284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1194

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1194-01	B-110-SB01
Q1194-02	B-110-SB02
Q1194-03	B-113-SB01
Q1194-04	B-113-SB02
Q1194-08	EB
Q1194-09	FB
Q1194-10	TB

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

Signature : _____

Date: 2/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1194**

	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: **NILESH PRAJAPATI** **Date:** **02/05/2025**

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LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	01/31/25	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	01/31/25	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	02/04/25	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	02/01/25	
Q1194-08	**EB**	**Water**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : B-110-SB01									
Q1194-01	B-110-SB01	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Hexanedioic acid, bis(2-ethylhexy	*	200.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	n-Hexadecanoic acid	*	170.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Propane, 1,1-dimethoxy-	*	90.800	JB	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	unknown2.346	*	160.000	J	0	0	ug/Kg
			Total Tics :		**750.80**				
			Total Concentration:		**750.80**				
Client ID : B-110-SB02									
Q1194-02	B-110-SB02	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Eicosane	*	140.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Hexanedioic acid, dioctyl ester	*	500.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Propane, 1,1-dimethoxy-	*	130.000	JB	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown13.869	*	130.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown16.739	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,410.00**				
			Total Concentration:		**1,410.00**				
Client ID : B-113-SB01									
Q1194-03	B-113-SB01	SOIL	Fluorene		110.000	J	98.4	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene		820.000		96.6	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Anthracene		180.000	J	97.1	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Fluoranthene		600.000		94	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene		430.000		95.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)anthracene		230.000		92.8	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Chrysene		200.000		91.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(b)fluoranthene		180.000	J	93.3	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)pyrene		170.000	J	110	200	ug/Kg
			Total Svoc :		**2,920.00**				
Q1194-03	B-113-SB01	SOIL	9,10-Dimethylanthracene	*	82.800	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	300.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo[e]pyrene	*	95.100	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Dibenzo[def,mno]chrysene	*	86.700	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Naphthalene, 2-phenyl-	*	130.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 1-methyl-	*	150.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 2-methyl-	*	150.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1194-03	B-113-SB01	SOIL	Propane, 1,1-dimethoxy-	*	120.000	JB	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	unknown12.398	*	80.900	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene, 1-methyl-	*	92.800	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Total PAH	*	2,900.000	J	1527.3	3200	ug/Kg
			Total Tics :		**4,378.30**				
			Total Concentration:		**7,298.30**				
Client ID :	**B-113-SB02**								
Q1194-04	B-113-SB02	SOIL	Adipic acid, 2-ethylhexyl octyl es	*	280.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	n-Hexadecanoic acid	*	380.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Propane, 1,1-dimethoxy-	*	160.000	JB	0	0	ug/Kg
			Total Tics :		**1,020.00**				
			Total Concentration:		**1,020.00**				
Client ID :	**EB**								
Q1194-08	EB	WATER	2-Propanol, 1-(2-methoxy-1-meth	*	3.200	J	0	0	ug/L
Q1194-08	EB	WATER	Benzophenone	*	2.100	J	0	0	ug/L
Q1194-08	EB	WATER	n-Hexadecanoic acid	*	14.700	J	0	0	ug/L
Q1194-08	EB	WATER	Octadecanoic acid	*	6.100	J	0	0	ug/L
Q1194-08	EB	WATER	Trifluoroacetoxy hexadecane	*	3.800	J	0	0	ug/L
			Total Tics :		**29.90**				
			Total Concentration:		**29.90**				



QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166294BL	PB166294BL	2-Fluorophenol	150	132	88		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.8	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	92.9	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	95		30 (10)	130 (116)
		Terphenyl-d14	100	85.6	86		30 (10)	130 (105)
PB166294BS	PB166294BS	2-Fluorophenol	150	133	88		30 (18)	130 (112)
		Phenol-d6	150	128	85		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.1	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.5	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	155	103		30 (10)	130 (116)
		Terphenyl-d14	100	95.8	96		30 (10)	130 (105)
Q1194-01	B-110-SB01	2-Fluorophenol	150	87.7	58		30 (18)	130 (112)
		Phenol-d6	150	84.9	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.0	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.4	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	81.0	54		30 (10)	130 (116)
		Terphenyl-d14	100	46.2	46		30 (10)	130 (105)
Q1194-02	B-110-SB02	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	69.9	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	47.9	48		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.0	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	61.9	41		30 (10)	130 (116)
		Terphenyl-d14	100	35.0	35		30 (10)	130 (105)
Q1194-03	B-113-SB01	2-Fluorophenol	150	110	74		30 (18)	130 (112)
		Phenol-d6	150	106	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.3	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.1	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	107	71		30 (10)	130 (116)
		Terphenyl-d14	100	60.0	60		30 (10)	130 (105)
Q1194-04	B-113-SB02	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	72.9	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.9	69		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	56.4	56		30 (10)	130 (105)
Q1194-04MS	B-113-SB02MS	2-Fluorophenol	150	93.0	62		30 (18)	130 (112)
		Phenol-d6	150	91.1	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.2	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.8	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.2	61		30 (10)	130 (116)
		Terphenyl-d14	100	52.5	53		30 (10)	130 (105)
Q1194-04MSD	B-113-SB02MSD	2-Fluorophenol	150	92.8	62		30 (18)	130 (112)
		Phenol-d6	150	89.2	59		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.3	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	60.9	61		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.9	59		30 (10)	130 (116)
		Terphenyl-d14	100	49.9	50		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166339BL	PB166339BL	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	81.4	81		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.3	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	81.6	82		30 (48)	130 (125)
PB166339BS	PB166339BS	2-Fluorophenol	150	136	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.4	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.6	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	152	102		15 (44)	110 (137)
		Terphenyl-d14	100	95.4	95		30 (48)	130 (125)
PB166339BSD	PB166339BSD	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.1	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	96.5	96		30 (48)	130 (125)
Q1194-08	EB	2-Fluorophenol	75	25.5	34		15 (10)	110 (139)
		Phenol-d6	75	16.6	22		15 (10)	110 (134)
		Nitrobenzene-d5	50	32.2	64		30 (49)	130 (133)
		2-Fluorobiphenyl	50	32.8	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	52.9	71		15 (44)	110 (137)
		Terphenyl-d14	50	35.1	70		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.: Q1194

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: Q1194-04MS		**Client Sample ID: B-113-SB02MS**						**DataFile: BF141352.D**			
Benzaldehyde	2600	0	330	ug/Kg	13	*			20 (10)	160 (86)	
Phenol	2600	0	2100	ug/Kg	81				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85				70 (54)	130 (125)	
2-Chlorophenol	2600	0	2200	ug/Kg	85				70 (79)	130 (107)	
2-Methylphenol	2600	0	2100	ug/Kg	81				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81				70 (65)	130 (110)	
Acetophenone	2600	0	2200	ug/Kg	85				70 (75)	130 (111)	
3+4-Methylphenols	2600	0	2200	ug/Kg	85				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Hexachloroethane	2600	0	2100	ug/Kg	81				20 (65)	160 (117)	
Nitrobenzene	2600	0	2100	ug/Kg	81				70 (70)	130 (119)	
Isophorone	2600	0	2200	ug/Kg	85				70 (76)	130 (122)	
2-Nitrophenol	2600	0	2200	ug/Kg	85				70 (54)	130 (145)	
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2600	0	2200	ug/Kg	85				70 (68)	130 (112)	
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (118)	
Naphthalene	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
4-Chloroaniline	2600	0	450	ug/Kg	17	*			70 (10)	130 (91)	
Hexachlorobutadiene	2600	0	2000	ug/Kg	77				70 (66)	130 (114)	
Caprolactam	2600	0	2200	ug/Kg	85				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2600	0	2200	ug/Kg	85				70 (57)	130 (132)	
2-Methylnaphthalene	2600	0	2100	ug/Kg	81				70 (59)	130 (123)	
Hexachlorocyclopentadiene	5100	0	6900	ug/Kg	135				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
1,1-Biphenyl	2600	0	2200	ug/Kg	85				70 (75)	130 (113)	
2-Chloronaphthalene	2600	0	2100	ug/Kg	81				70 (67)	130 (118)	
2-Nitroaniline	2600	0	2200	ug/Kg	85				70 (69)	130 (127)	
Dimethylphthalate	2600	0	2300	ug/Kg	88				70 (70)	130 (113)	
Acenaphthylene	2600	0	2300	ug/Kg	88				70 (79)	130 (118)	
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81				70 (70)	130 (125)	
3-Nitroaniline	2600	0	1400	ug/Kg	54	*			70 (30)	130 (99)	
Acenaphthene	2600	0	2400	ug/Kg	92				70 (70)	130 (121)	
2,4-Dinitrophenol	5100	0	5000	ug/Kg	98				20 (10)	160 (155)	
4-Nitrophenol	5100	0	3800	ug/Kg	75				20 (45)	160 (133)	
Dibenzofuran	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
2,4-Dinitrotoluene	2600	0	2200	ug/Kg	85				70 (55)	130 (128)	
Diethylphthalate	2600	0	2200	ug/Kg	85				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2600	0	2100	ug/Kg	81				70 (71)	130 (108)	
Fluorene	2600	0	2000	ug/Kg	77				70 (68)	130 (116)	
4-Nitroaniline	2600	0	1900	ug/Kg	73				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2600	0	2800	ug/Kg	108				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2600	0	2500	ug/Kg	96				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92				70 (65)	130 (121)	
Hexachlorobenzene	2600	0	2300	ug/Kg	88				70 (67)	130 (118)	
Atrazine	2600	0	2400	ug/Kg	92				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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	5100	0	4300	ug/Kg	84				20 (47)	160 (128)	
Phenanthrene	2600	0	2200	ug/Kg	85				70 (52)	130 (128)	
Anthracene	2600	0	2300	ug/Kg	88				70 (62)	130 (124)	
Carbazole	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Di-n-butylphthalate	2600	0	2400	ug/Kg	92				70 (69)	130 (118)	
Fluoranthene	2600	0	2000	ug/Kg	77				70 (44)	130 (125)	
Pyrene	2600	0	1800	ug/Kg	69	*			70 (26)	130 (142)	
Butylbenzylphthalate	2600	0	2100	ug/Kg	81				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2600	0	1500	ug/Kg	58	*			70 (33)	130 (116)	
Benzo(a)anthracene	2600	0	2100	ug/Kg	81				70 (71)	130 (114)	
Chrysene	2600	0	2300	ug/Kg	88				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2600	0	2200	ug/Kg	85				70 (42)	130 (169)	
Di-n-octyl phthalate	2600	0	2600	ug/Kg	100				70 (23)	130 (175)	
Benzo(b)fluoranthene	2600	0	2400	ug/Kg	92				70 (67)	130 (121)	
Benzo(k)fluoranthene	2600	0	2400	ug/Kg	92				70 (57)	130 (134)	
Benzo(a)pyrene	2600	0	2500	ug/Kg	96				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*			70 (43)	130 (123)	
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2600	0	2200	ug/Kg	85				70 (69)	130 (124)	
1,4-Dioxane	2600	0	1900	ug/Kg	73				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2600	0	2300	ug/Kg	88				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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: Q1194-04MSD		**Client Sample ID: B-113-SB02MSD**						**DataFile: BF141353.D**			
Benzaldehyde	2600	0	330	ug/Kg	13	*	0		20 (10)	160 (86)	30 (20)
Phenol	2600	0	2100	ug/Kg	81		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2600	0	2200	ug/Kg	85		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2600	0	2000	ug/Kg	77		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81		0		70 (65)	130 (110)	30 (20)
Acetophenone	2600	0	2100	ug/Kg	81		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2600	0	2200	ug/Kg	85		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2600	0	2100	ug/Kg	81		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (119)	30 (20)
Isophorone	2600	0	2200	ug/Kg	85		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2600	0	2200	ug/Kg	85		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2600	0	2100	ug/Kg	81		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (118)	30 (20)
Naphthalene	2600	0	2000	ug/Kg	77		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2600	0	600	ug/Kg	23	*	30		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2600	0	2000	ug/Kg	77		0		70 (66)	130 (114)	30 (20)
Caprolactam	2600	0	2100	ug/Kg	81		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2600	0	2100	ug/Kg	81		5		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2600	0	2100	ug/Kg	81		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	5100	0	6600	ug/Kg	129		5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2600	0	2100	ug/Kg	81		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2600	0	2100	ug/Kg	81		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2600	0	2000	ug/Kg	77		5		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2600	0	2200	ug/Kg	85		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2600	0	2200	ug/Kg	85		3		70 (70)	130 (113)	30 (20)
Acenaphthylene	2600	0	2200	ug/Kg	85		3		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2600	0	1400	ug/Kg	54	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	2600	0	2300	ug/Kg	88		4		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	5100	0	4800	ug/Kg	94		4		20 (10)	160 (155)	30 (20)
4-Nitrophenol	5100	0	3600	ug/Kg	71		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	2600	0	2100	ug/Kg	81		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2600	0	2100	ug/Kg	81		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2600	0	2200	ug/Kg	85		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2600	0	2000	ug/Kg	77		5		70 (71)	130 (108)	30 (20)
Fluorene	2600	0	2000	ug/Kg	77		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2600	0	1900	ug/Kg	73		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2600	0	2700	ug/Kg	104		4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2600	0	2400	ug/Kg	92		4		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2600	0	2300	ug/Kg	88		0		70 (67)	130 (118)	30 (20)
Atrazine	2600	0	2300	ug/Kg	88		4		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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	5100	0	4100	ug/Kg	80		5		20 (47)	160 (128)	30 (20)
Phenanthrene	2600	0	2200	ug/Kg	85		0		70 (52)	130 (128)	30 (20)
Anthracene	2600	0	2300	ug/Kg	88		0		70 (62)	130 (124)	30 (20)
Carbazole	2600	0	2000	ug/Kg	77		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2600	0	2300	ug/Kg	88		4		70 (69)	130 (118)	30 (20)
Fluoranthene	2600	0	2000	ug/Kg	77		0		70 (44)	130 (125)	30 (20)
Pyrene	2600	0	1700	ug/Kg	65	*	6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2600	0	2000	ug/Kg	77		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2600	0	1600	ug/Kg	62	*	7		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2600	0	2000	ug/Kg	77		5		70 (71)	130 (114)	30 (20)
Chrysene	2600	0	2200	ug/Kg	85		3		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2600	0	2100	ug/Kg	81		5		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2600	0	2500	ug/Kg	96		4		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2600	0	2200	ug/Kg	85		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2600	0	2600	ug/Kg	100		8		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2600	0	2400	ug/Kg	92		4		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*	0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*	0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2600	0	2100	ug/Kg	81		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2600	0	1900	ug/Kg	73		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2600	0	2200	ug/Kg	85		3		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166294BS	Benzaldehyde	1700	200	ug/Kg	12		*		20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				70 (63)	130 (95)	
	Hexachloroethane	1700	1600	ug/Kg	94				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	720	ug/Kg	42		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	900	ug/Kg	53		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3400	ug/Kg	103				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1600	ug/Kg	94				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166294BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3400	ug/Kg	103				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1800	ug/Kg	106				70 (61)	130 (105)	
	Carbazole	1700	1800	ug/Kg	106				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				70 (58)	130 (104)	
	Fluoranthene	1700	1800	ug/Kg	106				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	800	ug/Kg	47		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BS	Benzaldehyde	50	6.70	ug/L	13		*		20 (10)	160 (162)	
	Phenol	50	46.5	ug/L	93				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	45.8	ug/L	92				70 (62)	130 (103)	
	2-Chlorophenol	50	49.1	ug/L	98				70 (70)	130 (117)	
	2-Methylphenol	50	46.5	ug/L	93				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	45.0	ug/L	90				70 (65)	130 (100)	
	Acetophenone	50	50.6	ug/L	101				70 (60)	130 (104)	
	3+4-Methylphenols	50	49.1	ug/L	98				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	47.5	ug/L	95				70 (57)	130 (107)	
	Hexachloroethane	50	49.7	ug/L	99				20 (76)	160 (118)	
	Nitrobenzene	50	47.1	ug/L	94				70 (58)	130 (106)	
	Isophorone	50	48.6	ug/L	97				70 (61)	130 (102)	
	2-Nitrophenol	50	50.1	ug/L	100				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	56.9	ug/L	114				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	45.9	ug/L	92				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	49.0	ug/L	98				70 (66)	130 (115)	
	Naphthalene	50	48.3	ug/L	97				70 (64)	130 (107)	
	4-Chloroaniline	50	19.6	ug/L	39		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	51.1	ug/L	102				70 (69)	130 (101)	
	Caprolactam	50	46.8	ug/L	94				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	50.7	ug/L	101				70 (65)	130 (114)	
	2-Methylnaphthalene	50	48.7	ug/L	97				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	190	ug/L	190		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	49.0	ug/L	98				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.0	ug/L	96				70 (70)	130 (106)	
	1,1-Biphenyl	50	47.5	ug/L	95				70 (72)	130 (98)	
	2-Chloronaphthalene	50	45.9	ug/L	92				70 (59)	130 (106)	
	2-Nitroaniline	50	50.6	ug/L	101				70 (73)	130 (114)	
	Dimethylphthalate	50	48.7	ug/L	97				70 (64)	130 (103)	
	Acenaphthylene	50	50.8	ug/L	102				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	47.3	ug/L	95				70 (64)	130 (110)	
	3-Nitroaniline	50	26.4	ug/L	53		*		70 (28)	130 (100)	
	Acenaphthene	50	55.1	ug/L	110				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	49.0	ug/L	98				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	51.2	ug/L	102				70 (60)	130 (115)	
	Diethylphthalate	50	49.7	ug/L	99				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	49.6	ug/L	99				70 (61)	130 (104)	
	Fluorene	50	50.4	ug/L	101				70 (64)	130 (107)	
	4-Nitroaniline	50	49.3	ug/L	99				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	59.5	ug/L	119				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	49.5	ug/L	99				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	48.9	ug/L	98				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166339BS	Hexachlorobenzene	50	49.7	ug/L	99				70 (73)	130 (106)	
	Atrazine	50	52.3	ug/L	105				70 (76)	130 (120)	
	Pentachlorophenol	100	100	ug/L	100				20 (47)	160 (114)	
	Phenanthrene	50	52.0	ug/L	104				70 (62)	130 (109)	
	Anthracene	50	54.5	ug/L	109				70 (65)	130 (110)	
	Carbazole	50	53.8	ug/L	108				70 (62)	130 (106)	
	Di-n-butylphthalate	50	51.5	ug/L	103				70 (64)	130 (106)	
	Fluoranthene	50	55.4	ug/L	111				70 (64)	130 (110)	
	Pyrene	50	46.4	ug/L	93				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.3	ug/L	101				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	23.2	ug/L	46		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	48.6	ug/L	97				70 (62)	130 (107)	
	Chrysene	50	50.3	ug/L	101				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	50.8	ug/L	102				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.6	ug/L	107				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.2	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	52.5	ug/L	105				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	52.3	ug/L	105				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	46.9	ug/L	94				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	49.1	ug/L	98				70 (72)	130 (101)	
	1,4-Dioxane	50	38.0	ug/L	76				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	54.4	ug/L	109				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BSD	Benzaldehyde	50	6.20	ug/L	12	8	*		20 (10)	160 (162)	20 (20)
	Phenol	50	43.9	ug/L	88	6			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	47.7	ug/L	95	3			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	44.4	ug/L	89	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	43.0	ug/L	86	5			70 (65)	130 (100)	20 (20)
	Acetophenone	50	50.0	ug/L	100	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.3	ug/L	95	4			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	46.6	ug/L	93	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	47.0	ug/L	94	6			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.5	ug/L	91	3			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.5	ug/L	95	2			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	47.8	ug/L	96	5			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	54.9	ug/L	110	4			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	44.5	ug/L	89	3			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	48.0	ug/L	96	2			70 (66)	130 (115)	20 (20)
	Naphthalene	50	46.2	ug/L	92	4			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	18.4	ug/L	37	6	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	49.5	ug/L	99	3			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.3	ug/L	93	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	49.1	ug/L	98	3			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	47.4	ug/L	95	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	190	ug/L	190	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	48.2	ug/L	96	2			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	46.8	ug/L	94	3			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	46.8	ug/L	94	1			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.6	ug/L	91	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	49.7	ug/L	99	2			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	48.6	ug/L	97	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	50.0	ug/L	100	2			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.6	ug/L	93	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.8	ug/L	54	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	54.4	ug/L	109	1			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	100	ug/L	100	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	48.6	ug/L	97	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	50.0	ug/L	100	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	49.2	ug/L	98	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	49.2	ug/L	98	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	49.5	ug/L	99	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	48.0	ug/L	96	3			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	57.0	ug/L	114	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	49.6	ug/L	99	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	48.9	ug/L	98	0			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BSD	Hexachlorobenzene	50	49.0	ug/L	98	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	52.1	ug/L	104	0			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	51.8	ug/L	104	0			70 (62)	130 (109)	20 (20)
	Anthracene	50	54.1	ug/L	108	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	53.1	ug/L	106	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	51.4	ug/L	103	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	55.3	ug/L	111	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	46.5	ug/L	93	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.5	ug/L	101	0			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	23.5	ug/L	47	1	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.2	ug/L	94	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	49.2	ug/L	98	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	50.1	ug/L	100	1			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	48.4	ug/L	97	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.4	ug/L	93	9			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	53.1	ug/L	106	4			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	50.7	ug/L	101	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	50.2	ug/L	100	4			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	45.0	ug/L	90	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	48.6	ug/L	97	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	37.0	ug/L	74	3			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107	2			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166294BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141408.D Lab Sample ID: PB166294BL

Instrument ID: BNA_F Date Extracted: 01/28/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/04/2025

Level: (low/med) LOW Time Analyzed: 15:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-113-SB01	Q1194-03	BF141424.D	02/04/2025
PB166294BS	PB166294BS	BF141439.D	02/05/2025
B-110-SB01	Q1194-01	BF141349.D	01/31/2025
B-110-SB02	Q1194-02	BF141350.D	01/31/2025
B-113-SB02	Q1194-04	BF141351.D	02/01/2025
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166339BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141312.D Lab Sample ID: PB166339BL

Instrument ID: BNA_F Date Extracted: 01/29/2025

Matrix: (soil/water) Water Date Analyzed: 01/30/2025

Level: (low/med) LOW Time Analyzed: 14:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB	Q1194-08	BF141367.D	02/03/2025
PB166339BS	PB166339BS	BF141442.D	02/05/2025
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141289.D DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	83.6
443	15.0 - 24.0% of mass 442	16.2 (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
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141300.D DFTPP Injection Date: 01/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	72.8
443	15.0 - 24.0% of mass 442	14.4 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141301.D	01/30/2025	08:54
PB166339BL	PB166339BL	BF141312.D	01/30/2025	14:32

Raw Data: **BF141335.D**

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141335.D DFTPP Injection Date: 01/31/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 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	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	74.1
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
B-110-SB01	Q1194-01	BF141349.D	01/31/2025	23:10
B-110-SB02	Q1194-02	BF141350.D	01/31/2025	23:37
B-113-SB02	Q1194-04	BF141351.D	02/01/2025	00:03
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025	00:30
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025	00:57

Raw Data: **BF141360.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141360.D DFTPP Injection Date: 02/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	77.3
443	15.0 - 24.0% of mass 442	14.4 (18.6) 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
SSTDCCC040	SSTDCCC040	BF141361.D	02/03/2025	11:24
EB	Q1194-08	BF141367.D	02/03/2025	14:08

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141397.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.4 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141398.D	02/04/2025	10:42
PB166294BL	PB166294BL	BF141408.D	02/04/2025	15:06

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141409.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	81.7
443	15.0 - 24.0% of mass 442	15.1 (18.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141410.D	02/04/2025	15:58
B-113-SB01	Q1194-03	BF141424.D	02/04/2025	22:11

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141434.D DFTPP Injection Date: 02/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	48.7
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	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	75.4
443	15.0 - 24.0% of mass 442	14.5 (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	BF141435.D	02/05/2025	10:02
PB166294BS	PB166294BS	BF141439.D	02/05/2025	11:47
PB166339BS	PB166339BS	BF141442.D	02/05/2025	13:05
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025	13:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BG063974.D DFTPP Injection Date: 02/03/2025

Instrument ID: BNA_G DFTPP Injection Time: 10:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	50.6
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	44.8
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	6.6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	79.2
443	15.0 - 24.0% of mass 442	15.6 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG063975.D	02/03/2025	11:18
SSTDICC005	SSTDICC005	BG063976.D	02/03/2025	11:56
SSTDICC010	SSTDICC010	BG063977.D	02/03/2025	12:33
SSTDICC020	SSTDICC020	BG063978.D	02/03/2025	13:11
SSTDICCC040	SSTDICCC040	BG063979.D	02/03/2025	13:49
SSTDICC050	SSTDICC050	BG063980.D	02/03/2025	14:26
SSTDICC060	SSTDICC060	BG063981.D	02/03/2025	15:04
SSTDICC080	SSTDICC080	BG063982.D	02/03/2025	15:42

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BG063995.D DFTPP Injection Date: 02/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	53.8
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.3
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	26.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	82.1
443	15.0 - 24.0% of mass 442	16 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG063996.D	02/05/2025	10:26
PB166339BL	PB166339BL	BG064006.D	02/05/2025	19:44

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

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	146467	6.798	575983	8.08	308835	9.84
	UPPER LIMIT	292934	7.298	1151970	8.581	617670	10.339
	LOWER LIMIT	73233.5	6.298	287992	7.581	154418	9.339
	EPA SAMPLE NO.						
01	PB166339BL	146115	6.80	599878	8.08	324432	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

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	511005	11.322	290304	13.969	298783	15.421
	UPPER LIMIT	1022010	11.822	580608	14.469	597566	15.921
	LOWER LIMIT	255503	10.822	145152	13.469	149392	14.921
	EPA SAMPLE NO.						
01	PB166339BL	552085	11.32	345336	13.96	288136	15.44

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	140033	6.798	558386	8.08	299701	9.84
	UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
	LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
	EPA SAMPLE NO.						
01	B-110-SB01	146484	6.80	587603	8.08	300372	9.83
02	B-110-SB02	149181	6.80	593714	8.08	307017	9.83
03	B-113-SB02	147849	6.80	589893	8.08	306711	9.83
04	B-113-SB02MS	160040	6.80	632082	8.08	327389	9.84
05	B-113-SB02MSD	149676	6.80	589897	8.08	304724	9.84

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	493954	11.322	281629	13.968	286623	15.433
	UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
	LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
	EPA SAMPLE NO.						
01	B-110-SB01	443291	11.32	300964	13.96	270058	15.42
02	B-110-SB02	441643	11.32	304741	13.96	278986	15.42
03	B-113-SB02	457334	11.32	306408	13.96	276735	15.42
04	B-113-SB02MS	478396	11.33	306959	13.97	307907	15.42
05	B-113-SB02MSD	446574	11.33	289652	13.97	291978	15.42

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

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* 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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	93803	6.798	362783	8.08	198566	9.83
	UPPER LIMIT	187606	7.298	725566	8.581	397132	10.333
	LOWER LIMIT	46901.5	6.298	181392	7.581	99283	9.333
	EPA SAMPLE NO.						
01	EB	101266	6.79	409757	8.08	228085	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	334466	11.322	243574	13.968	284769	15.427
	UPPER LIMIT	668932	11.822	487148	14.468	569538	15.927
	LOWER LIMIT	167233	10.822	121787	13.468	142385	14.927
	EPA SAMPLE NO.						
01	EB	407498	11.32	332056	13.96	264824	15.41

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	87552	6.793	331835	8.08	180473	9.83
	UPPER LIMIT	175104	7.293	663670	8.575	360946	10.328
	LOWER LIMIT	43776	6.293	165918	7.575	90236.5	9.328
	EPA SAMPLE NO.						
01	PB166294BL	79060	6.79	317518	8.07	174923	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	318826	11.316	235294	13.963	201713	15.421
	UPPER LIMIT	637652	11.816	470588	14.463	403426	15.921
	LOWER LIMIT	159413	10.816	117647	13.463	100857	14.921
	EPA SAMPLE NO.						
01	PB166294BL	303054	11.31	230654	13.96	181526	15.41

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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	89972	6.792	349697	8.08	187729	9.83
	UPPER LIMIT	179944	7.292	699394	8.575	375458	10.328
	LOWER LIMIT	44986	6.292	174849	7.575	93864.5	9.328
	EPA SAMPLE NO.						
01	B-113-SB01	70324	6.79	279899	8.07	155548	9.82

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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	325046	11.316	235785	13.963	203742	15.421
	UPPER LIMIT	650092	11.816	471570	14.463	407484	15.921
	LOWER LIMIT	162523	10.816	117893	13.463	101871	14.921
	EPA SAMPLE NO.						
01	B-113-SB01	272951	11.31	230042	13.95	197101	15.41

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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	78610	6.792	301871	8.08	162758	9.83
	UPPER LIMIT	157220	7.292	603742	8.575	325516	10.328
	LOWER LIMIT	39305	6.292	150936	7.575	81379	9.328
	EPA SAMPLE NO.						
01	PB166294BS	72987	6.79	285622	8.08	157073	9.83
02	PB166339BS	69540	6.79	272946	8.08	150801	9.83
03	PB166339BSD	70045	6.79	272862	8.08	147235	9.83

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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	271503	11.316	168458	13.963	170248	15.427
	UPPER LIMIT	543006	11.816	336916	14.463	340496	15.927
	LOWER LIMIT	135752	10.816	84229	13.463	85124	14.927
	EPA SAMPLE NO.						
01	PB166294BS	268815	11.32	187164	13.96	163935	15.43
02	PB166339BS	258651	11.32	176386	13.96	154350	15.42
03	PB166339BSD	252391	11.32	168766	13.96	154833	15.43

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BG063996.D Time Analyzed: 10:26

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	63436	7.871	270173	10.66	179556	14.50
	UPPER LIMIT	126872	8.371	540346	11.156	359112	14.998
	LOWER LIMIT	31718	7.371	135087	10.156	89778	13.998
	EPA SAMPLE NO.						
01	PB166339BL	63484	7.87	259668	10.66	167864	14.50

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.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BG063996.D Time Analyzed: 10:26

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	399629	17.236	430606	21.472	452558	24.498
	UPPER LIMIT	799258	17.736	861212	21.972	905116	24.998
	LOWER LIMIT	199815	16.736	215303	20.972	226279	23.998
	EPA SAMPLE NO.						
01	PB166339BL	391472	17.23	435756	21.47	459826	24.50

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: **BF141349.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	370	ug/Kg
108-95-2	Phenol	93.7	U	93.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.6	U	94.6	190	ug/Kg
95-57-8	2-Chlorophenol	94.3	U	94.3	190	ug/Kg
95-48-7	2-Methylphenol	91.1	U	91.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	98.2	U	98.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.2	U	90.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.5	U	45.5	90.4	ug/Kg
67-72-1	Hexachloroethane	93.8	U	93.8	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.9	U	96.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.3	U	85.3	190	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	190	ug/Kg
106-47-8	4-Chloroaniline	93.3	UQ	93.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.1	U	94.1	190	ug/Kg
105-60-2	Caprolactam	98.1	U	98.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.6	U	87.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.2	U	93.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.7	U	80.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	190	ug/Kg
92-52-4	1,1-Biphenyl	98.8	U	98.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.1	U	94.1	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	92.3	U	92.3	190	ug/Kg

Raw Data: **BF141349.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.7	U	97.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.0	U	94.0	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	91.6	U	91.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	95.4	U	95.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.4	U	97.4	190	ug/Kg
84-66-2	Diethylphthalate	90.5	U	90.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	190	ug/Kg
86-73-7	Fluorene	96.6	U	96.6	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.2	U	92.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.1	U	89.1	190	ug/Kg
118-74-1	Hexachlorobenzene	96.0	U	96.0	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	87.3	U	87.3	370	ug/Kg
85-01-8	Phenanthrene	94.9	U	94.9	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
86-74-8	Carbazole	90.7	U	90.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.2	U	95.2	190	ug/Kg
206-44-0	Fluoranthene	92.3	U	92.3	190	ug/Kg
129-00-0	Pyrene	93.8	U	93.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	190	ug/Kg
218-01-9	Chrysene	89.8	U	89.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.6	U	91.6	190	ug/Kg

Raw Data: **BF141349.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	93.3	U	93.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.2	U	88.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.7	U	91.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.5	U	90.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.1	U	98.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.4	U	84.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.7		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	84.9		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.0		30 (10) - 130 (116)	54%	SPK: 150
1718-51-0	Terphenyl-d14	46.2		30 (10) - 130 (105)	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	588000	8.081			
15067-26-2	Acenaphthene-d10	300000	9.834			
1517-22-2	Phenanthrene-d10	443000	11.322			
1719-03-5	Chrysene-d12	301000	13.963			
1520-96-3	Perylene-d12	270000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	90.8	JB		2.16	ug/Kg
	unknown2.346	160	J		2.35	ug/Kg
000119-61-9	Benzophenone	130	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	200	J		13.5	ug/Kg

Raw Data: **BF141349.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

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\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

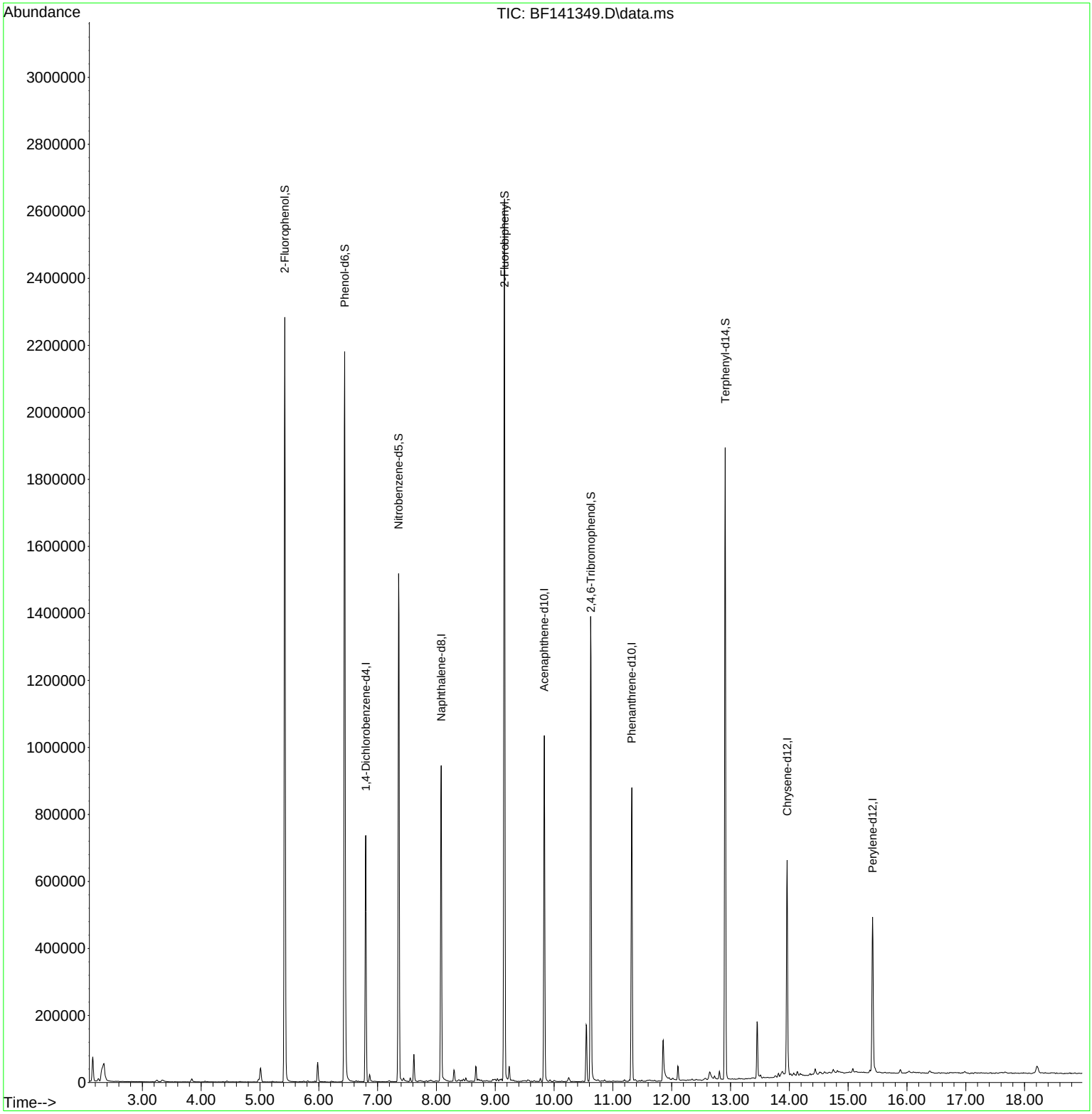
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146484	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	587603	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	300372	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	443291	20.000	ng	0.00
76) Chrysene-d12	13.963	240	300964	20.000	ng	-0.01
86) Perylene-d12	15.416	264	270058	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	837109	87.732	ng	0.01
7) Phenol-d6	6.440	99	1031120	84.948	ng	0.00
23) Nitrobenzene-d5	7.357	82	669348	60.050	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	223067	81.006	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1158393	59.359	ng	0.00
79) Terphenyl-d14	12.910	244	901846	46.212	ng	0.00
Target Compounds						Qvalue

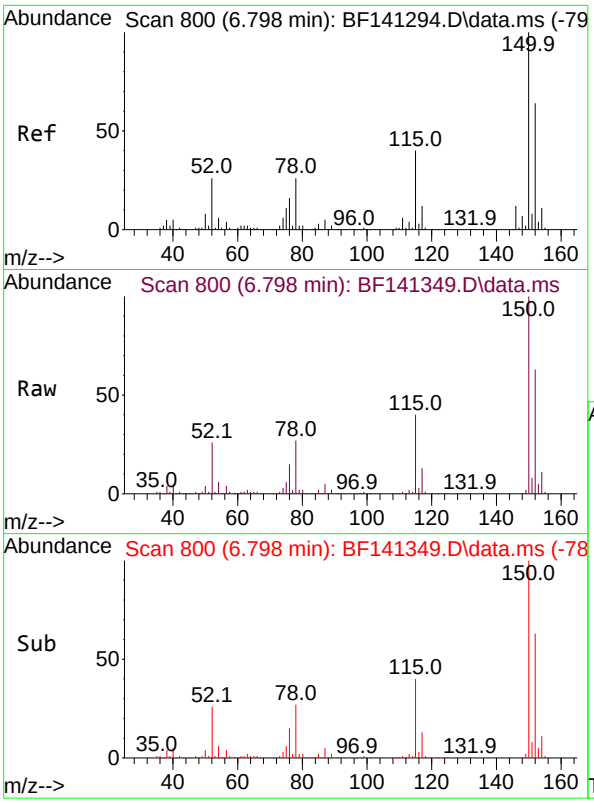
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



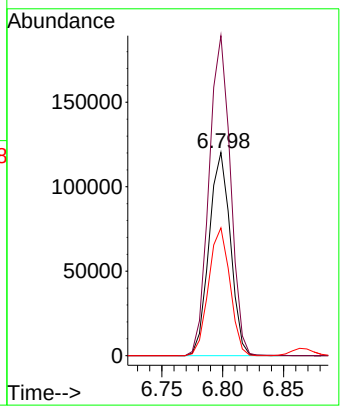


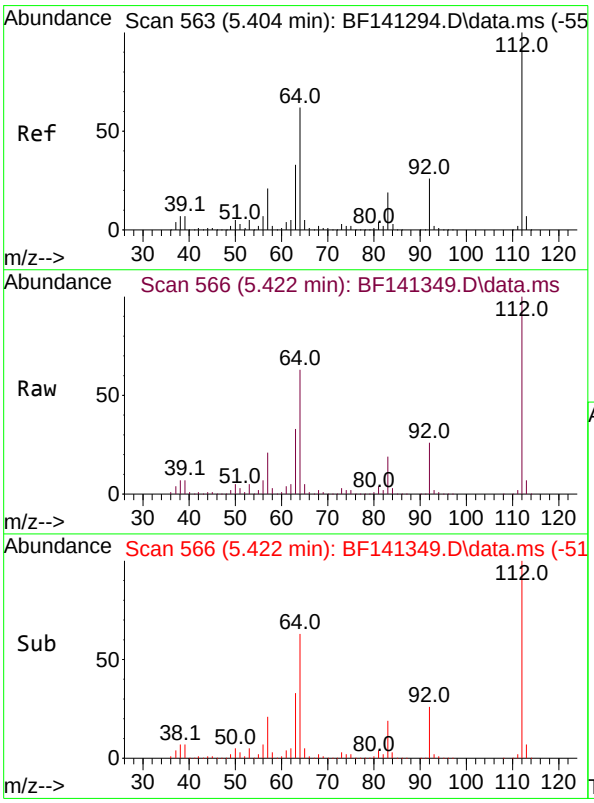
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:152 Resp: 146484

Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.9	188.9
115	62.9	49.7	74.5

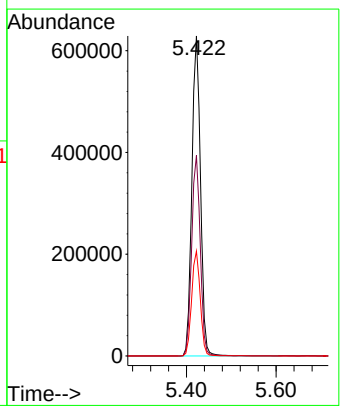


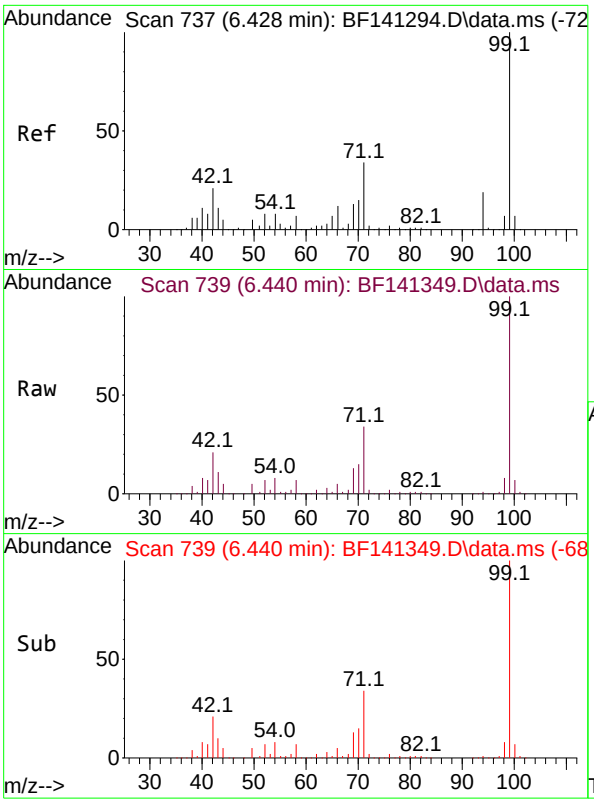


#5
2-Fluorophenol
Concen: 87.732 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:112 Resp: 837109

