15	8.70	9.85	8.39	83.2	
P4443-08	OG-315-HR-502-59	17	1.15	8.81	9.96	9.33	92.8	
P4443-09	OG-315-HR-502-60	18	1.12	8.76	9.88	7.99	78.4	
P4450-01	PIPE-0	19	1.00	1.00	2.00	2.00	100.0	wipe sample
P4450-02	PIPE-3	20	1.00	1.00	2.00	2.00	100.0	wipe sample
P4450-03	PIPE-5	21	1.00	1.00	2.00	2.00	100.0	wipe sample
P4452-01	ETGI-285	22	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4454-01	34542	23	1.15	8.50	9.65	9.00	92.4	
P4454-02	34543	24	1.15	8.82	9.97	9.32	92.6	
P4454-03	34542-43	25	1.15	8.83	9.98	9.44	93.9	
P4455-01	SU-4-101824	26	1.12	8.49	9.61	8.85	91.0	
P4455-02	SU-4-101824-E2	27	1.12	8.84	9.96	9.07	89.9	
P4456-01	PAD-10182024	29	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133000

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
P4457-01	KMA755I-END-1-1	30	1.00	1.00	2.00	2.00	100.0	pilc
P4457-02	KMA755I-END-1-2	31	1.00	1.00	2.00	2.00	100.0	pilc
P4457-03	KMA755I-END-2-1	32	1.00	1.00	2.00	2.00	100.0	pilc
P4457-04	KMA755I-END-2-2	33	1.00	1.00	2.00	2.00	100.0	pilc
P4457-05	BL270845LOK-END-1-1	34	1.00	1.00	2.00	2.00	100.0	pilc
P4457-06	BL270845LOK-END-1-2	35	1.00	1.00	2.00	2.00	100.0	pilc
P4457-07	BL270845LOK-END-2-1	36	1.00	1.00	2.00	2.00	100.0	pilc
P4457-08	BL270845LOK-END-2-1	37	1.00	1.00	2.00	2.00	100.0	pilc
P4457-09	BC260234LOK-END-1-1	38	1.00	1.00	2.00	2.00	100.0	pilc
P4457-10	BC260234LOK-END-1-2	39	1.00	1.00	2.00	2.00	100.0	pilc
P4457-11	BC260234LOK-END-2-1	40	1.00	1.00	2.00	2.00	100.0	pilc
P4457-12	BC260234LOK-END-2-1	41	1.00	1.00	2.00	2.00	100.0	pilc
P4457-13	SW633963-END-1-1	42	1.00	1.00	2.00	2.00	100.0	pilc
P4457-14	SW633963-END-1-2	43	1.00	1.00	2.00	2.00	100.0	pilc
P4457-15	SW633963-END-2-1	44	1.00	1.00	2.00	2.00	100.0	pilc
P4457-16	SW633963-END-2-2	45	1.00	1.00	2.00	2.00	100.0	pilc
P4458-01	280517	46	1.15	8.68	9.83	8.75	87.6	
P4459-01	60379	28	1.00	1.00	2.00	2.00	100.0	wipe sample
P4460-02	WB-303-TOP	47	1.19	8.52	9.71	5.58	51.5	
P4460-03	WB-303-BOT	48	1.15	8.81	9.96	8.21	80.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JB 133000

WorkList Name : %1-101824 **WorkList ID :** 184561 **Department :** Wet-Chemistry **Date :** 10-18-2024 08:02:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4442-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4442-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4443-01	OG-315-HR-502-COMP-29	Solid	Percent Solids	Cool 4 deg C	CHEM02	K11	10/18/2024	Chemtech -SO
P4443-02	OG-315-HR-502-VOC-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-03	OG-315-HR-502-57	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-04	OG-315-HR-502-58	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-06	OG-315-HR-502-COMP-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-07	OG-315-HR-502-VOC-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-08	OG-315-HR-502-59	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4443-09	OG-315-HR-502-60	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4450-01	PIPE-0	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/17/2024	Chemtech -SO
P4450-02	PIPE-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4450-03	PIPE-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO

Date/Time 10.18.24 1620

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: CB SM

Date/Time 10.18.24 1720

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JB WLC

WORKLIST(Hardcopy Internal Chain)

VB 133000

WorkList Name : %1-101824 **WorkList ID :** 184561 **Department :** Wet-Chemistry **Date :** 10-18-2024 08:02:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4452-01	ETGI-285	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4454-01	34542	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4454-02	34543	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4454-03	34542-43	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4455-01	SU-4-101824	Solid	Percent Solids	Cool 4 deg C	PSEG05	K41	10/18/2024	Chemtech -SO
P4455-02	SU-4-101824-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K41	10/18/2024	Chemtech -SO
P4456-01	PAD-10182024	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-01	KMA755I-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-02	KMA755I-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-03	KMA755I-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-04	KMA755I-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-05	BL270845LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-06	BL270845LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-07	BL270845LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-08	BL270845LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-09	BC260234LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-10	BC260234LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-11	BC260234LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-12	BC260234LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-13	SW633963-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-14	SW633963-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO

Date/Time 10-18-24 16:20

Raw Sample Received by: JB WC

Raw Sample Relinquished by: ef SM

Date/Time 10-18-24 17:30

Raw Sample Received by: ef SM

Raw Sample Relinquished by: JB WC

WORKLIST(Hardcopy Internal Chain)

VB 133000

WorkList Name : %1-101824 **WorkList ID :** 184561 **Department :** Wet-Chemistry **Date :** 10-18-2024 08:02:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4457-15	SW633963-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4457-16	SW633963-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4458-01	280517	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4459-01	60379	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/18/2024	Chemtech -SO
P4460-02	WB-303-TOP	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/18/2024	Chemtech -SO
P4460-03	WB-303-BOT	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/18/2024	Chemtech -SO

Date/Time 10.18.24 16:20

Raw Sample Received by: JD WOC

Raw Sample Relinquished by: CP SM

Date/Time 10.18.24 17:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JD WOC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164286

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/21/2024
Matrix :	Solid			**Extraction Start Time :**	09:28
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/21/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6524
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	EP2538
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Methylene Chloride	N/A	E3817
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:

1.5 ML Vial lot# 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24	RP (Ext. Lab)	RC/SVOC
12:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164286

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/21/2024

Sample ID	Client Sample ID	Test	(g) / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164286BL	SBLK286	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U5-1
PB164286BS	SLCS286	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
P4443-01	OG-315-HR-502-COMP-29	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	A		3
P4443-06	OG-315-HR-502-COMP-30	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	A		4
P4452-01	ETGI-285	SVOC-PAH	50.03	N/A	ritesh	Evelyn	1	B	Concrete	5
P4455-01	SU-4-101824	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		6
P4456-01	PAD-10182024	SVOC-PAH	50.04	N/A	ritesh	Evelyn	1	B	Concrete	U1-1
P4458-01	280517	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	H		2
P4460-02	WB-303-TOP	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		3
P4460-03	WB-303-BOT	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		4
P4460-03MS	WB-303-BOTMS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		5
P4460-03MSD	WB-303-BOTMSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6

* **Extracts relinquished on the same date as received.**

10/21/24

1642586
9:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4452 **WorkList ID :** 184624 **Department :** Extraction **Date :** 10-21-2024 08:37:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4443-01	OG-315-HR-502-COMP-29	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/17/2024	8270E
P4443-06	OG-315-HR-502-COMP-30	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/17/2024	8270E
P4452-01	ETGI-285	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	K51	10/17/2024	8270E
P4455-01	SU-4-101824	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/18/2024	8270E
P4456-01	PAD-10182024	Solid	SVOC-PAH	Cool 4 deg C	PSEG05	K41	10/18/2024	8270E
P4458-01	280517	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/18/2024	8270E
P4460-02	WB-303-TOP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/18/2024	8270E
P4460-03	WB-303-BOT	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	K51	10/18/2024	8270E

Date/Time 10/21/24 9:25
Raw Sample Received by: RT (Sept 1 of 2)
Raw Sample Relinquished by:

Date/Time 10/21/24 10:00
Raw Sample Received by:
Raw Sample Relinquished by: RT (Sept 1 of 2)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164369

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 10/23/2024

Extraction Start Time : 09:50

Extraction End Date : 10/23/2024

Extraction End Time : 14:50

Concentration By: EH

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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
LOD	1.0ML	~~N/A~~ 4 PPM 5 PPM	SP6507/6508
LOD	1.0ML	~~N/A~~ 8 PPM	SP6509
LOQ	1.0ML	~~N/A~~ 10 PPM	SP6510

f 10/23

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2551
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH. P4460-06 Limited volume recd.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24	RP (Ext. Lab)	Ju/SVOC
14:55	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164369

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 10/23/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164369BL	SBLK369	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP11
PB164369BS	SLCS369	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			12
PB164369BSD	SLCSD369	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			13
P4368-07	LOD-MDL-WATER-01-QT4-2024 4 PPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			14
P4368-08	LOQ-WATER-02-QT4-2024 10 PPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			15
P4460-06	WB-303-SW	SVOC-TCL BNA -20	490	6	RUPESH	rajesh	0.5	F		16
	LOD 5 PPM	"	1000	6	"	"	1			Sep 9
	LOD 6 PPM	"	1000	6	"	"	"			10

* **Extracts relinquished on the same date as received.**

10/23/24

164369
SM
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4460 **WorkList ID :** 184727 **Department :** Extraction **Date :** 10-23-2024 09:44:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4368-07	LOD-MDL-WATER-01-QT4-202	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8270E
P4368-08	LOQ-WATER-02-QT4-2024	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8270E
P4460-06	WB-303-SW	Water	EPH	1:1 HCl to pH < 2	PORT06	K51	10/18/2024	NJEPH
P4460-06	WB-303-SW	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	K51	10/18/2024	8270E

Date/Time 10/23/24 9:45
Raw Sample Received by: RJ (Sect Leader)
Raw Sample Relinquished by: RM SM

Date/Time 10/23/24 10:10
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RJ (Sect Leader)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : P4460

Test : SVOC-TCL BNA -20

Prepbatch ID : PB164286,PB164369,

Sequence ID/Qc Batch ID: BF102124,BF102224,BF102224,BF102324,BF102424,BF102624,BM102324,BM102424,BM102424,BI