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.8	74.8
63	32.8	26.1	39.1



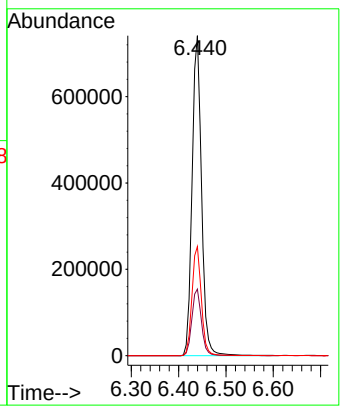


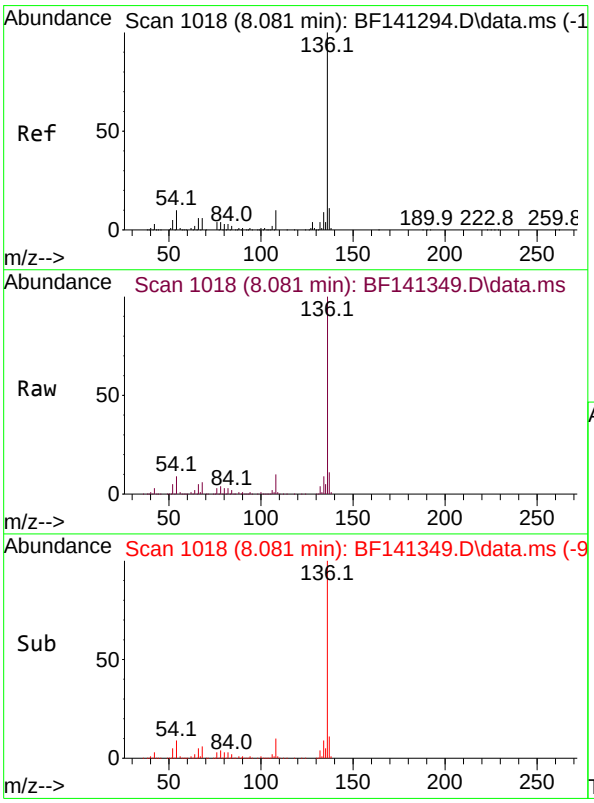
#7
Phenol-d6
Concen: 84.948 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion: 99 Resp: 1031120

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	34.1	26.9	40.3

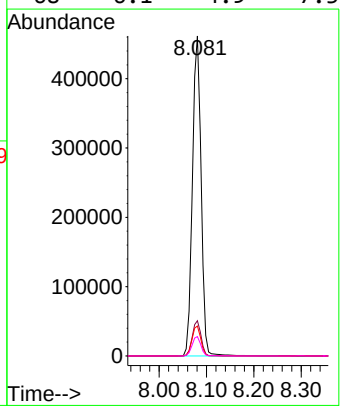


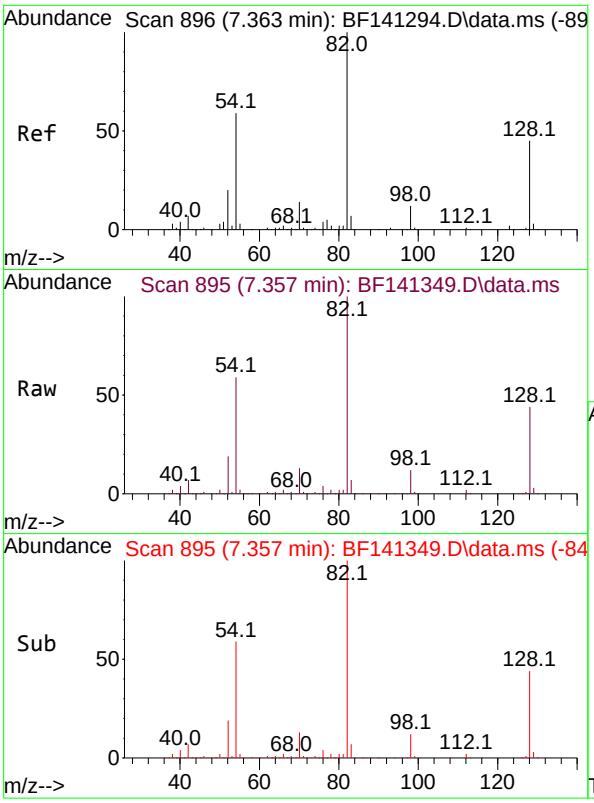


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:136 Resp: 587603

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.8	11.8
68	6.1	4.9	7.3



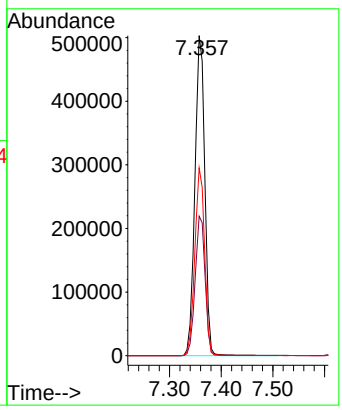


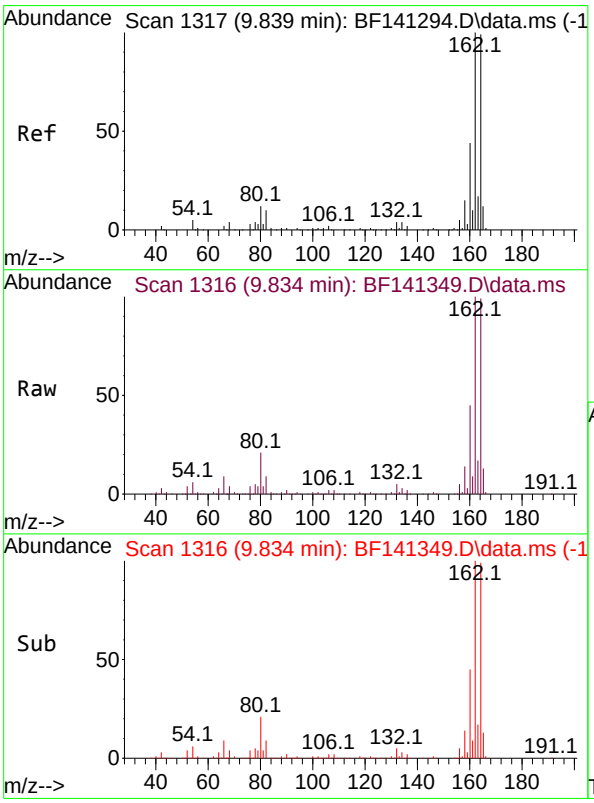
#23
Nitrobenzene-d5
Concen: 60.050 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion: 82 Resp: 669348

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.7	47.1	70.7

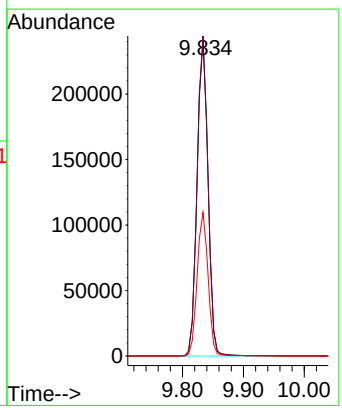


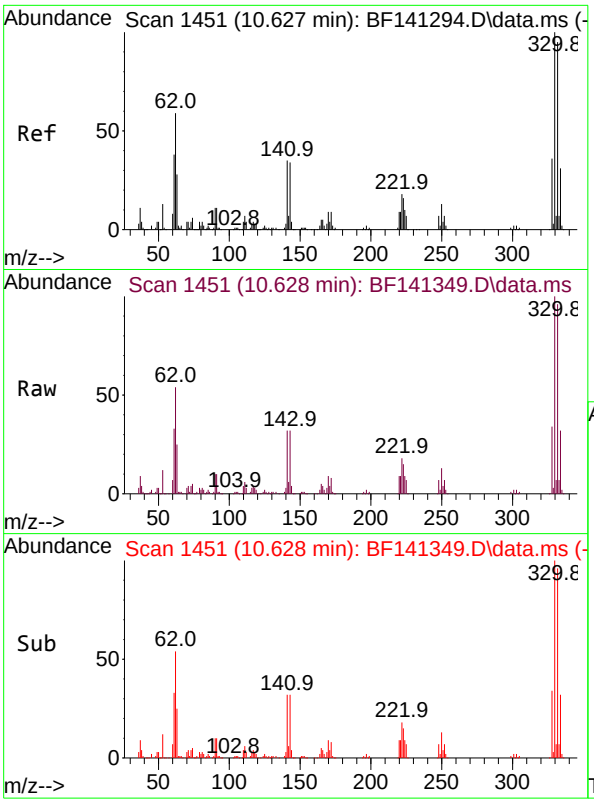


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:164 Resp: 300372

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	45.5	35.8	53.6



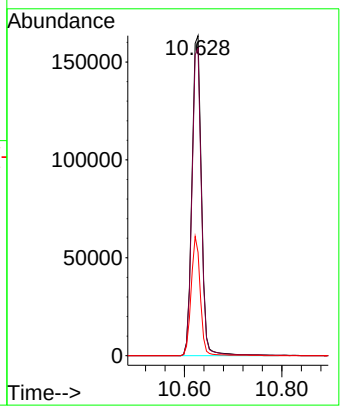


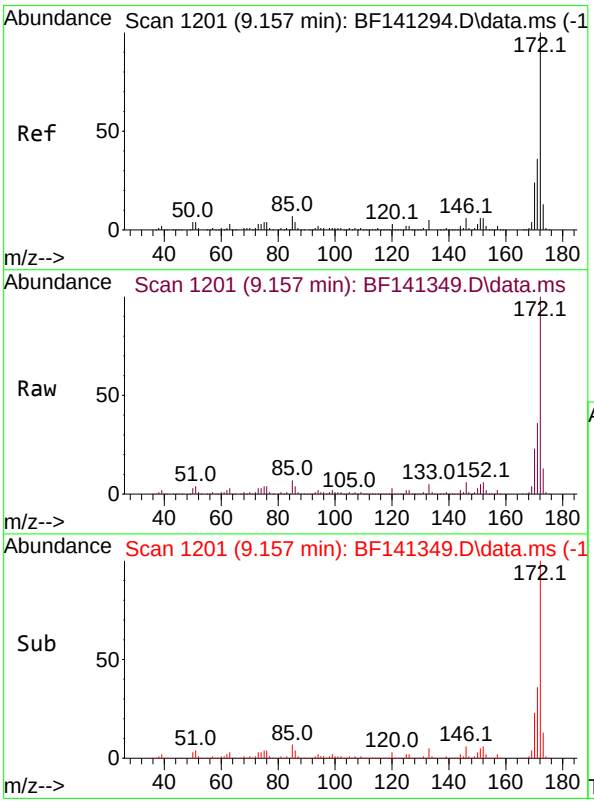
#42
2,4,6-Tribromophenol
Concen: 81.006 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:330 Resp: 223067

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	36.0	28.8	43.2

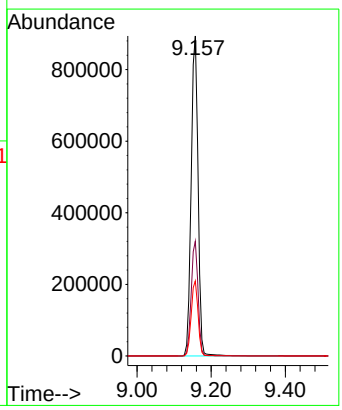


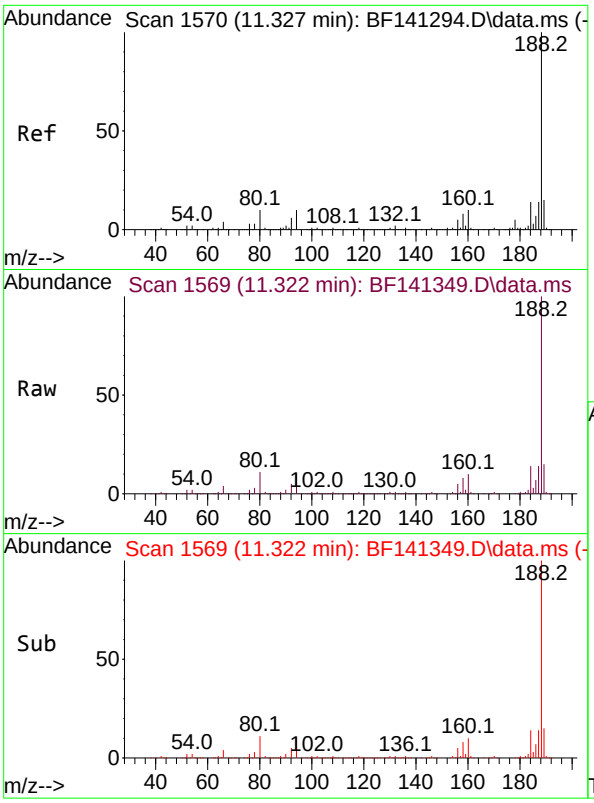


#45
2-Fluorobiphenyl
Concen: 59.359 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:172 Resp: 1158393

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.4	19.0	28.6



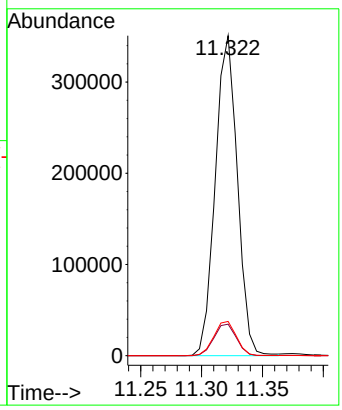


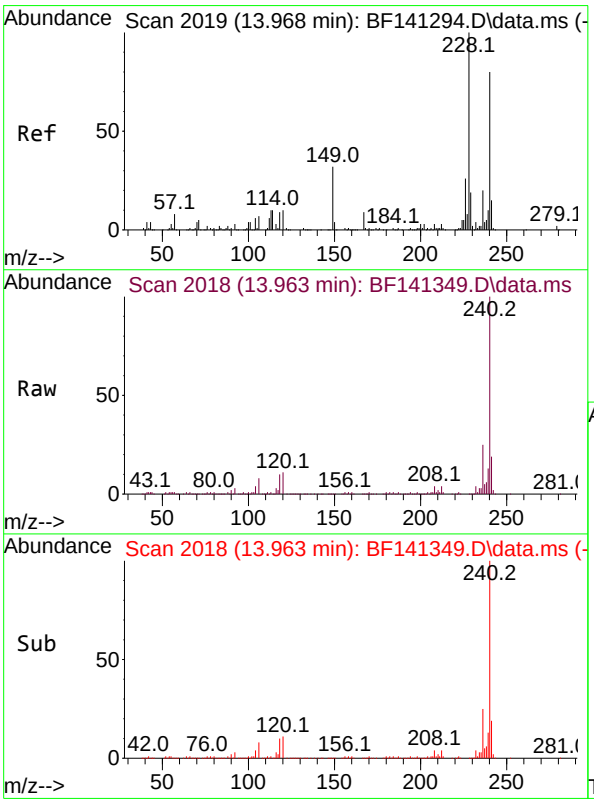
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:188 Resp: 443291

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.7	8.2	12.4

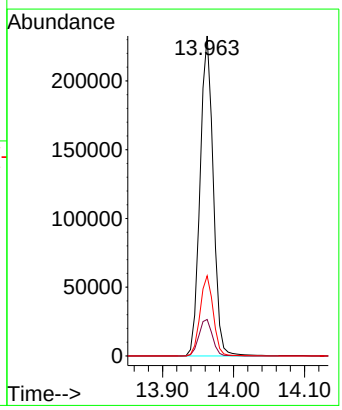


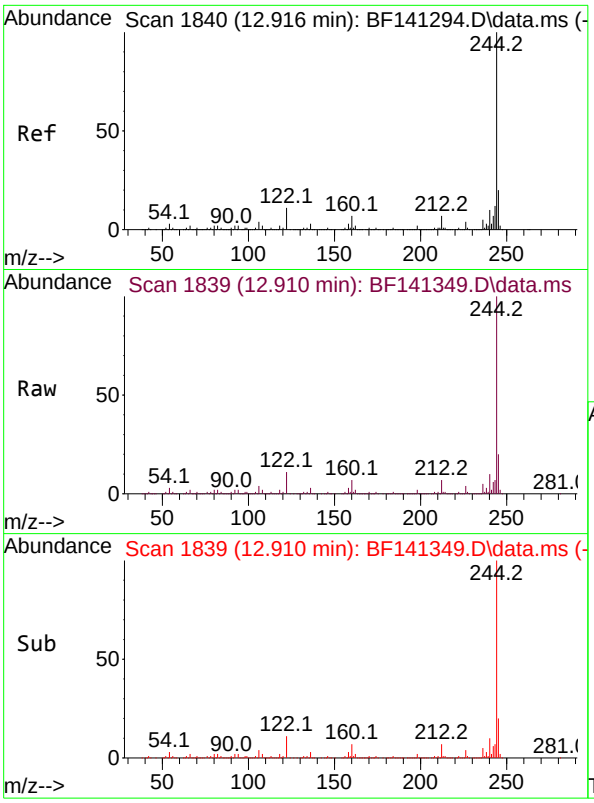


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:240 Resp: 300964

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.0	15.0
236	25.1	19.7	29.5



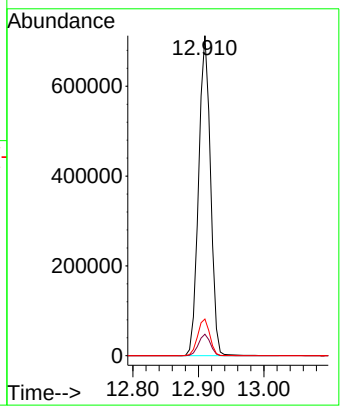


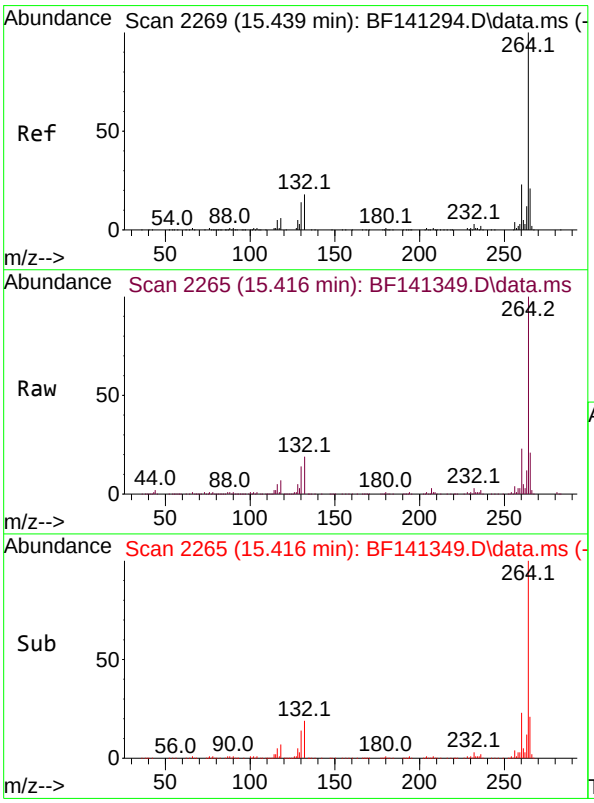
#79
Terphenyl-d14
Concen: 46.212 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:244 Resp: 901846

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.5	8.8	13.2

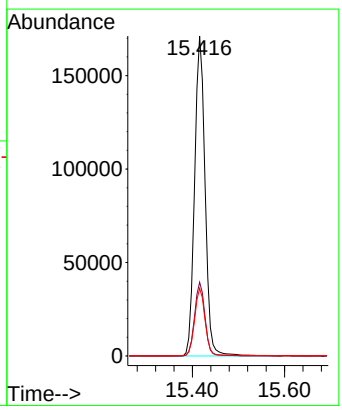




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:264 Resp: 270058

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	16.7	25.1



Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141349.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.158	5	11	17	rBV	72385	108401	3.20%	0.463%
2	2.346	31	43	57	rVB	51666	186216	5.50%	0.795%
3	5.010	491	496	502	rVB	40951	67045	1.98%	0.286%
4	5.422	560	566	584	rBV	2282457	3033055	89.59%	12.948%
5	5.981	656	661	670	rBV	59009	79311	2.34%	0.339%
6	6.440	733	739	756	rBV	2177653	3055889	90.26%	13.045%
7	6.798	795	800	805	rBV	735261	899199	26.56%	3.839%
8	7.357	889	895	900	rBV	1516199	2002245	59.14%	8.547%
9	7.616	933	939	947	rBV	81440	104051	3.07%	0.444%
10	8.081	1010	1018	1023	rBV	942087	1208483	35.69%	5.159%
11	8.298	1051	1055	1062	rVB	33531	43882	1.30%	0.187%
12	8.669	1113	1118	1122	rBV	44461	58728	1.73%	0.251%
13	9.157	1195	1201	1206	rBV	2631881	3385629	100.00%	14.453%
14	9.234	1210	1214	1219	rVB	41207	56425	1.67%	0.241%
15	9.834	1310	1316	1328	rBV	1032656	1291141	38.14%	5.512%
16	10.545	1432	1437	1445	rBV	169420	221757	6.55%	0.947%
17	10.622	1445	1450	1468	rBV	1387377	1843411	54.45%	7.869%
18	11.322	1564	1569	1576	rVB	873519	1099316	32.47%	4.693%
19	11.857	1654	1660	1674	rBV2	122009	244818	7.23%	1.045%
20	12.104	1698	1702	1710	rVB	42057	54385	1.61%	0.232%
21	12.645	1787	1794	1805	rBV6	23026	65109	1.92%	0.278%
22	12.910	1833	1839	1844	rBV	1885314	2389896	70.59%	10.202%
23	13.451	1926	1931	1939	rBV	169032	231058	6.82%	0.986%
24	13.880	1996	2004	2010	rBV6	14878	43408	1.28%	0.185%
25	13.963	2012	2018	2025	rVB	641075	867094	25.61%	3.701%
26	15.416	2259	2265	2281	rVB	463911	734594	21.70%	3.136%
27	18.210	2736	2740	2750	rVB3	19926	51064	1.51%	0.218%

Sum of corrected areas: 23425610

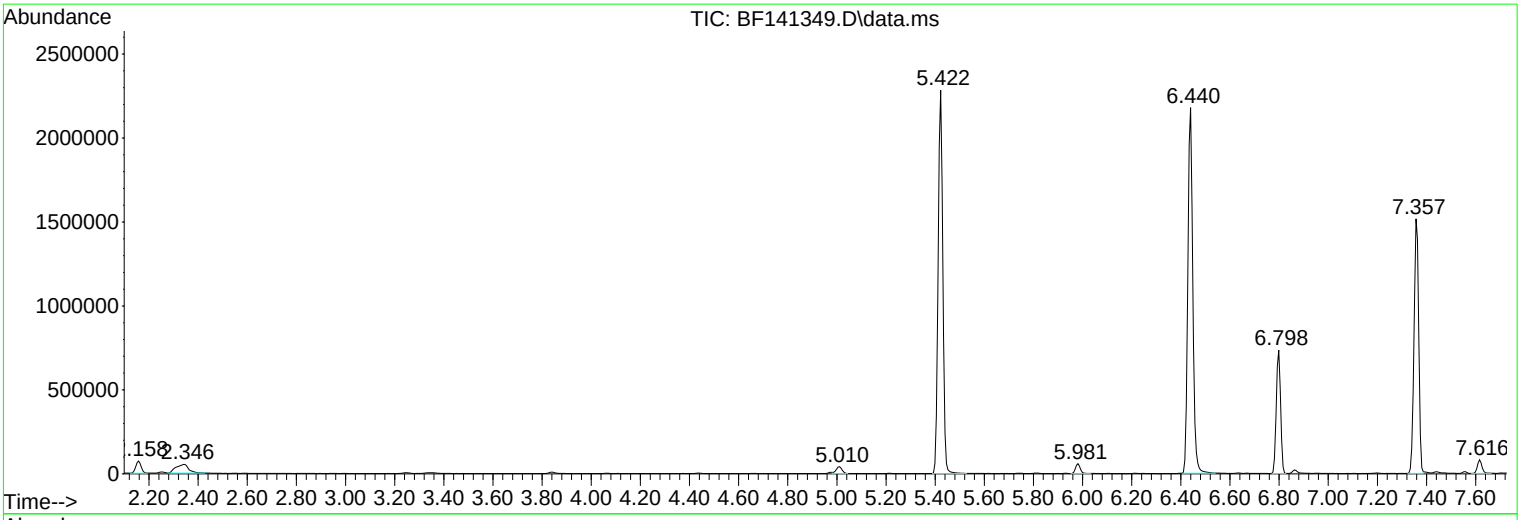
Sample Results: **BF141349.D**

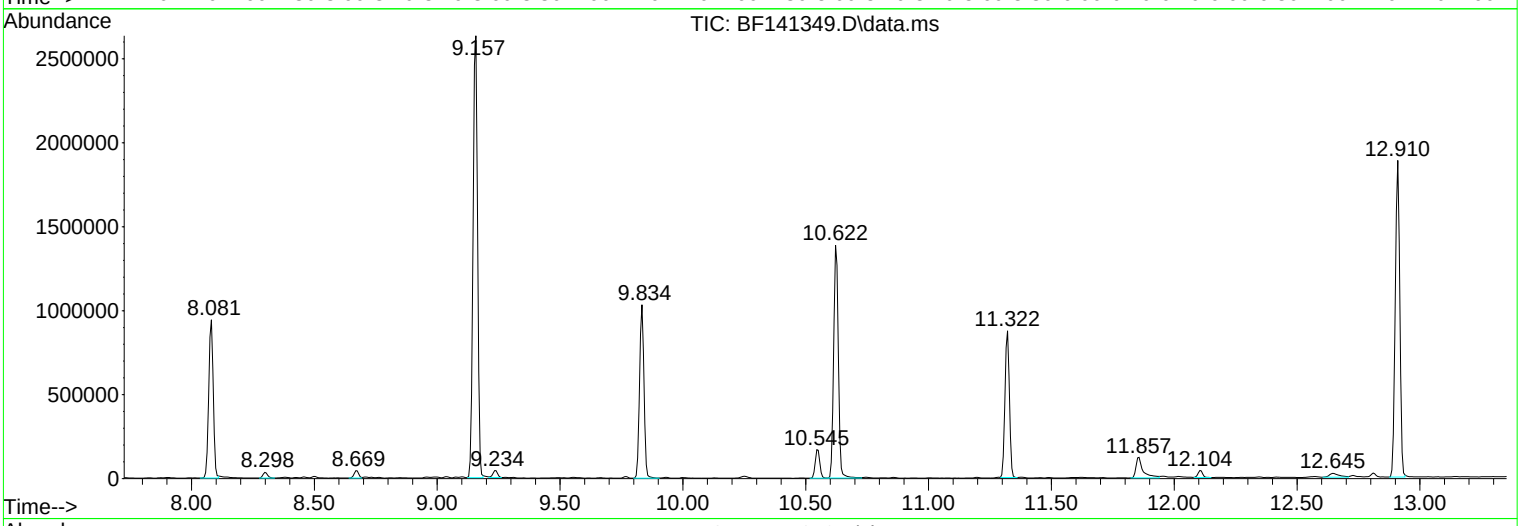
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

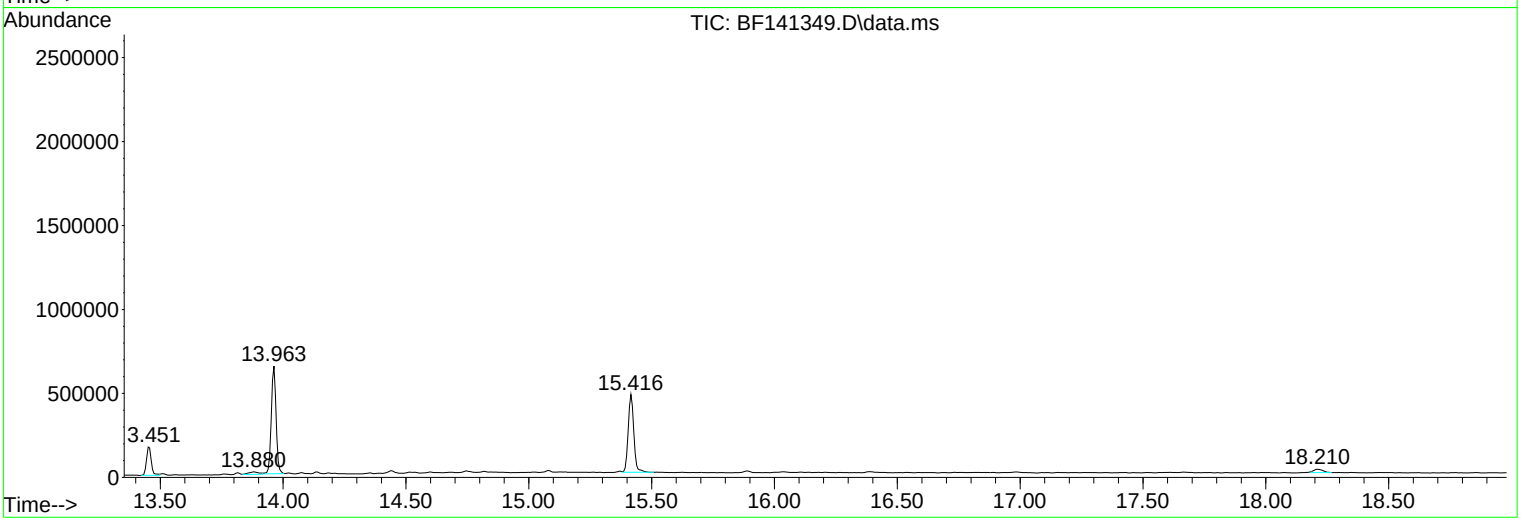
Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

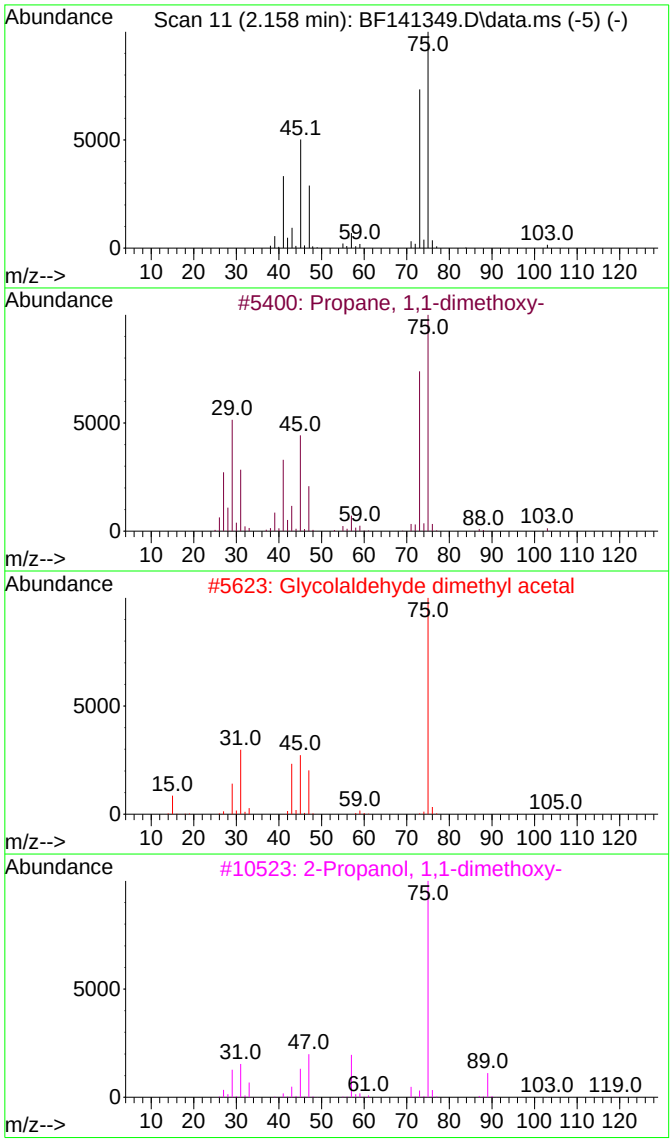
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

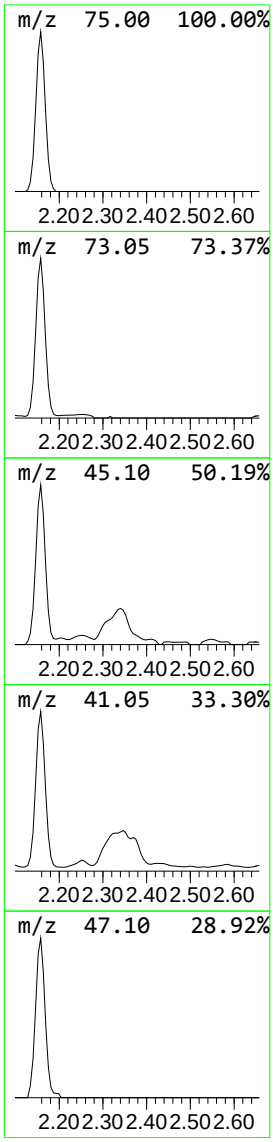
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.158	2.41 ng	108401	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	42
3	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	40
4	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	38
5	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

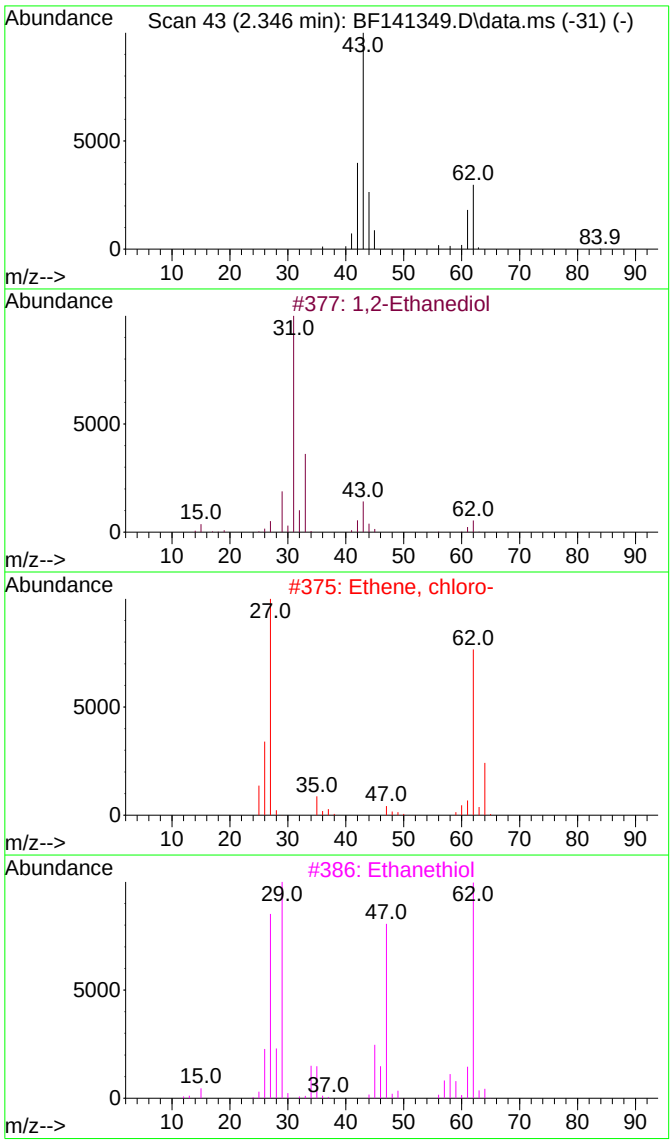
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

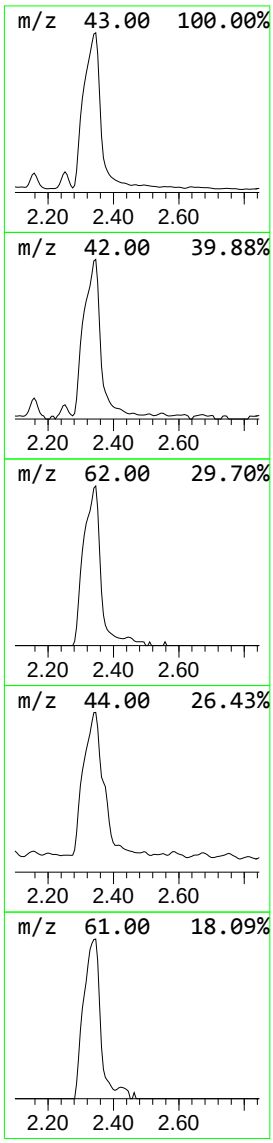
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Peak Number 2 unknown2.346 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.346	4.14 ng	186216	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Ethanediol	62	C2H6O2	000107-21-1	9
2	Ethene, chloro-	62	C2H3Cl	000075-01-4	5
3	Ethanethiol	62	C2H6S	000075-08-1	4
4	Peroxide, dimethyl	62	C2H6O2	000690-02-8	4
5	Diazirine	42	CH2N2	1000305-84-1	3





Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

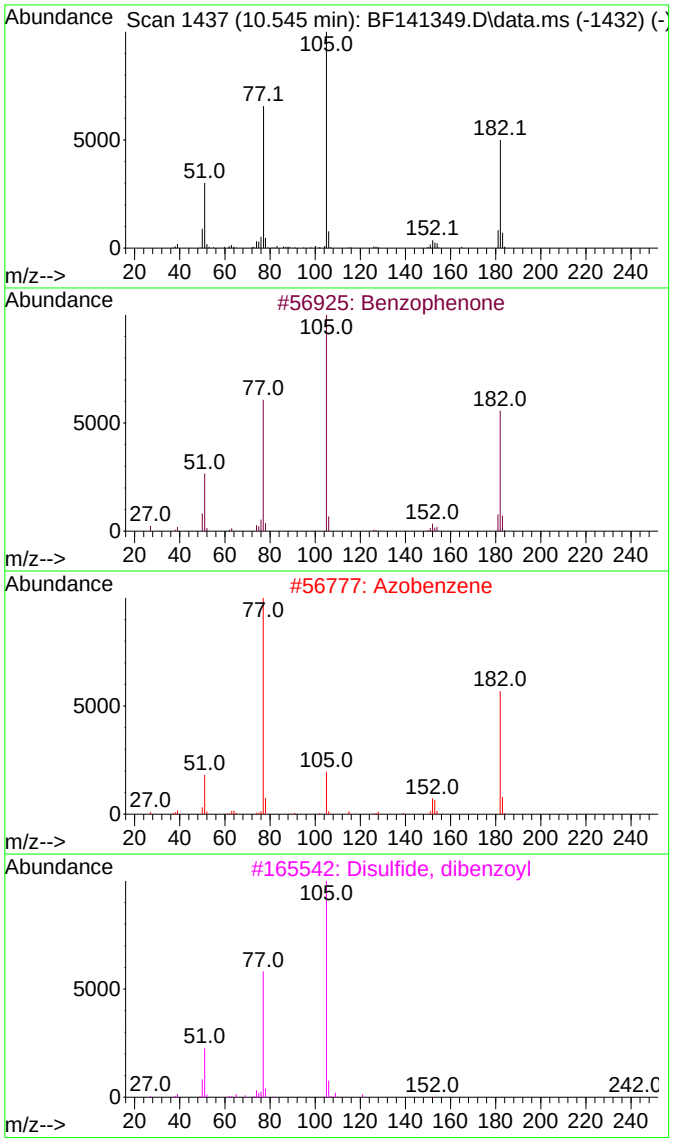
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

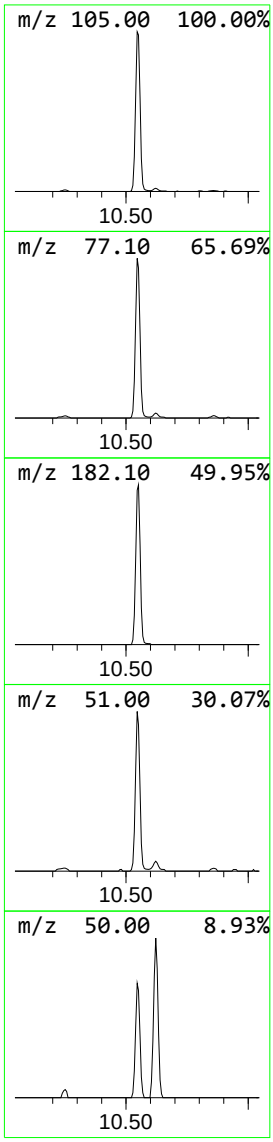
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Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	3.44 ng	221757	Acenaphthene-d10	9.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
4	Methyl benzilate	242	C15H14O3	000076-89-1	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

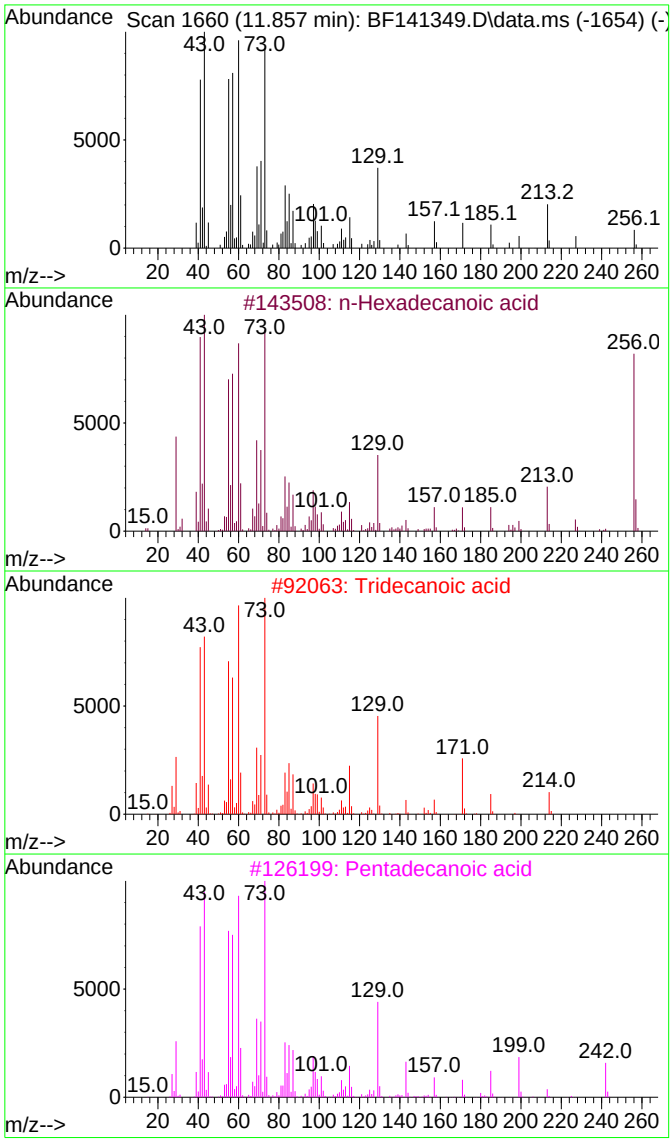
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