Standard ID :
EP2538,EP2548,EP2550,EP2551,SP6506,SP6507/6508,SP6509,SP6510,SP6524,SP6558,SP6559,SP6573,SP6620,S
P6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628,SP6630,SP6638,

Chemical ID :
10ul/1000ul
sample,E2865,E3551,E3657,E3743,E3744,E3768,E3788,E3791,E3793,E3794,E3815,E3817,M5178,S10103,S10247,S
10393,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10978,S10979,S10980,S10996,S10997,S10998,S10
999,S11000,S11001,S11002,S11003,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11085,S11098,S11138,
S11141,S11159,S11494,S11541,S11557,S11566,S11649,S11762,S11766,S11771,S11772,S11773,S11774,S11775,S119
02,S12033,S12078,S12089,S12097,S12105,S12106,S12107,S12108,S12109,S 12110,S12111,S12113,S12117,S12126,
S12127,S12128,S12129,S12130,S12131,S12132,S12133,S12134,S12187,S12188,S12189,S12207,S12275,S12314,S
12322,S12323,S12453,S12454,S12455,S12456,S12457,S12458,S12459,S12460,S12461,S12509,S12510,W 3112,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3868	METHELENE CHLORIDE+ACETONE	EP2538	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 8000.00000ml of E3793 + 8000.00000ml of E3794 = Final Quantity: 1600.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2548	10/16/2024	04/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 10/16/2024

FROM 1000.00000ml of W3112 + 4000.00000ml of M5178 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2550	10/16/2024	04/16/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/16/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2551	10/18/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/18/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1366	LOQ & LOD 20 PPM	SP6506	05/16/2024	11/13/2024	Jagrut Upadhyay	None	None	mohammad ahmed 05/16/2024

FROM 0.20000ml of S11762 + 0.40000ml of S11557 + 0.40000ml of S11902 + 0.40000ml of S12089 + 18.60000ml of E3743 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2081	LOQ & LOD 8 PPM	SP6509	05/16/2024	11/13/2024	Jagrut Upadhyay	None	None	mohammad ahmed 05/16/2024

FROM 4.80000ml of E3743 + 3.20000ml of SP6506 = Final Quantity: 8.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3749	LOQ & LOD 10PPM	SP6510	05/16/2024	11/13/2024	Jagrut Upadhyay	None	None	mohammad ahmed 05/16/2024

FROM 5.00000ml of E3743 + 5.00000ml of SP6506 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6524	05/31/2024	11/29/2024	Jagrut Upadhyay	None	None	Yogesh Patel 06/13/2024

FROM 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6620	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12113 + 1.00000ml of S11085 + 1.00000ml of S11098 + 1.00000ml of S11159 + 1.00000ml of S12078 + 1.00000ml of S12275 + 3.83300ml of E3791 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6621	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.20000ml of E3791 + 0.80000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6622	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.40000ml of E3791 + 0.60000ml of SP6620 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6623	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.50000ml of E3791 + 0.50000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6624	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.60000ml of E3791 + 0.40000ml of SP6620 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6625	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.80000ml of E3791 + 0.20000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6626	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.90000ml of E3791 + 0.10000ml of SP6620 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6627	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.95000ml of E3791 + 0.05000ml of SP6620 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6628	09/11/2024	02/08/2025	Jagrut Upadhyay	None	None	mohammad ahmed 09/11/2024

FROM 0.01000ml of S12314 + 0.50000ml of E3791 + 0.50000ml of SP6627 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6630	09/13/2024	02/12/2025	Rahul Chavli	None	None	Yogesh Patel 10/29/2024

FROM 0.10000ml of S12134 + 0.10000ml of S12461 + 0.20000ml of S12453 + 0.30000ml of S11775 + 0.30000ml of S12510 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.70000ml of S11771 + 0.70000ml of S12105 + 0.80000ml of S12126 + 1.10000ml of S12110 + 1.10000ml of S12133 + 1.10000ml of S12460 + 1.20000ml of S12455 + 1.20000ml of S12456 + 1.20000ml of S12457 + 1.20000ml of S12458 + 1.20000ml of S12459 + 1.20000ml of S12509 + 1.30000ml of S11541 + 1.30000ml of S11772 + 1.30000ml of S11773 + 1.30000ml of S12106 + 1.30000ml of S12108 + 1.30000ml of S12111 + 1.30000ml of S12127 + 1.30000ml of S12129 + 1.30000ml of S12130 + 1.30000ml of S12131 + 1.30000ml of S12454 + 1.40000ml of S11774 + 1.40000ml of S12107 + 1.40000ml of S12109 + 1.40000ml of S12128 + 1.40000ml of S12132 + 163.00000ml of E3788 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24C0162011	11/16/2024	05/16/2024 / Rajesh	04/26/2024 / Rajesh	E3743

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H14626005	11/29/2024	05/29/2024 / Rajesh	05/23/2024 / Rajesh	E3744

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/09/2025	09/09/2024 / Rajesh	09/03/2024 / Rajesh	E3791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/17/2025	09/17/2024 / Rajesh	09/03/2024 / Rajesh	E3794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24H2762011	04/09/2025	10/09/2024 / Rajesh	10/09/2024 / Rajesh	E3817

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	03/29/2026	05/25/2022 / william	04/05/2022 / william	M5178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	03/13/2025	09/13/2024 / yogesh	05/18/2022 / Christian	S10393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10997

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10998

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10999

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11000

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11098

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	03/11/2025	09/11/2024 / Rahul	03/06/2023 / Christian	S11159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	03/13/2025	09/13/2024 / yogesh	09/18/2023 / Kiran	S11541

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	11/16/2024	05/16/2024 / Jagrut	09/18/2023 / Kiran	S11557

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	03/13/2025	09/13/2024 / anahy	11/09/2023 / Yogesh	S11649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	11/13/2024	05/13/2024 / Jagrut	11/21/2023 / Rahul	S11762

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/20/2025	08/20/2024 / Rahul	11/21/2023 / Rahul	S11771

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11772

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11773

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11775

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0197982	11/16/2024	05/16/2024 / Jagrut	11/21/2023 / rahul	S11902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	01/01/2025	07/01/2024 / Rahul	12/21/2023 / Rahul	S12033

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	03/11/2025	09/11/2024 / Rahul	01/31/2024 / Rahul	S12078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	11/16/2024	05/16/2024 / Jagrut	02/05/2024 / Rahul	S12089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	03/13/2025	09/13/2024 / anahy	02/05/2024 / Rahul	S12106

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	03/13/2025	09/13/2024 / anahy	02/05/2024 / Rahul	S12107

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	03/13/2025	09/13/2024 / anahy	02/05/2024 / Rahul	S12108

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	03/13/2025	09/13/2024 / anahy	02/05/2024 / Rahul	S12109

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	03/13/2025	09/13/2024 / anahy	02/05/2024 / Rahul	S12110

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	03/13/2025	09/13/2024 / anahy	02/05/2024 / Rahul	S12111

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12127

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12129

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12130

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12131

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12132

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12133

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12134

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	03/04/2025	09/04/2024 / anahy	05/30/2024 / Rahul	S12314

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	04/16/2025	10/16/2024 / anahy	05/30/2024 / Rahul	S12322

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	04/23/2025	10/23/2024 / anahy	05/30/2024 / Rahul	S12323

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12454

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12455

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12458

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12459

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12461

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12509

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

5580 Skylane Blvd
Santa Rosa, CA 95403

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Manufacturer's Quality System
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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
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S9236
to
S9240

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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~~S11097~~ S11096 to S11099

Manufacturer's Quality System
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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

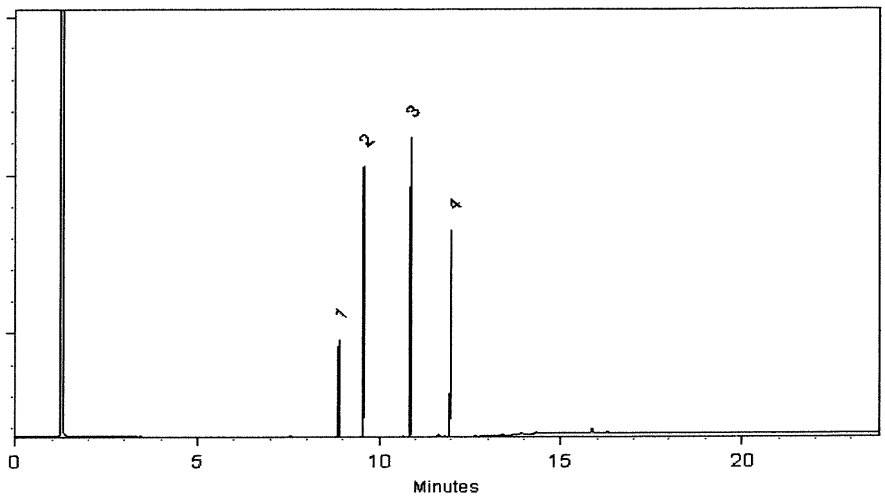
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Certificate #3222.02

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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

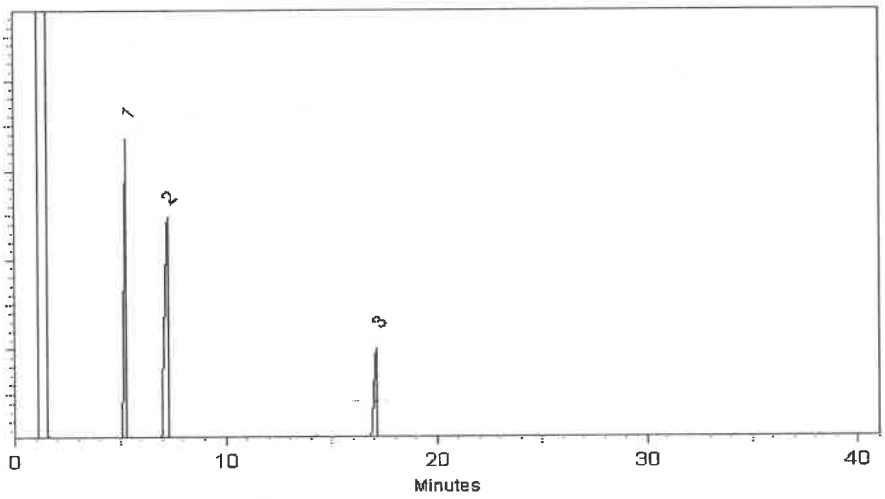
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