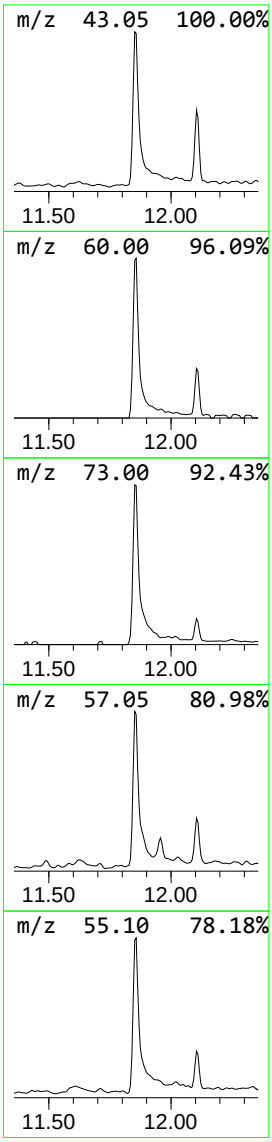
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	4.45 ng	244818	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Octanoic acid	144	C8H16O2	000124-07-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

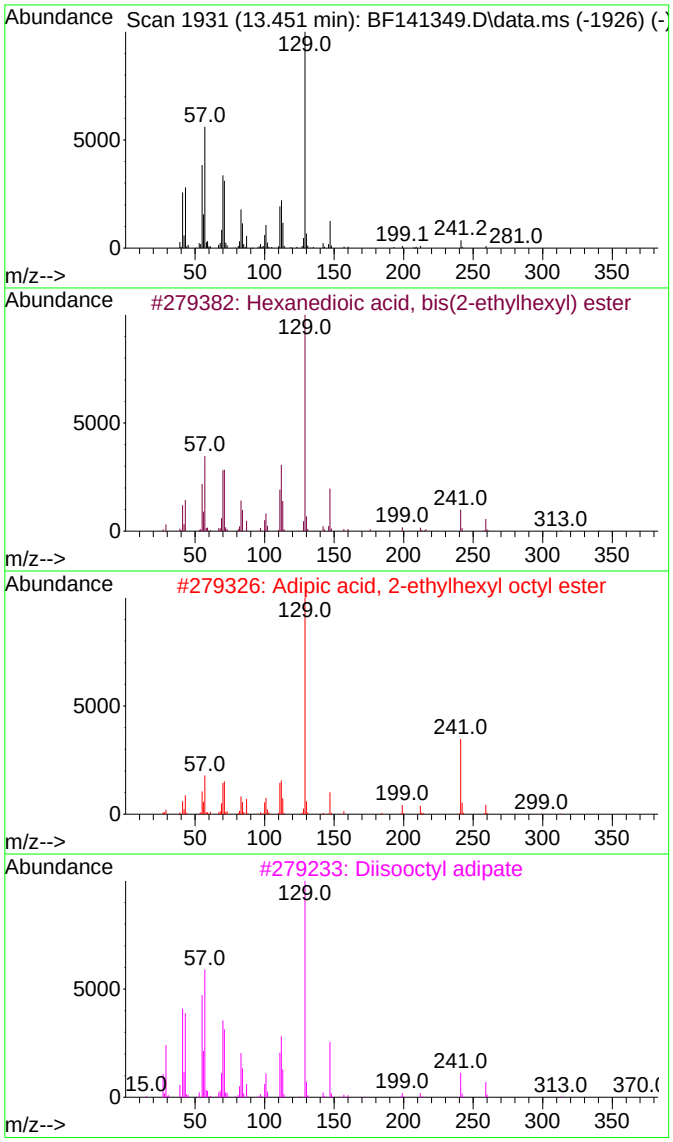
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

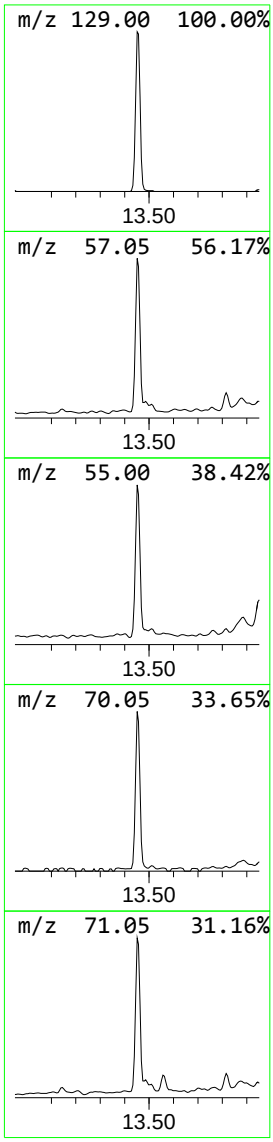
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexanedioic acid, bis(2-eth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.451	5.33 ng	231058	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	90
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	70
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68





Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.158	2.4	ng	108401	1	6.798	899199	20.0
unknown2.346	2.346	4.1	ng	186216	1	6.798	899199	20.0
Benzophenone	10.545	3.4	ng	221757	3	9.834	1291140	20.0
n-Hexadecanoic ...	11.857	4.5	ng	244818	4	11.322	1099320	20.0
Hexanedioic aci...	13.451	5.3	ng	231058	5	13.963	867094	20.0

Raw Data: **BF141350.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	320	UQ	320	580	ug/Kg
108-95-2	Phenol	150	U	150	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	300	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	300	ug/Kg
95-48-7	2-Methylphenol	140	U	140	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	300	ug/Kg
98-86-2	Acetophenone	150	U	150	300	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	580	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.6	U	70.6	140	ug/Kg
67-72-1	Hexachloroethane	150	U	150	300	ug/Kg
98-95-3	Nitrobenzene	160	U	160	300	ug/Kg
78-59-1	Isophorone	150	U	150	300	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	300	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	300	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	300	ug/Kg
91-20-3	Naphthalene	140	U	140	300	ug/Kg
106-47-8	4-Chloroaniline	140	UQ	140	300	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	300	ug/Kg
105-60-2	Caprolactam	150	U	150	580	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	300	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	UQ	270	580	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	300	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	300	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	300	ug/Kg
88-74-4	2-Nitroaniline	170	U	170	300	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	300	ug/Kg

Raw Data: **BF141350.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	300	ug/Kg
99-09-2	3-Nitroaniline	160	UQ	160	300	ug/Kg
83-32-9	Acenaphthene	140	U	140	300	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	580	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	580	ug/Kg
132-64-9	Dibenzofuran	150	U	150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	300	ug/Kg
84-66-2	Diethylphthalate	140	U	140	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	300	ug/Kg
86-73-7	Fluorene	150	U	150	300	ug/Kg
100-01-6	4-Nitroaniline	190	U	190	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	580	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	300	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	300	ug/Kg
1912-24-9	Atrazine	160	U	160	300	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	580	ug/Kg
85-01-8	Phenanthrene	150	U	150	300	ug/Kg
120-12-7	Anthracene	150	U	150	300	ug/Kg
86-74-8	Carbazole	140	U	140	300	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	300	ug/Kg
206-44-0	Fluoranthene	140	U	140	300	ug/Kg
129-00-0	Pyrene	150	U	150	300	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	UQ	170	580	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	300	ug/Kg
218-01-9	Chrysene	140	U	140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	300	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	580	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	300	ug/Kg

Raw Data: **BF141350.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	140	300	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	300	ug/Kg
123-91-1	1,4-Dioxane	190	U	190	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	69.9		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		30 (18) - 130 (107)	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		30 (20) - 130 (109)	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.9		30 (10) - 130 (116)	41%	SPK: 150
1718-51-0	Terphenyl-d14	35.0		30 (10) - 130 (105)	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.798			
1146-65-2	Naphthalene-d8	594000	8.081			
15067-26-2	Acenaphthene-d10	307000	9.834			
1517-22-2	Phenanthrene-d10	442000	11.322			
1719-03-5	Chrysene-d12	305000	13.963			
1520-96-3	Perylene-d12	279000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	130	JB		2.15	ug/Kg
000119-61-9	Benzophenone	140	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		11.9	ug/Kg
000123-79-5	Hexanedioic acid, dioctyl ester	500	J		13.5	ug/Kg
	unknown13.869	130	J		13.9	ug/Kg
000112-95-8	Eicosane	140	J		15.1	ug/Kg
	unknown16.739	140	J		16.7	ug/Kg

Raw Data: **BF141350.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

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

Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

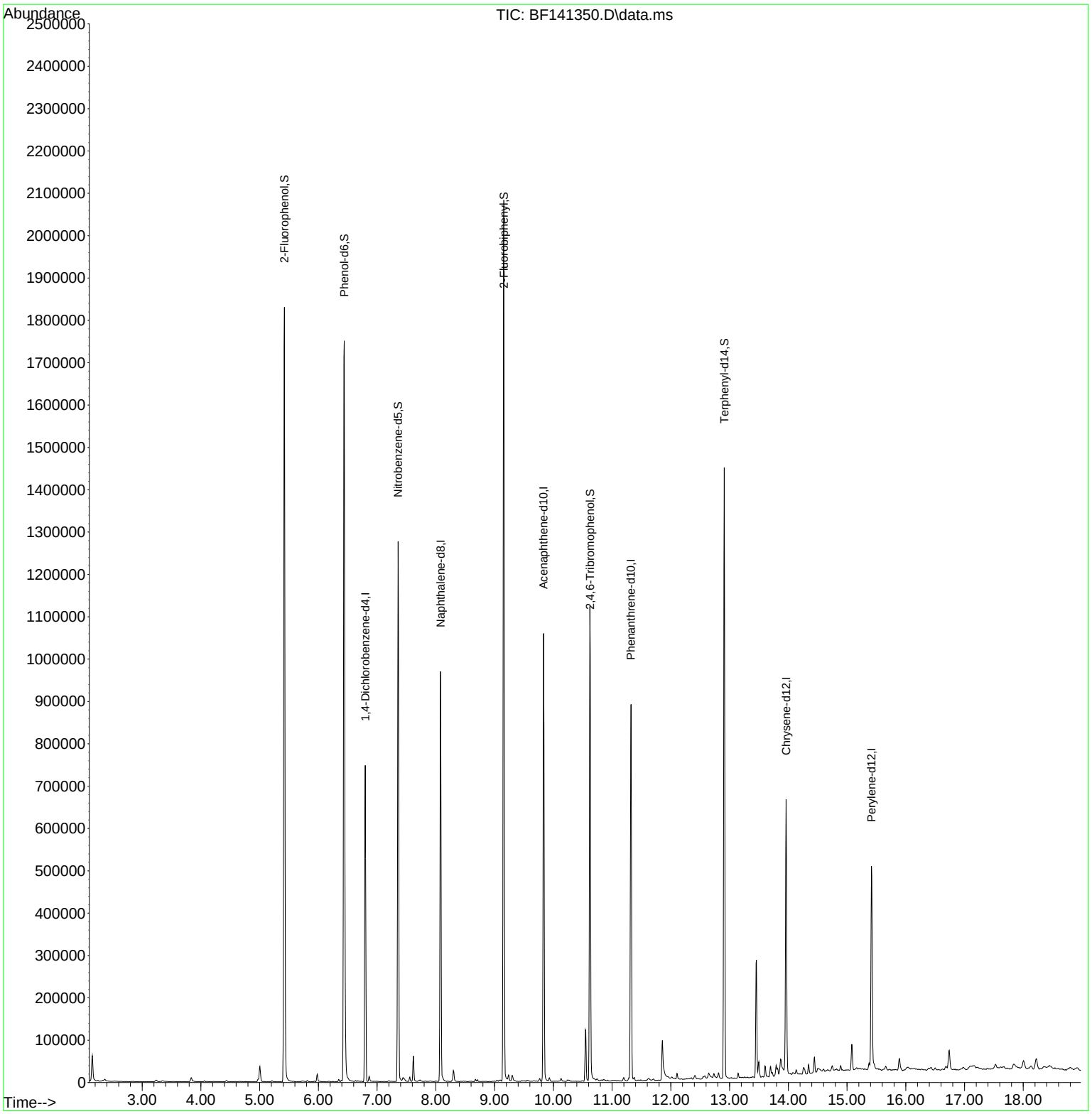
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149181	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593714	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	307017	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	441643	20.000	ng	0.00
76) Chrysene-d12	13.963	240	304741	20.000	ng	-0.01
86) Perylene-d12	15.416	264	278986	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	709624	73.026	ng	0.01
7) Phenol-d6	6.440	99	863941	69.888	ng	0.00
23) Nitrobenzene-d5	7.357	82	539898	47.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	174209	61.894	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	918116	46.029	ng	0.00
79) Terphenyl-d14	12.910	244	692428	35.041	ng	0.00
Target Compounds						Qvalue

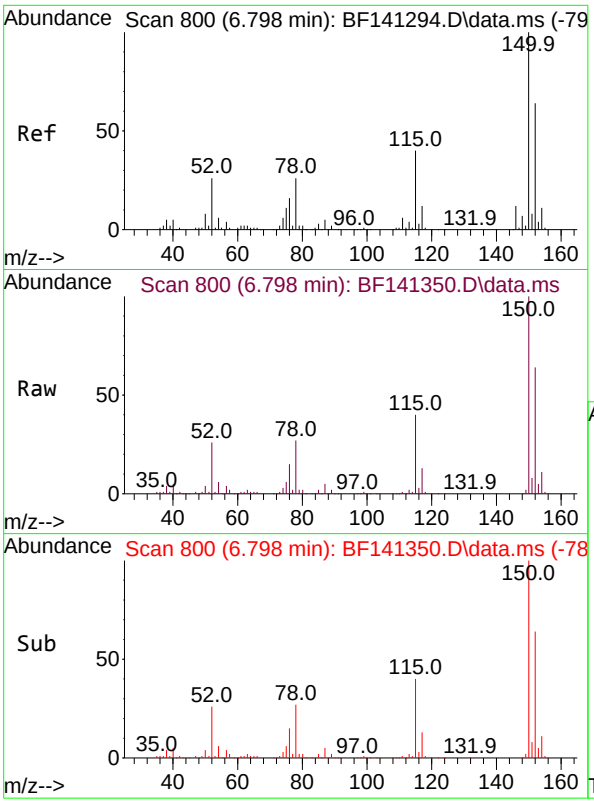
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



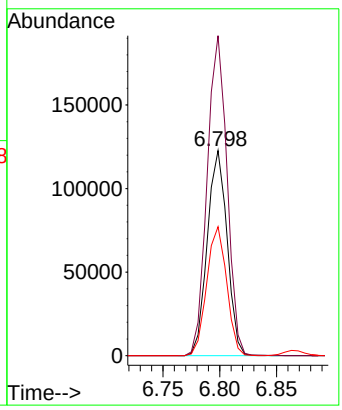


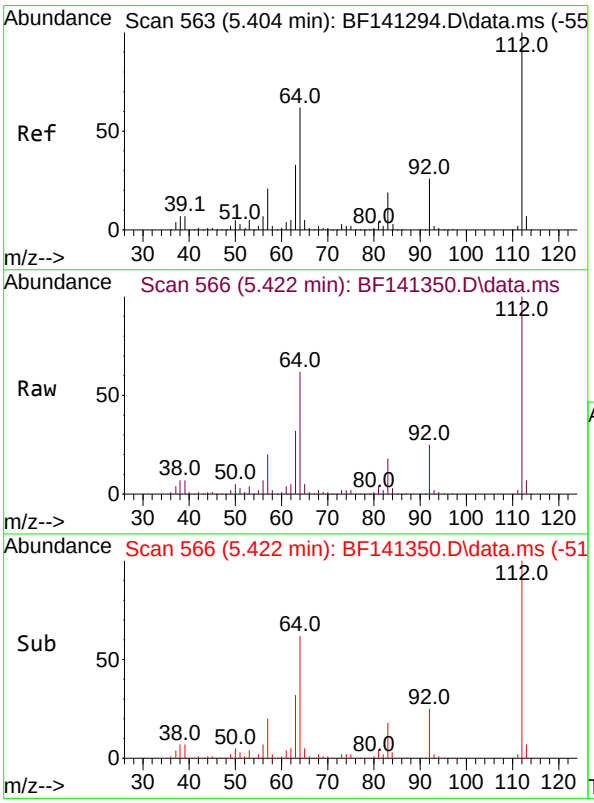
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:152 Resp: 149181

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.8	49.7	74.5

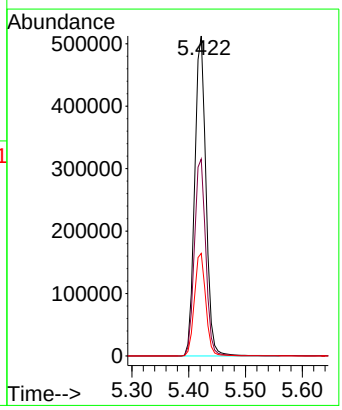


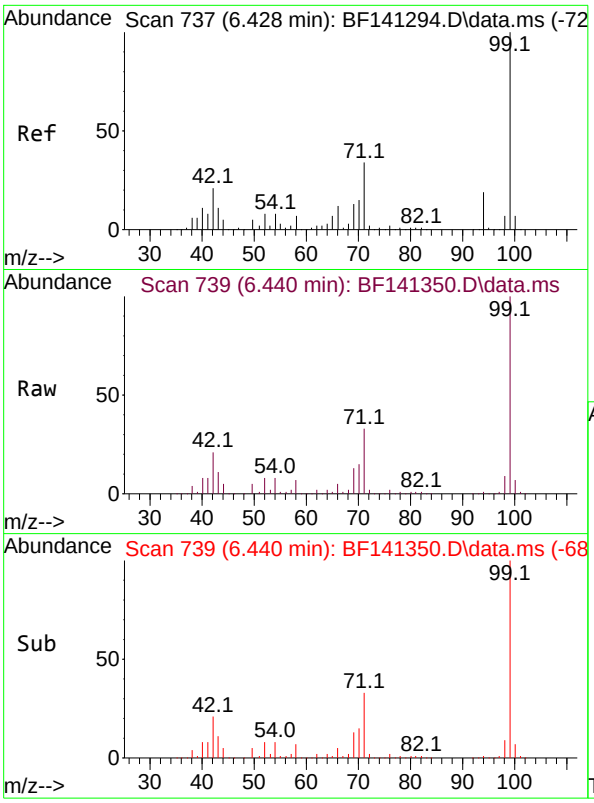


#5
2-Fluorophenol
Concen: 73.026 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:112 Resp: 709624

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.8	74.8
63	32.1	26.1	39.1



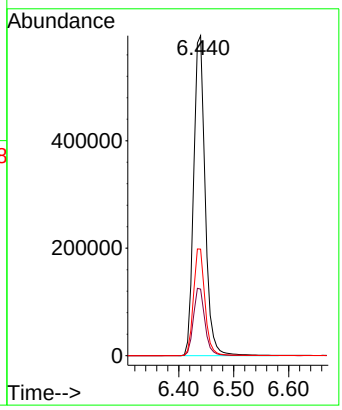


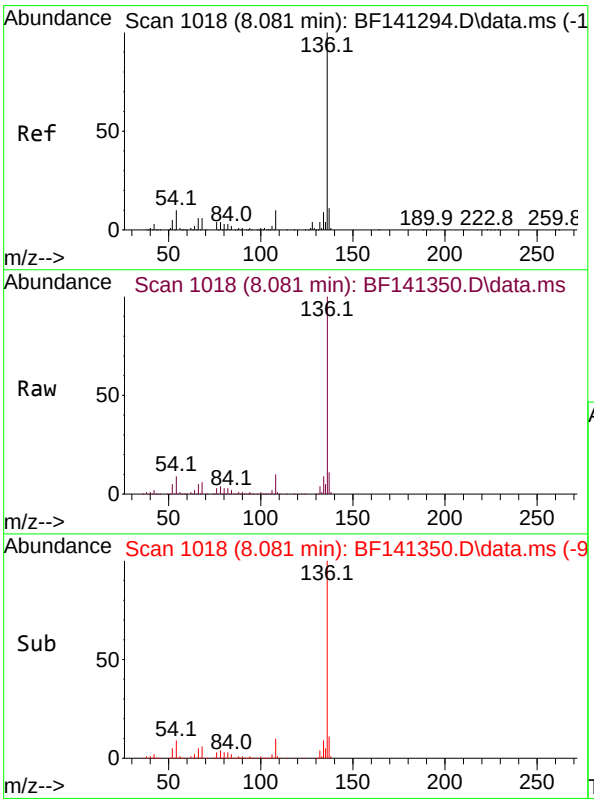
#7
Phenol-d6
Concen: 69.888 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion: 99 Resp: 863941

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	33.3	26.9	40.3

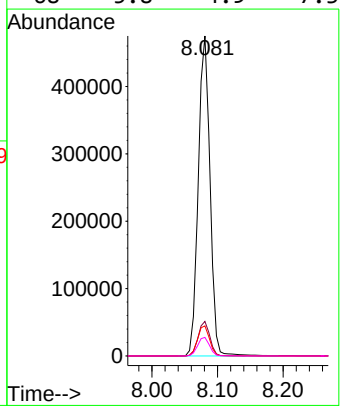


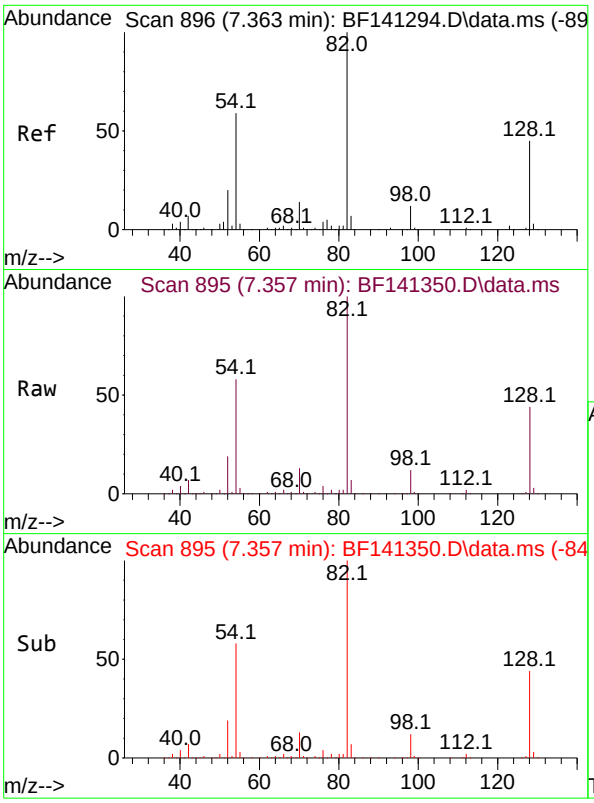


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:136 Resp: 593714

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.4	7.8	11.8
68	5.8	4.9	7.3



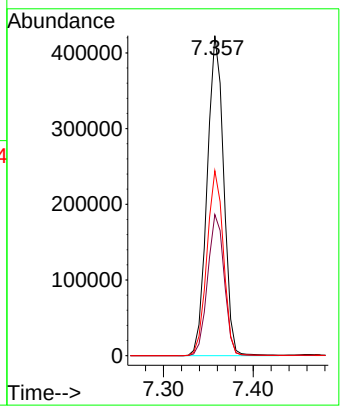


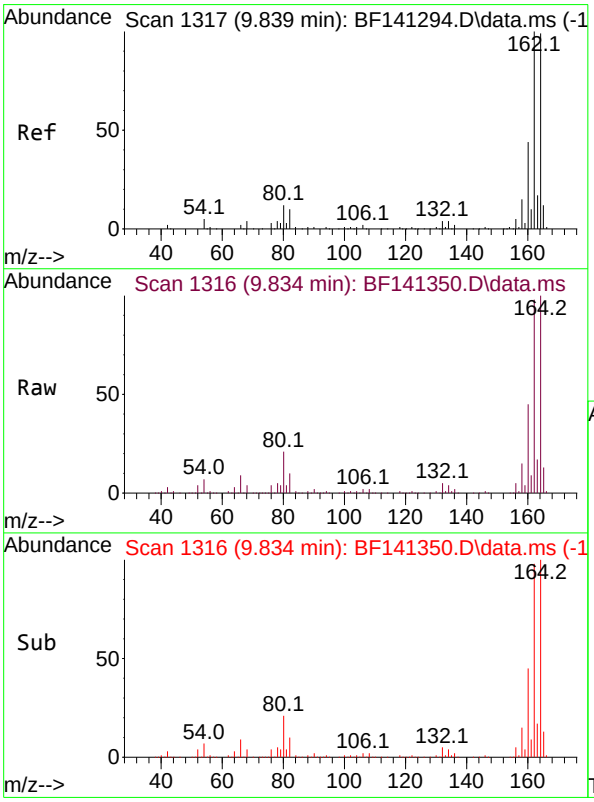
#23
Nitrobenzene-d5
Concen: 47.938 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion: 82 Resp: 539898

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.7	53.5
54	57.8	47.1	70.7

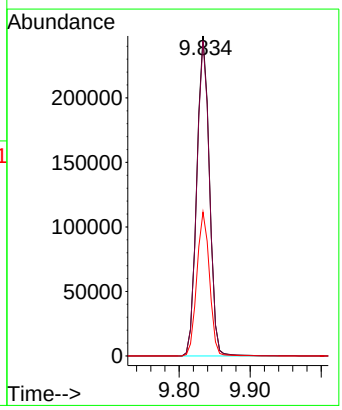


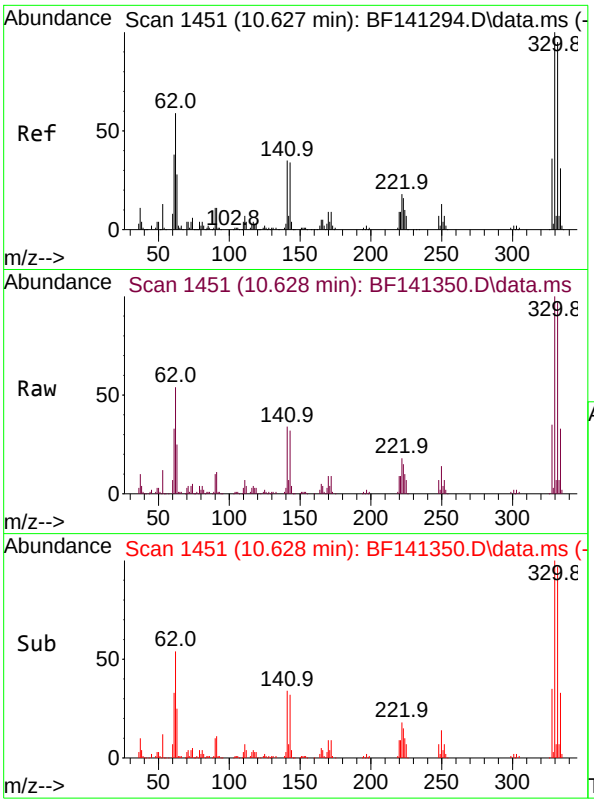


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:164 Resp: 307017

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	121.0
160	44.9	35.8	53.6



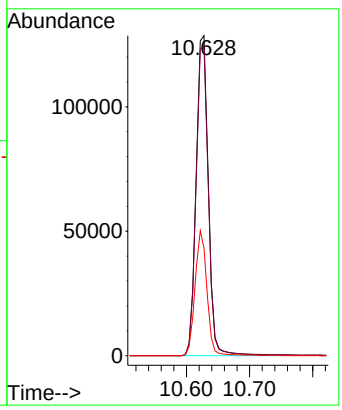


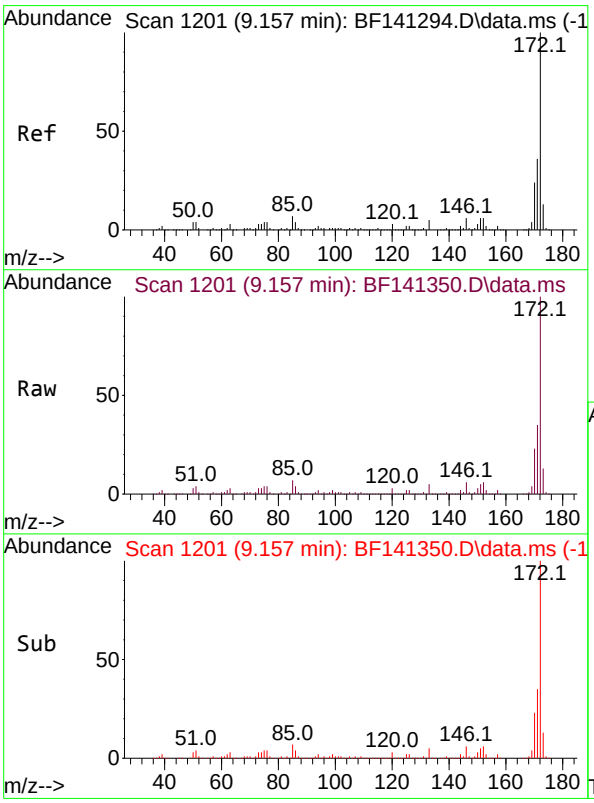
#42
2,4,6-Tribromophenol
Concen: 61.894 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:330 Resp: 174209

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.1	114.1
141	37.7	28.8	43.2

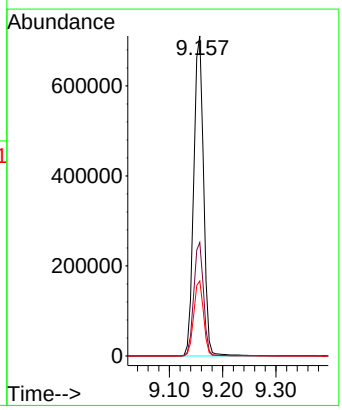


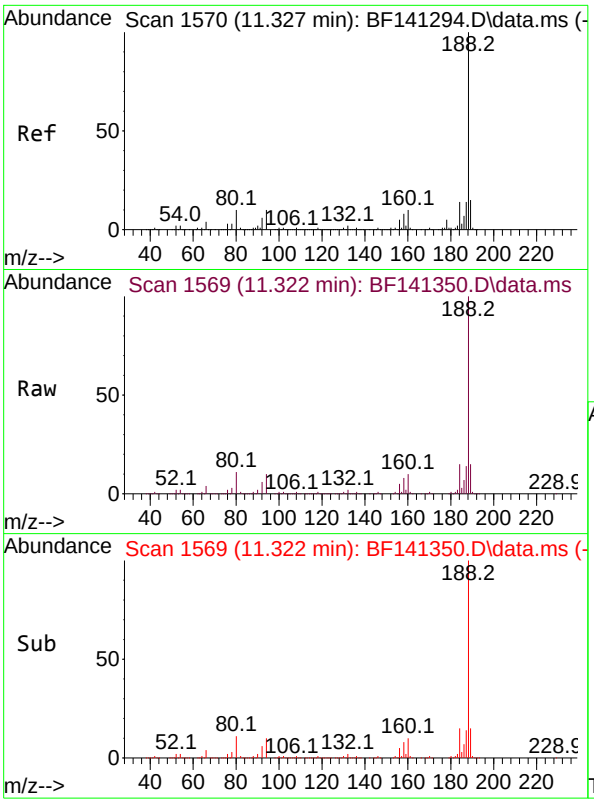


#45
2-Fluorobiphenyl
Concen: 46.029 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:172 Resp: 918116

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



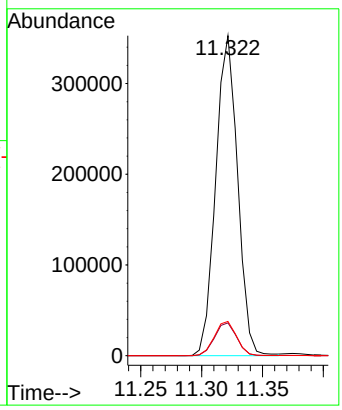


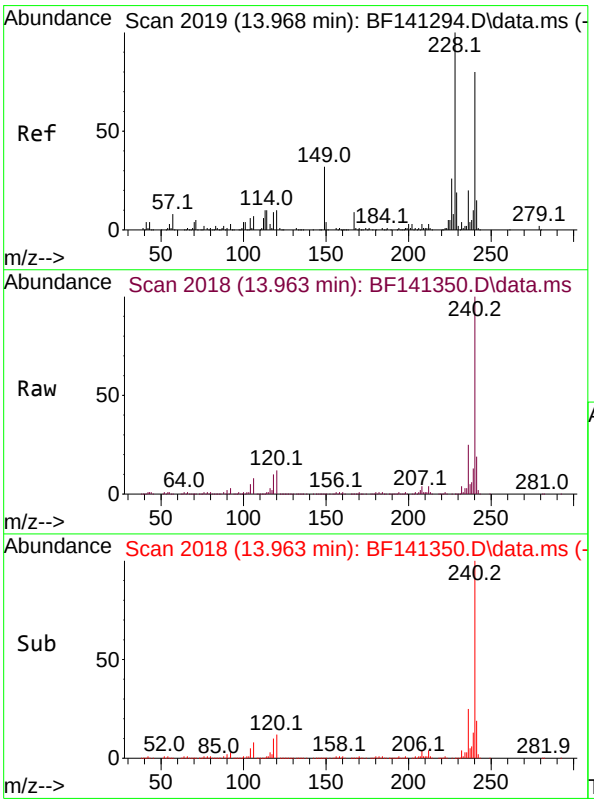
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:188 Resp: 441643

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.7	8.2	12.4

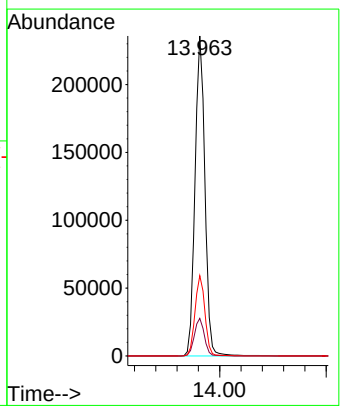


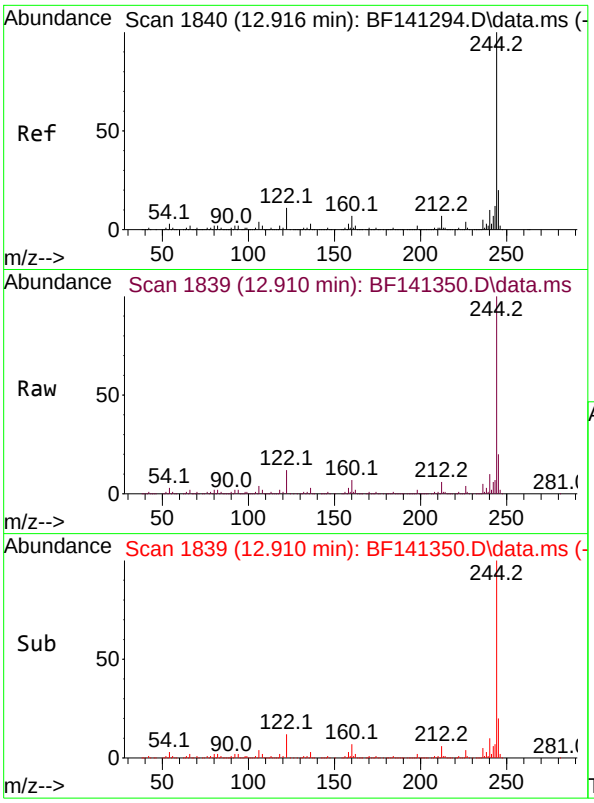


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:240 Resp: 304741

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.1	19.7	29.5



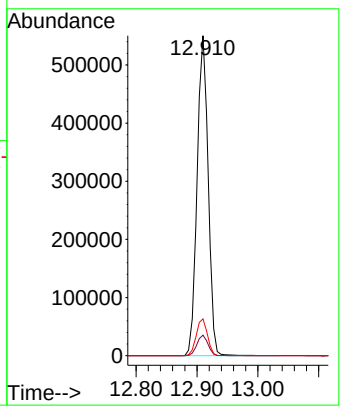


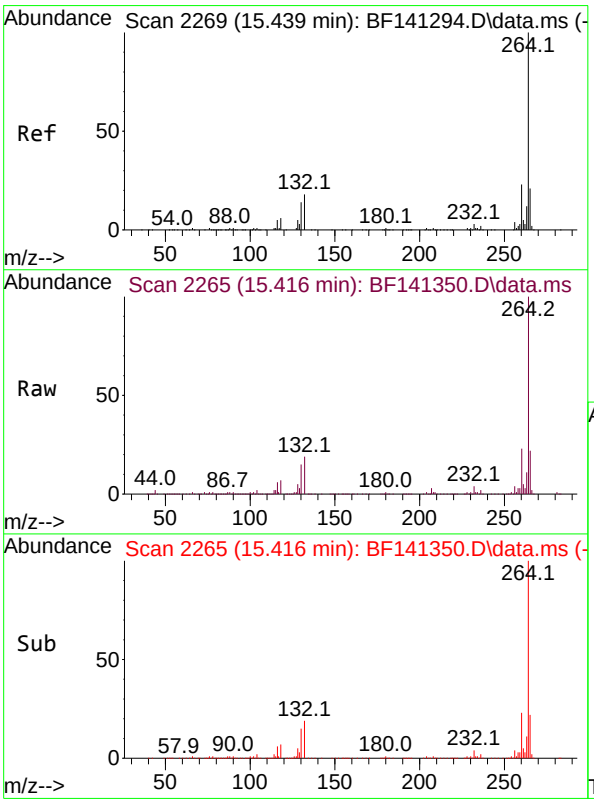
#79
Terphenyl-d14
Concen: 35.041 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:244 Resp: 692428

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.5	8.8	13.2

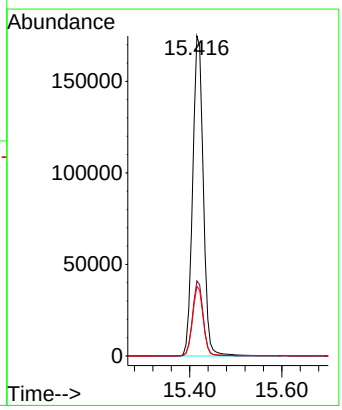




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:264 Resp: 278986

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.7	16.7	25.1



Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141350.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	4	10	22	rVB	59286	97211	3.63%	0.470%
2	5.004	490	495	504	rVB	35582	55478	2.07%	0.269%
3	5.422	560	566	585	rBV	1828388	2543144	95.07%	12.308%
4	5.981	656	661	668	rBV	18356	26825	1.00%	0.130%
5	6.440	733	739	760	rVB	1747970	2560707	95.72%	12.393%
6	6.798	795	800	805	rBV	746852	910293	34.03%	4.406%
7	7.357	889	895	900	rBV	1275670	1623521	60.69%	7.857%
8	7.616	933	939	945	rBV	60043	75587	2.83%	0.366%
9	8.081	1012	1018	1023	rBV	968117	1205587	45.07%	5.835%
10	8.298	1047	1055	1064	rBV2	26077	39732	1.49%	0.192%
11	9.157	1195	1201	1206	rBV	2080955	2675103	100.00%	12.947%
12	9.298	1221	1225	1238	rVB2	14270	28305	1.06%	0.137%
13	9.834	1311	1316	1329	rBV	1057602	1315880	49.19%	6.369%
14	10.545	1433	1437	1445	rBV	121589	161615	6.04%	0.782%
15	10.622	1445	1450	1461	rBV	1119682	1465773	54.79%	7.094%
16	11.322	1564	1569	1575	rVB	884623	1105615	41.33%	5.351%
17	11.857	1655	1660	1683	rBV2	93595	216106	8.08%	1.046%
18	12.645	1789	1794	1805	rBV10	11570	28622	1.07%	0.139%
19	12.910	1833	1839	1844	rBV	1441850	1814580	67.83%	8.782%
20	13.457	1926	1932	1936	rBV	277474	371571	13.89%	1.798%
21	13.498	1936	1939	1945	rVB2	36623	53361	1.99%	0.258%
22	13.604	1953	1957	1962	rBV	25897	35501	1.33%	0.172%
23	13.698	1968	1973	1976	rBV2	25010	37251	1.39%	0.180%
24	13.792	1985	1989	1992	rBV	23767	34952	1.31%	0.169%
25	13.869	1997	2002	2011	rVV5	36652	96260	3.60%	0.466%
26	13.963	2012	2018	2026	rVB	648027	872438	32.61%	4.222%
27	14.263	2064	2069	2078	rBV2	15693	33487	1.25%	0.162%
28	14.345	2079	2083	2089	rBV6	21839	30361	1.13%	0.147%
29	14.445	2095	2100	2104	rBV	36437	50161	1.88%	0.243%
30	14.504	2106	2110	2122	rVV10	8736	31005	1.16%	0.150%
31	15.080	2203	2208	2214	rBV	60933	89710	3.35%	0.434%
32	15.416	2260	2265	2279	rVB	479146	768196	28.72%	3.718%
33	15.892	2341	2346	2356	rVB	28518	55379	2.07%	0.268%
34	16.739	2484	2490	2500	rVB2	45399	90729	3.39%	0.439%
35	18.221	2736	2742	2751	rVB7	24674	62034	2.32%	0.300%

Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 20662080

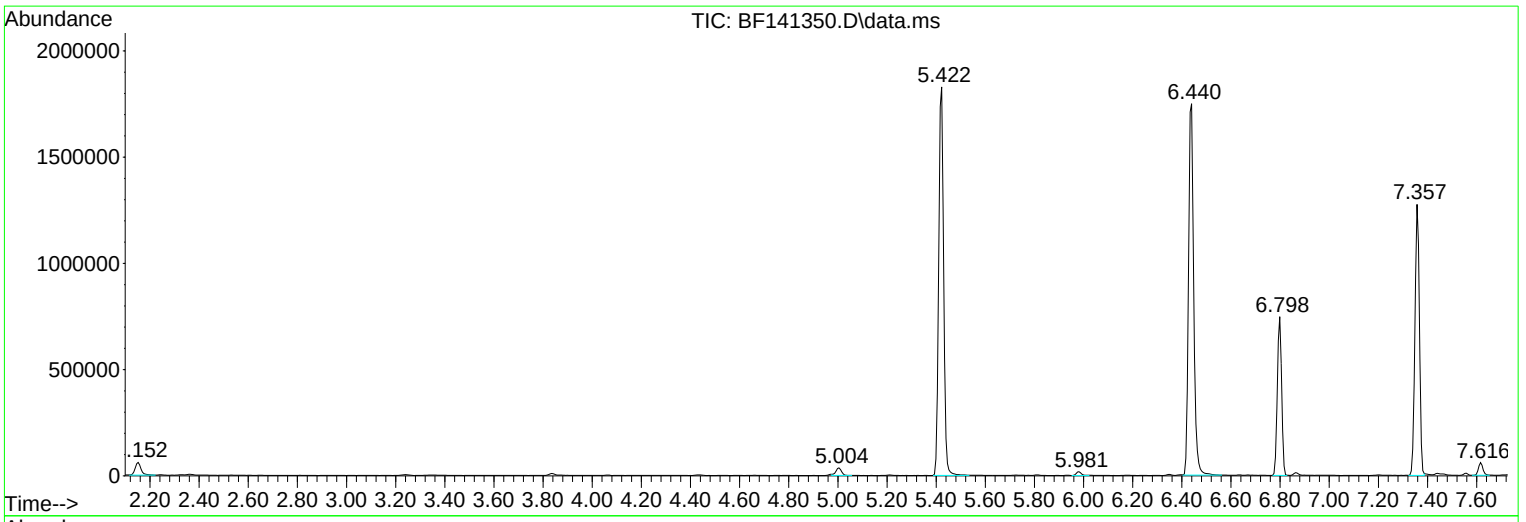
Sample Results: **BF141350.D**

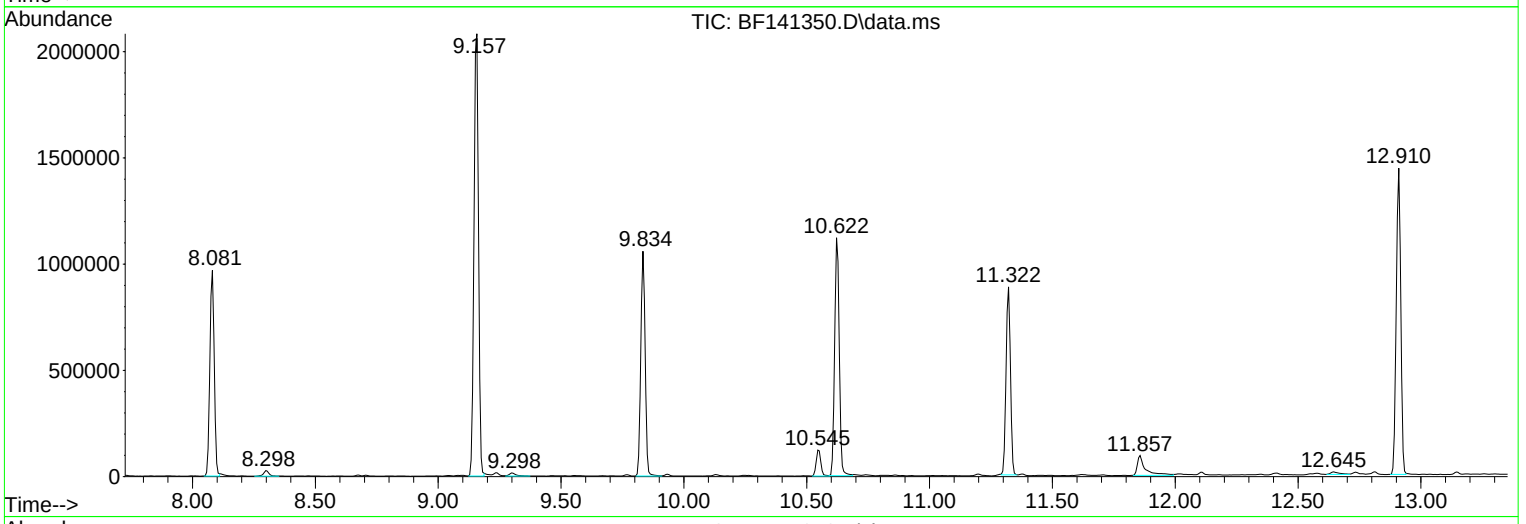
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

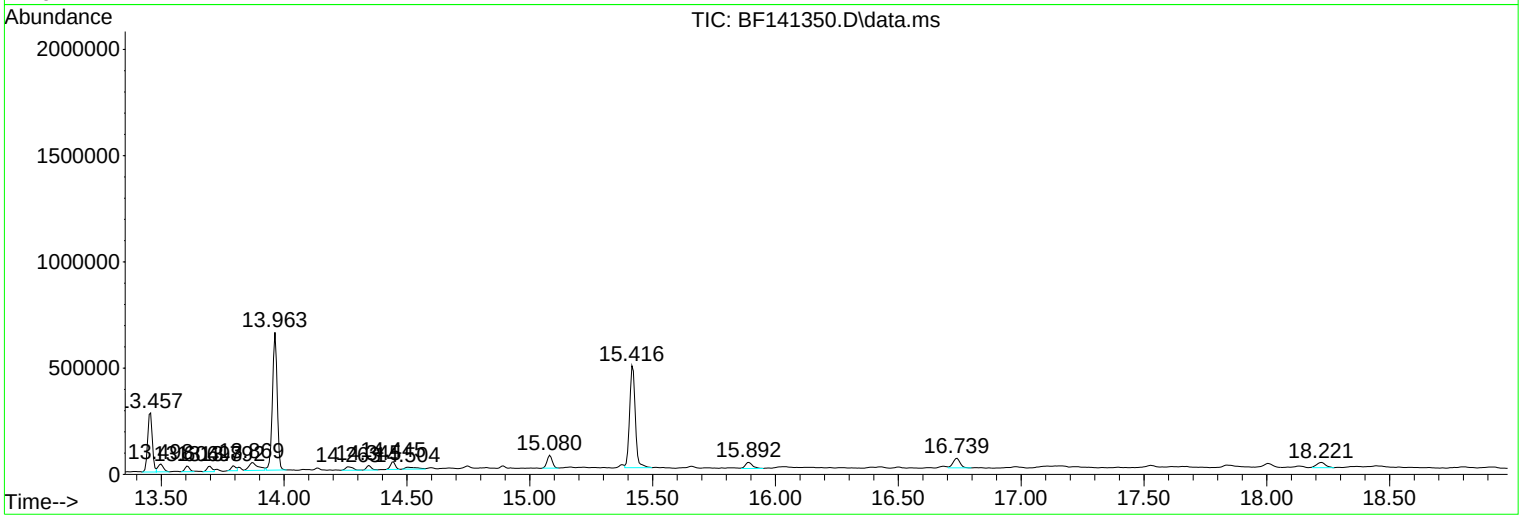
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

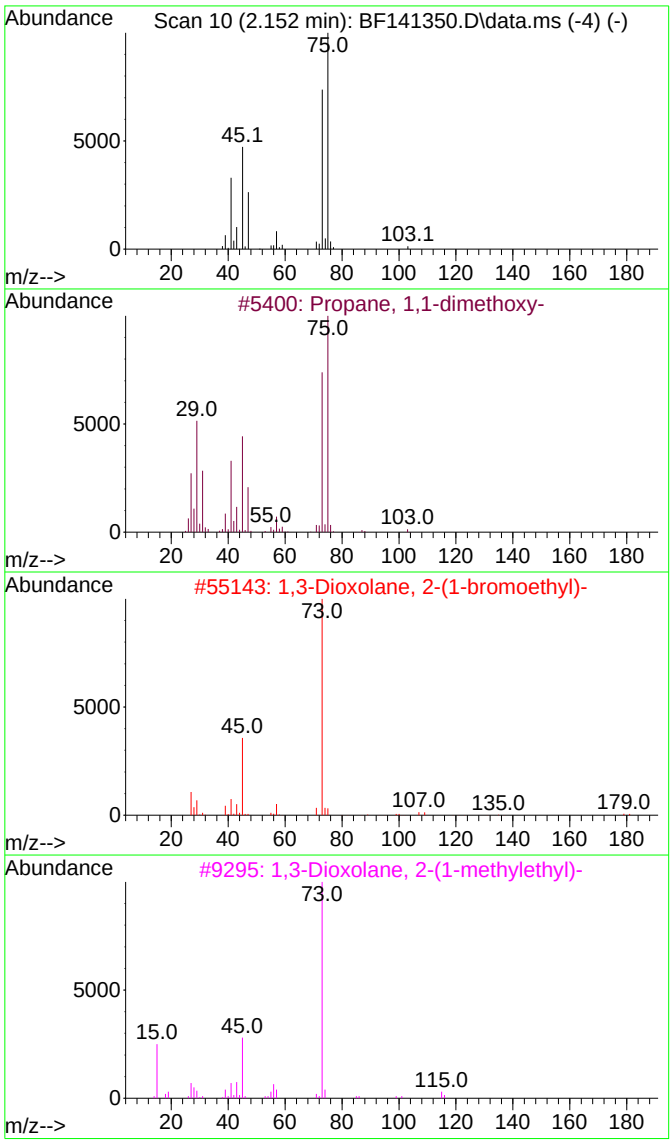
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TIC Integration Parameters: LSCINT.P

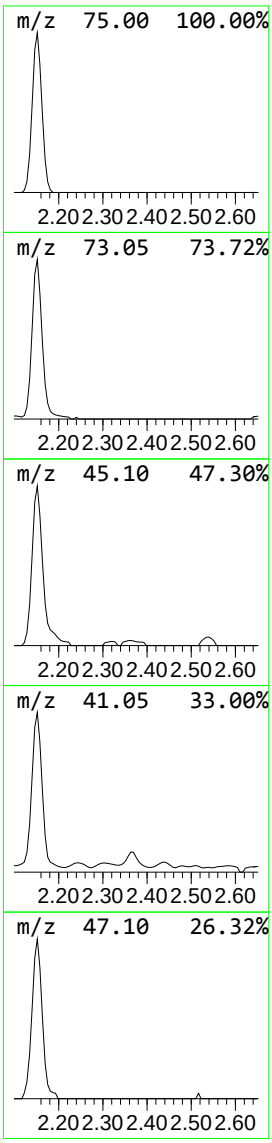
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	2.14 ng	97211	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	27
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	27
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	16
5	2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

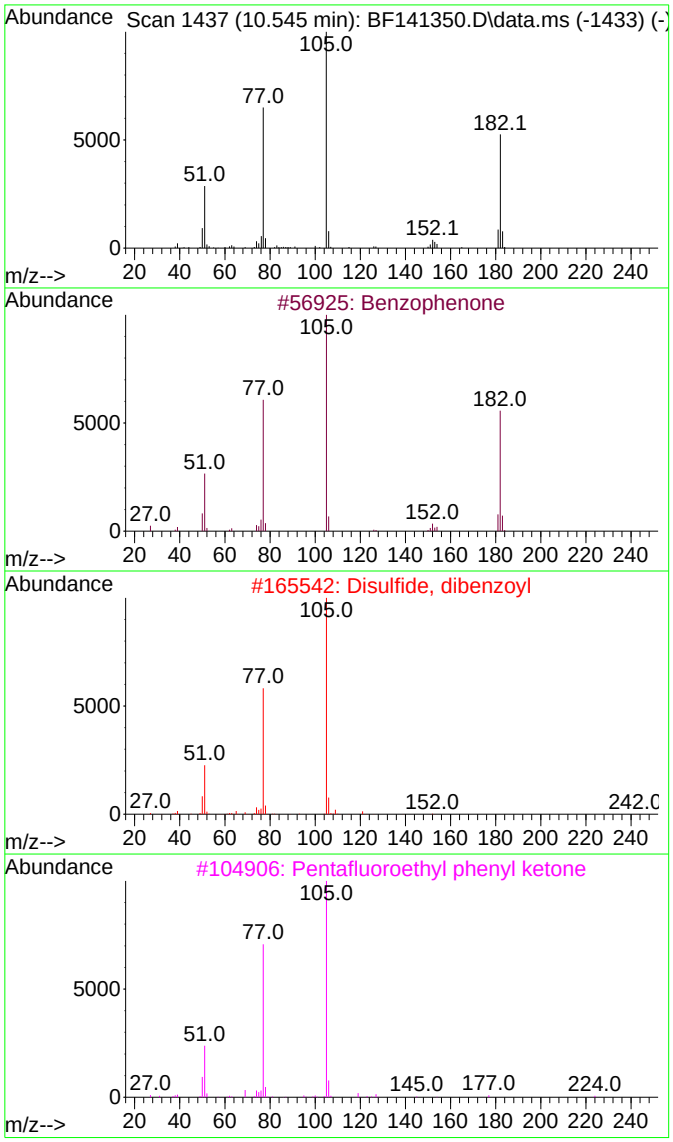
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TIC Integration Parameters: LSCINT.P

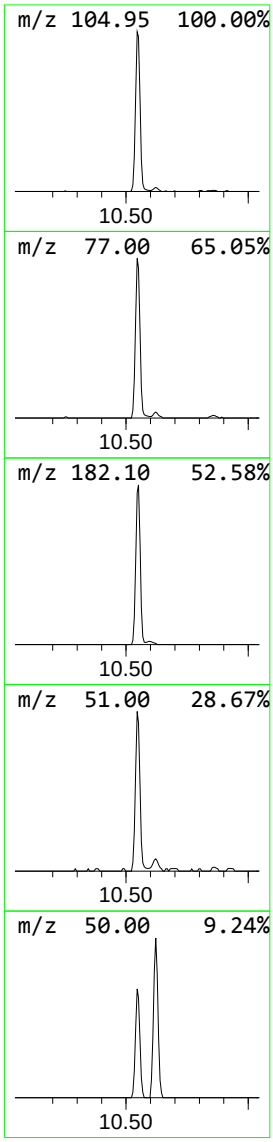
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Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.46 ng	161615	Acenaphthene-d10	9.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	52
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

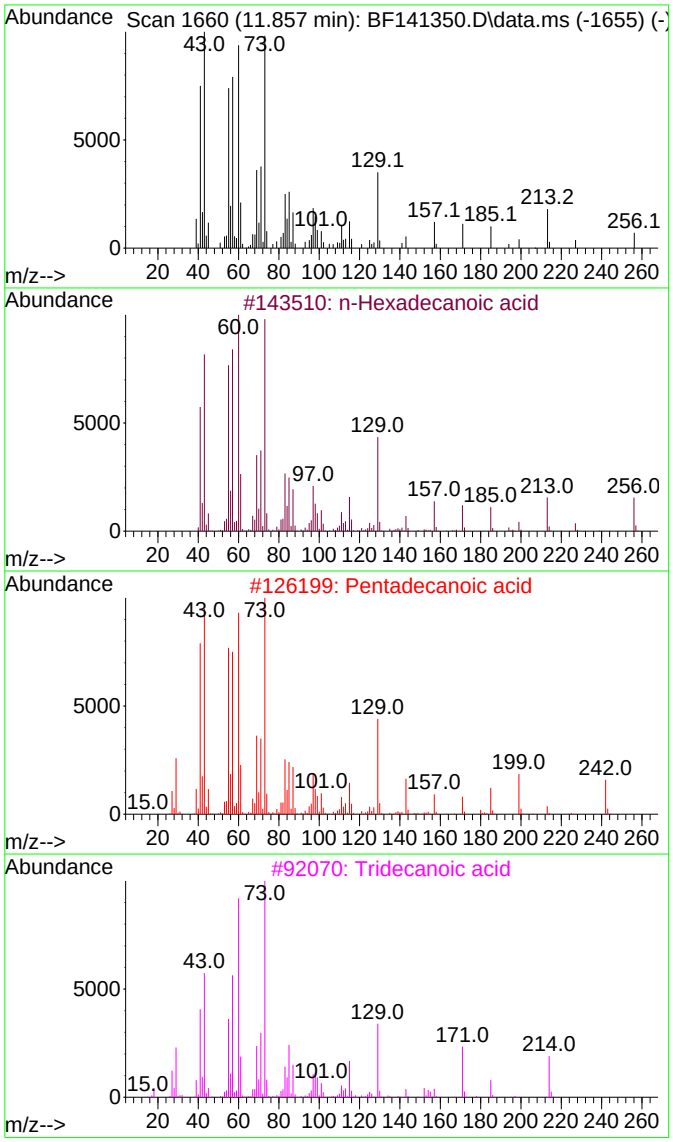
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

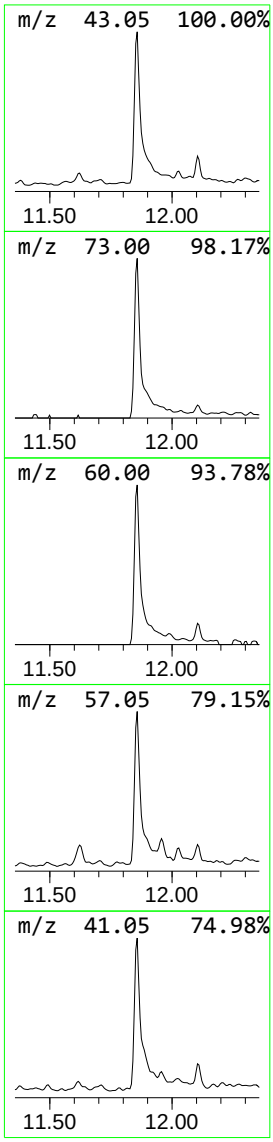
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	3.91 ng	216106	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

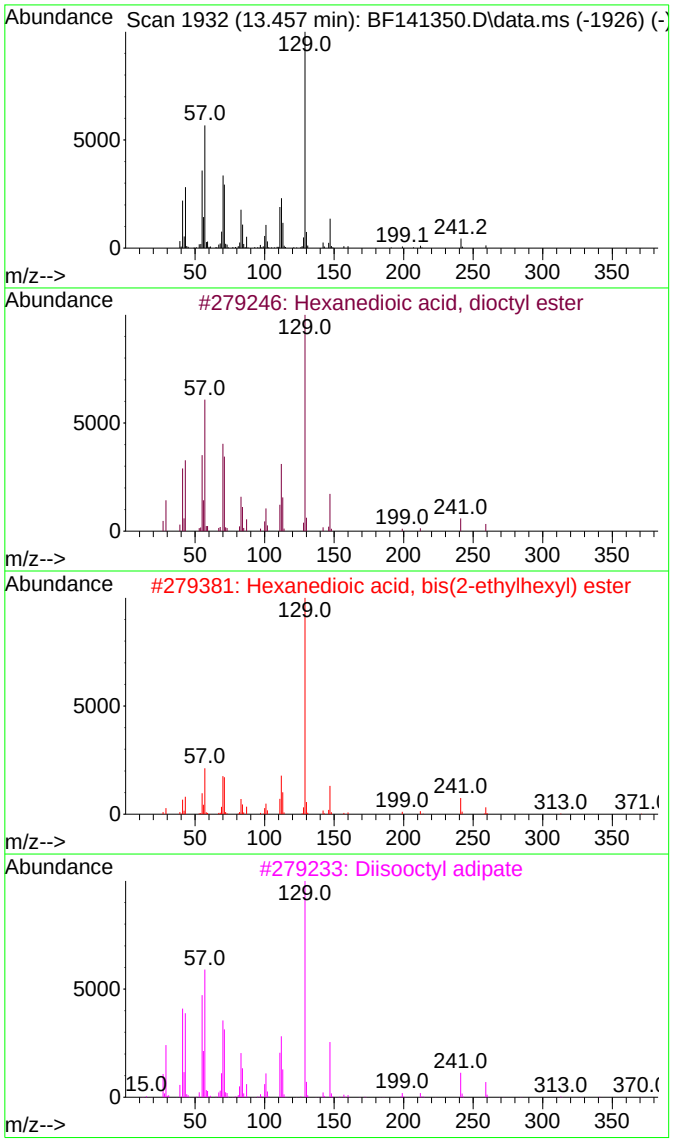
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

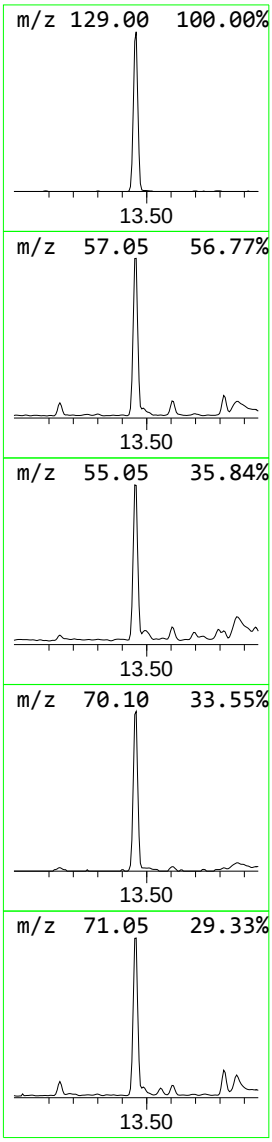
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexanedioic acid, dioctyl e... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	8.52 ng	371571	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	80
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

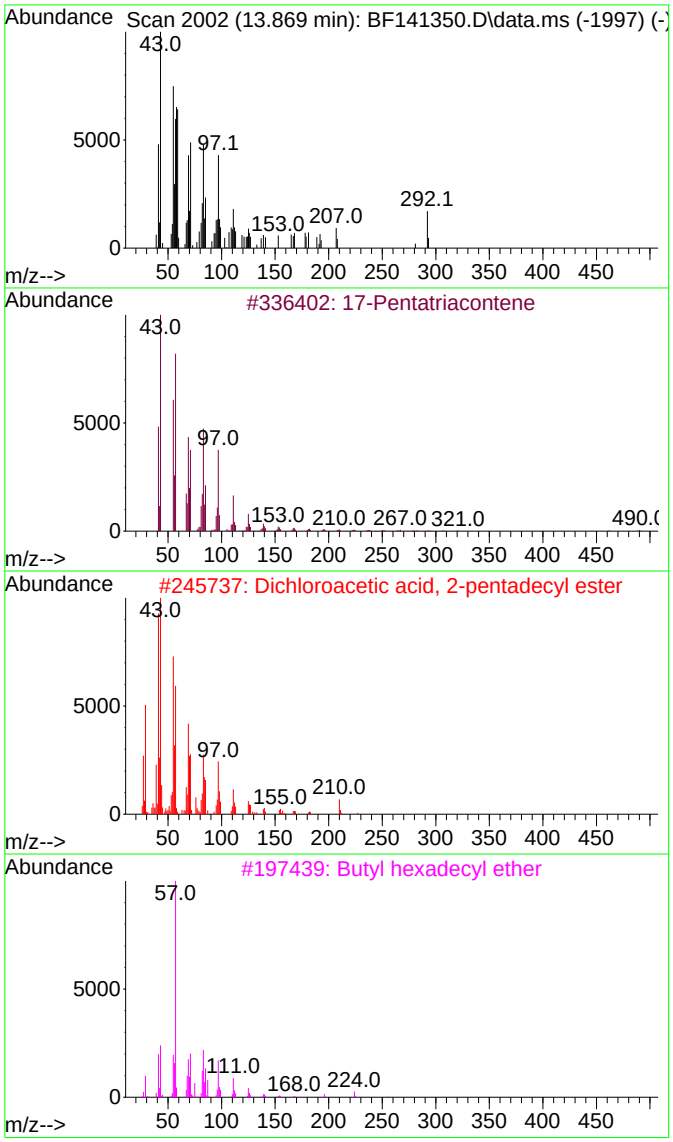
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TIC Integration Parameters: LSCINT.P

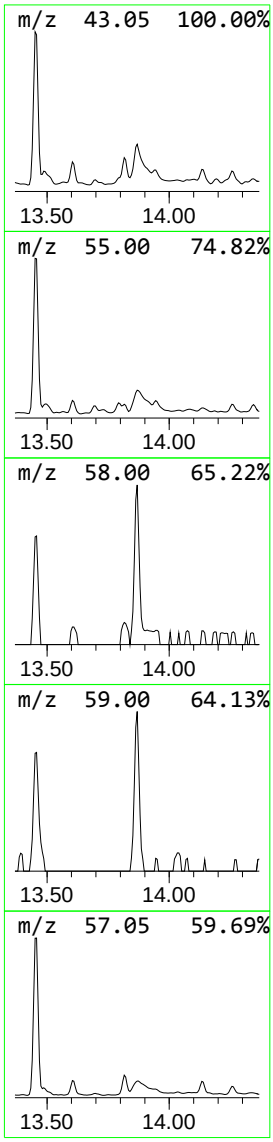
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Peak Number 5 unknown13.869 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.869	2.21 ng	96260	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	46
2	Dichloroacetic acid, 2-pentadecy...	338	C17H32Cl2O2	1010280-64-7	46
3	Butyl hexadecyl ether	298	C20H42O	1010406-40-5	46
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	42
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

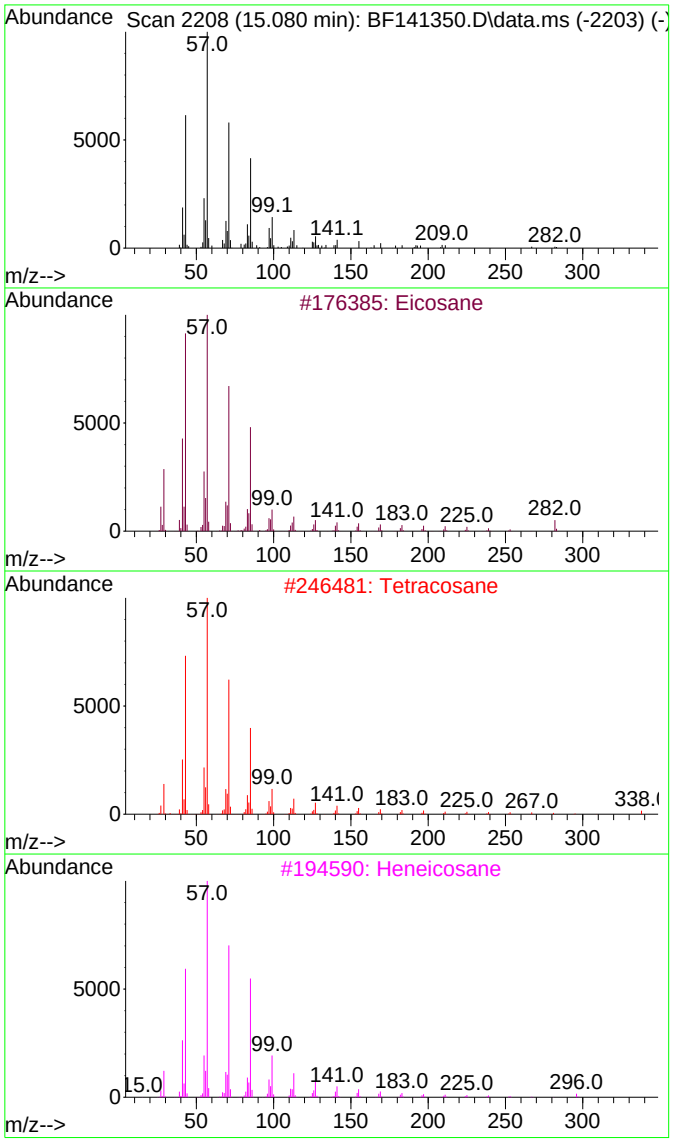
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TIC Integration Parameters: LSCINT.P

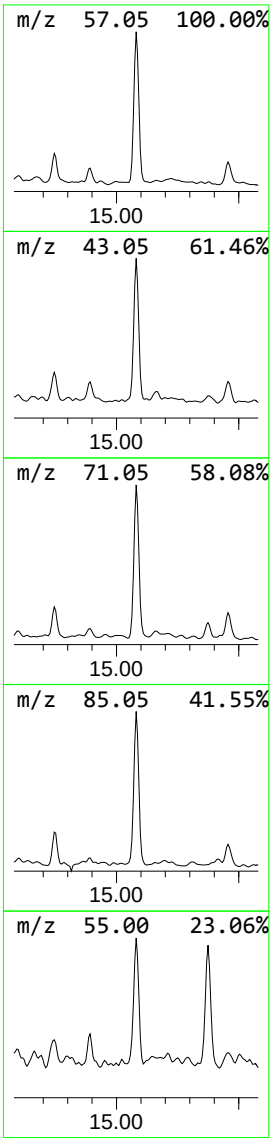
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Peak Number 6 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	2.34 ng	89710	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

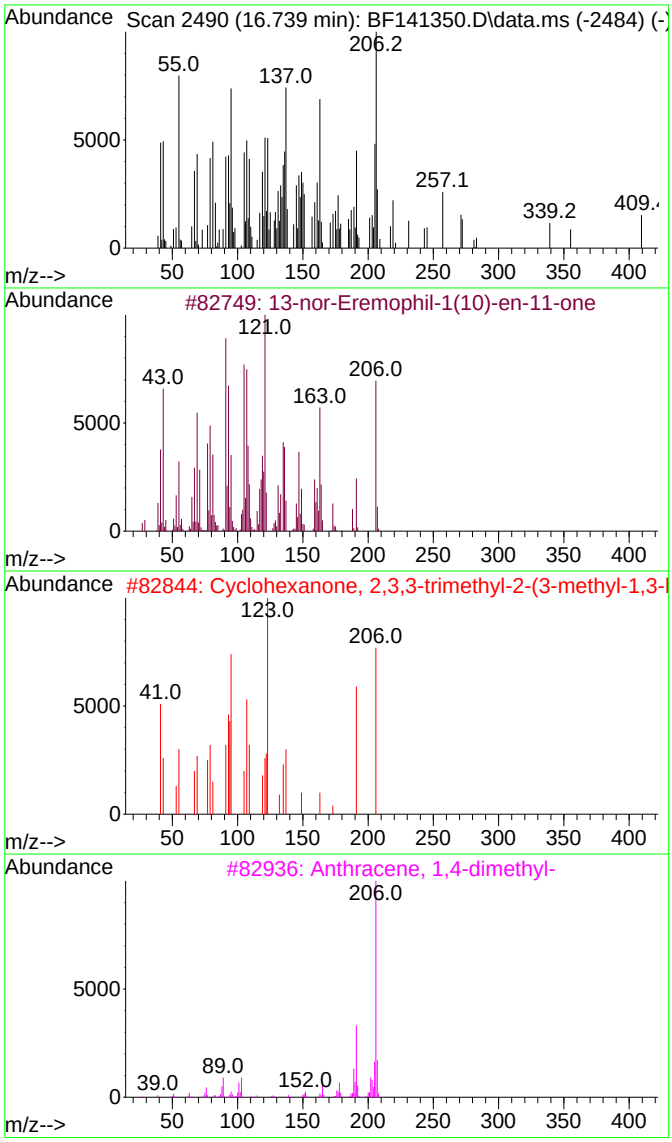
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

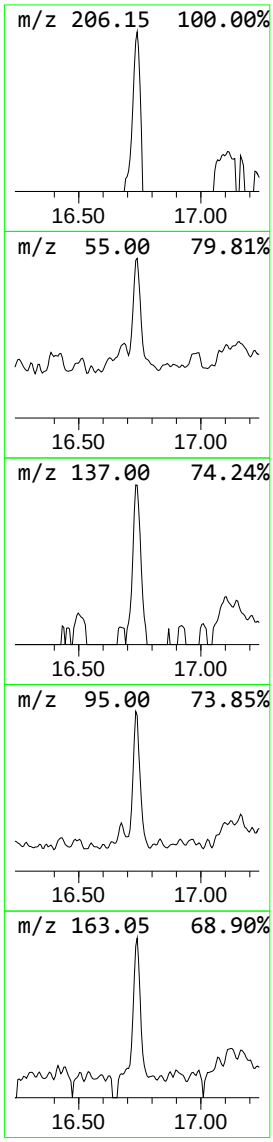
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Peak Number 7 unknown16.739 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.739	2.36 ng	90729	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-nor-Eremophil-1(10)-en-11-one	206	C14H22O	054275-21-7	35
2	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	30
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25
4	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-56-2	25
5	1-(2-Hydroxyphenyl)piperazine, N...	206	C12H18N2O	148547-51-7	25





Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.152	2.1	ng	97211	1	6.798	910293	20.0
Benzophenone	10.545	2.5	ng	161615	3	9.834	1315880	20.0
n-Hexadecanoic ...	11.857	3.9	ng	216106	4	11.322	1105620	20.0
Hexanedioic aci...	13.457	8.5	ng	371571	5	13.963	872438	20.0
unknown13.869	13.869	2.2	ng	96260	5	13.963	872438	20.0
Eicosane	15.080	2.3	ng	89710	6	15.416	768196	20.0
unknown16.739	16.739	2.4	ng	90729	6	15.416	768196	20.0

Raw Data: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	380	ug/Kg
108-95-2	Phenol	95.4	U	95.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	200	ug/Kg
95-57-8	2-Chlorophenol	96.1	U	96.1	200	ug/Kg
95-48-7	2-Methylphenol	92.7	U	92.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	91.8	U	91.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.4	U	46.4	92.0	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	200	ug/Kg
98-95-3	Nitrobenzene	100	U	100	200	ug/Kg
78-59-1	Isophorone	97.3	U	97.3	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.7	U	98.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	86.9	U	86.9	200	ug/Kg
91-20-3	Naphthalene	95.0	U	95.0	200	ug/Kg
106-47-8	4-Chloroaniline	95.0	UQ	95.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	95.8	U	95.8	200	ug/Kg
105-60-2	Caprolactam	99.9	U	99.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.2	U	89.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.1	U	82.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.1	U	85.1	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	94.0	U	94.0	200	ug/Kg

Raw Data: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	99.5	U	99.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.7	U	95.7	200	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.2	U	99.2	200	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	200	ug/Kg
86-73-7	Fluorene	110	J	98.4	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.8	U	90.8	200	ug/Kg
118-74-1	Hexachlorobenzene	97.8	U	97.8	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	88.9	U	88.9	380	ug/Kg
85-01-8	Phenanthrene	820		96.6	200	ug/Kg
120-12-7	Anthracene	180	J	97.1	200	ug/Kg
86-74-8	Carbazole	92.4	U	92.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.0	U	97.0	200	ug/Kg
206-44-0	Fluoranthene	600		94.0	200	ug/Kg
129-00-0	Pyrene	430		95.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		92.8	200	ug/Kg
218-01-9	Chrysene	200		91.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	93.3	200	ug/Kg

Raw Data: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	95.0	U	95.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.8	U	89.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.4	U	93.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.1	U	92.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.9	U	99.9	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.9	U	85.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	106		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.3		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 (10) - 130 (116)	71%	SPK: 150
1718-51-0	Terphenyl-d14	60.0		30 (10) - 130 (105)	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787			
1146-65-2	Naphthalene-d8	280000	8.069			
15067-26-2	Acenaphthene-d10	156000	9.822			
1517-22-2	Phenanthrene-d10	273000	11.31			
1719-03-5	Chrysene-d12	230000	13.951			
1520-96-3	Perylene-d12	197000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	JB		2.13	ug/Kg
Total PAH	Total PAH	2900	J		9.86	ug/Kg
000119-61-9	Benzophenone	190	J		10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	150	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	150	J		11.8	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	300	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J		12.1	ug/Kg

Raw Data: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000781-43-1	9,10-Dimethylanthracene	82.8	J		12.4	ug/Kg
	unknown12.398	80.9	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	92.8	J		13.1	ug/Kg
000192-97-2	Benzo[e]pyrene	95.1	J		15.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	86.7	J		16.8	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\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

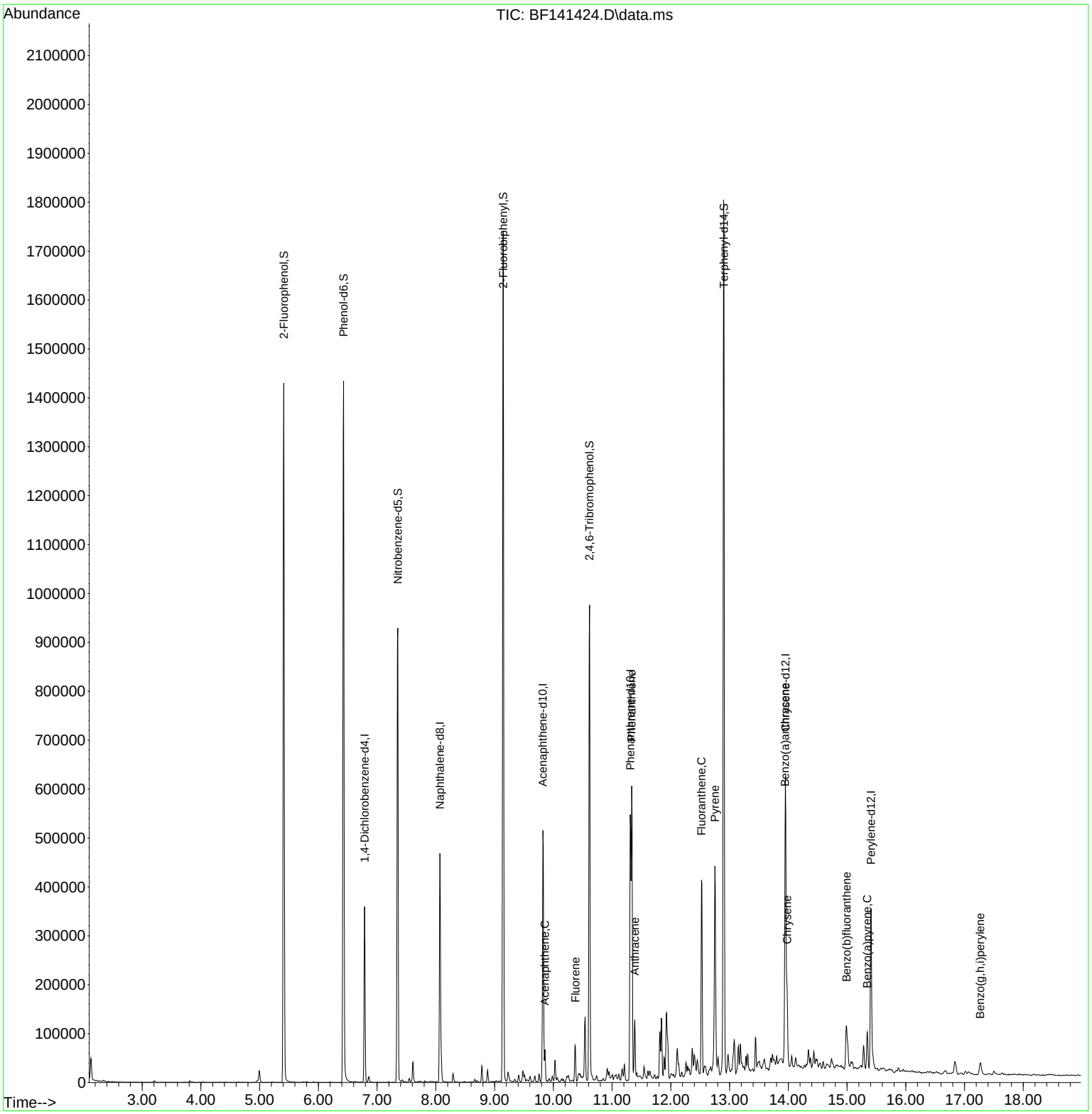
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	19323	2.044	ng	94
58) Fluorene	10.375	166	29386	2.993	ng	96
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	57537m	4.641	ng	
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

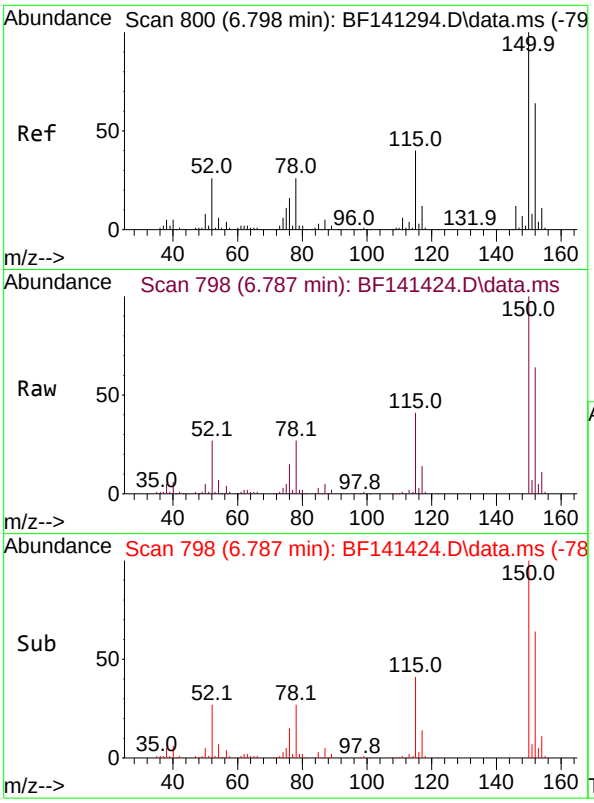
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



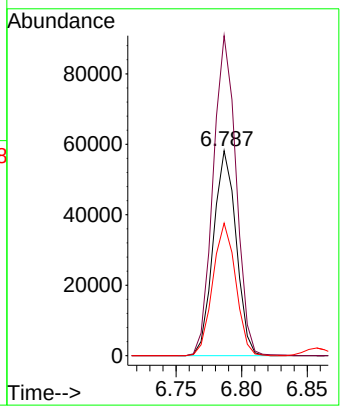


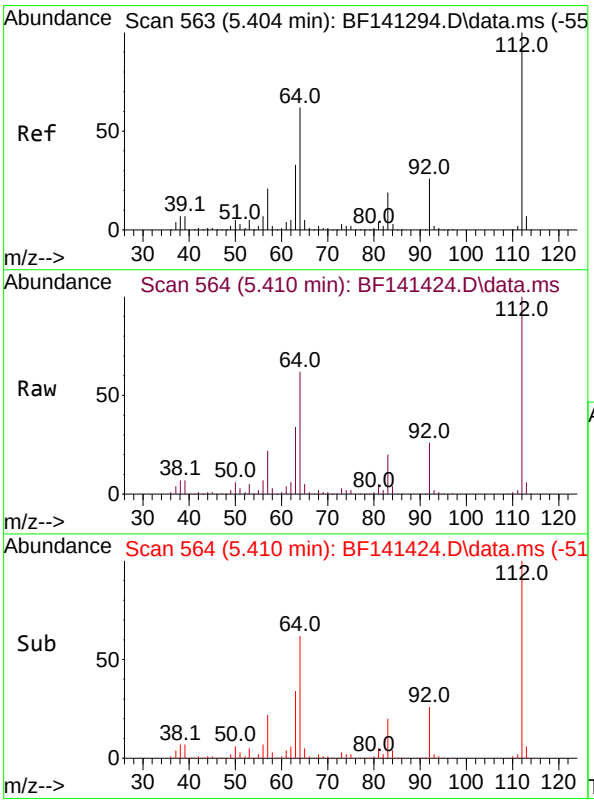
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:152 Resp: 70324

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	64.6	49.7	74.5

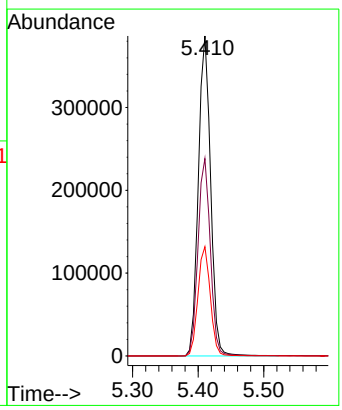


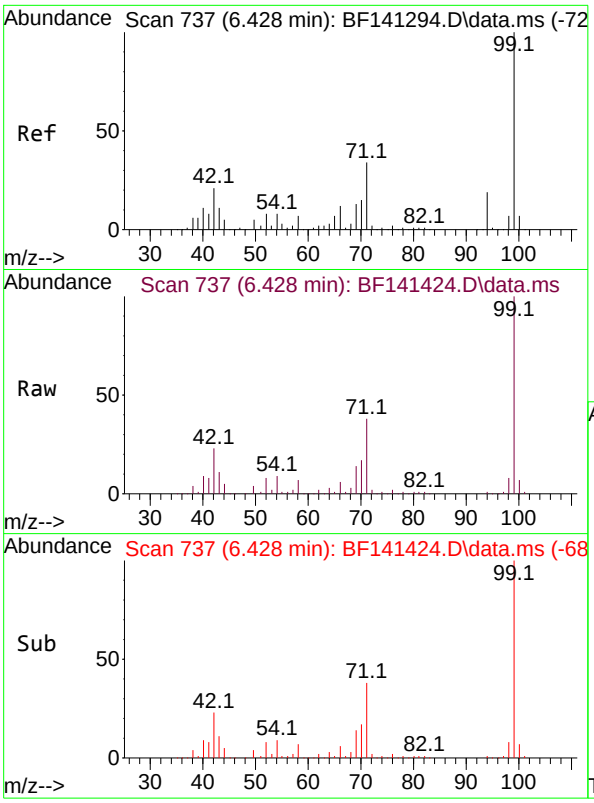


#5
2-Fluorophenol
Concen: 110.272 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:112 Resp: 505129