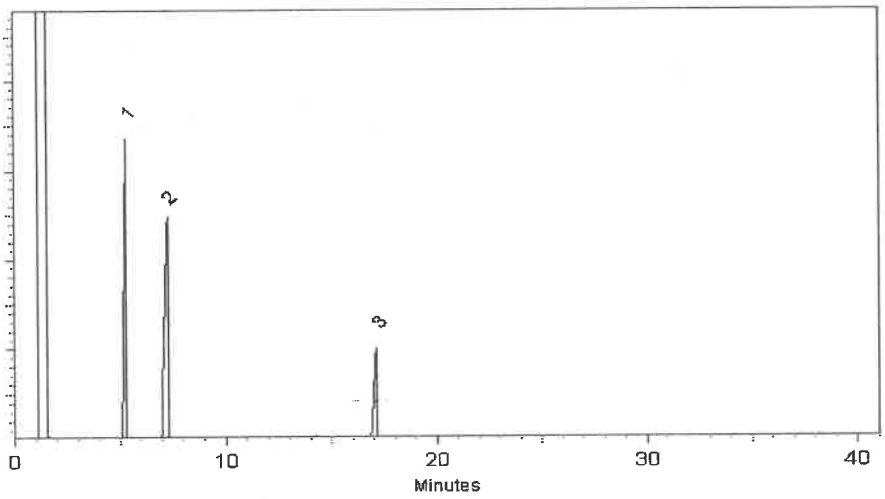
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

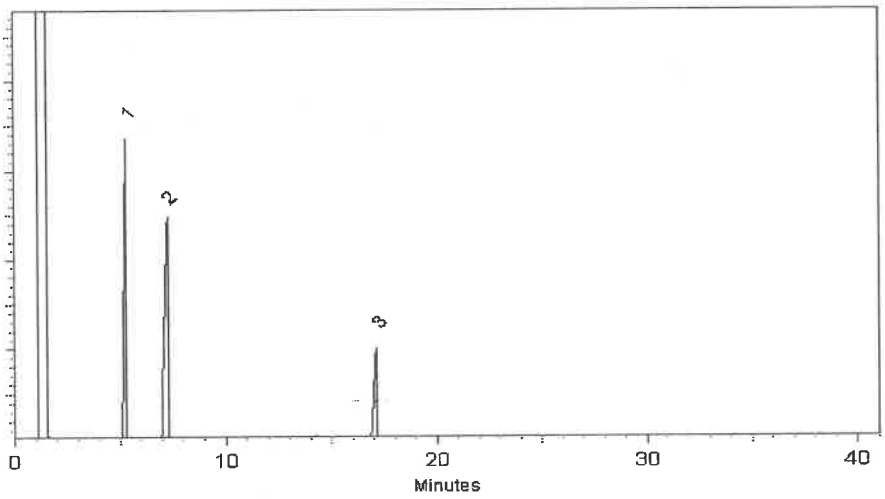
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

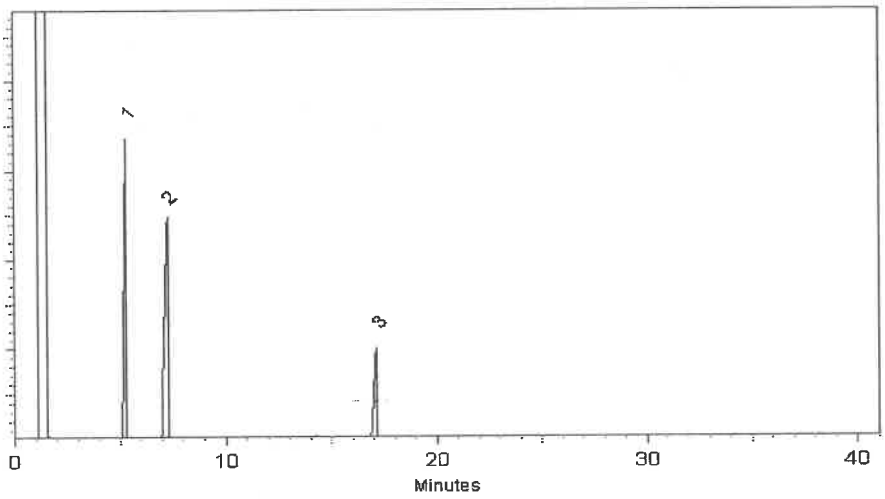
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

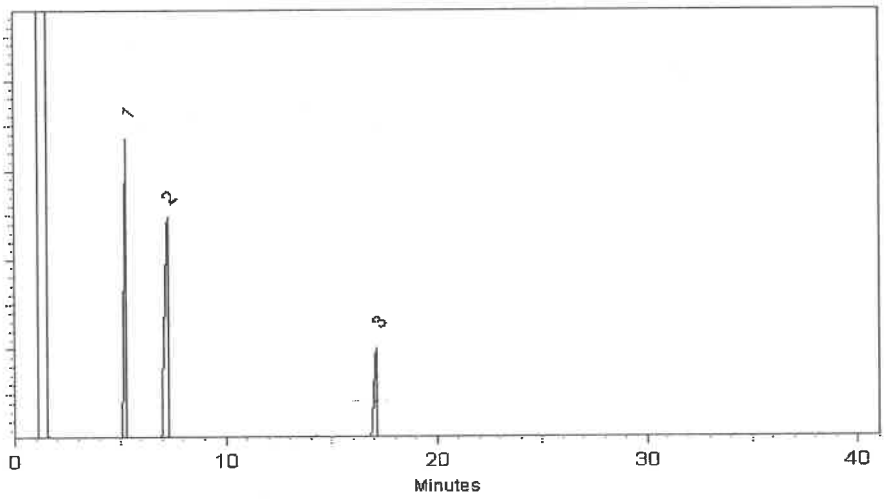
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

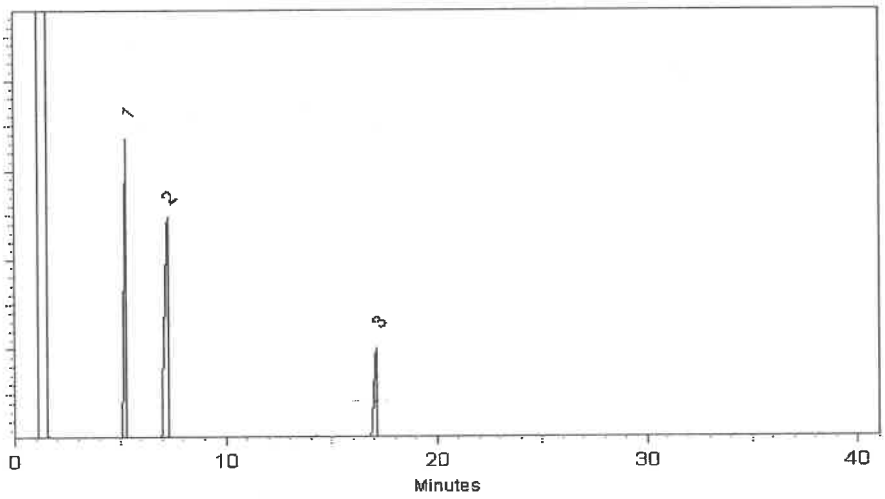
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

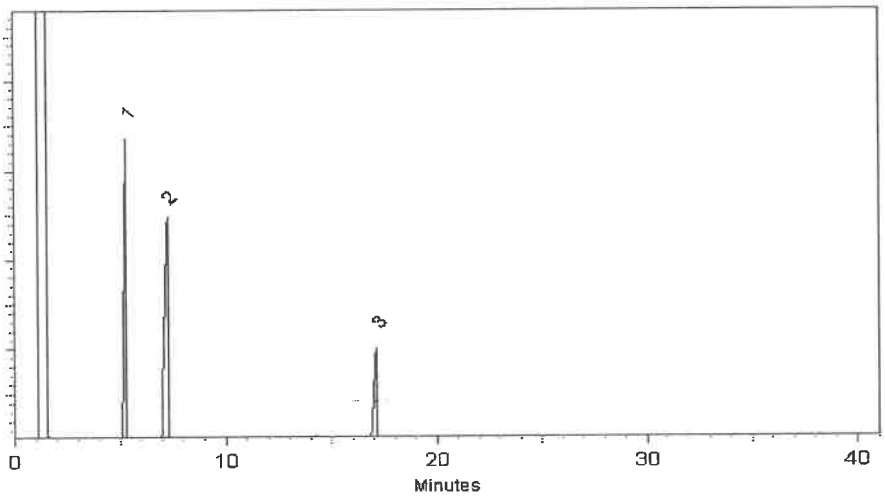
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

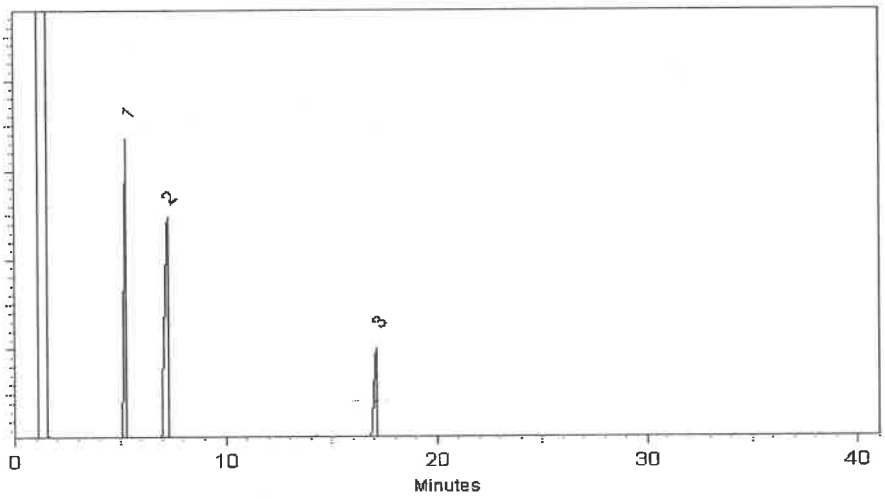
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

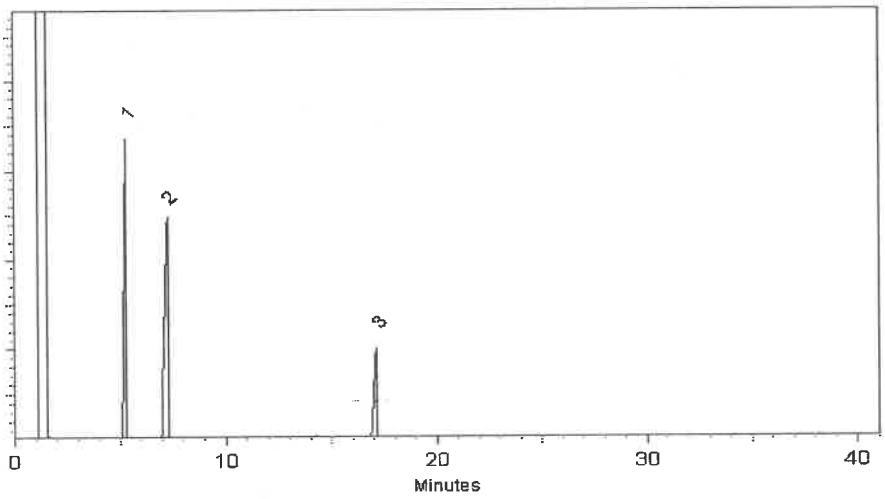
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

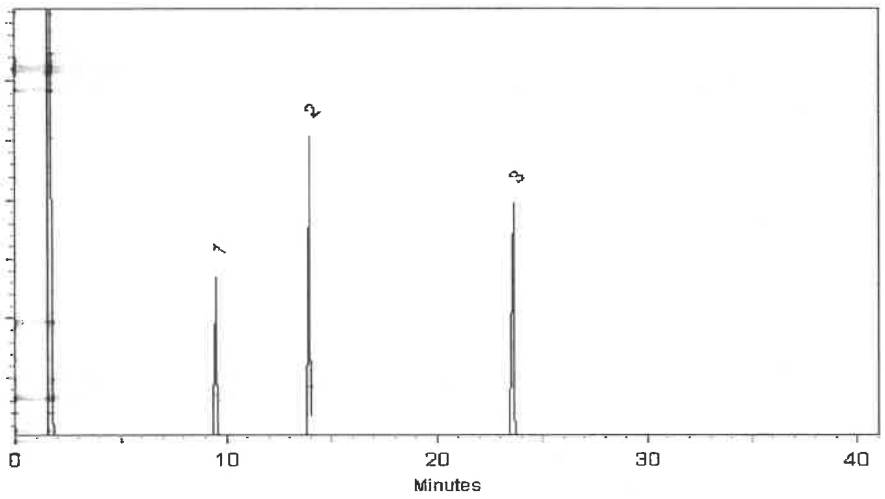
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

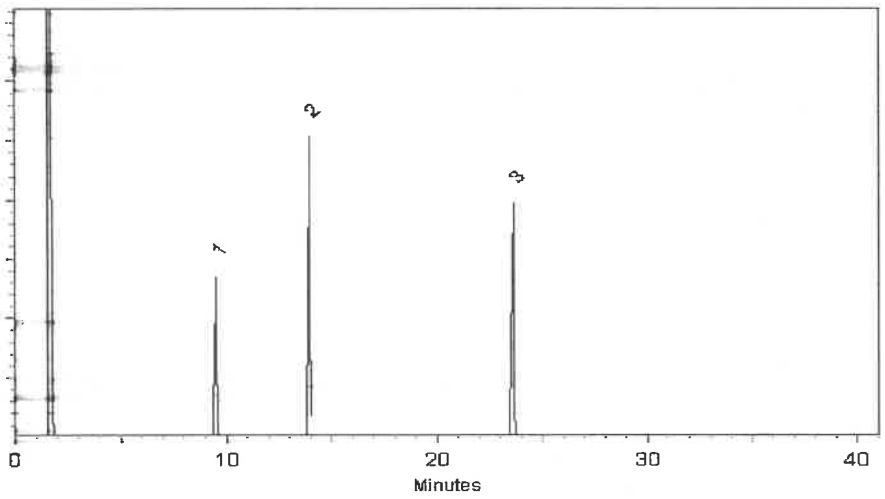
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

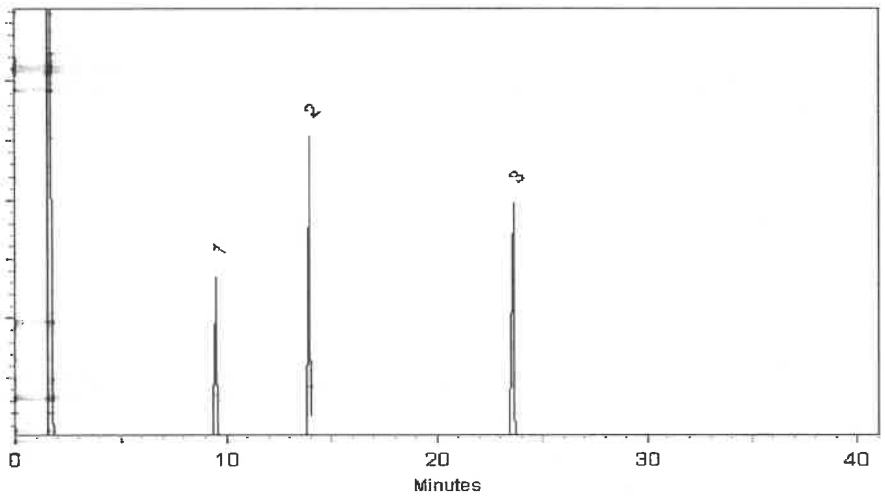
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

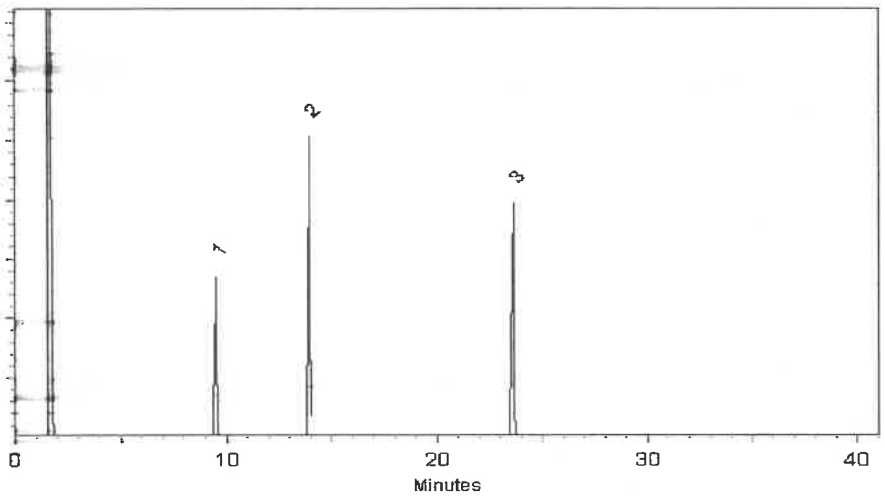
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
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Inj. Temp:
250°C

Det. Temp:
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

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Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
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Rtx-5 (cat.#10223)

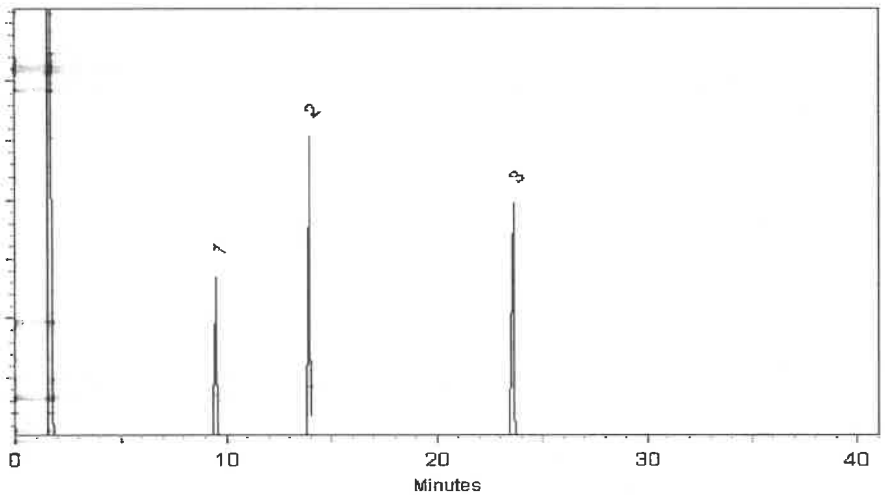
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
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Inj. Temp:
250°C

Det. Temp:
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Container Size : 5 mL **Pkg Amt:** > 5 mL

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Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

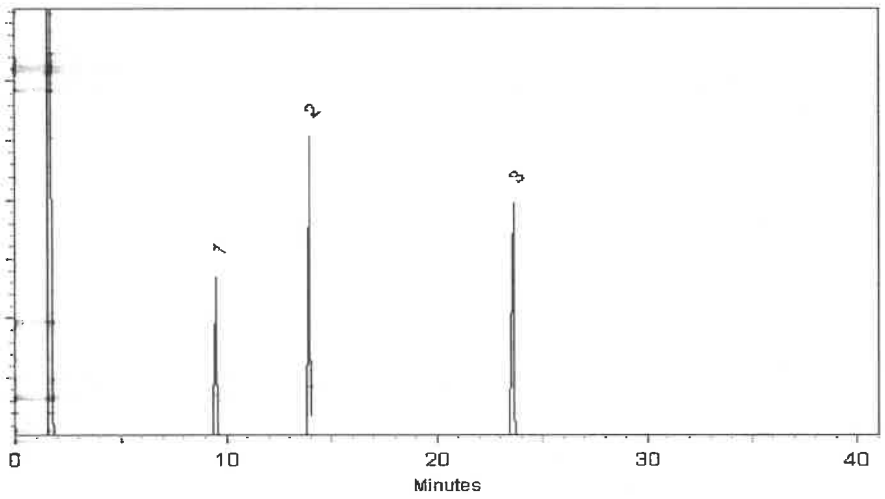
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Det. Temp:
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Container Size : 5 mL **Pkg Amt:** > 5 mL