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.8	74.8
63	34.1	26.1	39.1



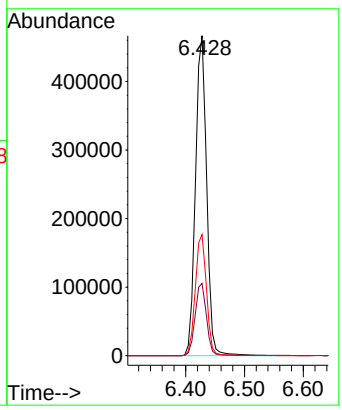


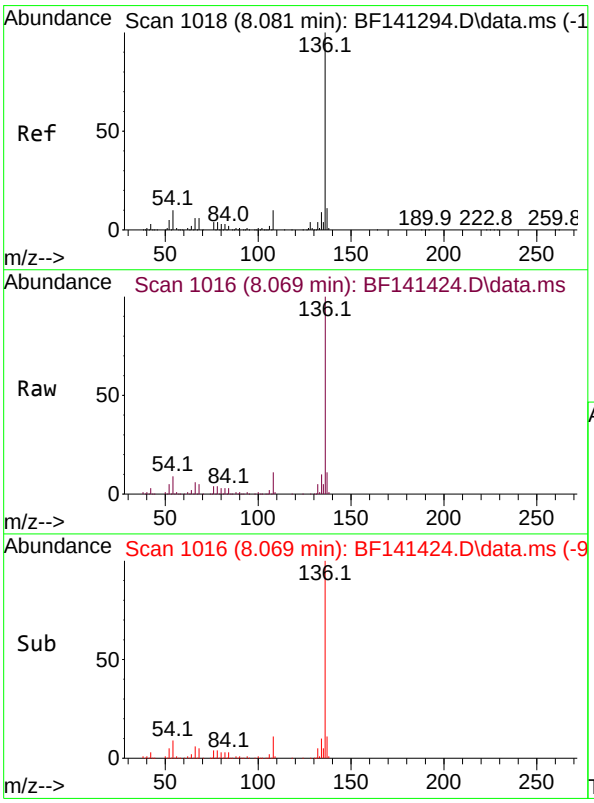
#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion: 99 Resp: 615541

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.1	25.7
71	37.9	26.9	40.3

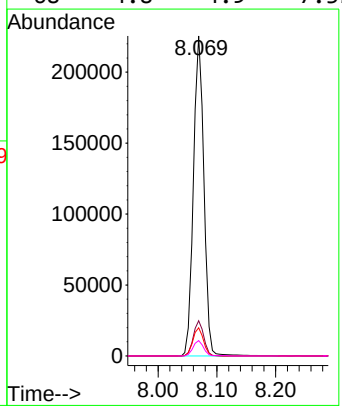


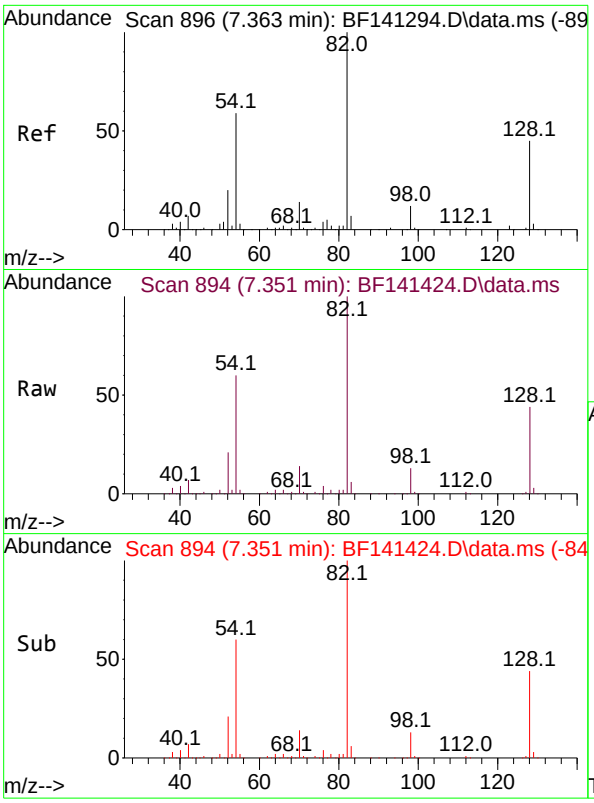


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:136 Resp: 279899

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.8	7.8	11.8
68	4.8	4.9	7.3#



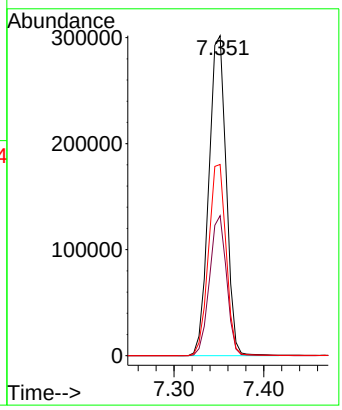


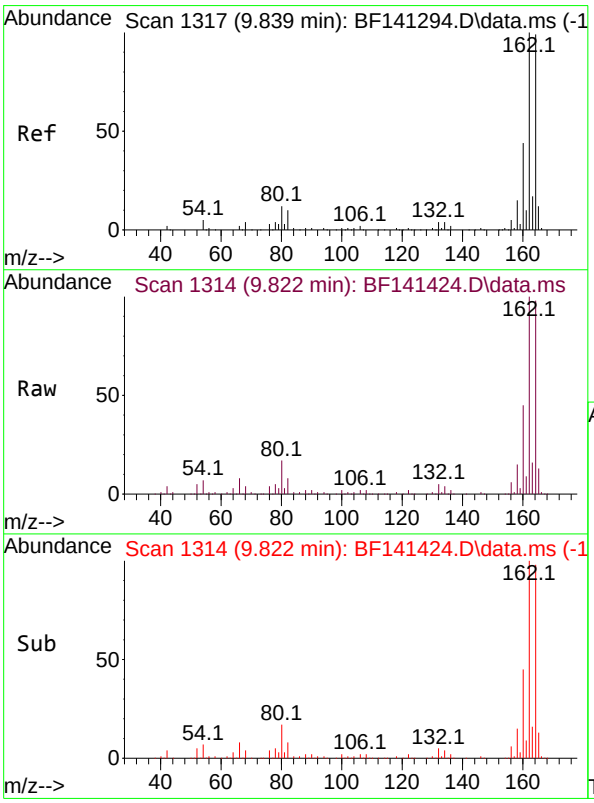
#23
Nitrobenzene-d5
Concen: 76.349 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion: 82 Resp: 405374

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.7	53.5
54	59.8	47.1	70.7

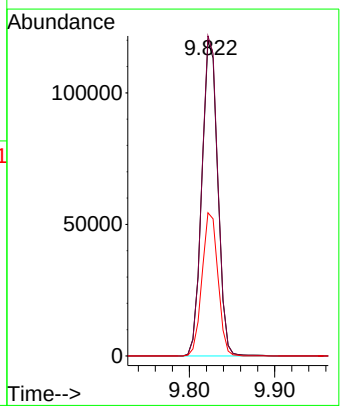


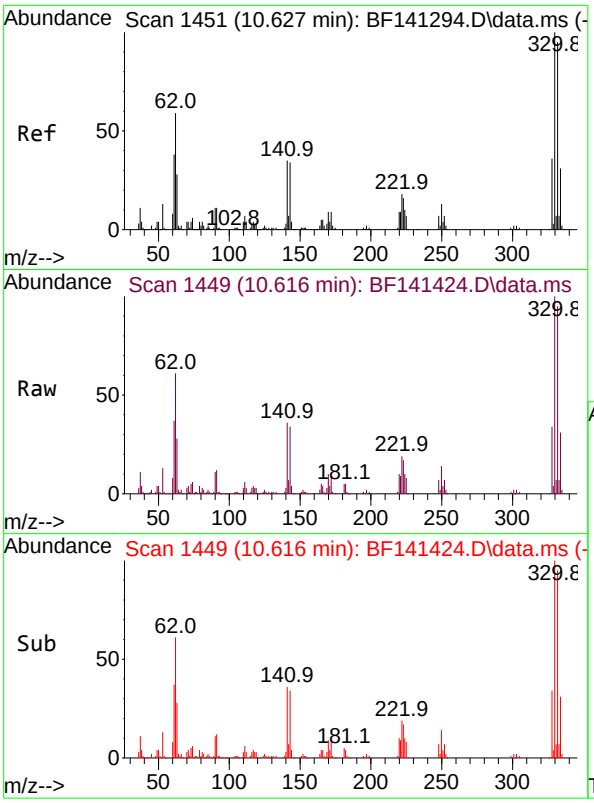


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:164 Resp: 155548

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	45.5	35.8	53.6



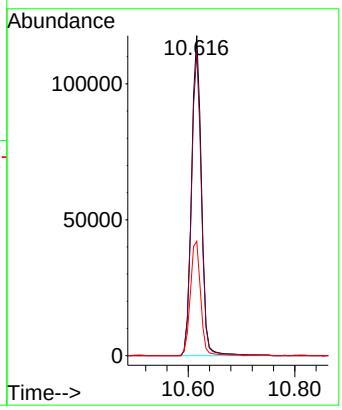


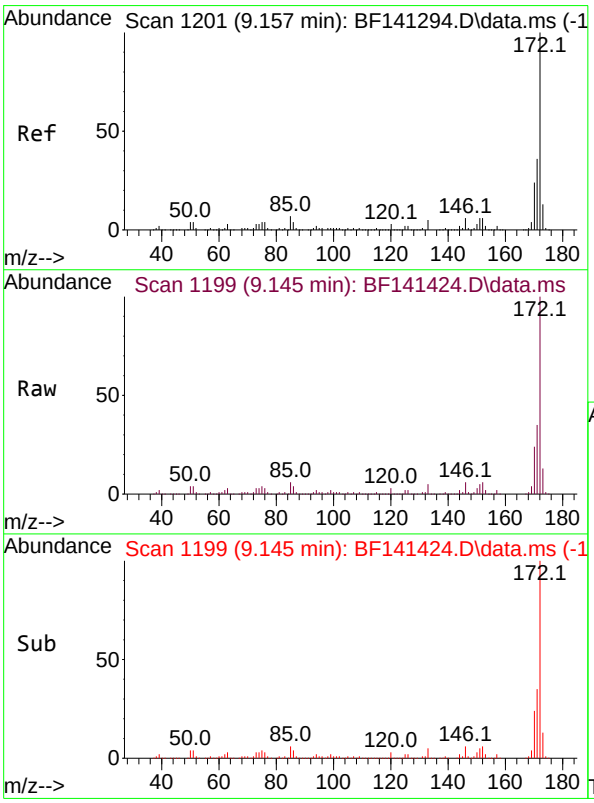
#42
2,4,6-Tribromophenol
Concen: 106.725 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:330 Resp: 152191

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.1	114.1
141	37.3	28.8	43.2

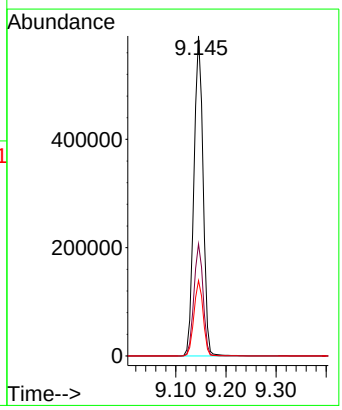


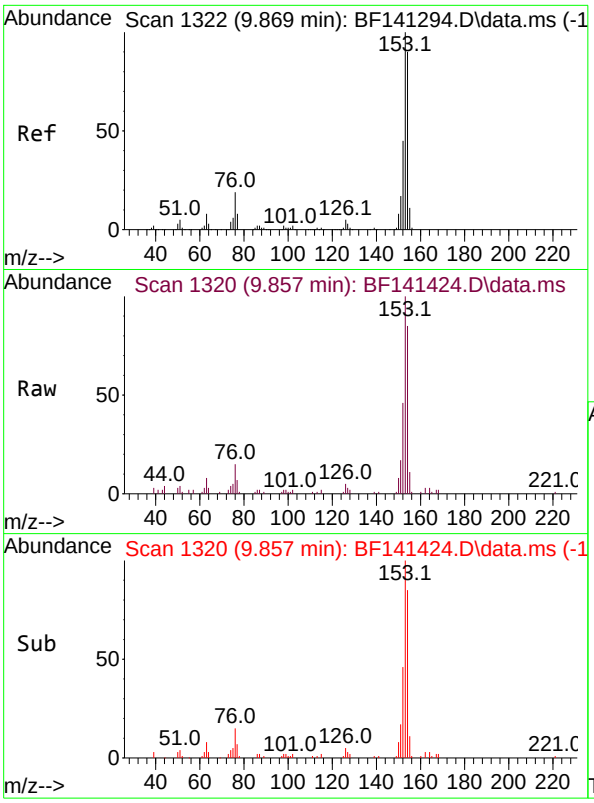


#45
2-Fluorobiphenyl
Concen: 74.116 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:172 Resp: 749004

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.5	19.0	28.6



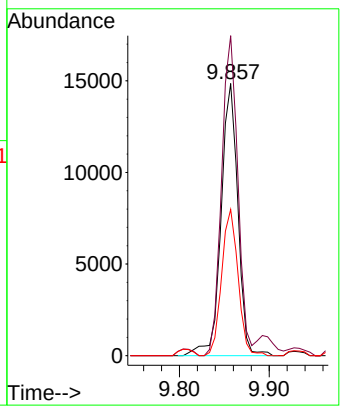


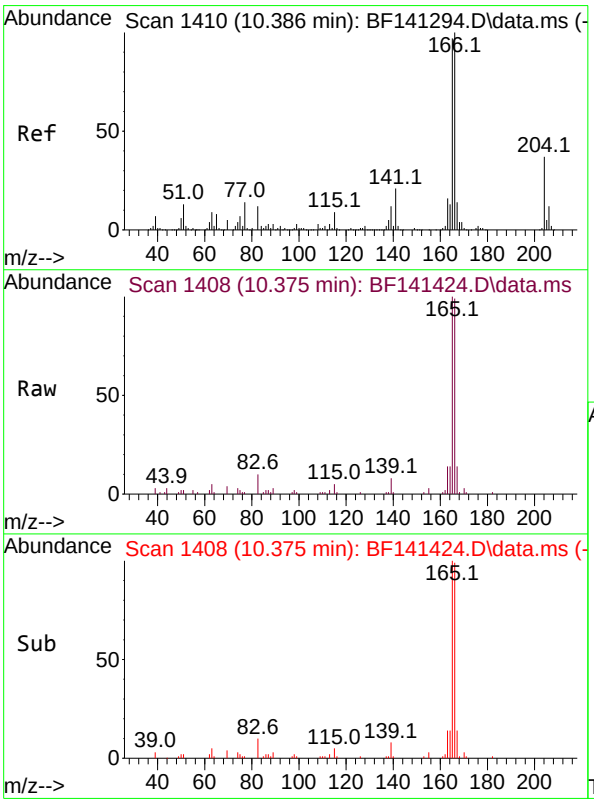
#52
Acenaphthene
Concen: 2.044 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:154 Resp: 19323

Ion	Ratio	Lower	Upper
154	100		
153	117.6	89.0	133.4
152	53.7	40.2	60.4

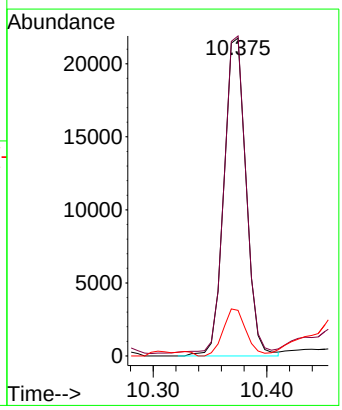


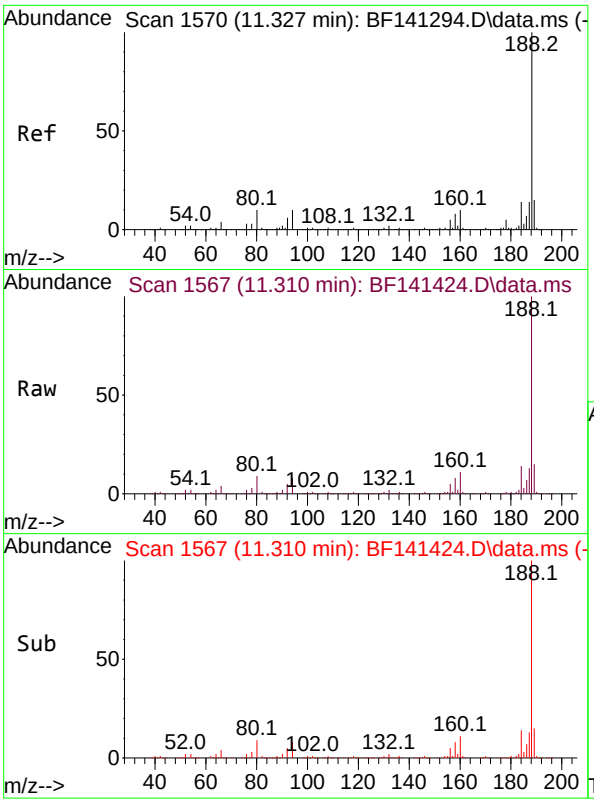


#58
Fluorene
Concen: 2.993 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:166 Resp: 29386

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.5	116.3
167	14.4	10.9	16.3



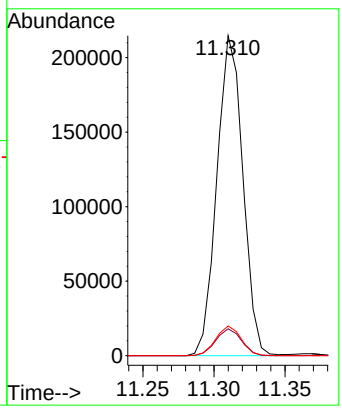


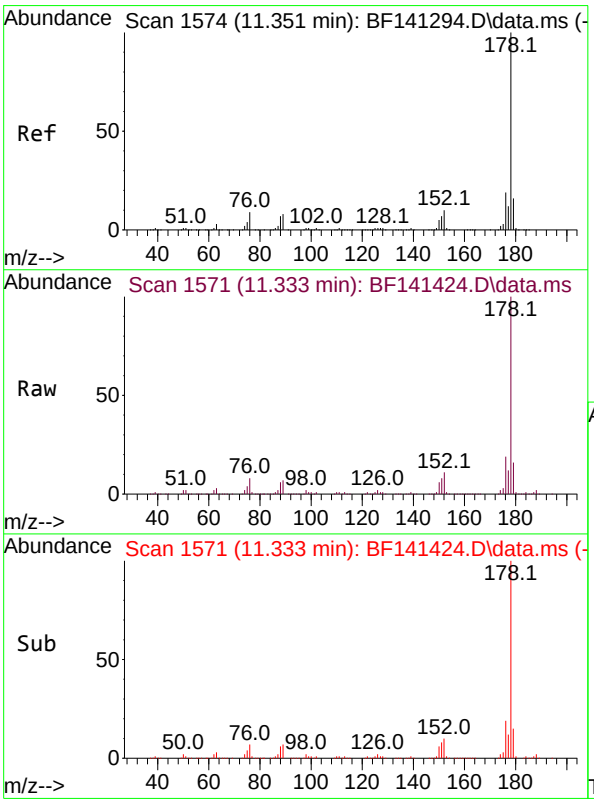
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:188 Resp: 272951

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.8	11.6
80	9.3	8.2	12.4

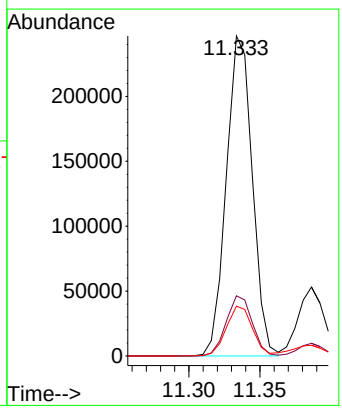


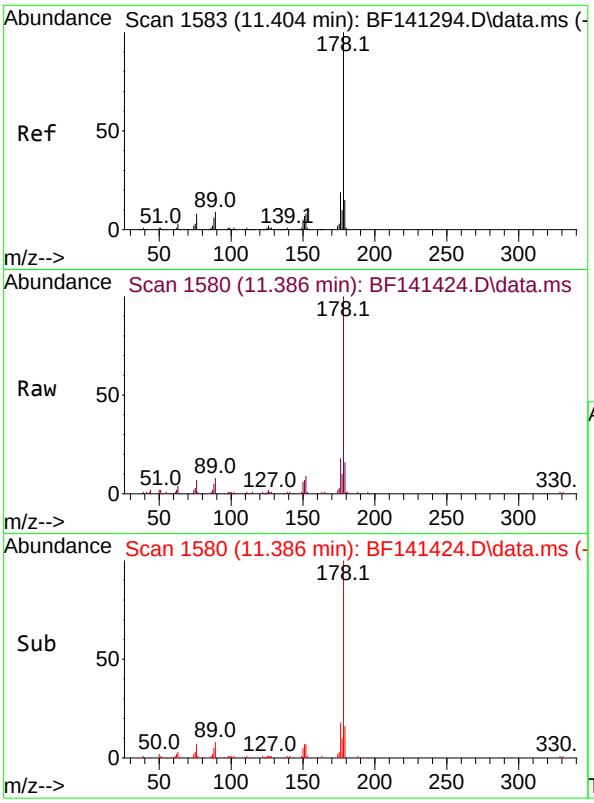


#71
Phenanthrene
Concen: 21.407 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:178 Resp: 314087

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.5	18.7



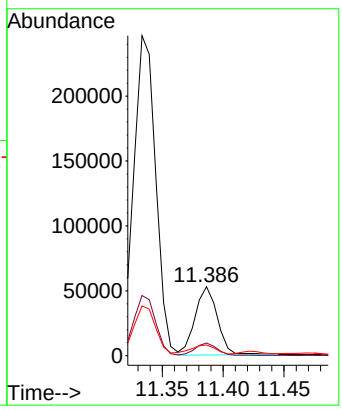


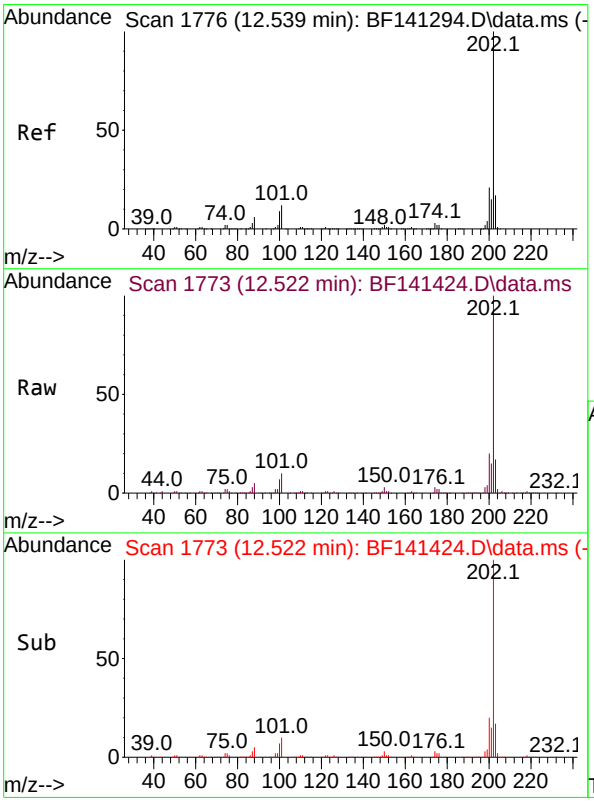
#72
Anthracene
Concen: 4.676 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:178 Resp: 67226

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	15.6	12.3	18.5

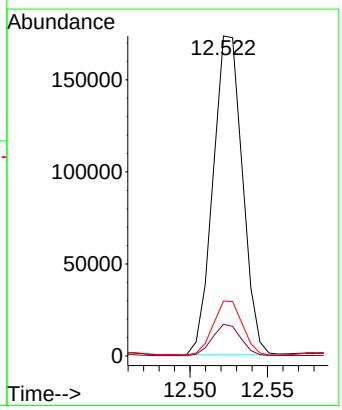


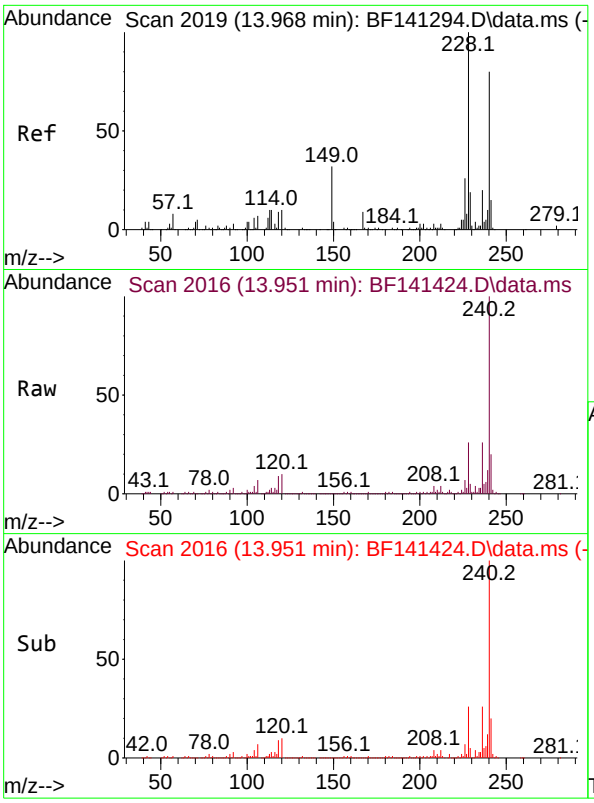


#75
Fluoranthene
Concen: 15.758 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 228292

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.7
203	17.1	0.0	37.5



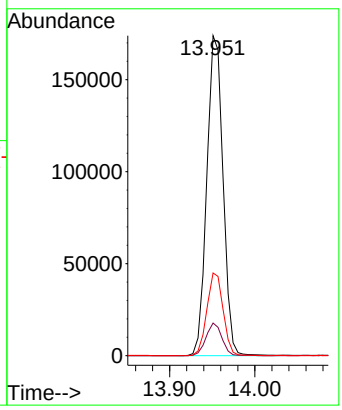


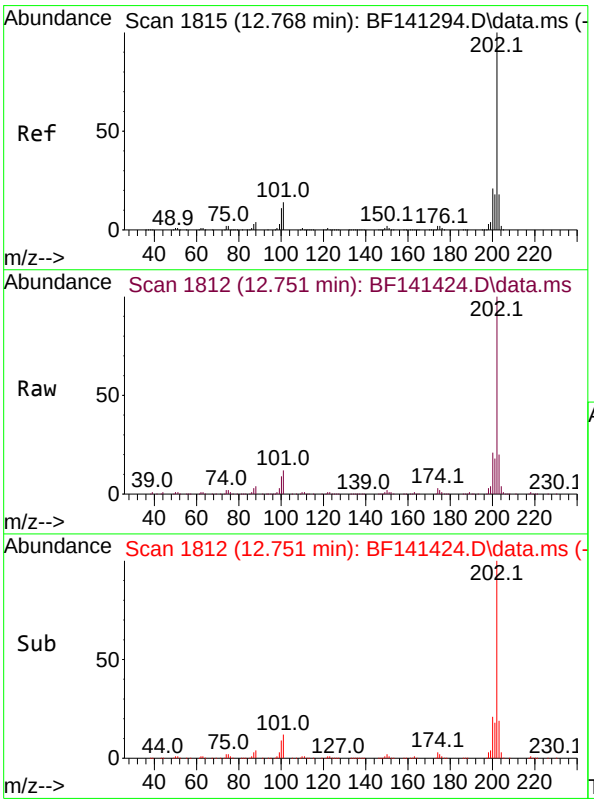
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:240 Resp: 230042

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.0	15.0
236	25.8	19.7	29.5

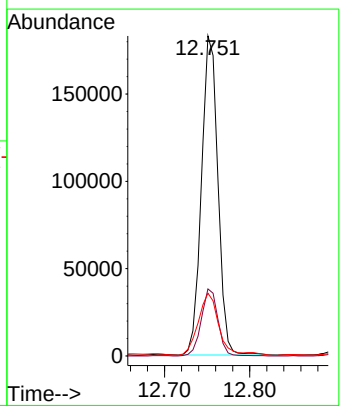


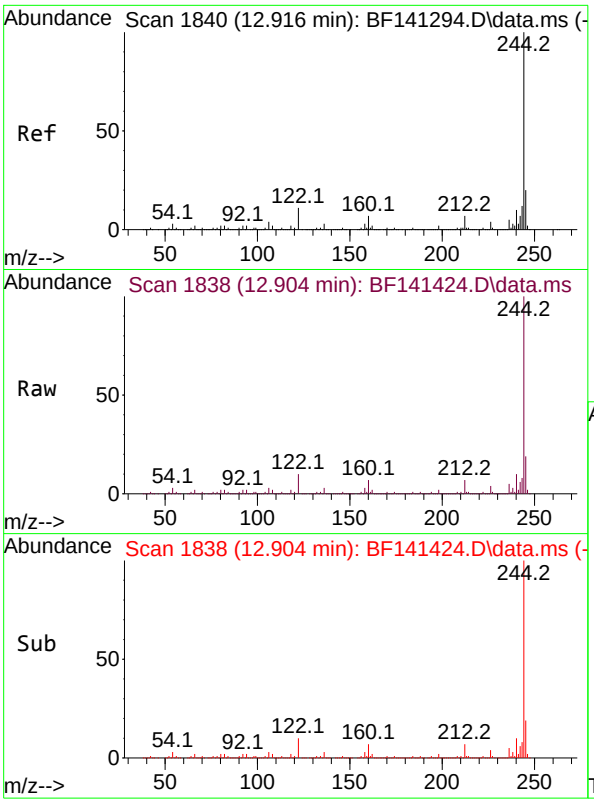


#78
Pyrene
Concen: 11.103 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 245180

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	19.6	14.3	21.5



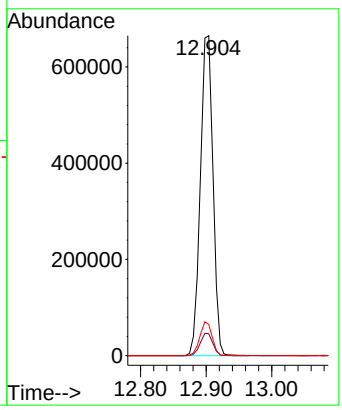


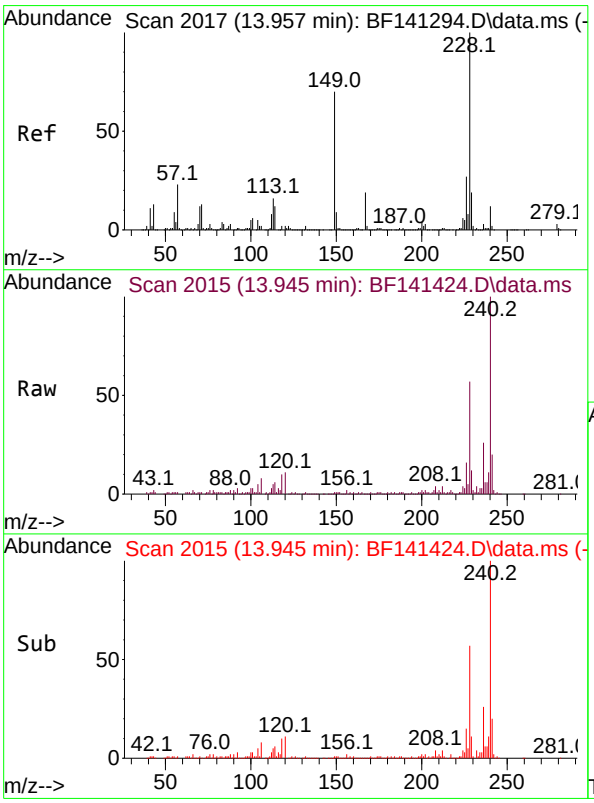
#79
Terphenyl-d14
Concen: 60.021 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:244 Resp: 895307

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.8	8.8	13.2

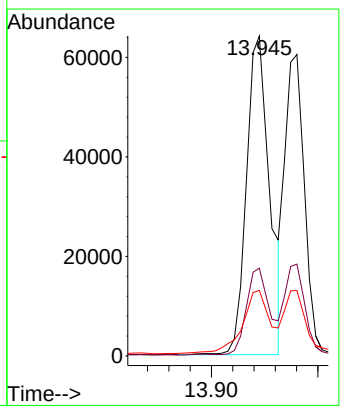


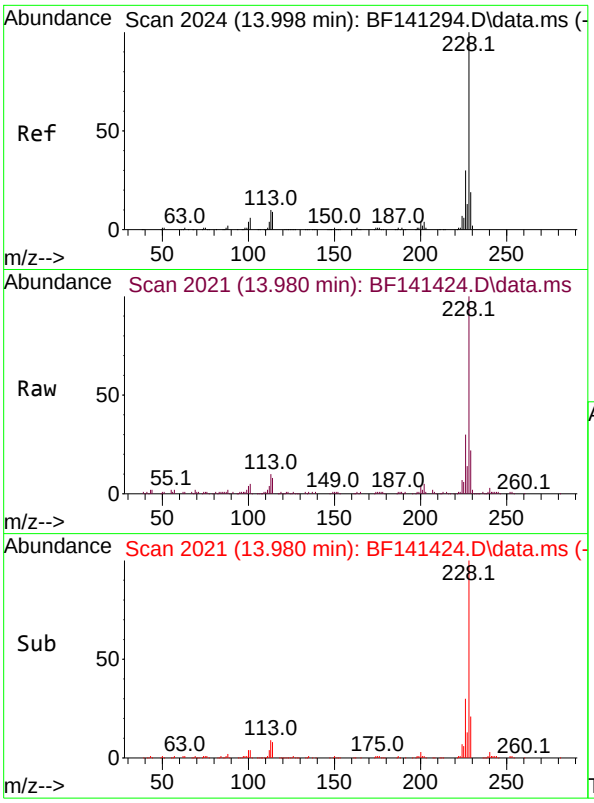


#81
Benzo(a)anthracene
Concen: 6.075 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:228 Resp: 96432

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.5	15.5	23.3



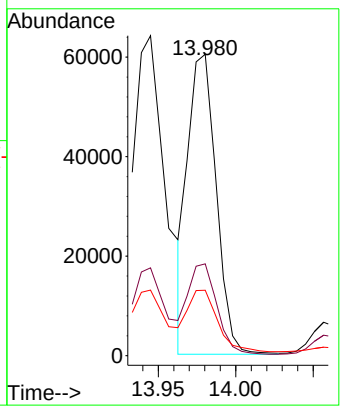


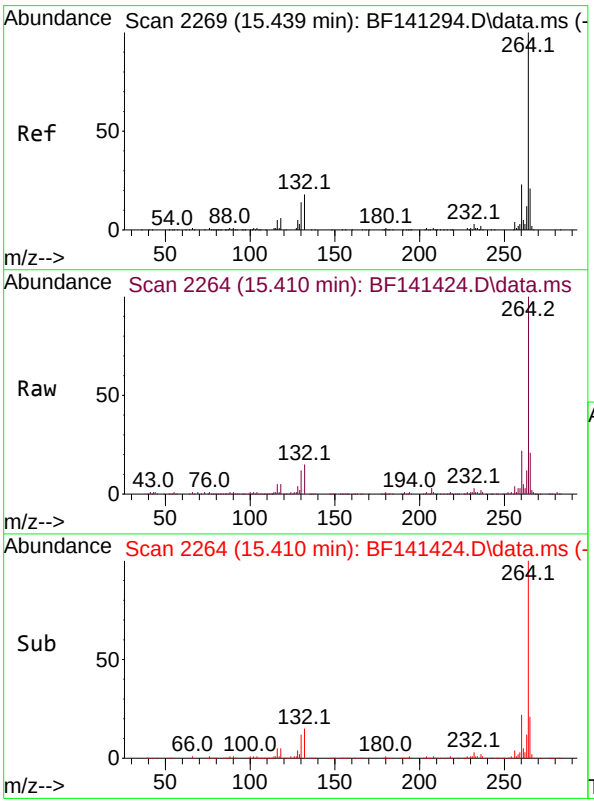
#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:228 Resp: 76948

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	21.7	15.6	23.4

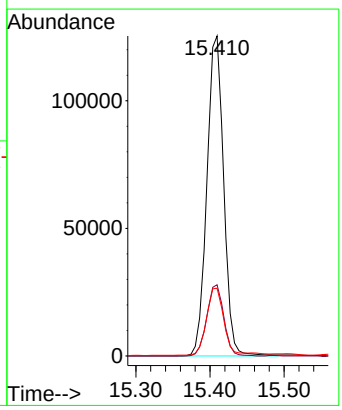


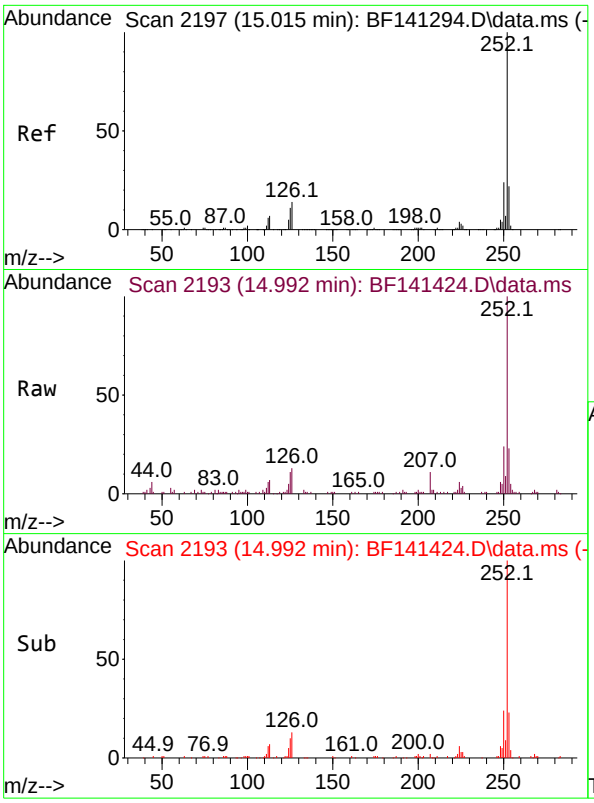


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:264 Resp: 197101

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.6	27.8
265	21.2	16.7	25.1



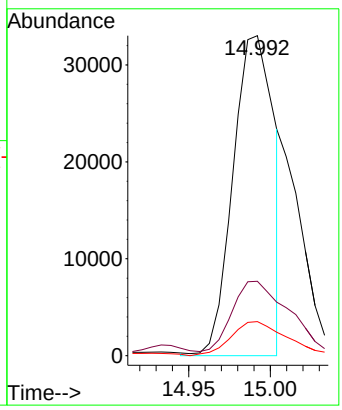


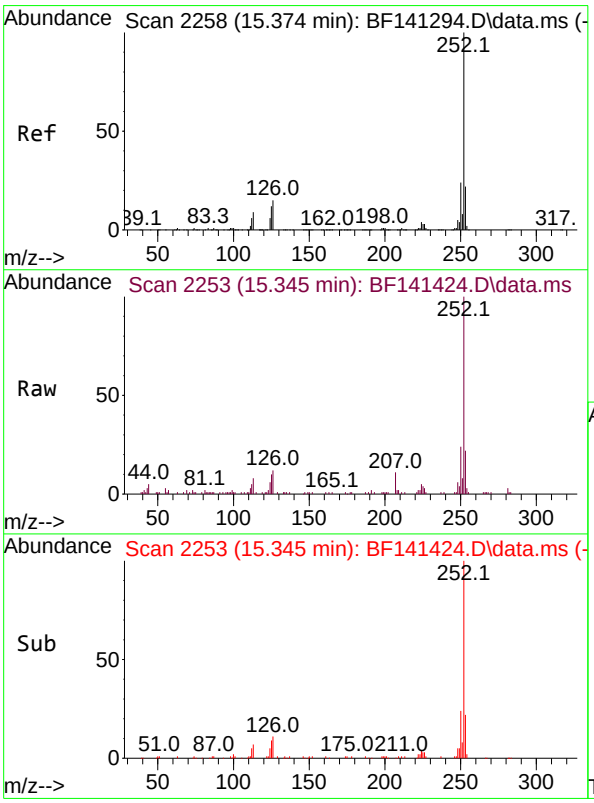
#88
Benzo(b)fluoranthene
Concen: 4.641 ng m
RT: 14.992 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:252 Resp: 57537

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	10.6	8.6	12.8

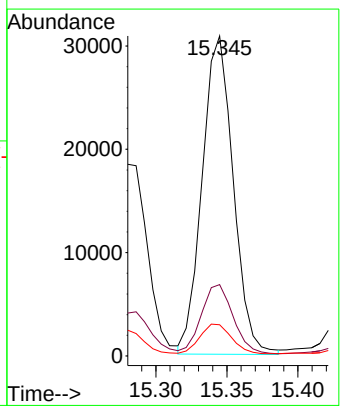


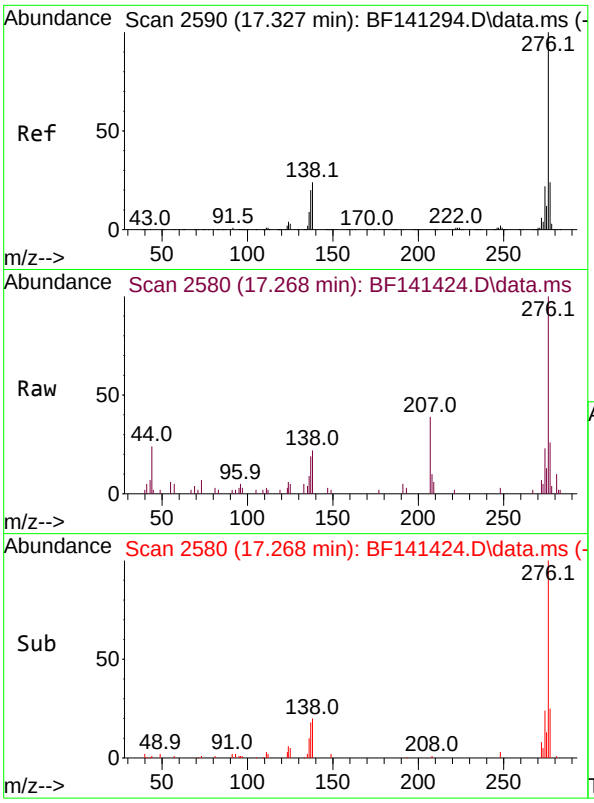


#90
Benzo(a)pyrene
Concen: 4.480 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.035 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:252 Resp: 46939