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
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Rtx-5 (cat.#10223)

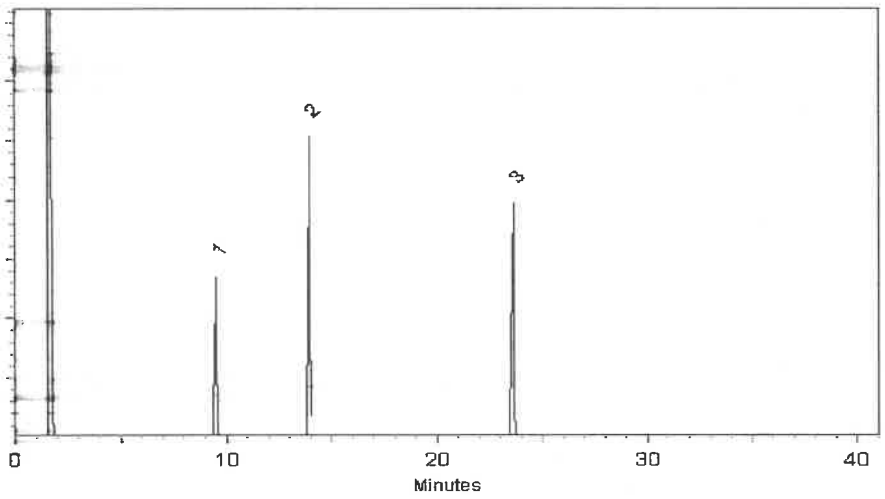
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hydrogen-constant pressure 10 psi.

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Det. Temp:
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FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
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Rtx-5 (cat.#10223)

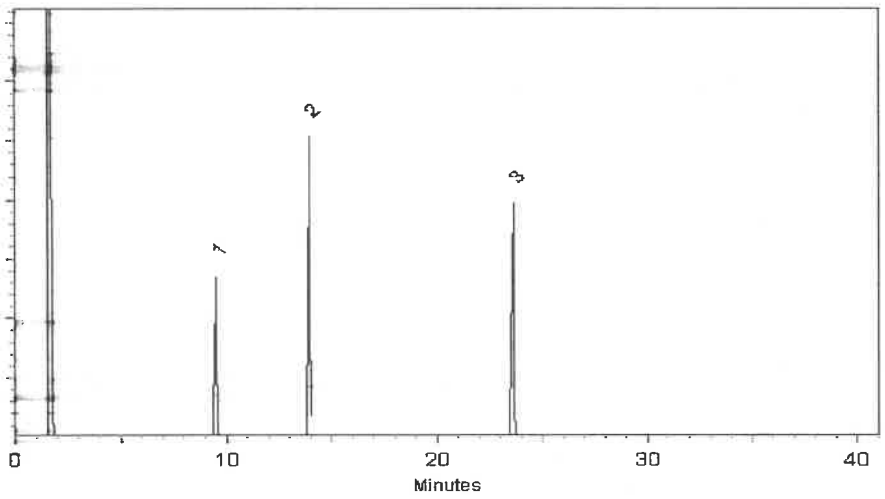
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Temp. Program:
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Inj. Temp:
250°C

Det. Temp:
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
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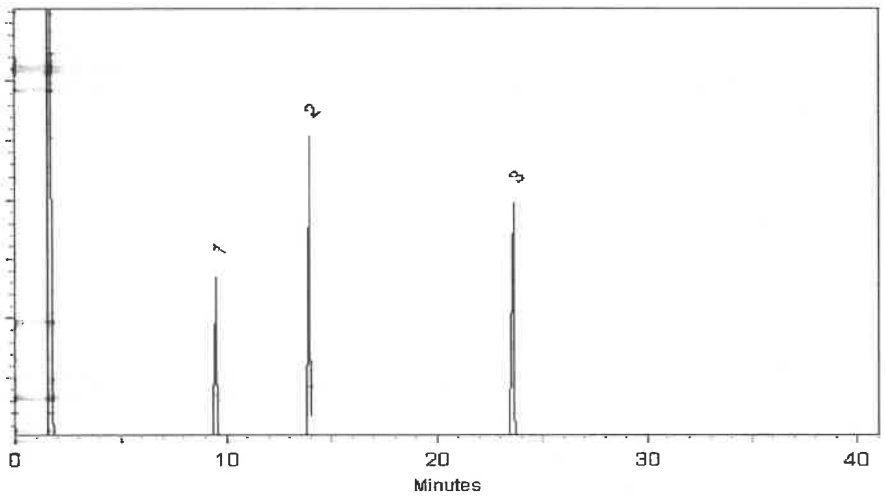
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FID



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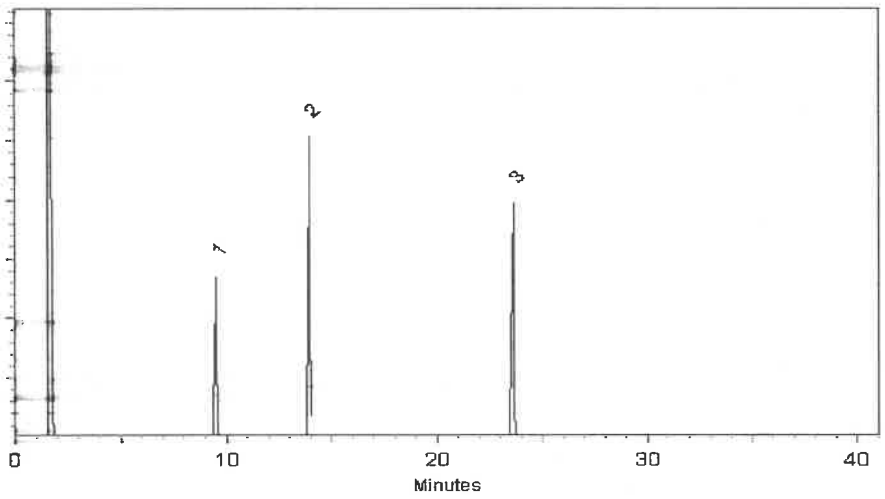
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

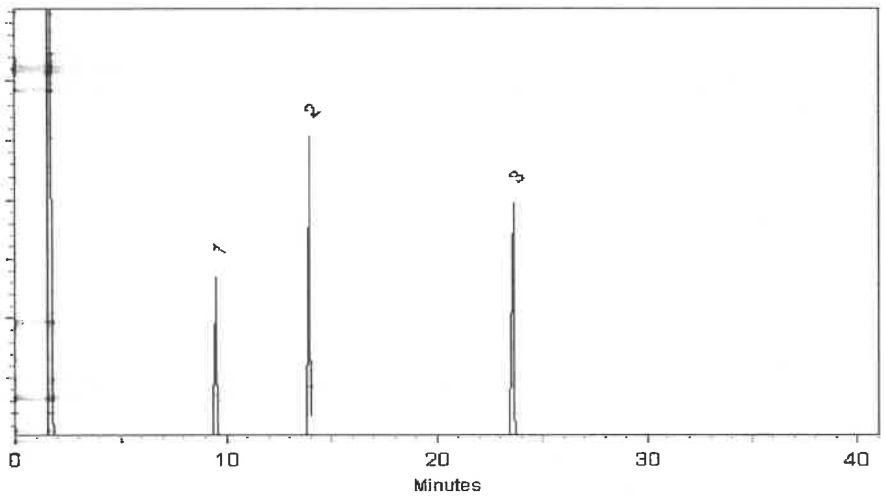
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

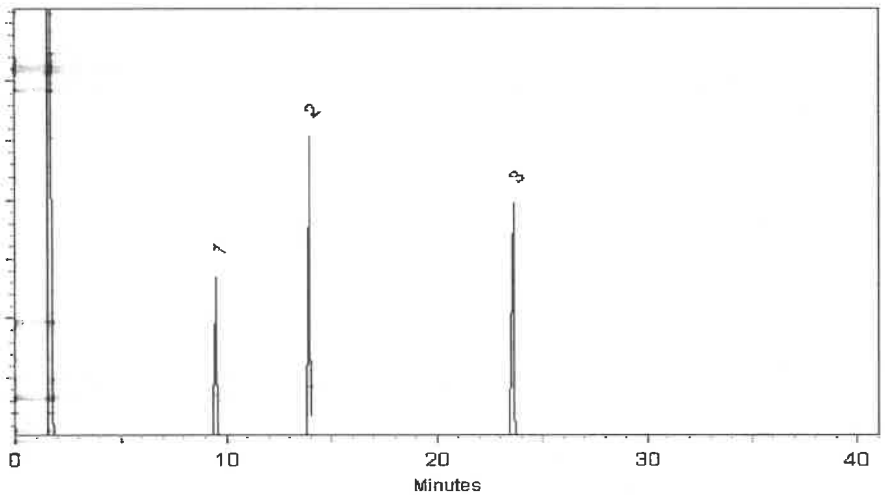
Carrier Gas:
hydrogen-constant pressure 10 psi.

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40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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CAS # 75-09-2
Purity 99%

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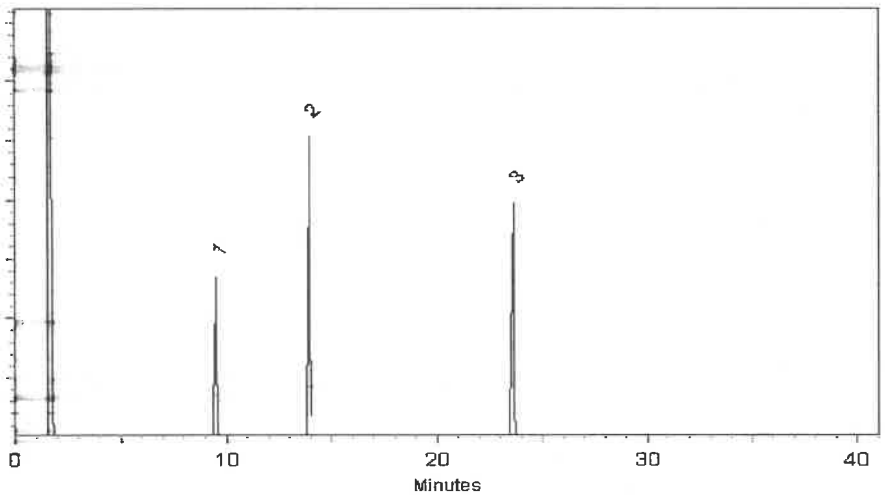
Carrier Gas:
hydrogen-constant pressure 10 psi.

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40°C (hold 2 min.) to 330°C
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250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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Purity 99%

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Column:
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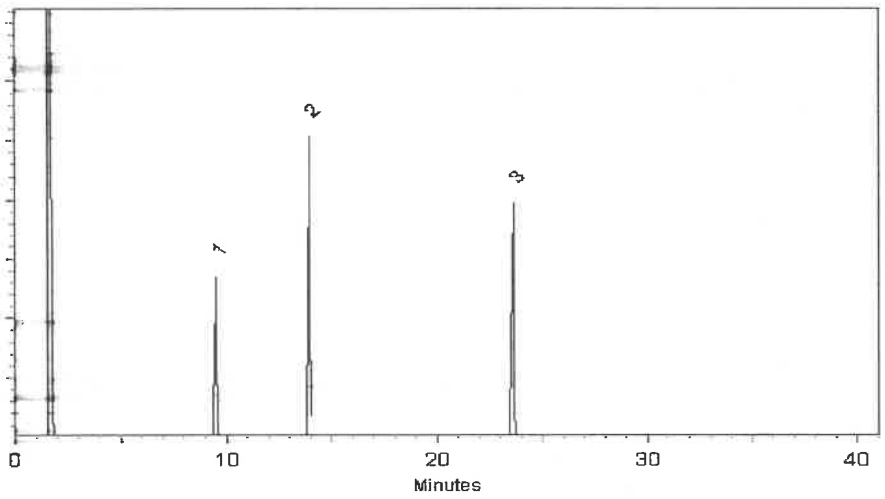
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Rtx-5 (cat.#10223)

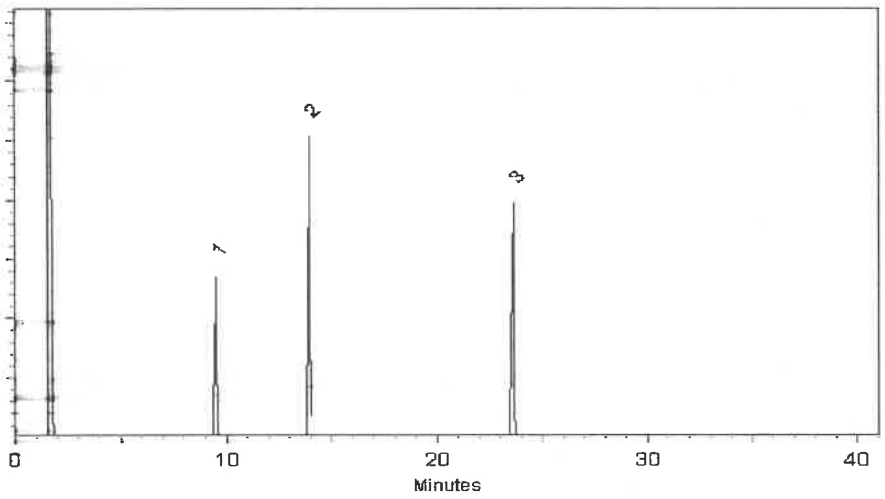
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ɜnded condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

ıds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ɔmpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

ɜrtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ıty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ıty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

ɜrage factor of 2, which gives a level of confidence of approximately 95%.

ıged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily Γ traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ɳ, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ɟards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ɜm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

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Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.B

Material No.: 926
Batch No.: 24C01E
Manufactured Date: 2024-C
Expiration Date: 2025-C
Revision I

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3743

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO2-76 PRODUCT CODE: SHIP DATE: 9/3/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G2362009
Manufactured Date: 2024-06-10
Expiration Date: 2025-09-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F10024

E 3791

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities - Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities - Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities - Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities - Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count - 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count - 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24H2762011
Manufactured Date: 2024-06-05
Expiration Date:2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3817

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 Y.P. 091 191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 Y.P. 091 191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0201940

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 Y.P. 091 191

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

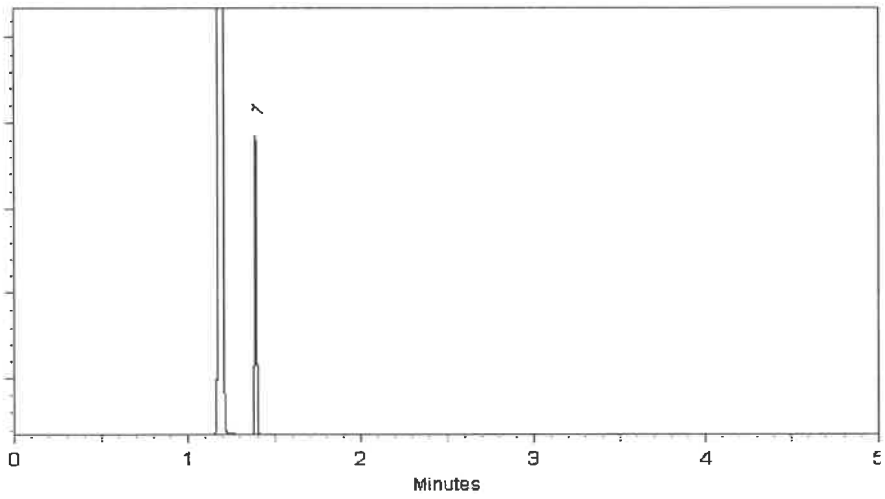
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

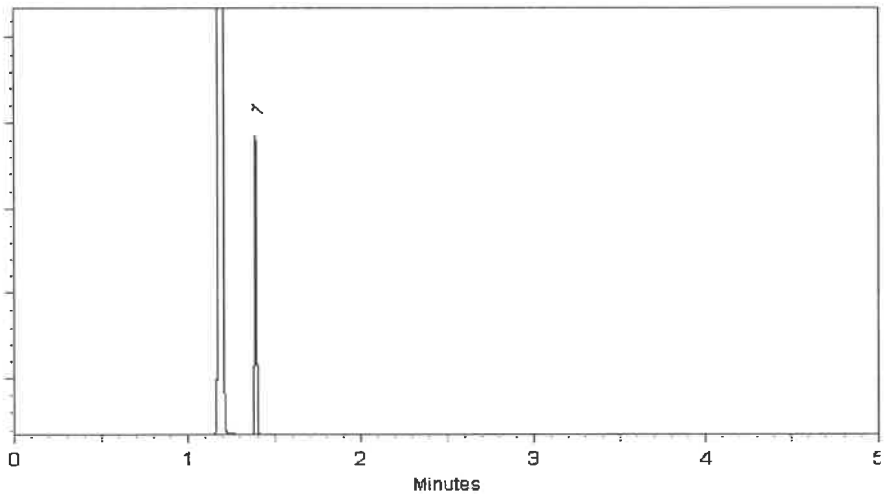
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
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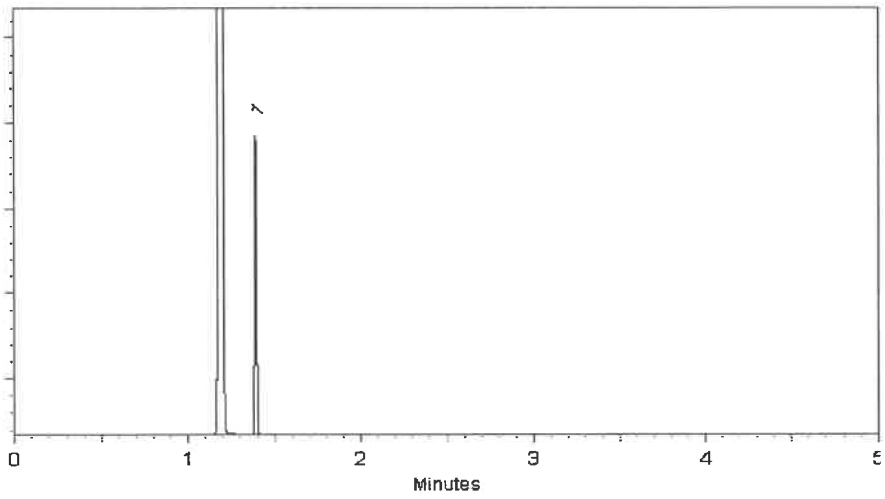
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Certificate of Analysis

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
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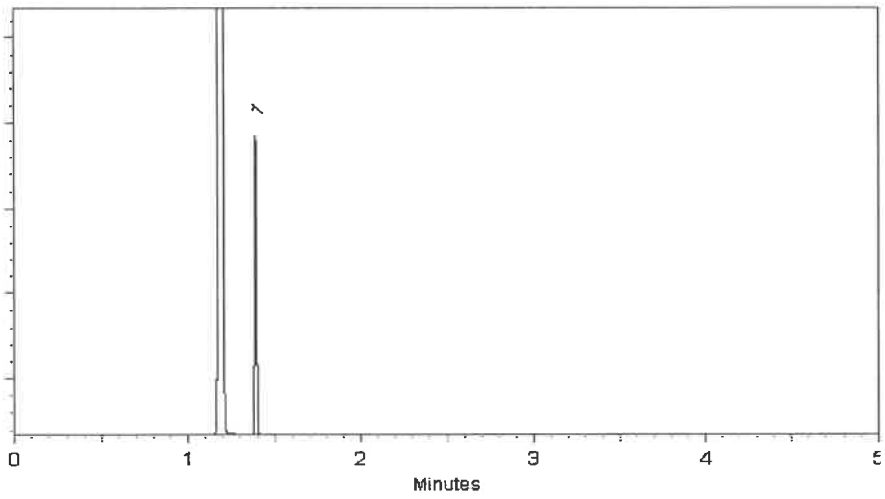
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