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.8	9.4	14.2



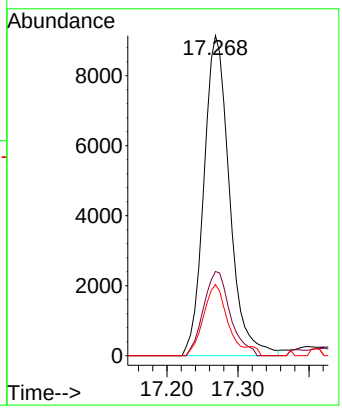


#92
Benzo(g,h,i)perylene
Concen: 2.150 ng
RT: 17.268 min Scan# 2
Delta R.T. -0.077 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:276 Resp: 22883

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.2	19.0	28.4



Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141424.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	20	rVB	44815	69880	2.84%	0.344%
2	4.993	489	493	501	rVB	23213	35934	1.46%	0.177%
3	5.410	558	564	583	rBV	1429840	1876836	76.21%	9.252%
4	6.428	731	737	756	rBV	1433484	1924788	78.16%	9.488%
5	6.787	793	798	803	rBV	358841	433180	17.59%	2.135%
6	7.351	887	894	899	rBV	928282	1241600	50.42%	6.120%
7	7.610	931	938	948	rVB	41091	58094	2.36%	0.286%
8	8.069	1011	1016	1035	rBV	467999	644940	26.19%	3.179%
9	8.781	1130	1137	1145	rVB	32754	40459	1.64%	0.199%
10	8.881	1149	1154	1159	rVB	24049	28778	1.17%	0.142%
11	9.145	1193	1199	1204	rBV	1739459	2188516	88.87%	10.788%
12	9.228	1209	1213	1221	rVB2	17899	30324	1.23%	0.149%
13	9.481	1249	1256	1259	rBV	21986	33039	1.34%	0.163%
14	9.822	1307	1314	1318	rBV	513705	679373	27.59%	3.349%
15	9.857	1318	1320	1324	rVB	63897	65821	2.67%	0.324%
16	10.028	1345	1349	1353	rBV	41712	52529	2.13%	0.259%
17	10.369	1403	1407	1412	rBV	73921	97959	3.98%	0.483%
18	10.433	1412	1418	1421	rBV	15462	31104	1.26%	0.153%
19	10.539	1431	1436	1441	rVB2	129549	168887	6.86%	0.833%
20	10.616	1443	1449	1461	rBV	972138	1294173	52.55%	6.380%
21	10.916	1494	1500	1503	rBV2	24285	41336	1.68%	0.204%
22	11.169	1538	1543	1547	rBV3	23406	40867	1.66%	0.201%
23	11.210	1547	1550	1557	rVB	32717	42475	1.72%	0.209%
24	11.310	1562	1567	1569	rBV	543381	718683	29.18%	3.543%
25	11.333	1569	1571	1576	rVV	593766	699846	28.42%	3.450%
26	11.386	1576	1580	1584	rVB	113514	141981	5.77%	0.700%
27	11.545	1601	1607	1615	rBV	25027	40746	1.65%	0.201%
28	11.816	1648	1653	1655	rBV	94190	136099	5.53%	0.671%
29	11.839	1655	1657	1662	rVV	122182	143676	5.83%	0.708%
30	11.886	1662	1665	1668	rVV	40703	54564	2.22%	0.269%
31	11.927	1668	1672	1681	rVB2	134034	278648	11.32%	1.374%
32	12.110	1695	1703	1712	rBV2	58964	126138	5.12%	0.622%
33	12.257	1722	1728	1731	rBV	29308	44050	1.79%	0.217%
34	12.363	1741	1746	1749	rBV	54315	77765	3.16%	0.383%
35	12.398	1749	1752	1758	rVV2	39455	75958	3.08%	0.374%
36	12.451	1758	1761	1768	rVB3	28717	44961	1.83%	0.222%

Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.522	1768	1773	1778	rBV	396626	525642	21.34%	2.591%
38	12.751	1802	1812	1818	rBV	419128	646153	26.24%	3.185%
39	12.804	1818	1821	1826	rVB3	36162	52713	2.14%	0.260%
40	12.898	1827	1837	1845	rBV	1788857	2462607	100.00%	12.139%
41	12.974	1845	1850	1857	rBV2	36700	65029	2.64%	0.321%
42	13.080	1861	1868	1872	rVB	70429	134129	5.45%	0.661%
43	13.151	1872	1880	1883	rBV	56535	92414	3.75%	0.456%
44	13.186	1883	1886	1889	rBV	42160	47077	1.91%	0.232%
45	13.280	1898	1902	1904	rBV2	26789	33744	1.37%	0.166%
46	13.310	1904	1907	1912	rVB2	33794	40640	1.65%	0.200%
47	13.439	1925	1929	1933	rBV	68893	95157	3.86%	0.469%
48	13.704	1968	1974	1976	rBV3	24869	44552	1.81%	0.220%
49	13.951	2009	2016	2028	rVB2	593709	1108295	45.00%	5.463%
50	14.057	2031	2034	2041	rVB	22724	29545	1.20%	0.146%
51	14.339	2079	2082	2086	rBV	28958	38292	1.55%	0.189%
52	14.433	2093	2098	2102	rBV3	31215	49738	2.02%	0.245%
53	14.733	2145	2149	2158	rVB4	19073	38984	1.58%	0.192%
54	14.986	2187	2192	2201	rBV	87540	205729	8.35%	1.014%
55	15.280	2238	2242	2248	rVB	45538	69611	2.83%	0.343%
56	15.345	2248	2253	2258	rVV	74363	113072	4.59%	0.557%
57	15.410	2258	2264	2276	rVB	327051	561206	22.79%	2.766%
58	16.833	2501	2506	2515	rVB2	26329	63458	2.58%	0.313%
59	17.268	2574	2580	2595	rVB	24484	64241	2.61%	0.317%

Sum of corrected areas: 20286035

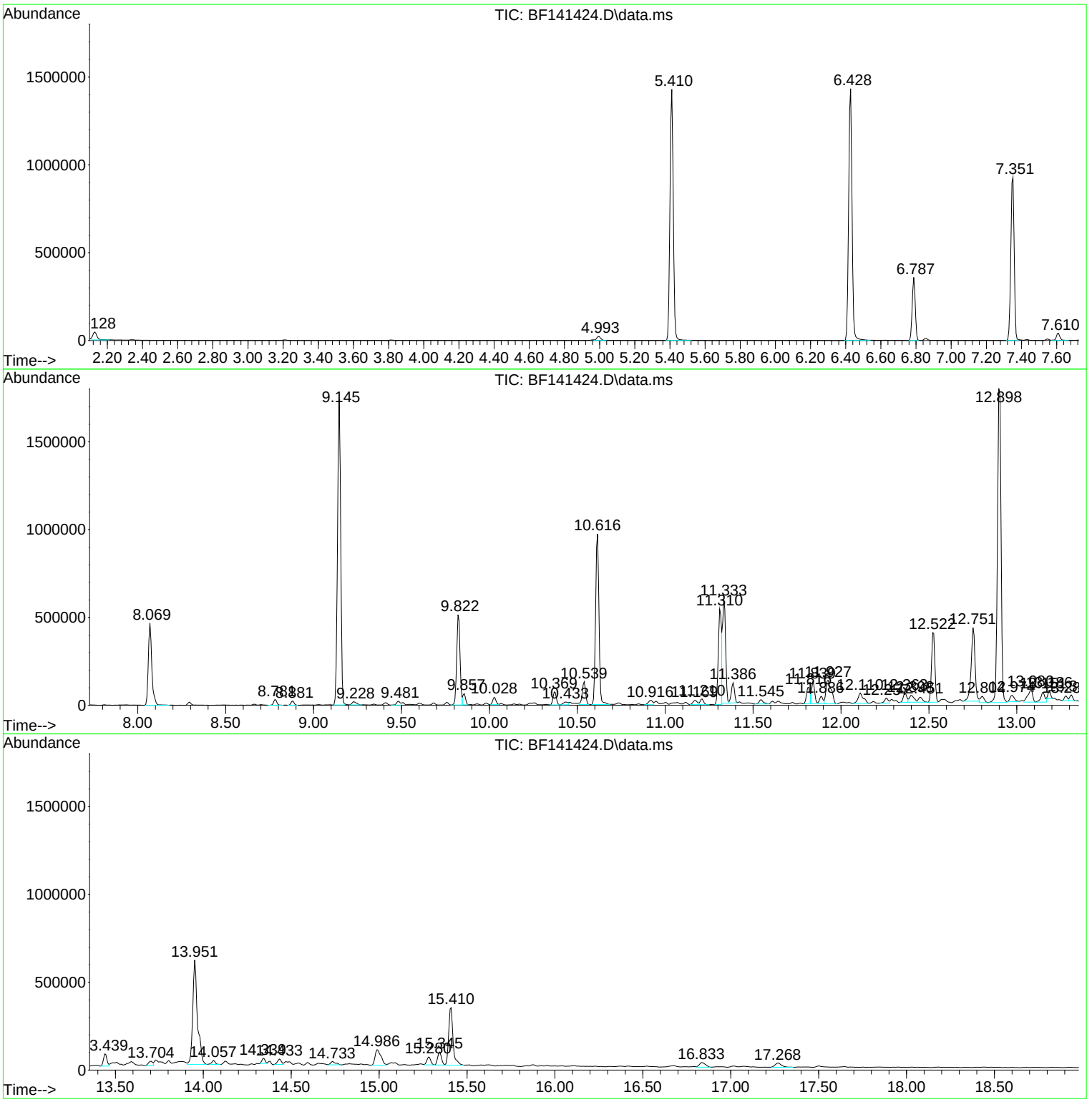
Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

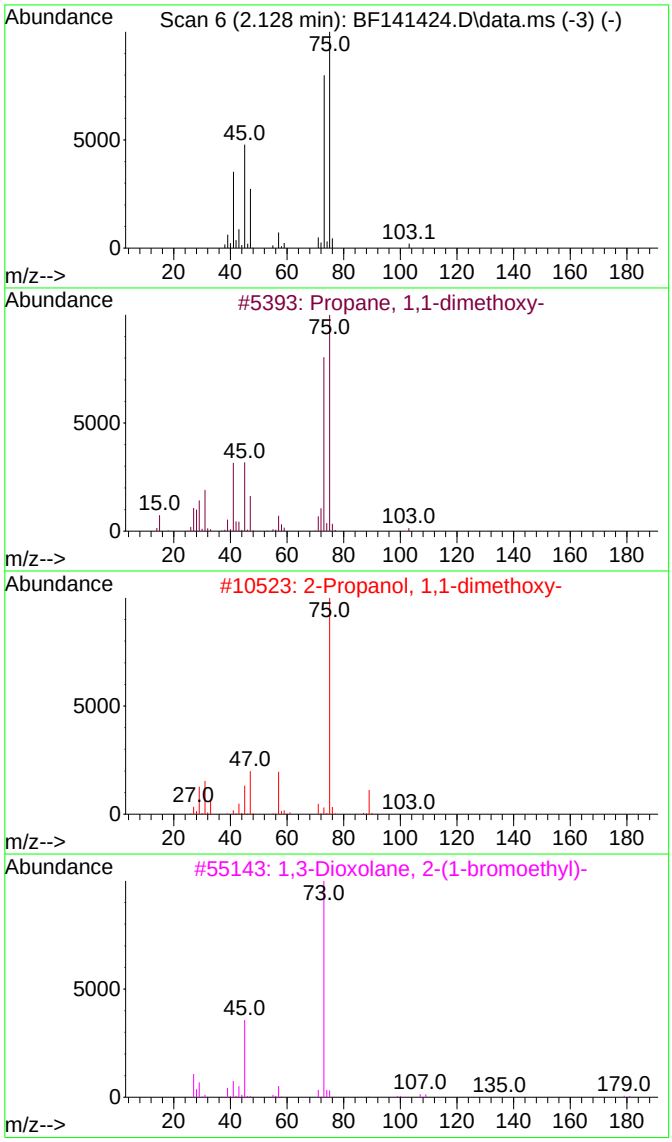
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

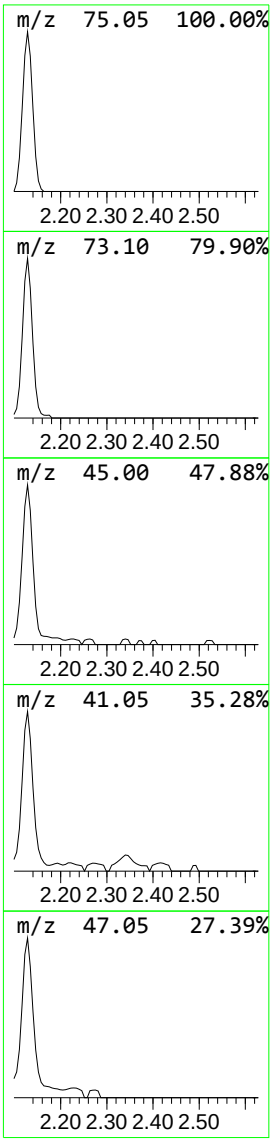
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	3.23 ng	69880	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	42
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	22
4	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	10
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9





Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

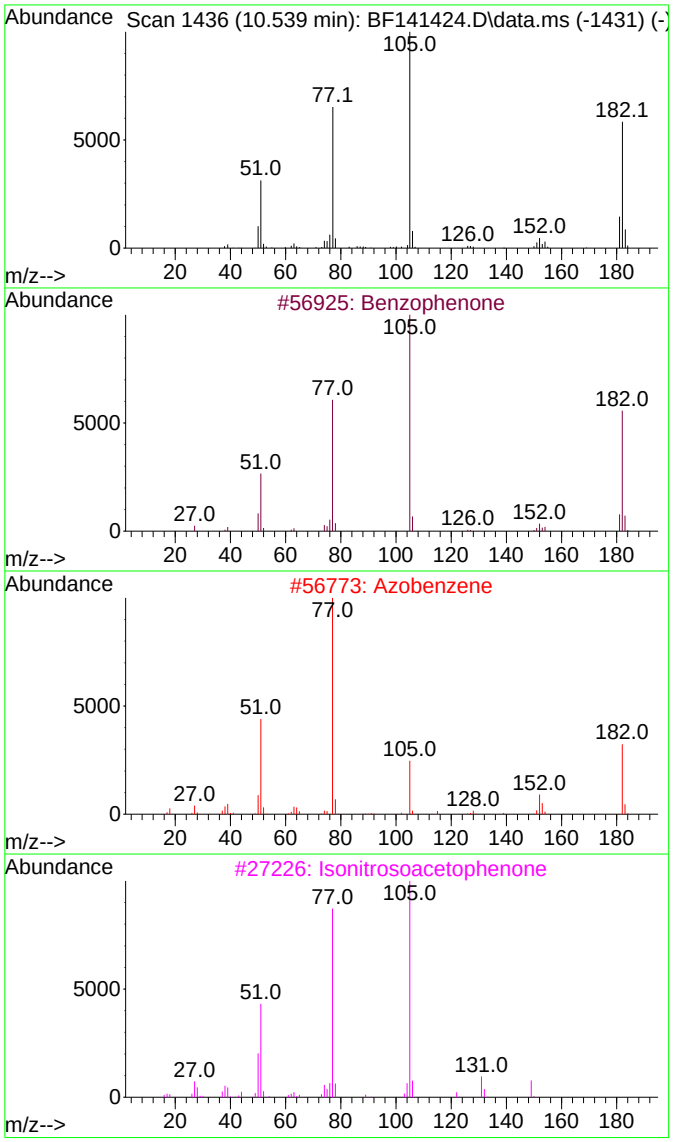
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

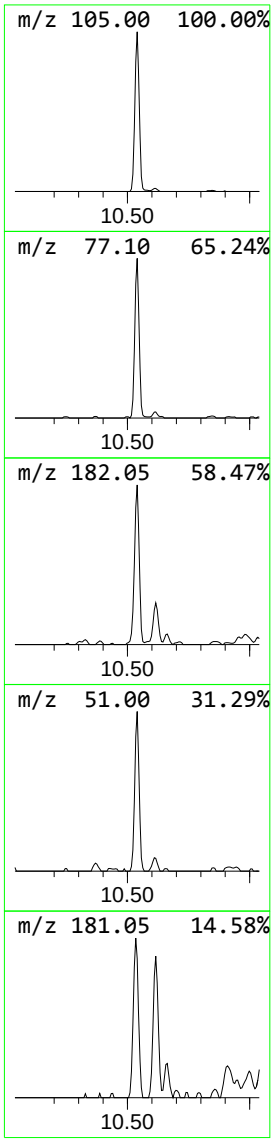
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	4.97 ng	168887	Acenaphthene-d10	9.822

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	Isonitrosoacetophenone	149	C8H7NO2	000532-54-7	47
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

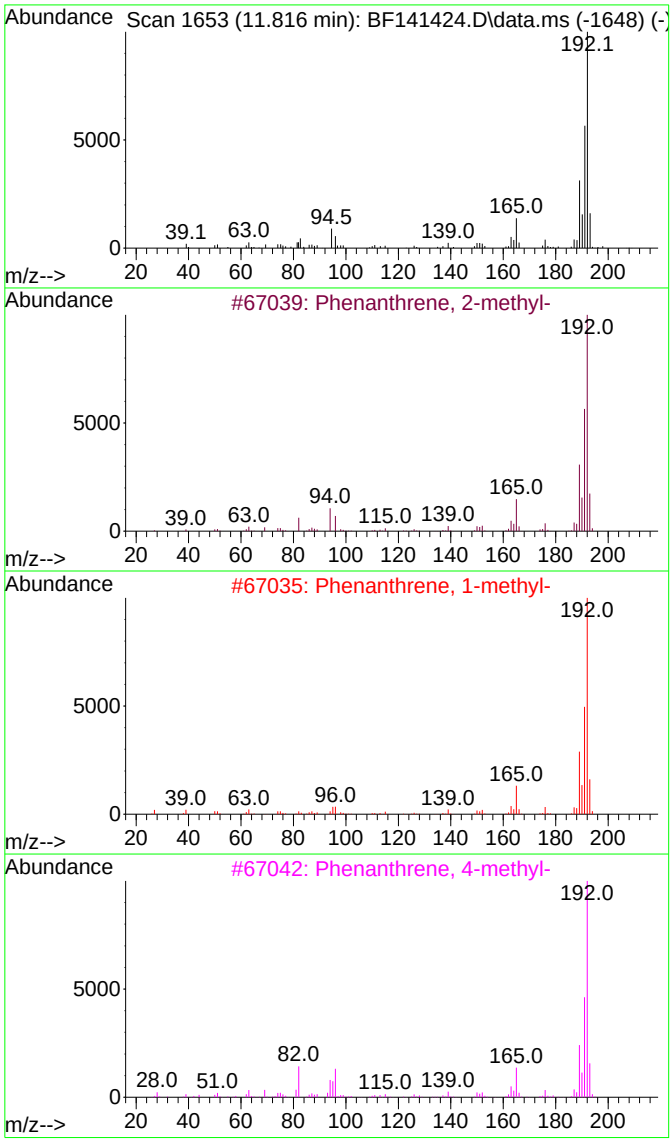
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

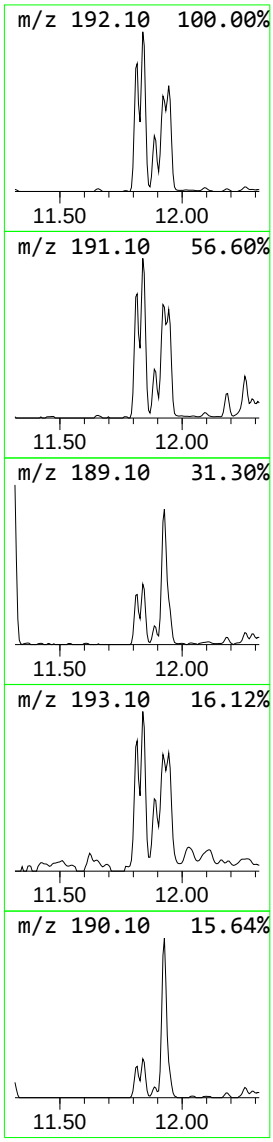
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.79 ng	136099	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

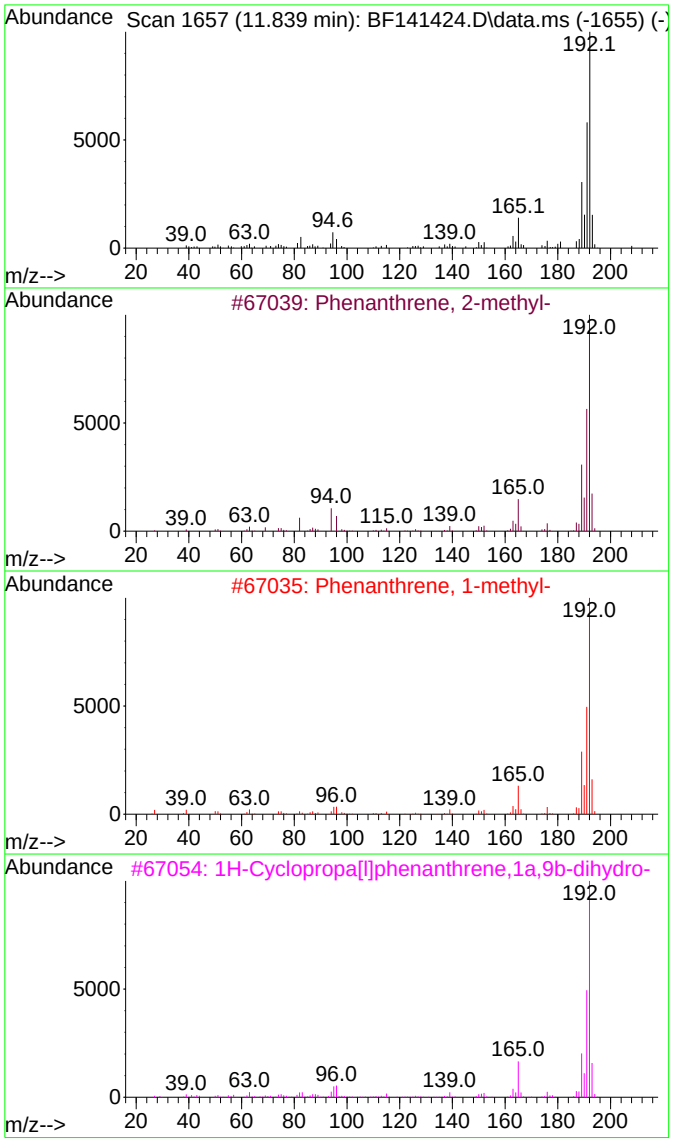
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TIC Integration Parameters: LSCINT.P

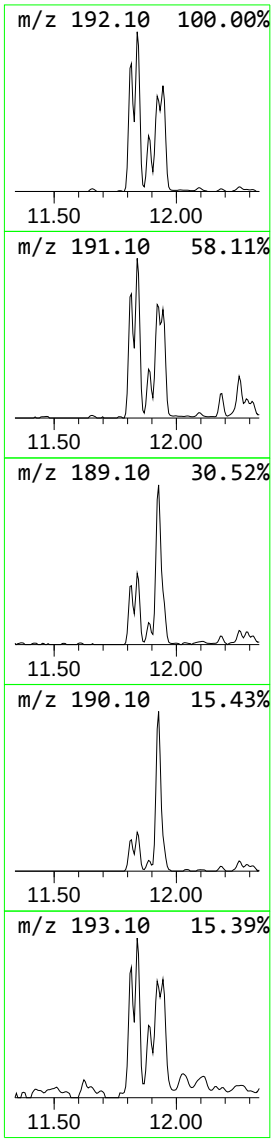
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Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	4.00 ng	143676	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

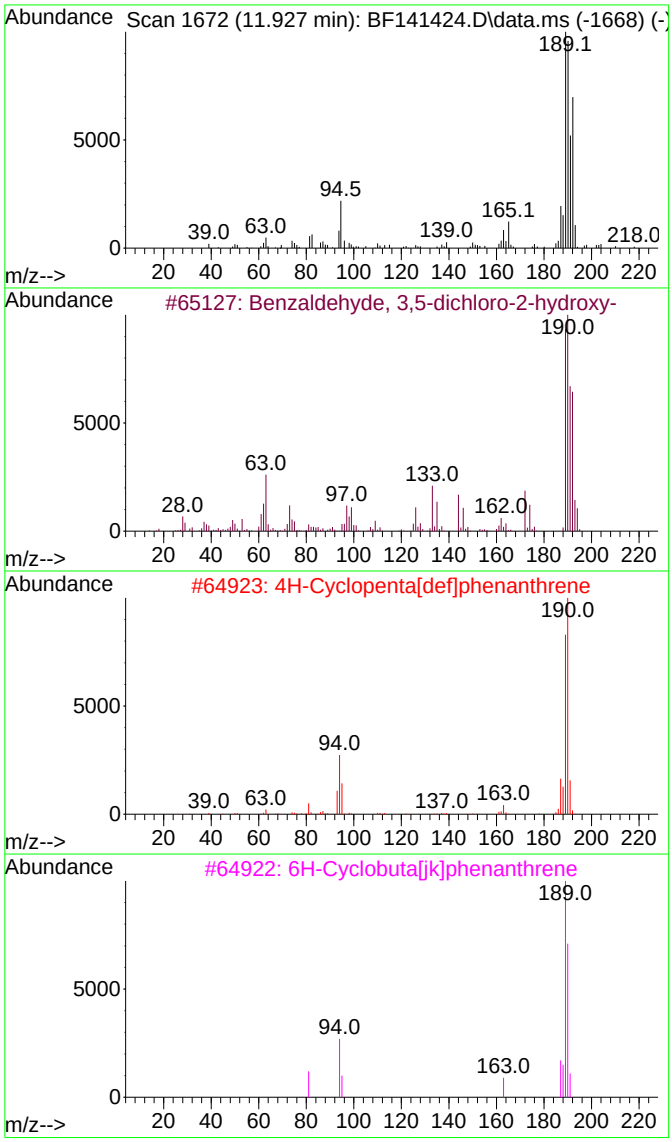
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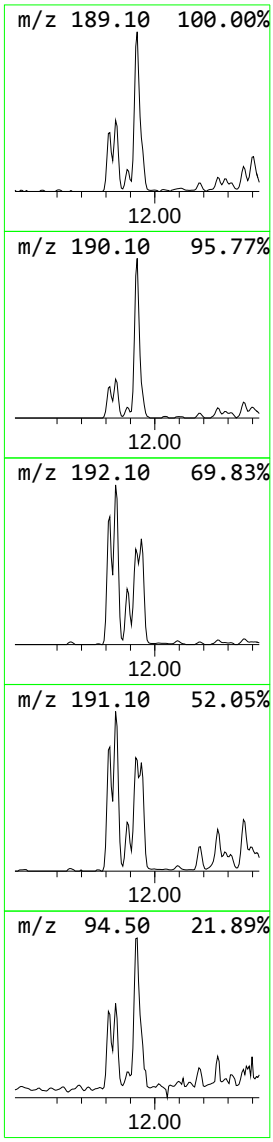
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	7.75 ng	278648	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

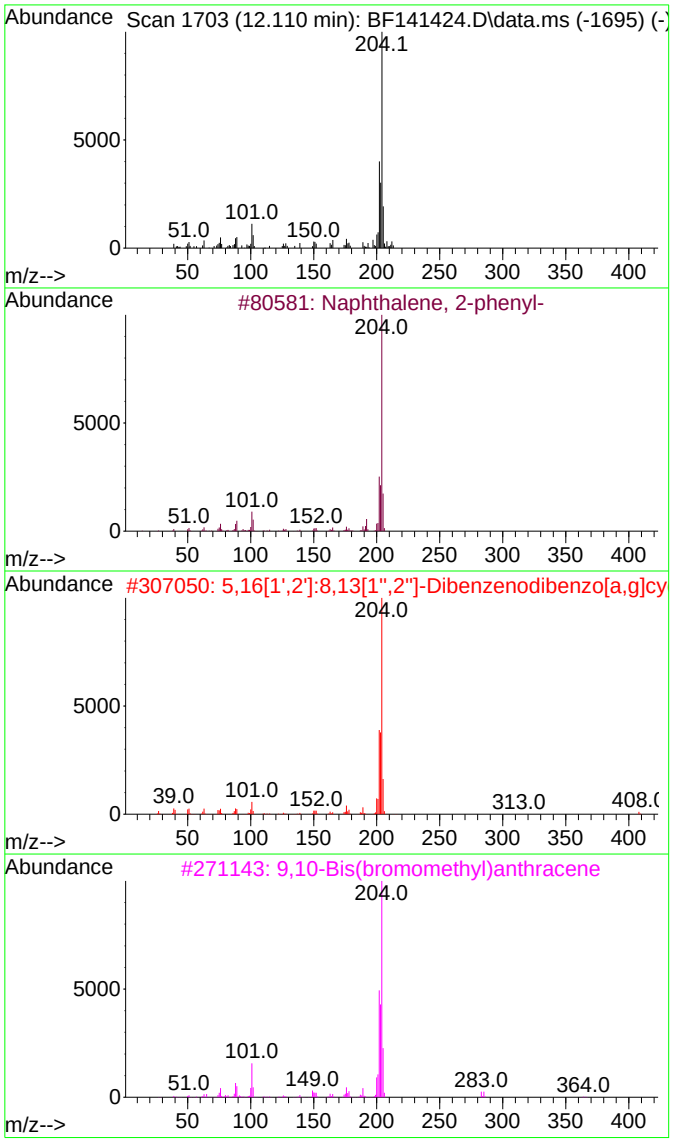
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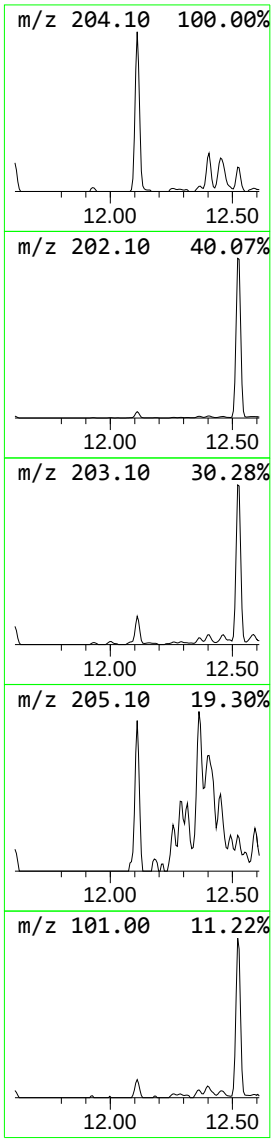
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Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	3.51 ng	126138	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

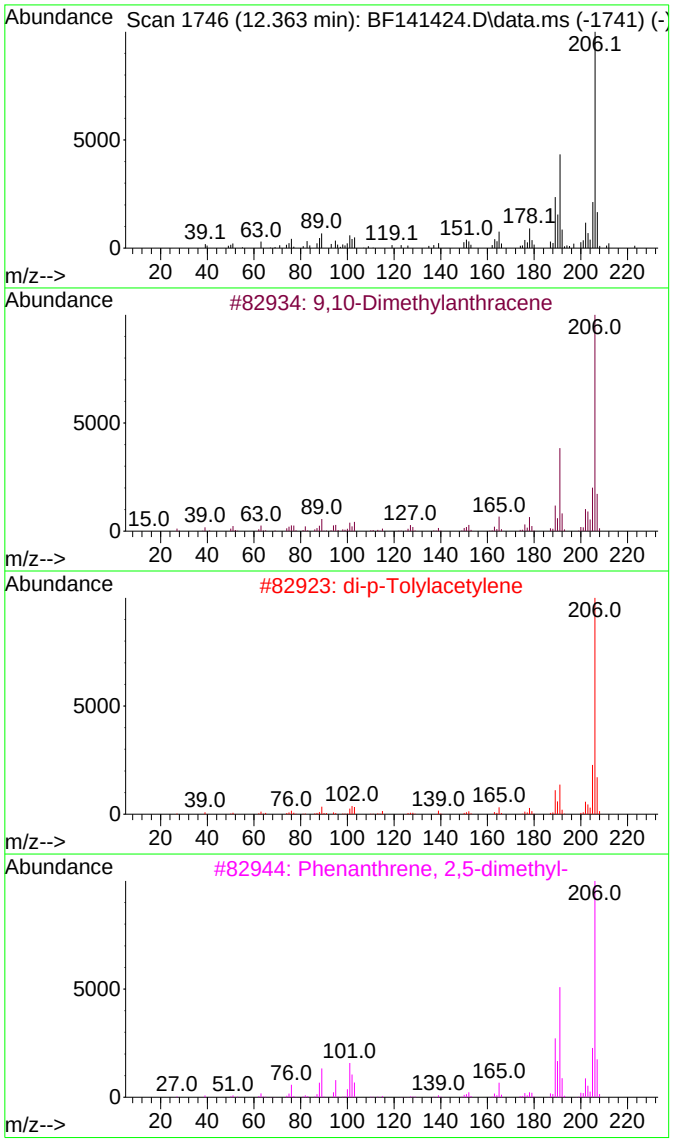
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TIC Integration Parameters: LSCINT.P

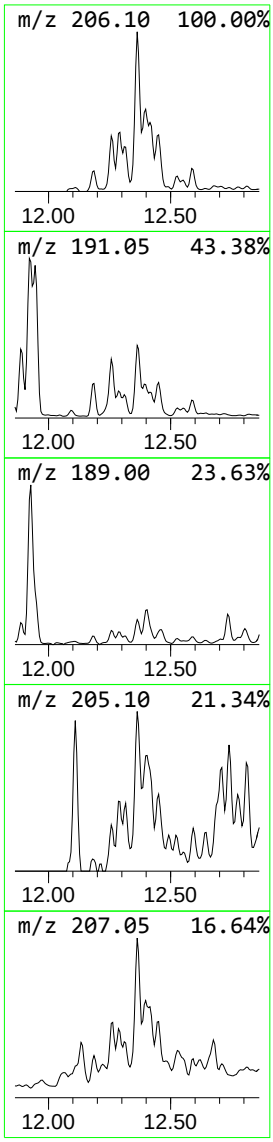
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Peak Number 7 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.16 ng	77765	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

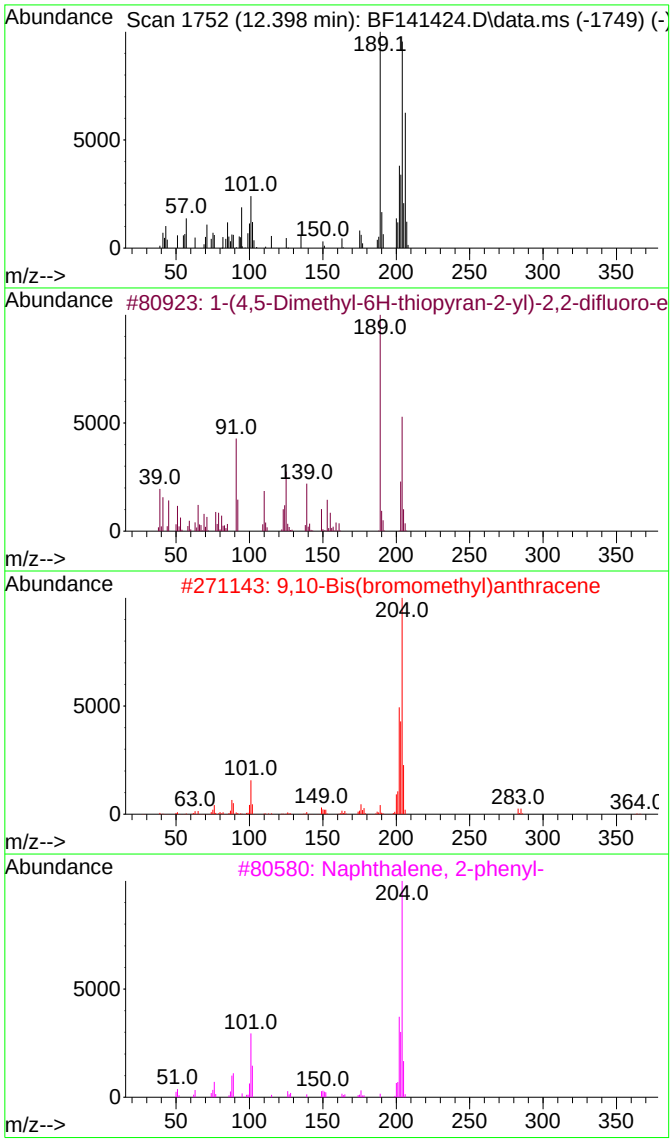
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TIC Integration Parameters: LSCINT.P

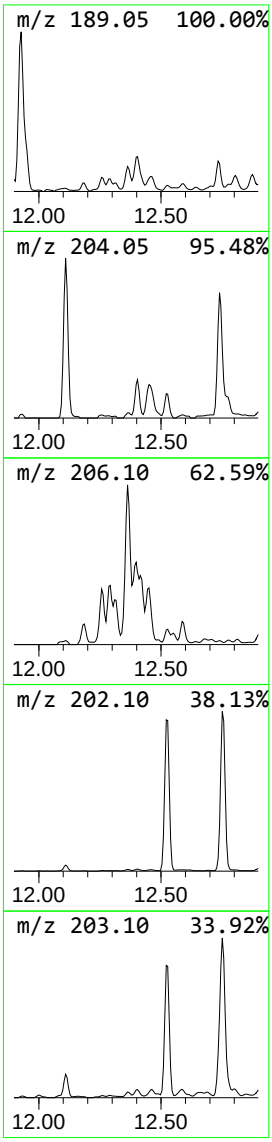
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Peak Number 8 unknown12.398 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	2.11 ng	75958	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	49
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	46
5	3,4-Dihydrocoumarin, 4,4-dimethy...	204	C13H16O2	029423-74-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

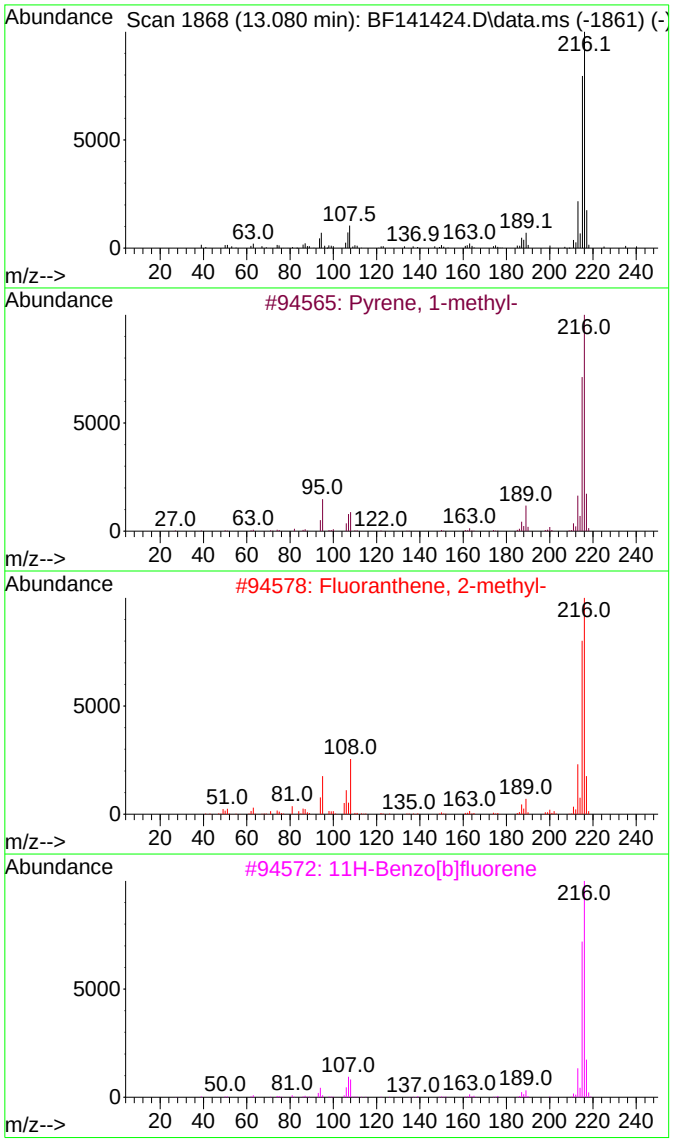
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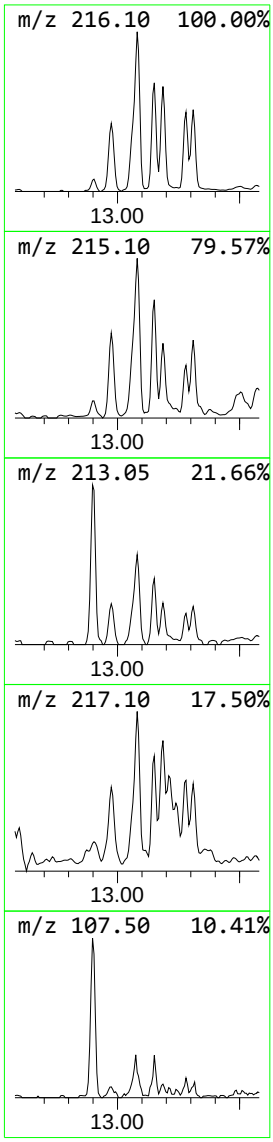
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Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	2.42 ng	134129	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