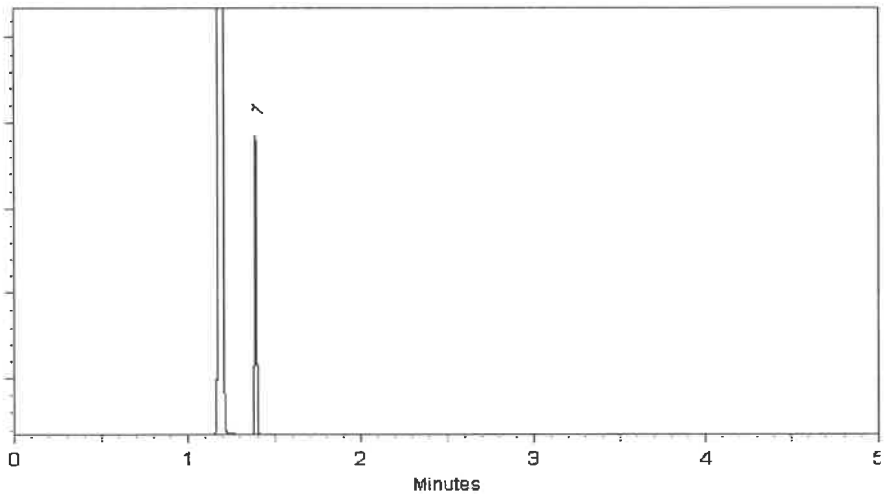
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

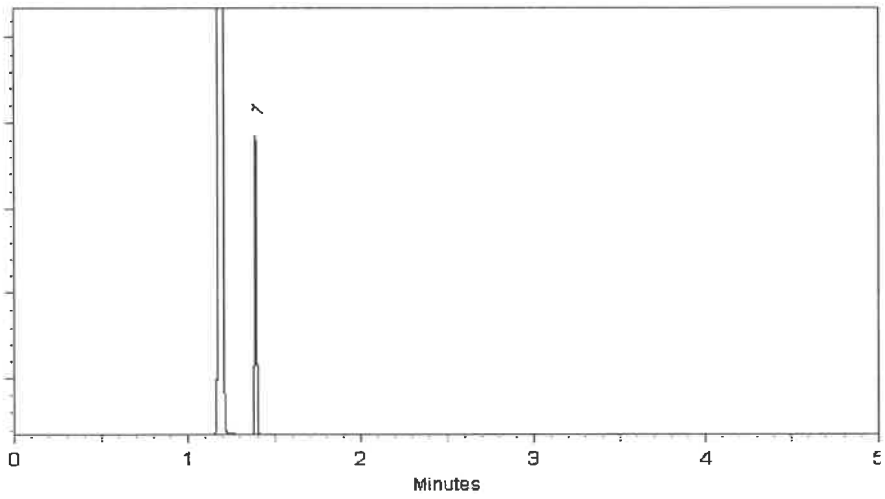
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

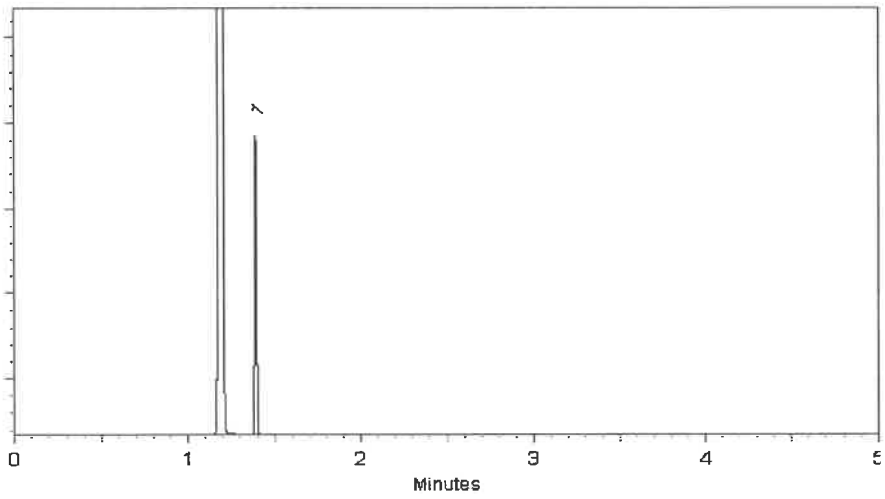
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
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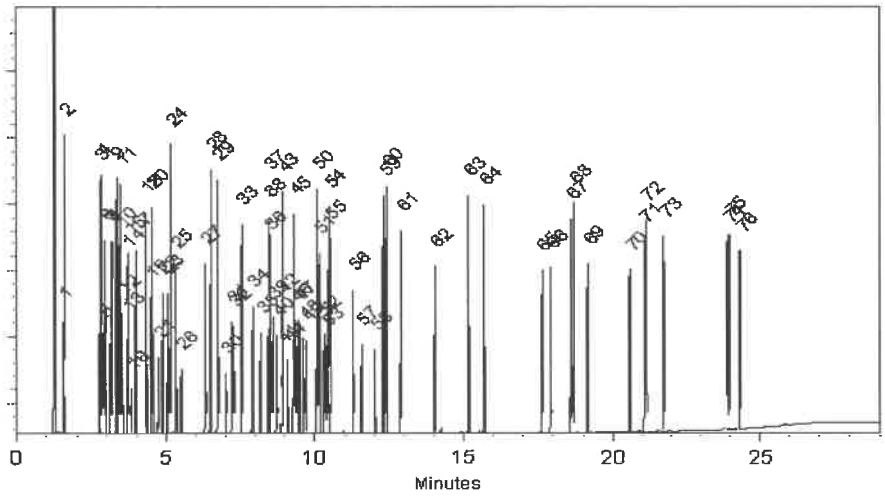
Inj. Temp:
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Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

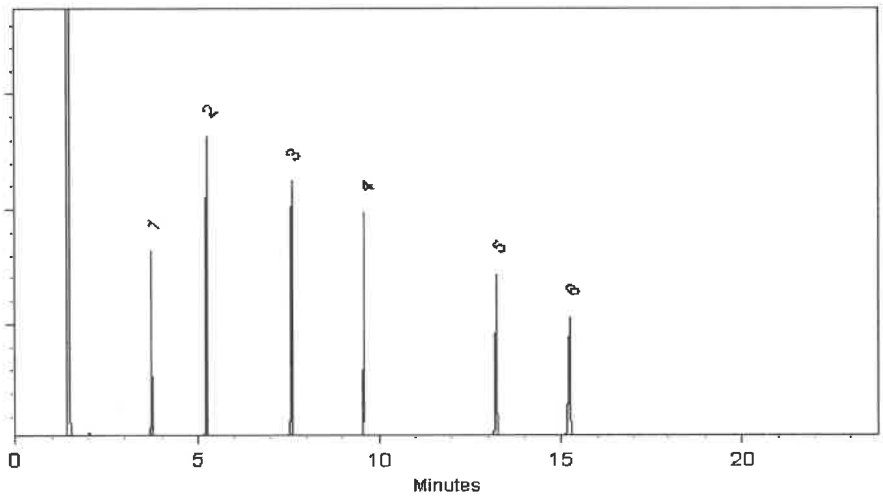
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
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5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Date Received:_____

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

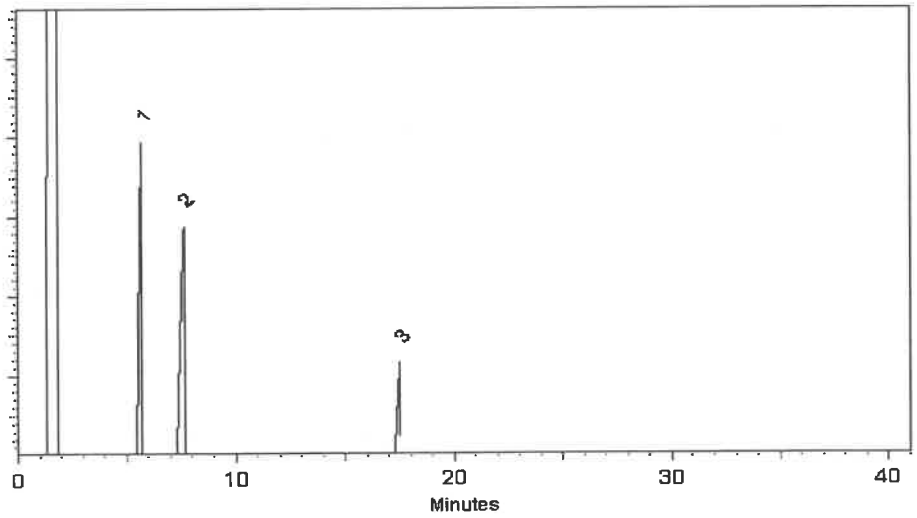
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

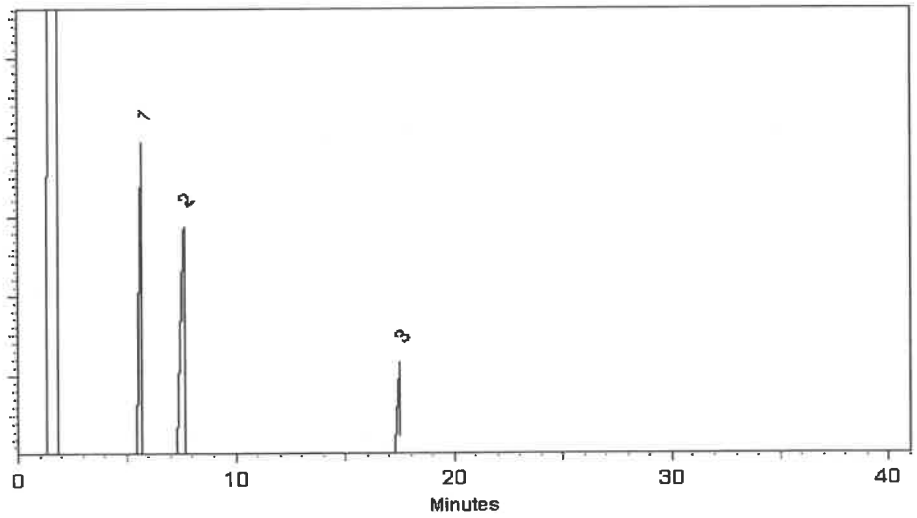
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

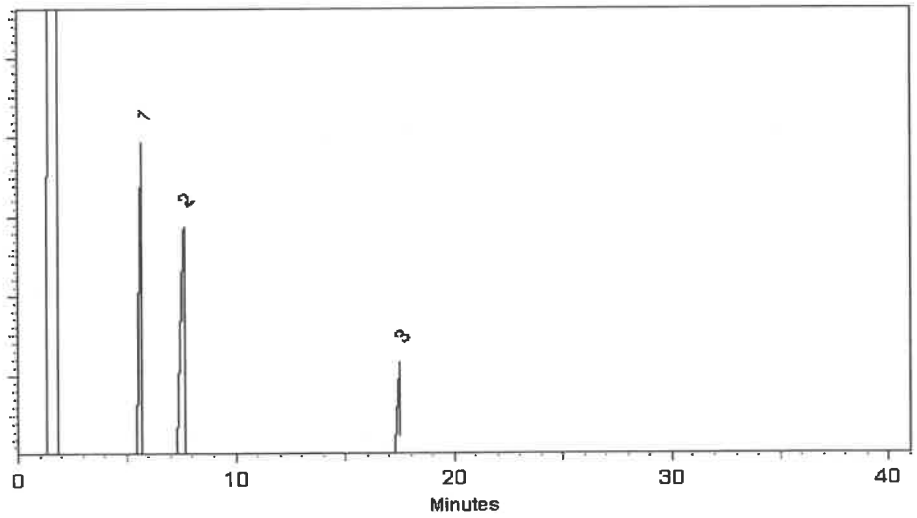
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

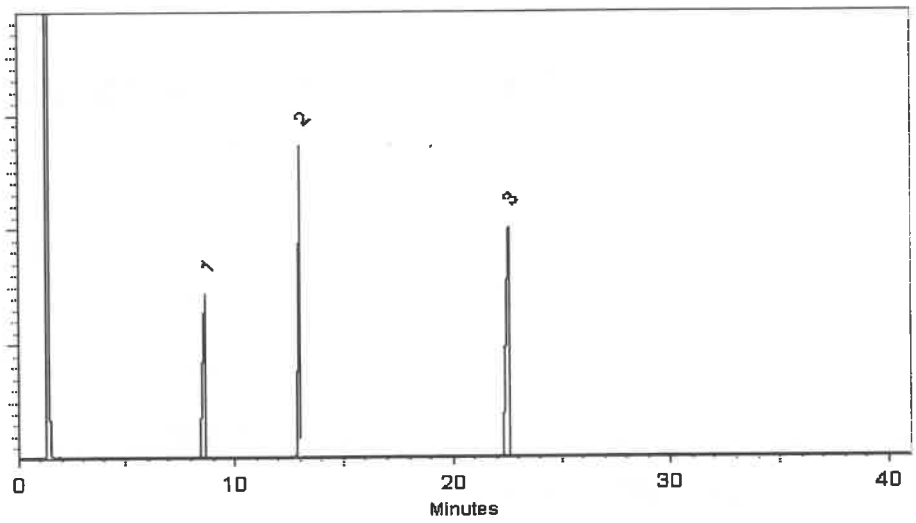
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

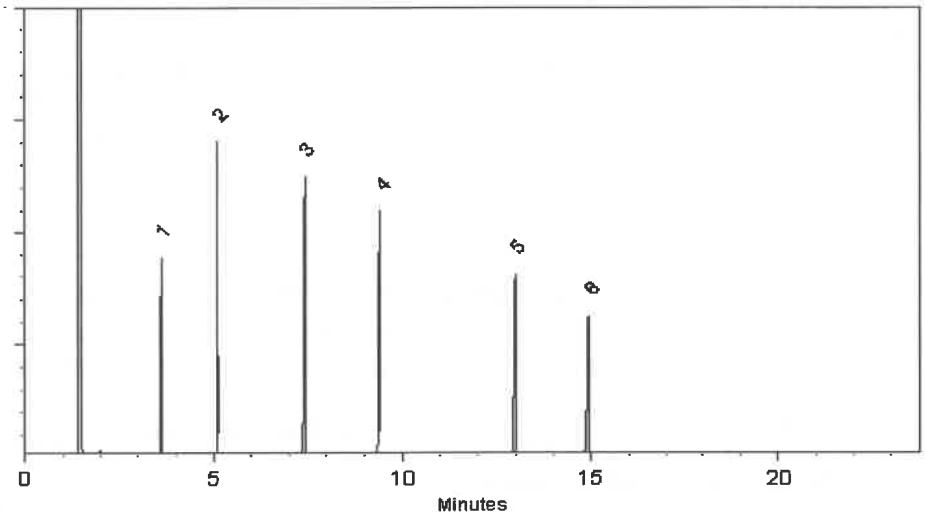
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

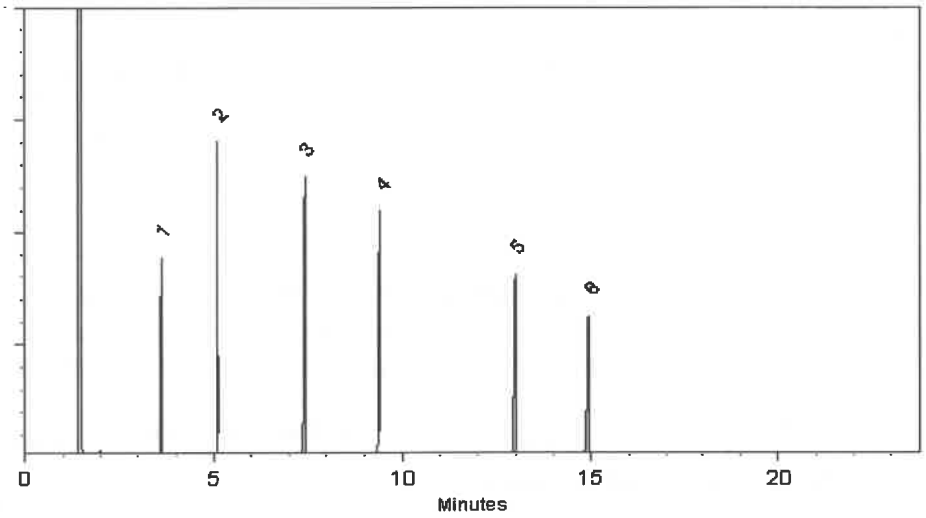
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

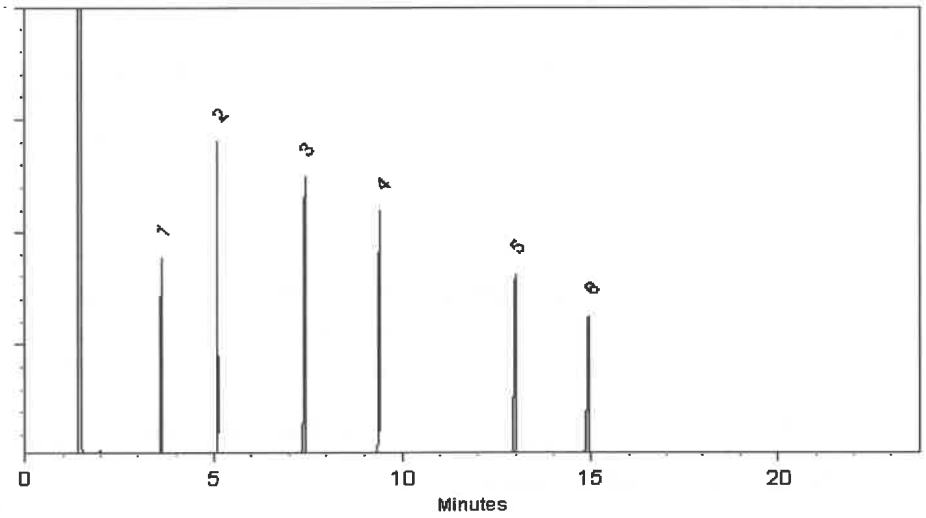
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Purity values are rounded to the nearest whole number.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Description : Custom 8270 Plus Standard #1

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

for Vrunda

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P4460/61
COC Number 2042033

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GANNETT FLEMING
ADDRESS: 1010 ADAMS AVENUE
CITY AUDUBON STATE: PA ZIP: 19403
ATTENTION: JOE KRUPANSKY
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANTRAK'S REPLACEMENT OF BRIDGE SAWTOOTH
PROJECT NO.: 9500000818 LOCATION: KEARNY, NJ
PROJECT MANAGER: JOE KRUPANSKY
e-mail: QAQC@bemgs.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: CHemtech PO#:
ADDRESS: 284 Sheffield St.
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha PHONE 908-728-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT BEM EDD

ANALYSIS

1 TCL VOC+10 · 2 TCL PAH · 3 PCB · 4 TAL METALS · 5 Cr(VI), Cr(III) · 6 EPH · 7 FULL TCLP · 8 RCRA PARAMETERS · 9 TOX

PRESERVATIVES

A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

COMMENTS

← Specify Preservatives

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
								A			B	F				
1.	WB-303-SH	GW	X		10/18	9:00	7	X	X	X	X	X	X			
2.	WB-303-TOP	S	X		10/18	9:50	11	X	X	X	X	X	X			
3.	WB-303-BOT	S	X		10/18	10:40	11	X	X	X	X	X	X	X	X	X
4.	TB-10182024	W			10/18	LAB	2	X								
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Nate Mirarchi	10/18/24 1450	1. 1450 10-18-24
2.	DATE/TIME:	2.
3.	DATE/TIME: 1600 10-18-24	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments: _____

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4460 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 10/18/2024 3:24:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 10/18/2024 4:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4460-02	WB-303-TOP	Solid	10/18/2024	09:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4460-03	WB-303-BOT	Solid	10/18/2024	10:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4460-05	TB-10182024	Water	10/18/2024	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4460-06	WB-303-SW	Water	10/18/2024	09:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By:
Date / Time : 10-18-24 1620

Received By :
Date / Time : 4:45 PM 10/18/24

Storage Area : VOA Refridgerator Room