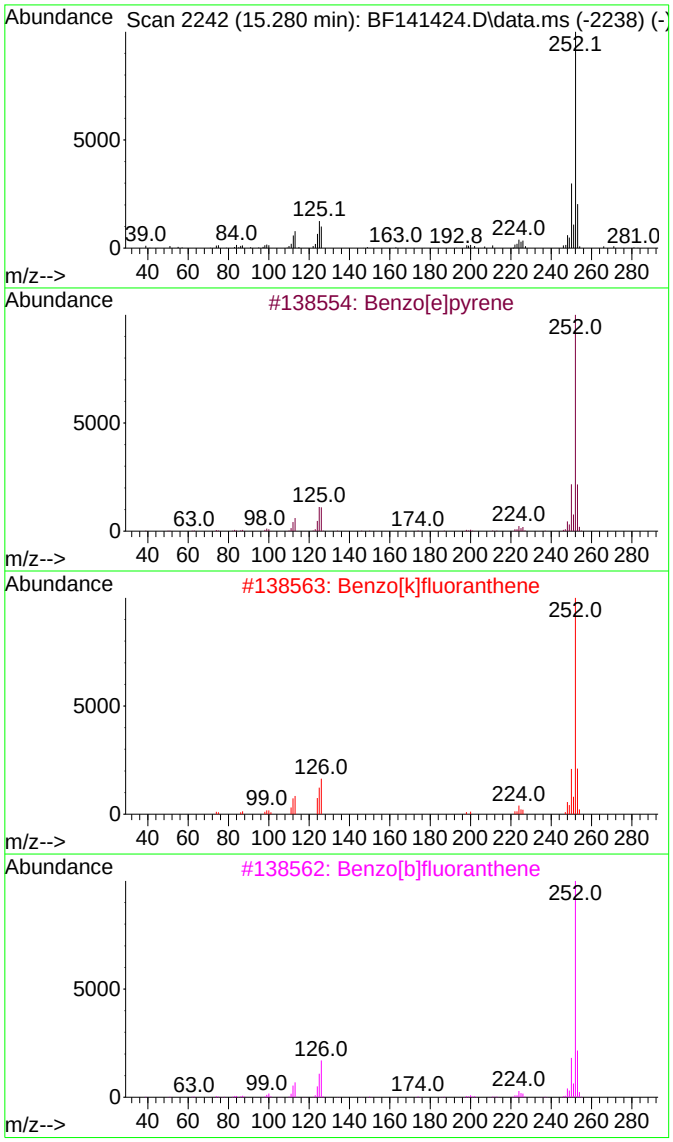
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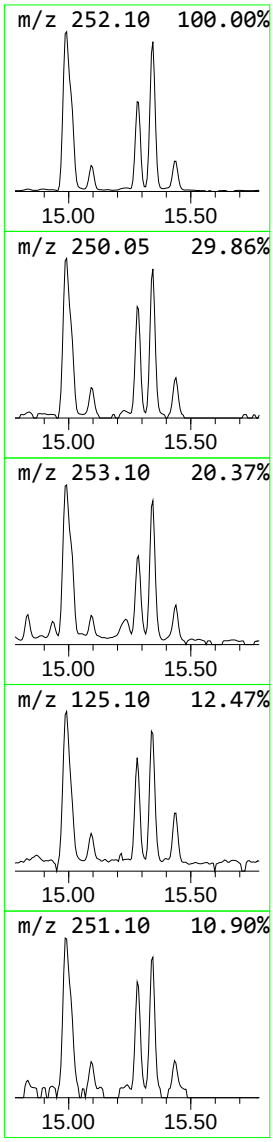
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Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	2.48 ng	69611	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

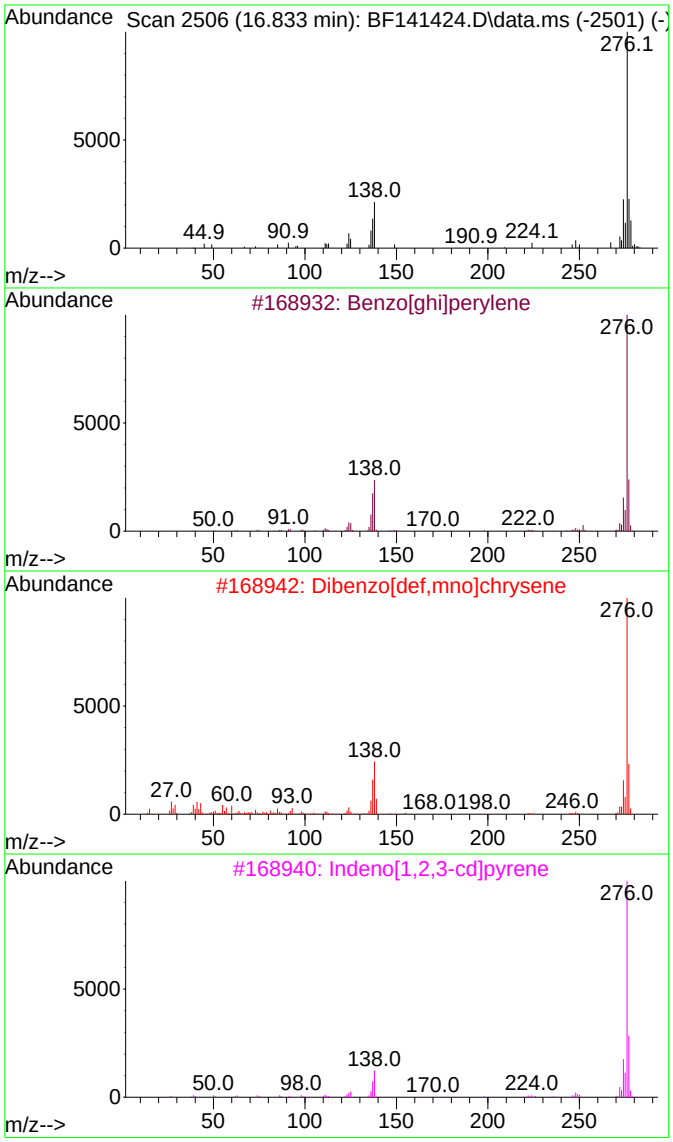
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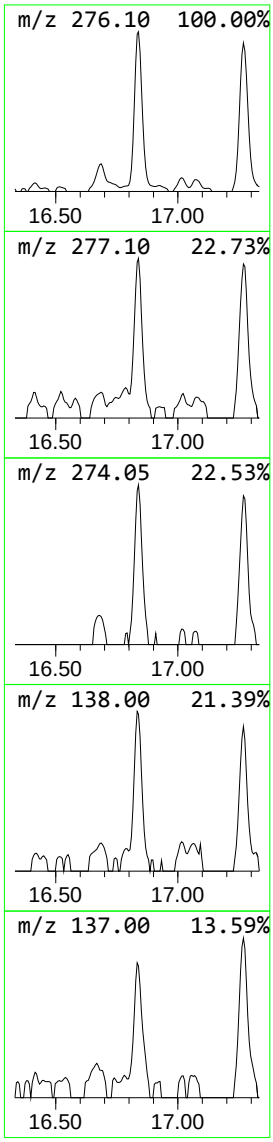
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Peak Number 11 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	2.26 ng	63458	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5	acetonitrile, 2-(3,4-diphenyl-2(...	276	C17H12N2S	1000397-07-9	50





Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.128	3.2	ng	69880	1	6.787	433180	20.0
Benzophenone	10.539	5.0	ng	168887	3	9.822	679373	20.0
Phenanthrene, 2...	11.816	3.8	ng	136099	4	11.310	718683	20.0
Phenanthrene, 1...	11.839	4.0	ng	143676	4	11.310	718683	20.0
Benzaldehyde, 3...	11.928	7.8	ng	278648	4	11.310	718683	20.0
Naphthalene, 2-...	12.110	3.5	ng	126138	4	11.310	718683	20.0
9,10-Dimethylan...	12.363	2.2	ng	77765	4	11.310	718683	20.0
unknown12.398	12.398	2.1	ng	75958	4	11.310	718683	20.0
Pyrene, 1-methyl-	13.080	2.4	ng	134129	5	13.951	1108300	20.0
Benzo[e]pyrene	15.280	2.5	ng	69611	6	15.410	561206	20.0
Dibenzo[def,mno...	16.833	2.3	ng	63458	6	15.410	561206	20.0

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	280	UQ	280	510	ug/Kg
108-95-2	Phenol	130	U	130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	260	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	260	ug/Kg
95-48-7	2-Methylphenol	120	U	120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	260	ug/Kg
98-86-2	Acetophenone	130	U	130	260	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.2	U	62.2	120	ug/Kg
67-72-1	Hexachloroethane	130	U	130	260	ug/Kg
98-95-3	Nitrobenzene	140	U	140	260	ug/Kg
78-59-1	Isophorone	130	U	130	260	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	260	ug/Kg
91-20-3	Naphthalene	130	U	130	260	ug/Kg
106-47-8	4-Chloroaniline	130	UQ	130	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	260	ug/Kg
105-60-2	Caprolactam	130	U	130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	260	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	UQ	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	260	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	260	ug/Kg

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	260	ug/Kg
99-09-2	3-Nitroaniline	140	UQ	140	260	ug/Kg
83-32-9	Acenaphthene	130	U	130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	370	510	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	510	ug/Kg
132-64-9	Dibenzofuran	130	U	130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	260	ug/Kg
84-66-2	Diethylphthalate	120	U	120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	260	ug/Kg
86-73-7	Fluorene	130	U	130	260	ug/Kg
100-01-6	4-Nitroaniline	170	U	170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	260	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	260	ug/Kg
1912-24-9	Atrazine	140	U	140	260	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	510	ug/Kg
85-01-8	Phenanthrene	130	U	130	260	ug/Kg
120-12-7	Anthracene	130	U	130	260	ug/Kg
86-74-8	Carbazole	120	U	120	260	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	260	ug/Kg
206-44-0	Fluoranthene	130	U	130	260	ug/Kg
129-00-0	Pyrene	130	U	130	260	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	UQ	150	510	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	260	ug/Kg
218-01-9	Chrysene	120	U	120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	260	ug/Kg

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	260	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	260	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.9		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		30 (20) - 130 (109)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	56.4		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	307000	9.833			
1517-22-2	Phenanthrene-d10	457000	11.321			
1719-03-5	Chrysene-d12	306000	13.962			
1520-96-3	Perylene-d12	277000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	160	JB		2.16	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J		11.9	ug/Kg
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	280	J		13.5	ug/Kg

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

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\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

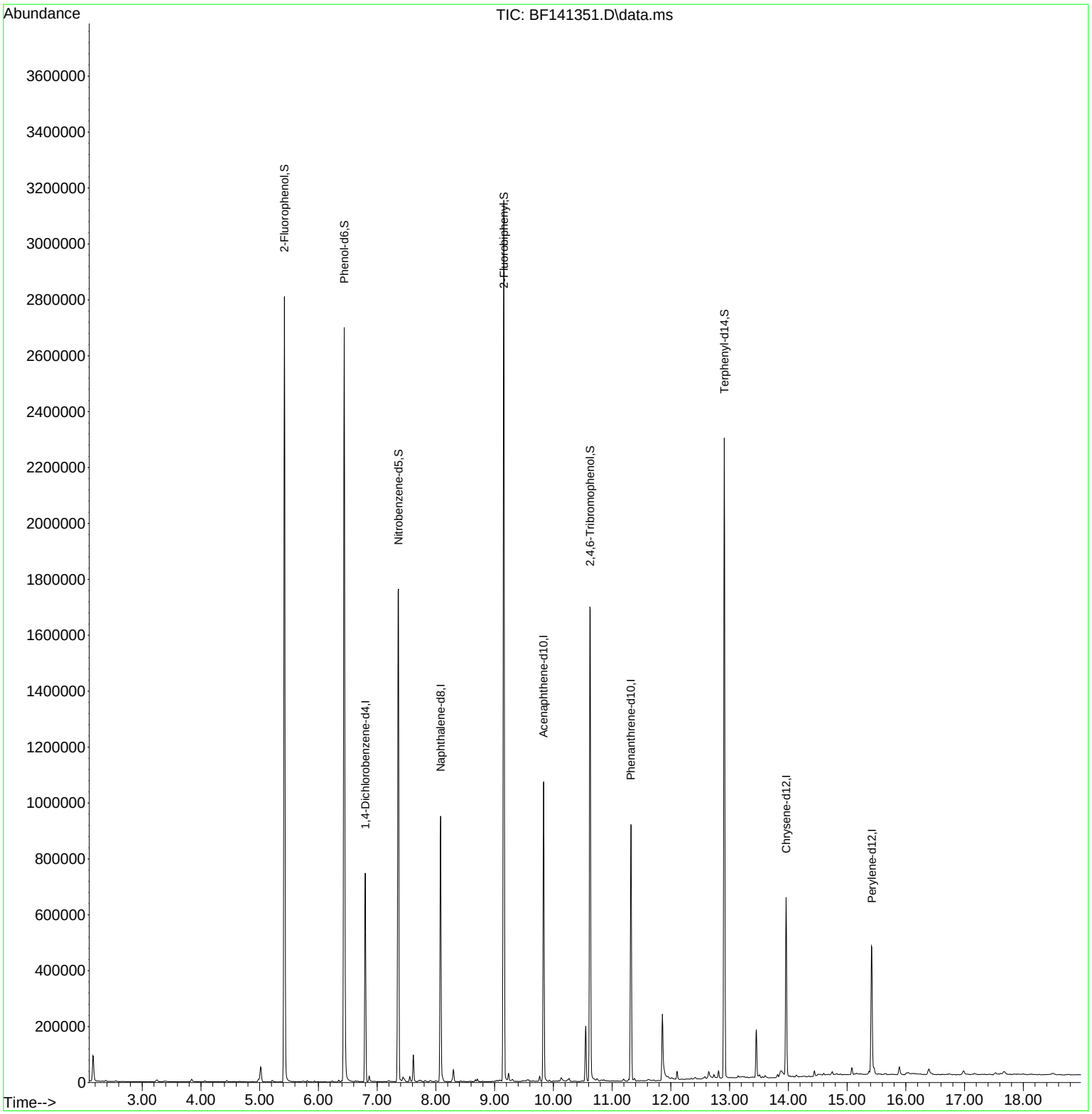
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	147849	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	589893	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	306711	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	457334	20.000	ng	0.00
76) Chrysene-d12	13.962	240	306408	20.000	ng	-0.01
86) Perylene-d12	15.421	264	276735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1036855	107.663	ng	0.01
7) Phenol-d6	6.439	99	1275689	104.126	ng	0.00
23) Nitrobenzene-d5	7.363	82	816085	72.930	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	286008	101.716	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1373369	68.921	ng	0.00
79) Terphenyl-d14	12.910	244	1120159	56.379	ng	0.00
Target Compounds						Qvalue

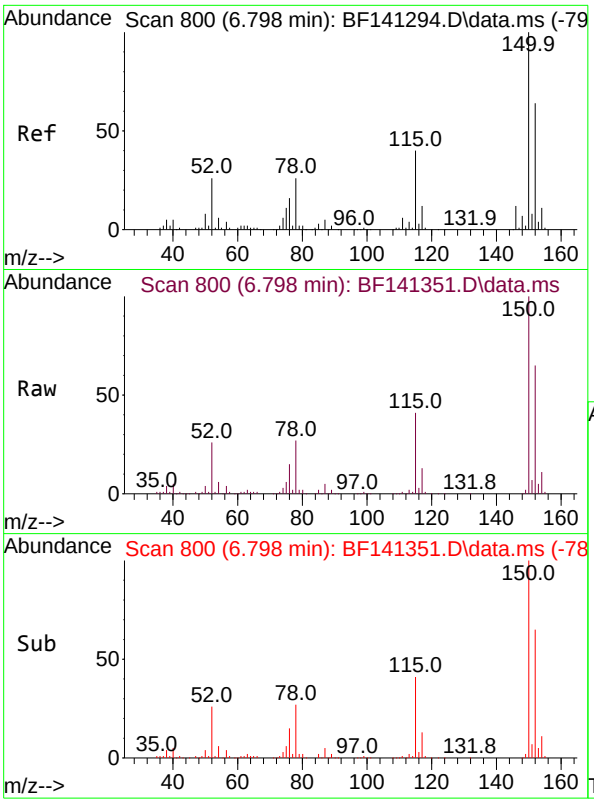
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



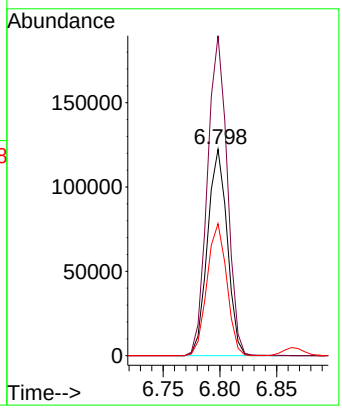


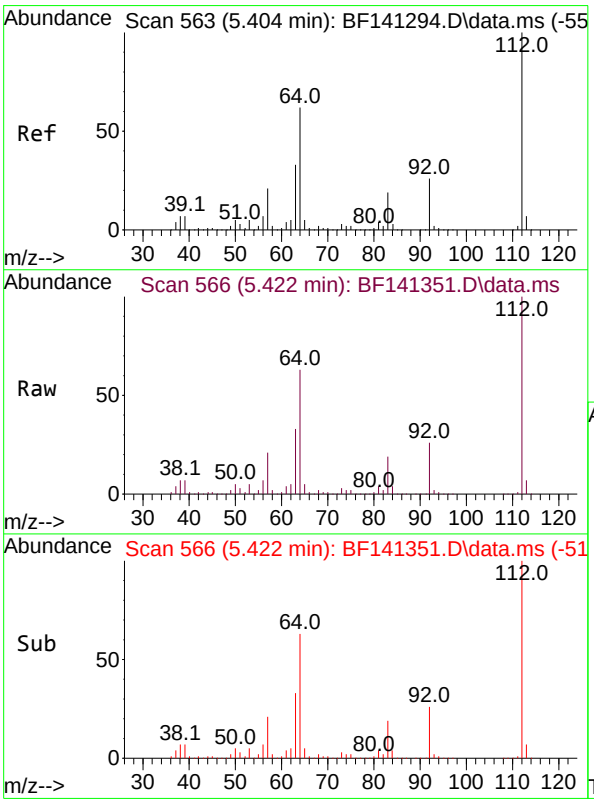
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:152 Resp: 147849

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	63.9	49.7	74.5

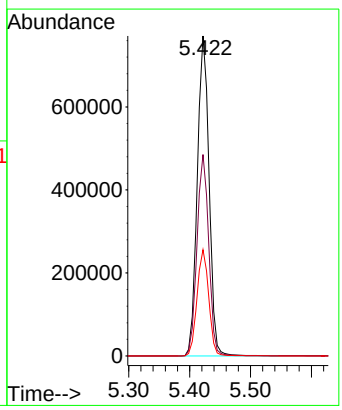


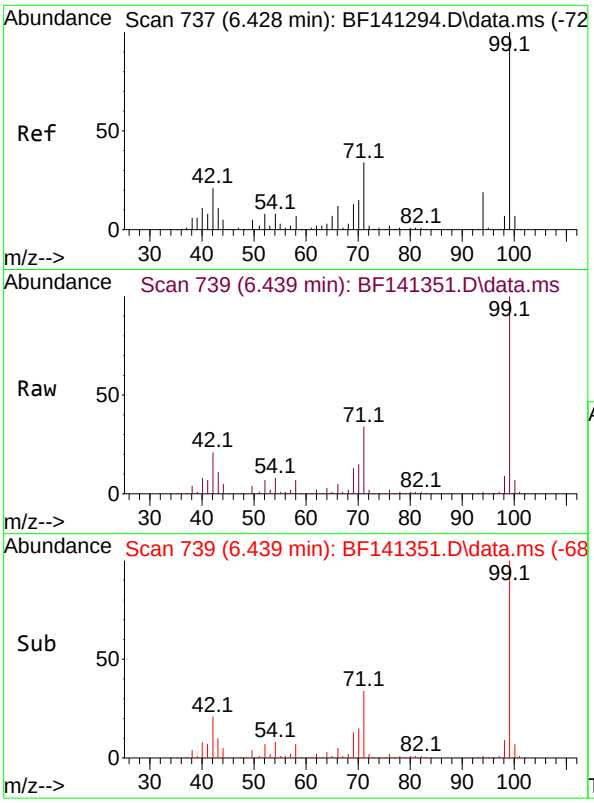


#5
2-Fluorophenol
Concen: 107.663 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:112 Resp: 1036855

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.2	26.1	39.1



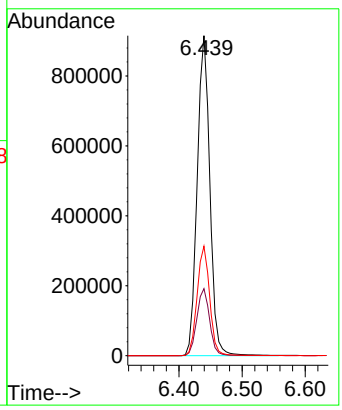


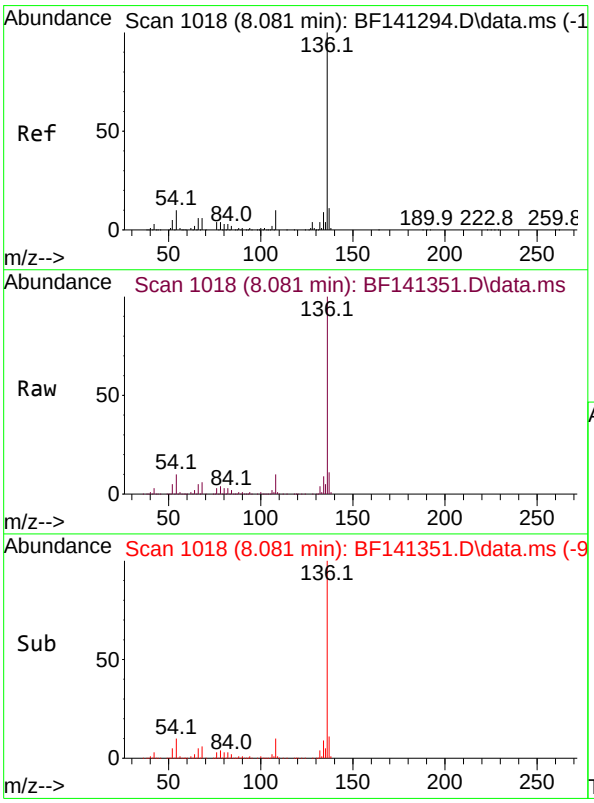
#7
Phenol-d6
Concen: 104.126 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion: 99 Resp: 1275689

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	34.2	26.9	40.3

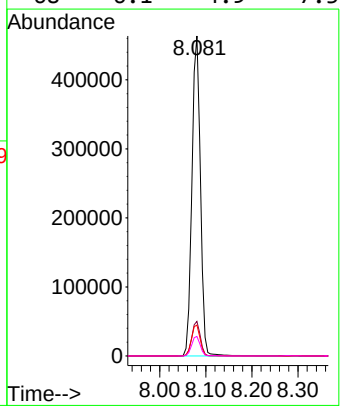


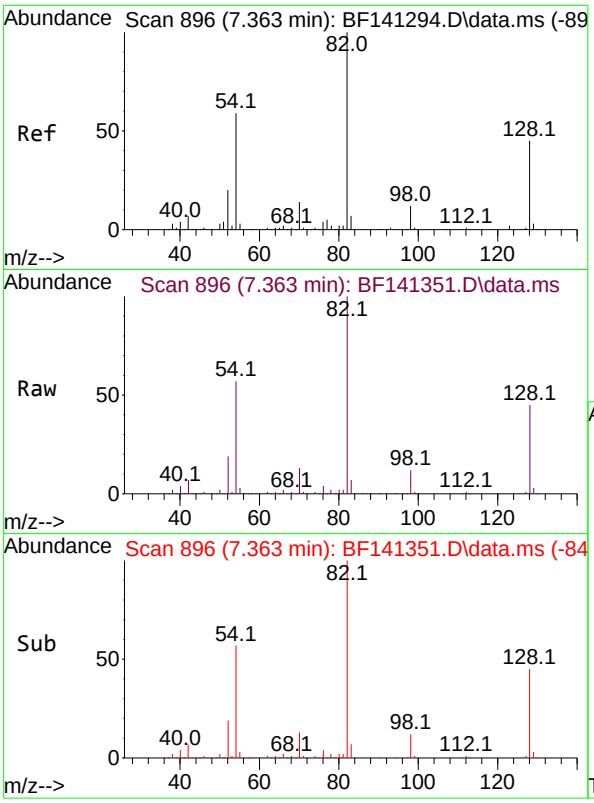


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:136 Resp: 589893

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.7	7.8	11.8
68	6.1	4.9	7.3



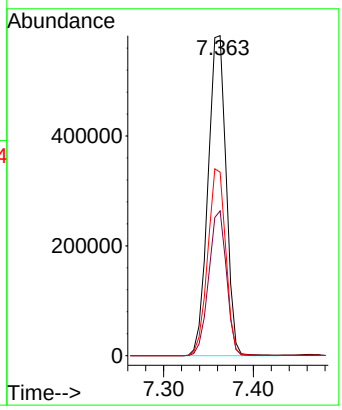


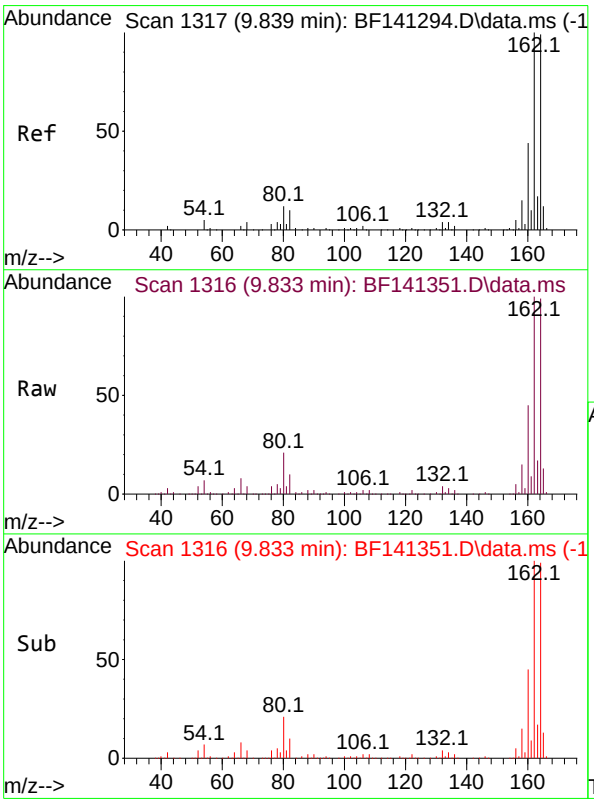
#23
Nitrobenzene-d5
Concen: 72.930 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion: 82 Resp: 816085

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	57.4	47.1	70.7

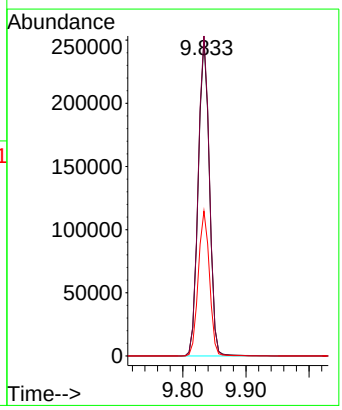


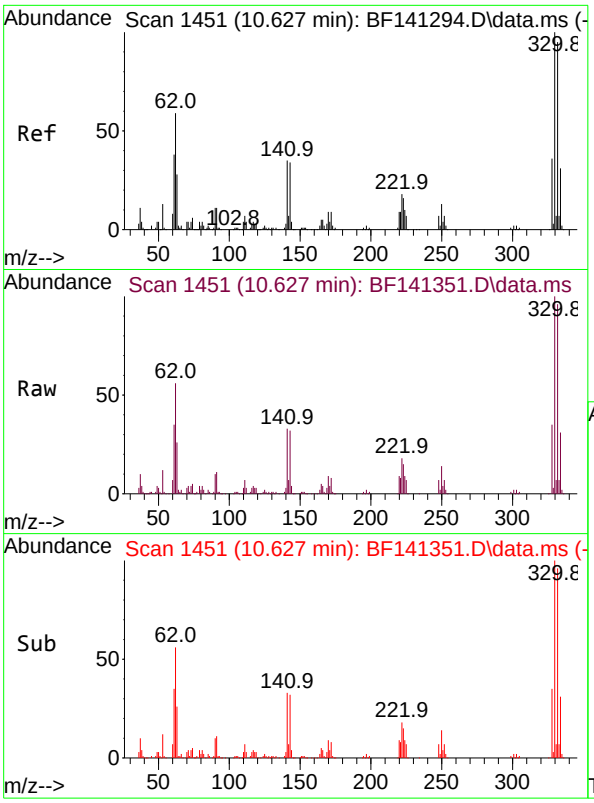


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:164 Resp: 306711

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	121.0
160	45.9	35.8	53.6



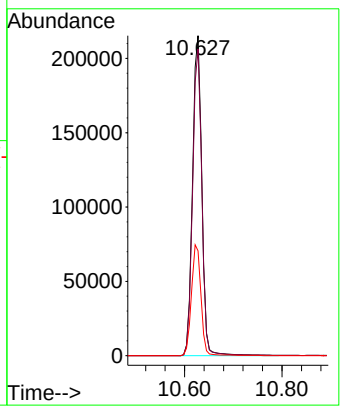


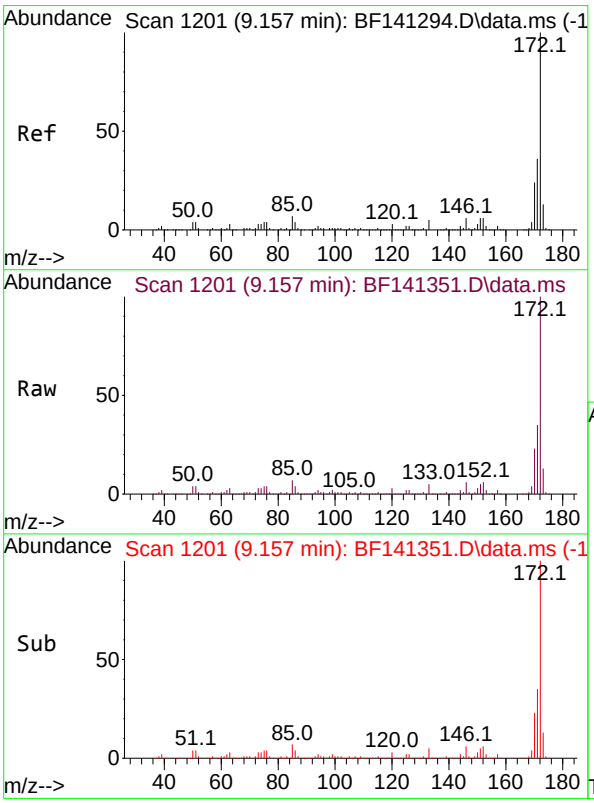
#42
2,4,6-Tribromophenol
Concen: 101.716 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:330 Resp: 286008

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.1	114.1
141	35.4	28.8	43.2

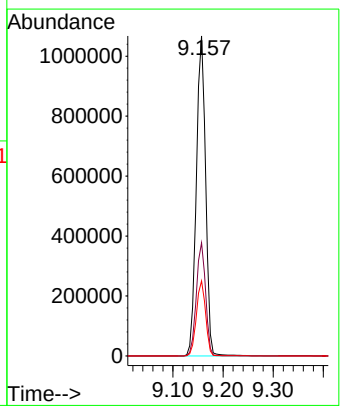


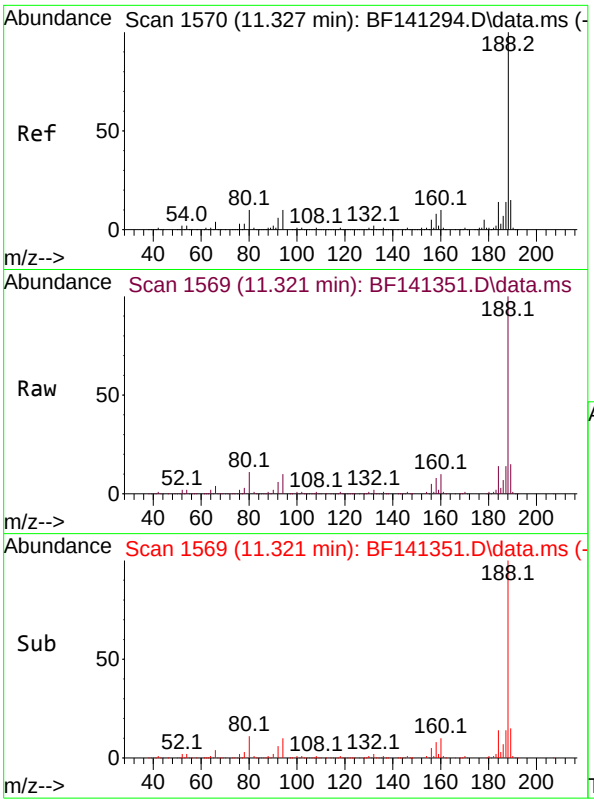


#45
2-Fluorobiphenyl
Concen: 68.921 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:172 Resp: 1373369

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



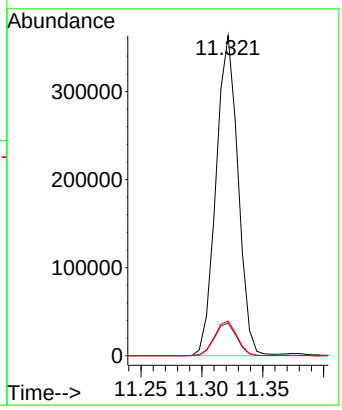


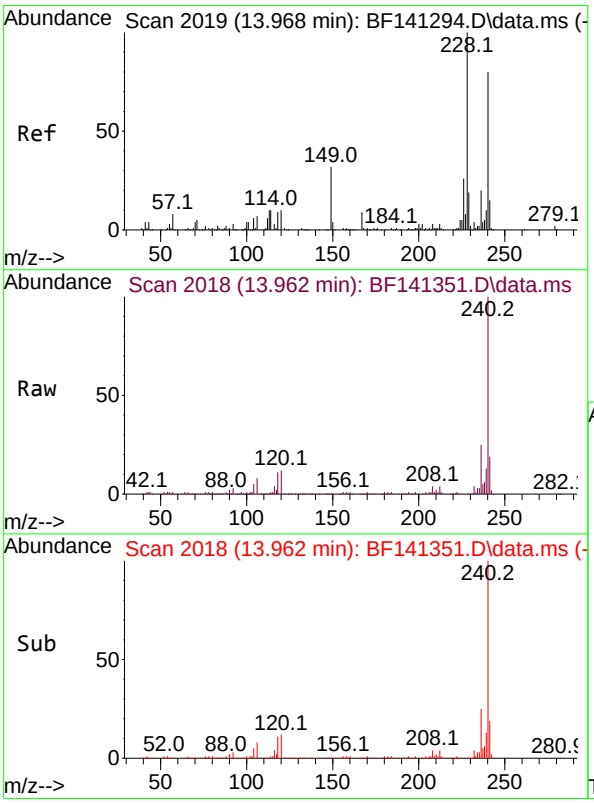
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:188 Resp: 457334

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	10.9	8.2	12.4

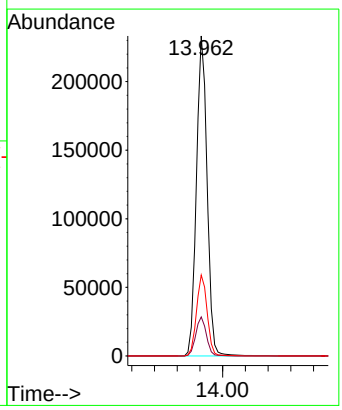


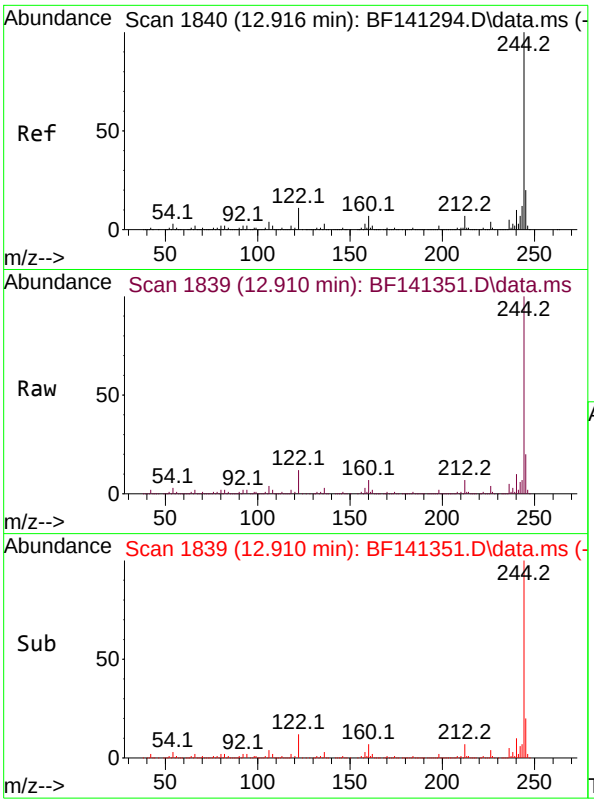


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:240 Resp: 306408

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.0	15.0
236	25.3	19.7	29.5



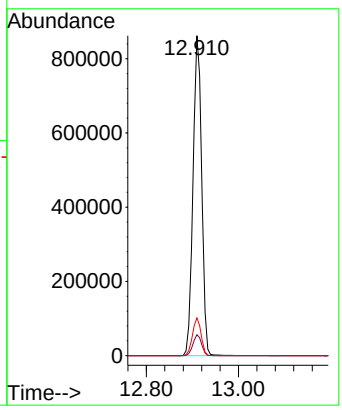


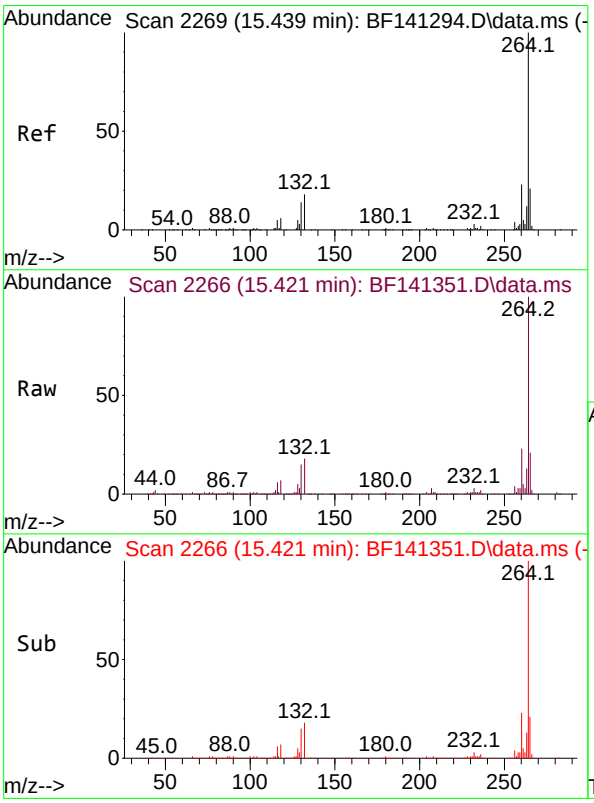
#79
Terphenyl-d14
Concen: 56.379 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:244 Resp: 1120159

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.8	8.8	13.2

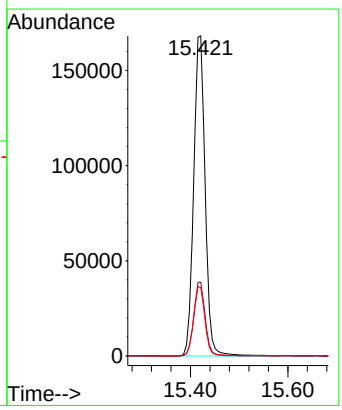




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:264 Resp: 276735

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141351.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141351.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	6	12	22	rVB	90277	143425	3.57%	0.529%
2	5.016	492	497	506	rVB	52627	88928	2.21%	0.328%
3	5.422	560	566	585	rBV	2809148	3765182	93.67%	13.879%
4	6.439	733	739	763	rVB	2697329	3810815	94.80%	14.048%
5	6.798	795	800	805	rBV	746676	904931	22.51%	3.336%
6	7.363	889	896	901	rBV	1762219	2468309	61.40%	9.099%
7	7.616	933	939	950	rVB	95616	122592	3.05%	0.452%
8	8.081	1012	1018	1035	rVB	949788	1235058	30.72%	4.553%
9	8.298	1045	1055	1062	rBV2	41712	61686	1.53%	0.227%
10	9.157	1195	1201	1206	rBV	3151336	4019772	100.00%	14.818%
11	9.833	1310	1316	1321	rBV	1071180	1317459	32.77%	4.856%
12	10.551	1433	1438	1445	rBV	197371	251038	6.25%	0.925%
13	10.622	1445	1450	1467	rBV	1696614	2351269	58.49%	8.667%
14	11.321	1564	1569	1575	rVB	913718	1143980	28.46%	4.217%
15	11.857	1655	1660	1674	rBV	238040	426342	10.61%	1.572%
16	12.645	1790	1794	1804	rBV2	21519	41337	1.03%	0.152%
17	12.910	1833	1839	1850	rVV	2289014	2961223	73.67%	10.916%
18	13.457	1927	1932	1937	rBV	170157	225935	5.62%	0.833%
19	13.874	1996	2003	2013	rBV6	21184	78960	1.96%	0.291%
20	13.962	2013	2018	2028	rVB	639614	841259	20.93%	3.101%
21	15.415	2260	2265	2283	rVB	458621	777143	19.33%	2.865%
22	15.892	2341	2346	2352	rBV	25849	43885	1.09%	0.162%
23	16.392	2426	2431	2444	rVB2	19167	47499	1.18%	0.175%

Sum of corrected areas: 27128027

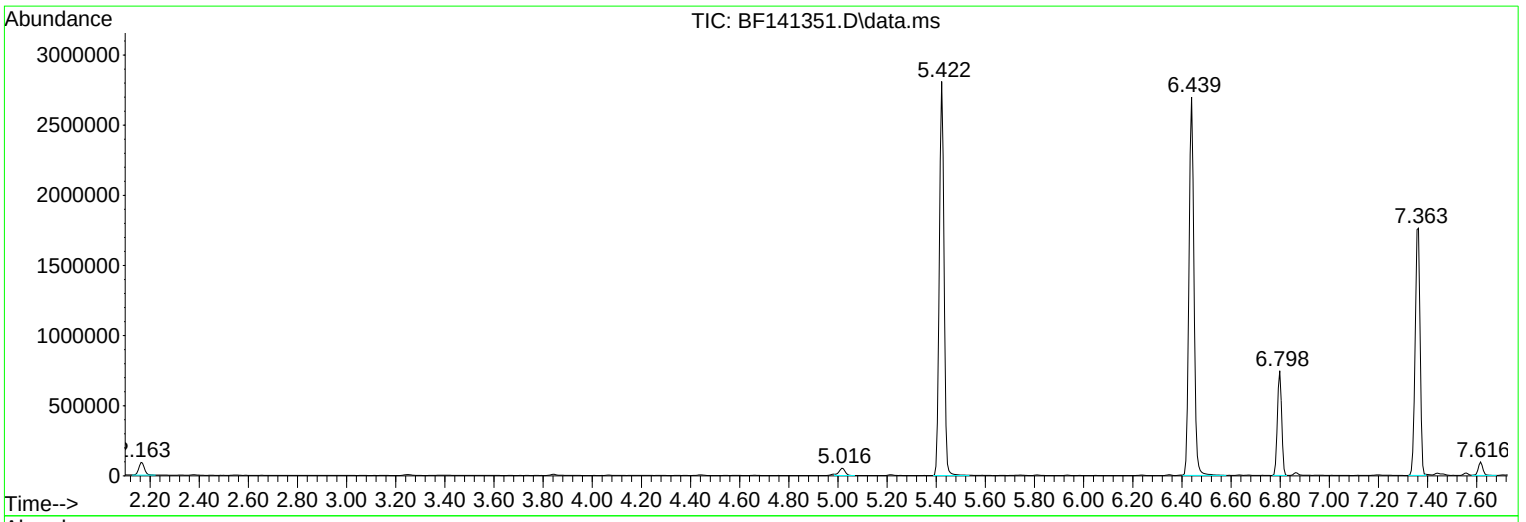
Sample Results: **BF141351.D**

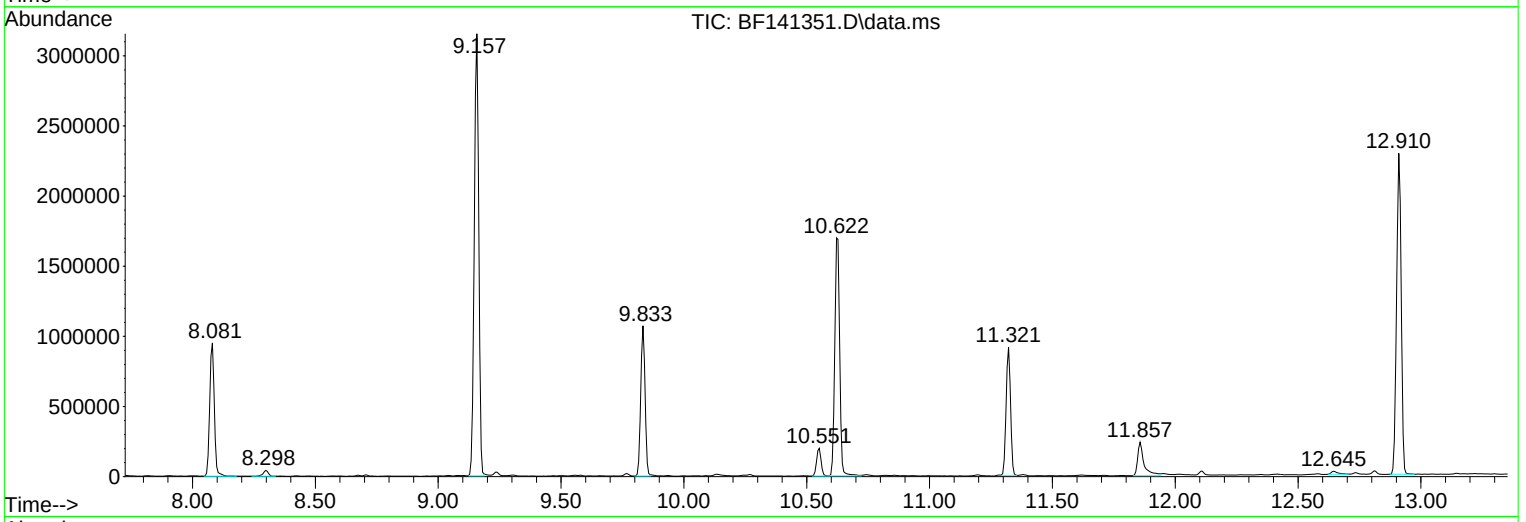
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Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

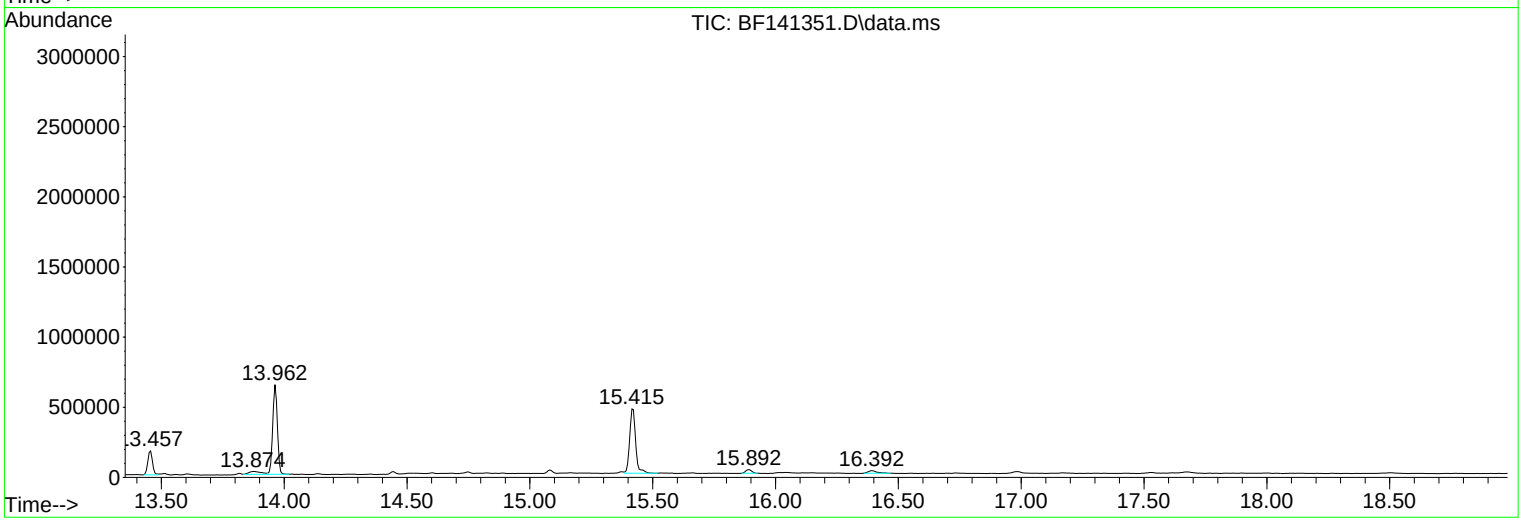
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

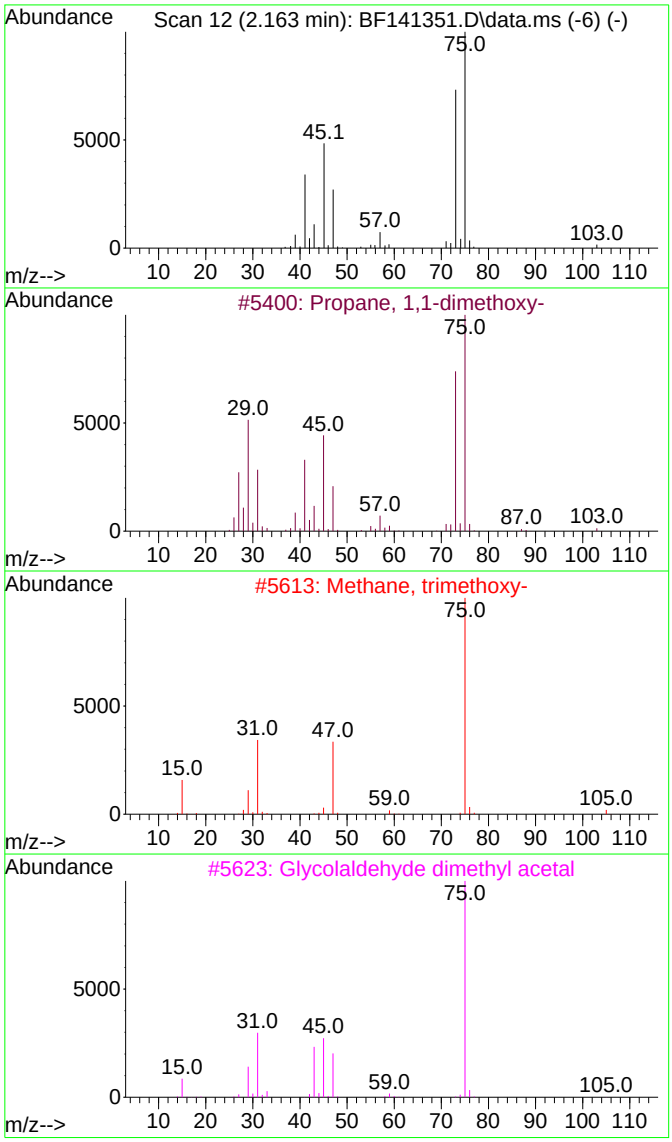
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

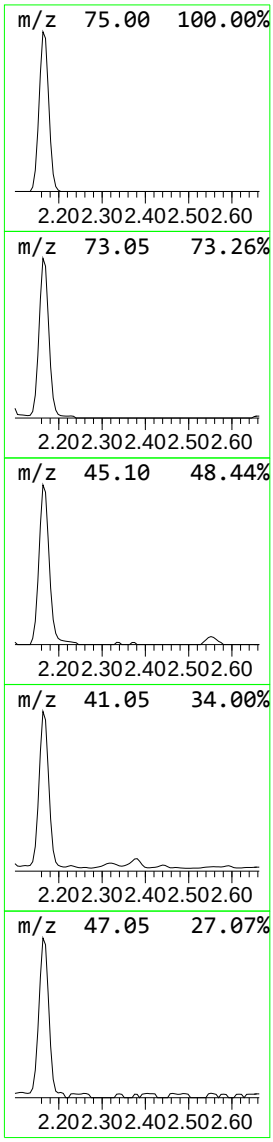
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	3.17 ng	143425	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38
3	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	36
4	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

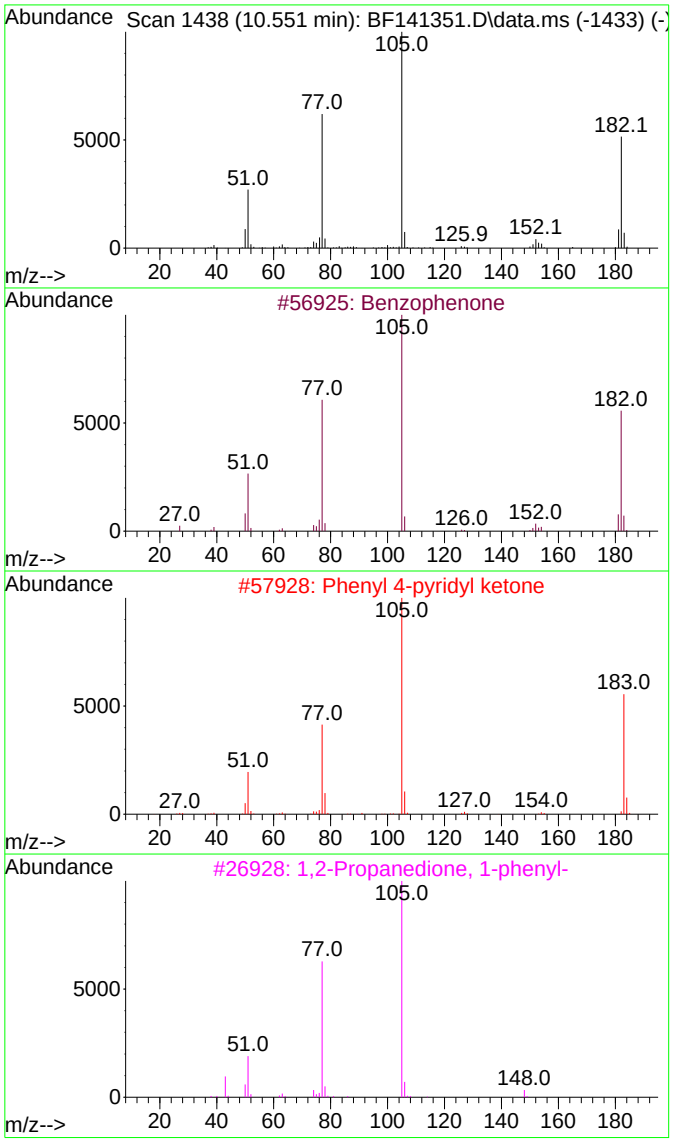
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

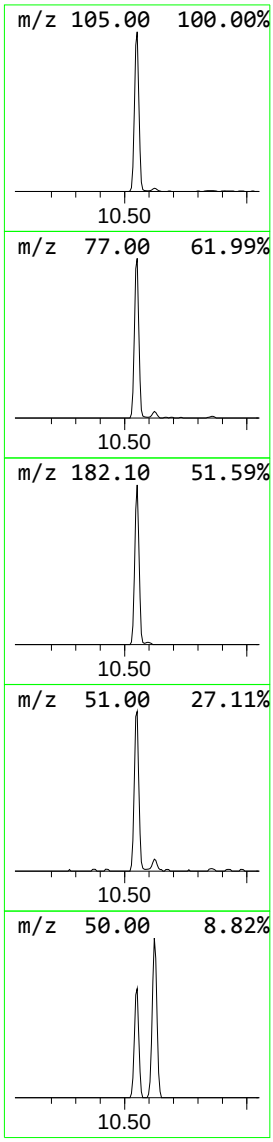
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	3.81 ng	251038	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

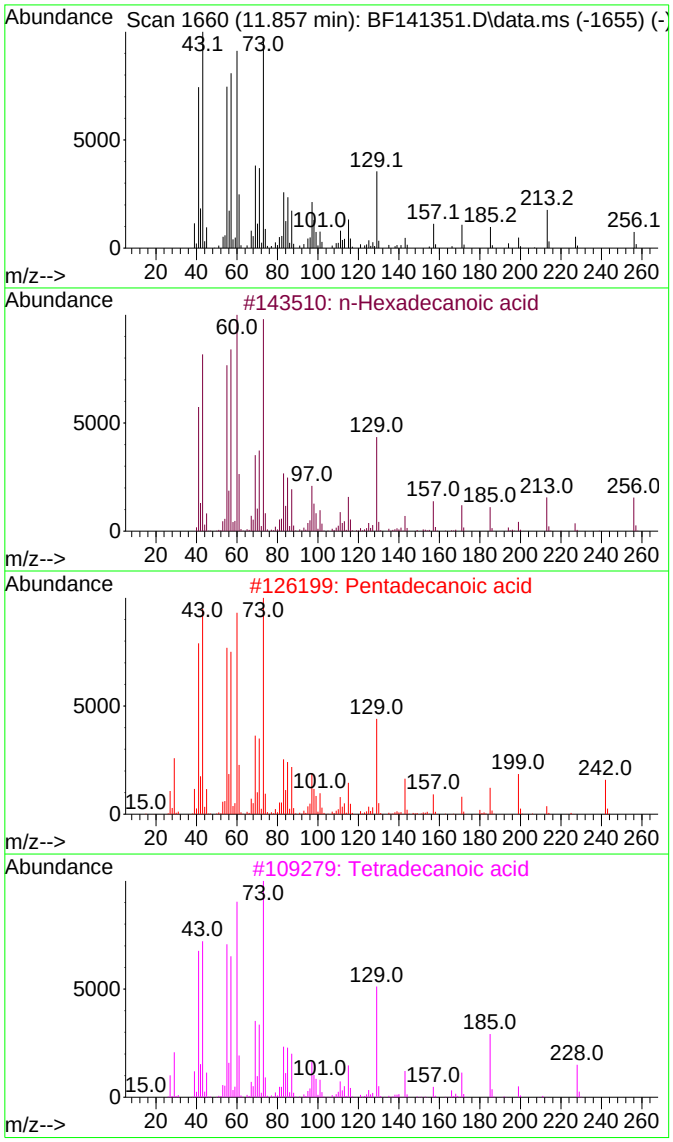
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

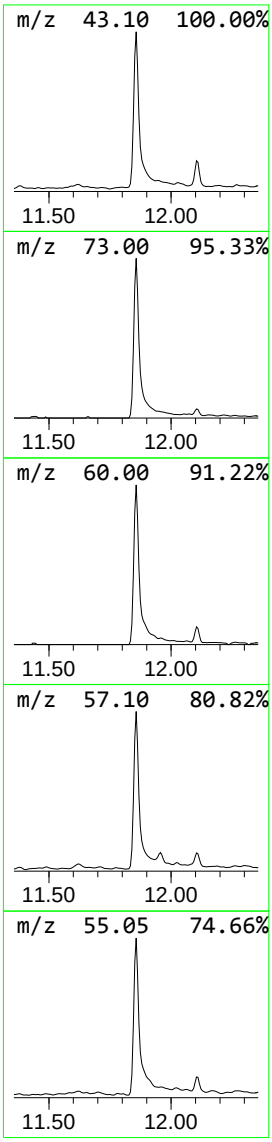
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.45 ng	426342	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

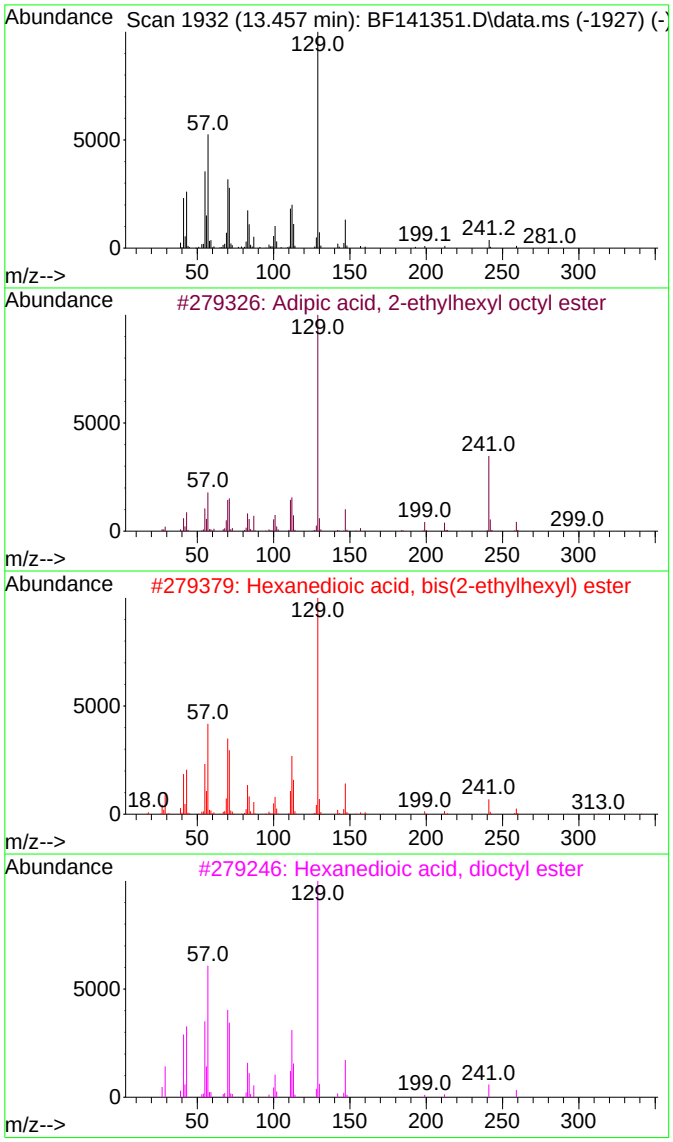
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

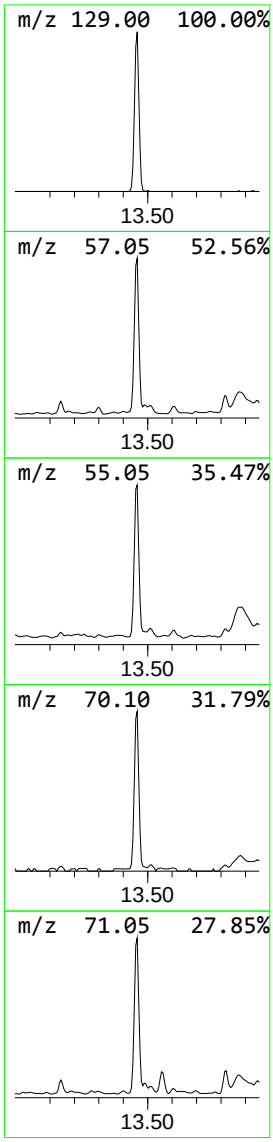
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Adipic acid, 2-ethylhexyl o... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	5.37 ng	225935	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	76
4	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68
5	Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1010324-48-0	59





Sample Results: **BF141351.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.163	3.2	ng	143425	1	6.798	904931	20.0
Benzophenone	10.551	3.8	ng	251038	3	9.833	1317460	20.0
n-Hexadecanoic ...	11.857	7.5	ng	426342	4	11.322	1143980	20.0
Adipic acid, 2-...	13.457	5.4	ng	225935	5	13.963	841259	20.0

Raw Data: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	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	UQ	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	UQ	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: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

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	UQ	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	UQ	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: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

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	25.5		15 (10) - 110 (139)	34%	SPK: 75
13127-88-3	Phenol-d6	16.6		15 (10) - 110 (134)	22%	SPK: 75
4165-60-0	Nitrobenzene-d5	32.2		30 (49) - 130 (133)	64%	SPK: 50
321-60-8	2-Fluorobiphenyl	32.8		30 (52) - 130 (132)	66%	SPK: 50
118-79-6	2,4,6-Tribromophenol	52.9		15 (44) - 110 (137)	71%	SPK: 75
1718-51-0	Terphenyl-d14	35.1		30 (48) - 130 (125)	70%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	101000	6.793			
1146-65-2	Naphthalene-d8	410000	8.075			
15067-26-2	Acenaphthene-d10	228000	9.828			
1517-22-2	Phenanthrene-d10	407000	11.316			
1719-03-5	Chrysene-d12	332000	13.957			
1520-96-3	Perylene-d12	265000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
020324-32-7	2-Propanol, 1-(2-methoxy-1-methyle	3.20	J		8.32	ug/L
000119-61-9	Benzophenone	2.10	J		10.5	ug/L
000057-10-3	n-Hexadecanoic acid	14.7	J		11.9	ug/L
000057-11-4	Octadecanoic acid	6.10	J		12.6	ug/L
006222-03-3	Trifluoroacetoxy hexadecane	3.80	J		13.8	ug/L

Raw Data: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

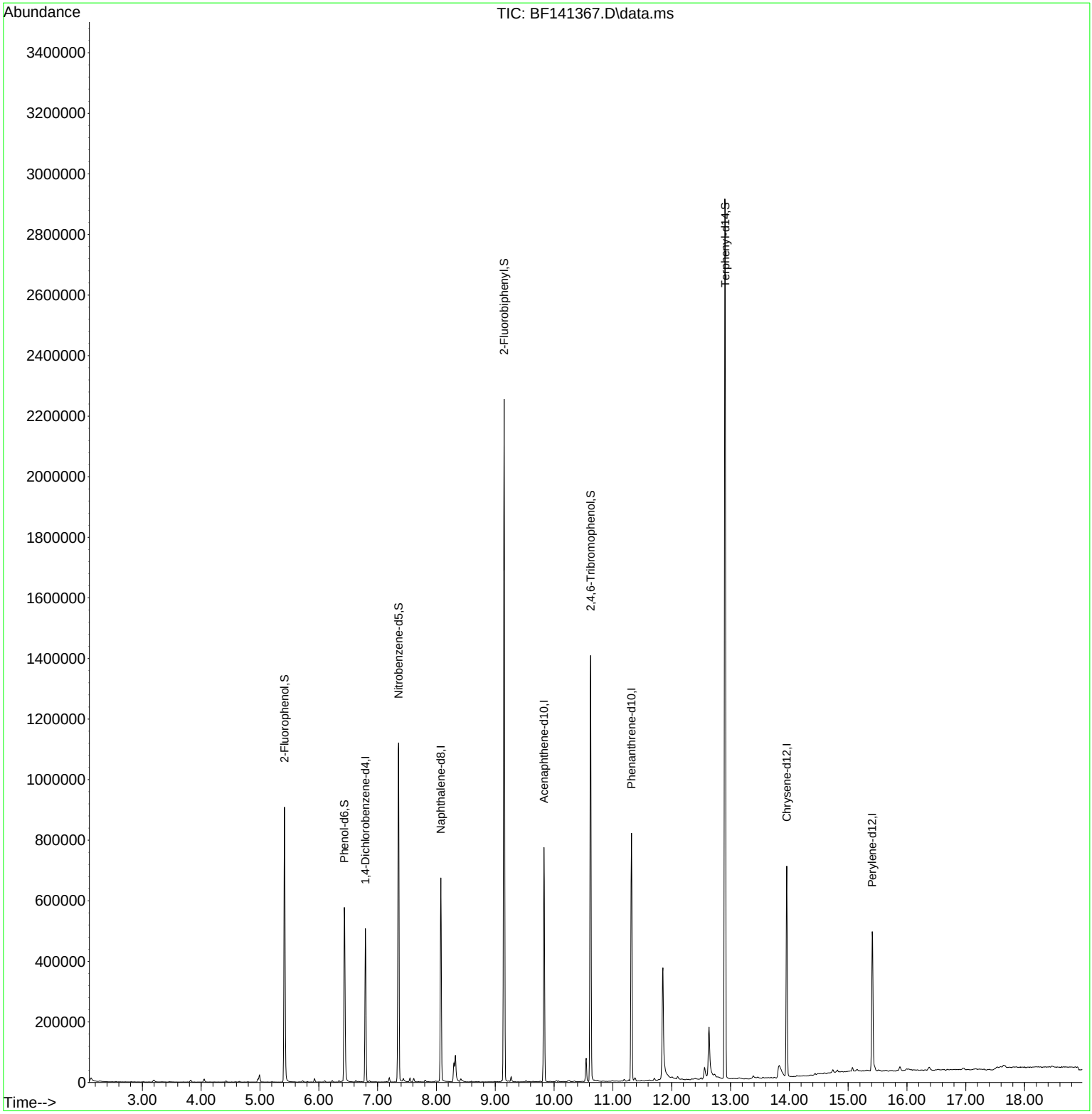
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	101266	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	409757	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	228085	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	407498	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	332056	20.000	ng	-0.02
86) Perylene-d12	15.410	264	264824	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	336523	51.017	ng	0.00
7) Phenol-d6	6.434	99	279381	33.294	ng	0.00
23) Nitrobenzene-d5	7.357	82	500491	64.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	221354	105.860	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	971685	65.572	ng	-0.01
79) Terphenyl-d14	12.910	244	1509500	70.107	ng	0.00
Target Compounds						Qvalue

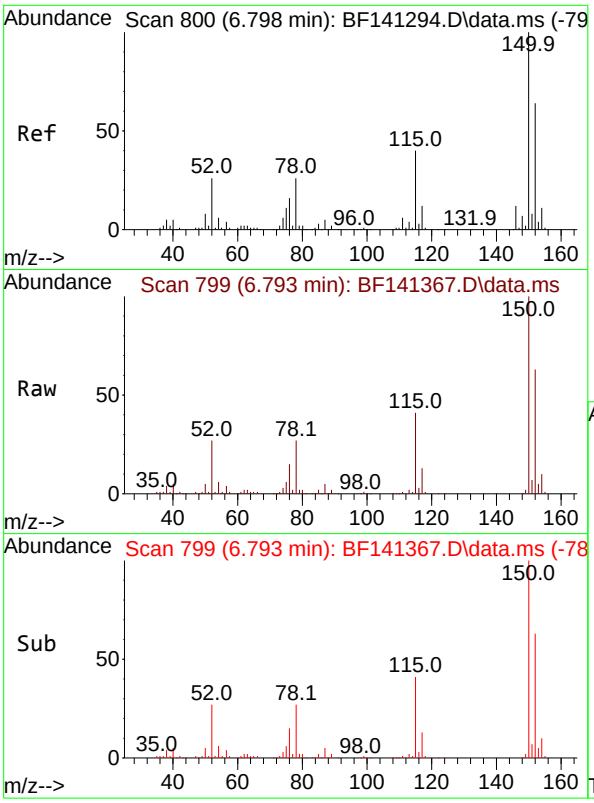
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



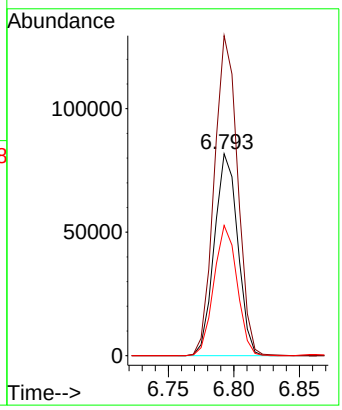


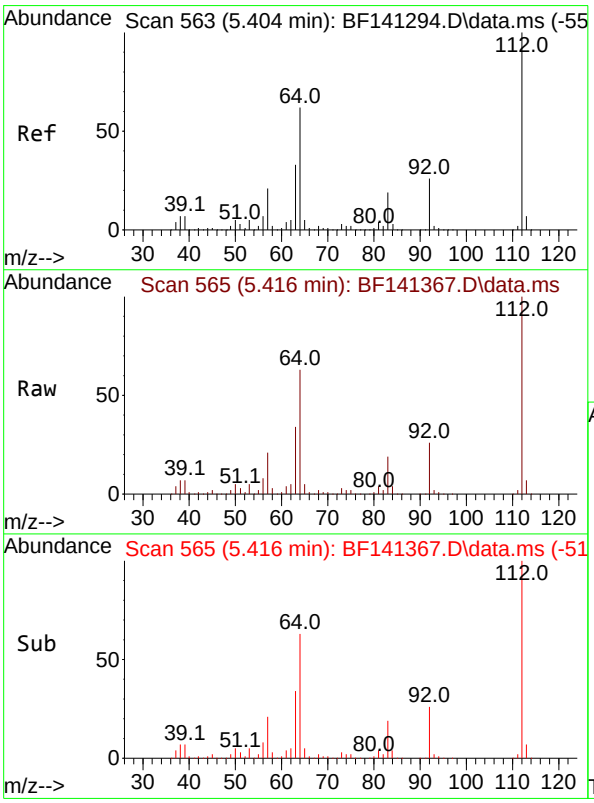
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:152 Resp: 101266

Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.9	188.9
115	64.5	49.7	74.5

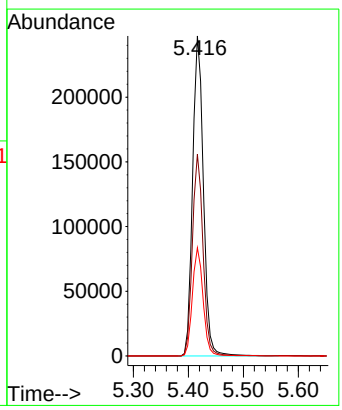


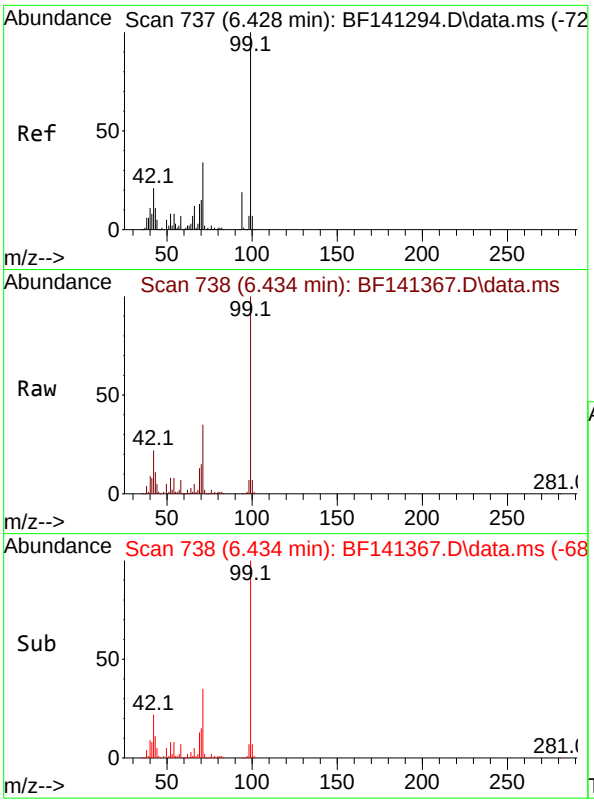


#5
2-Fluorophenol
Concen: 51.017 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:112 Resp: 336523

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.8	26.1	39.1



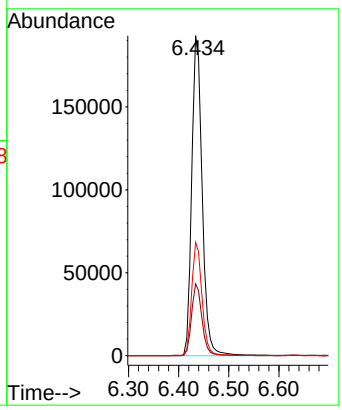


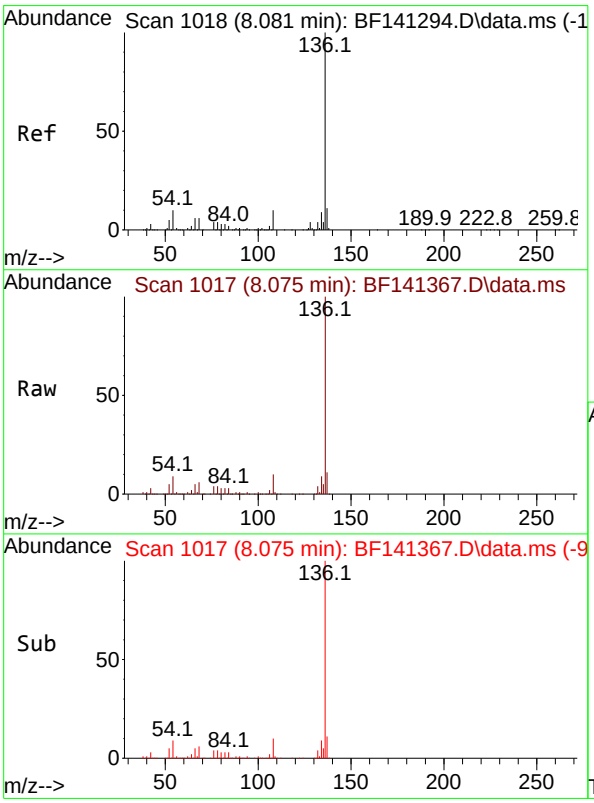
#7
Phenol-d6
Concen: 33.294 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion: 99 Resp: 279381

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.1	25.7
71	35.4	26.9	40.3

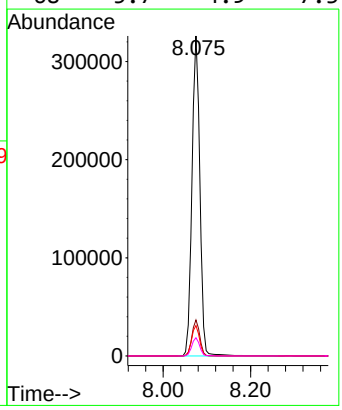


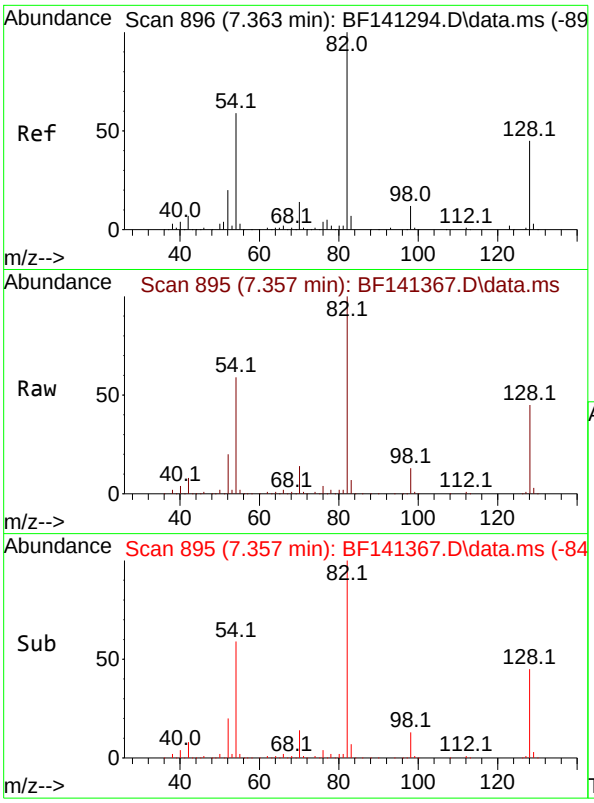


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:136 Resp: 409757

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.5	7.8	11.8
68	5.7	4.9	7.3



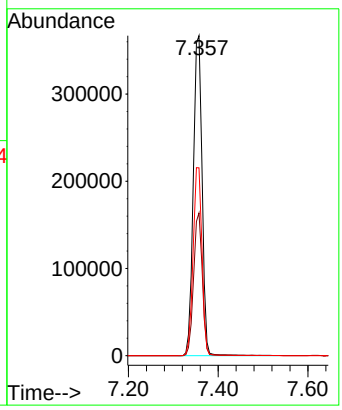


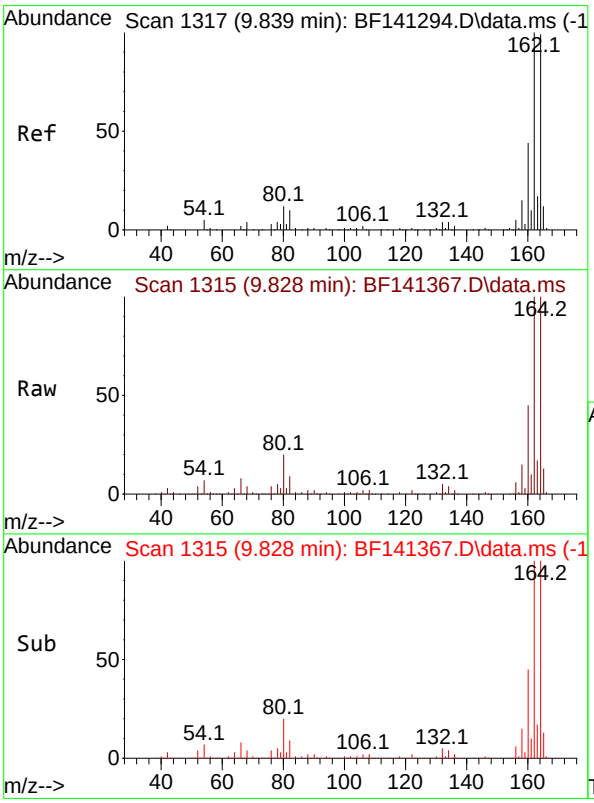
#23
Nitrobenzene-d5
Concen: 64.390 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion: 82 Resp: 500491

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.7	47.1	70.7

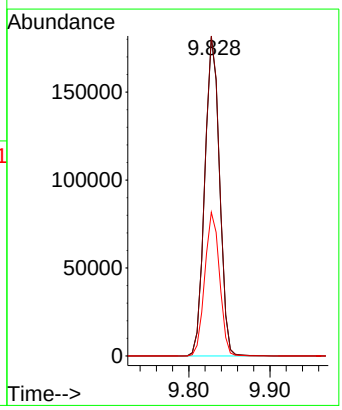


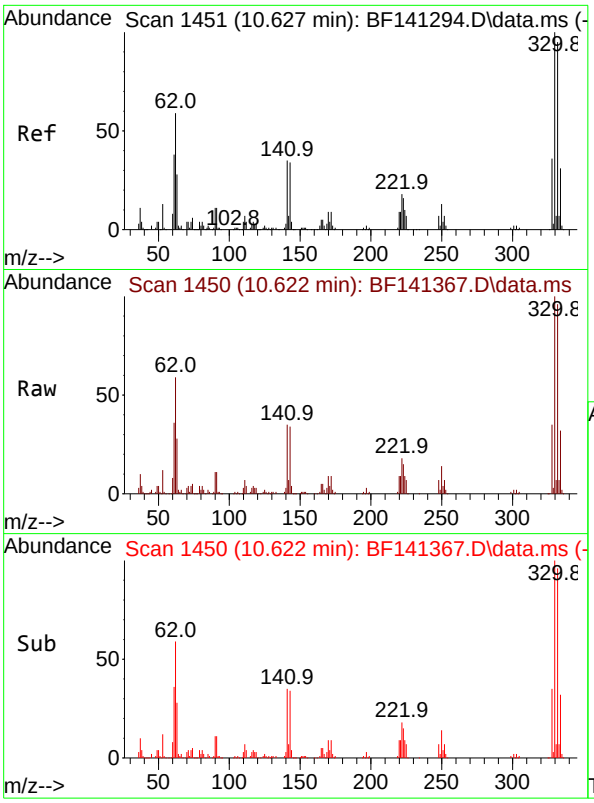


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:164 Resp: 228085

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	121.0
160	45.1	35.8	53.6



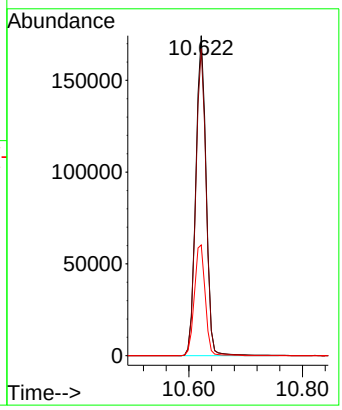


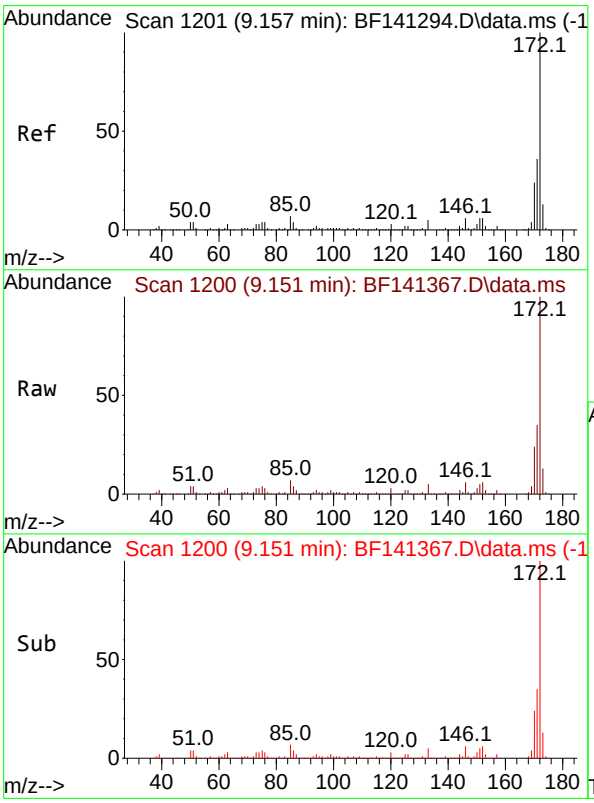
#42
2,4,6-Tribromophenol
Concen: 105.860 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:330 Resp: 221354

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	36.4	28.8	43.2

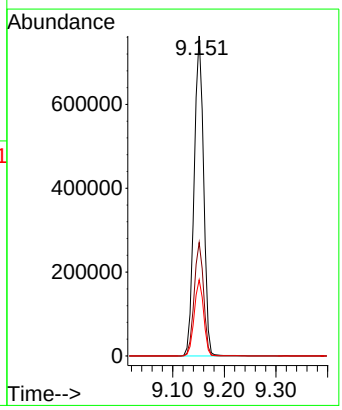


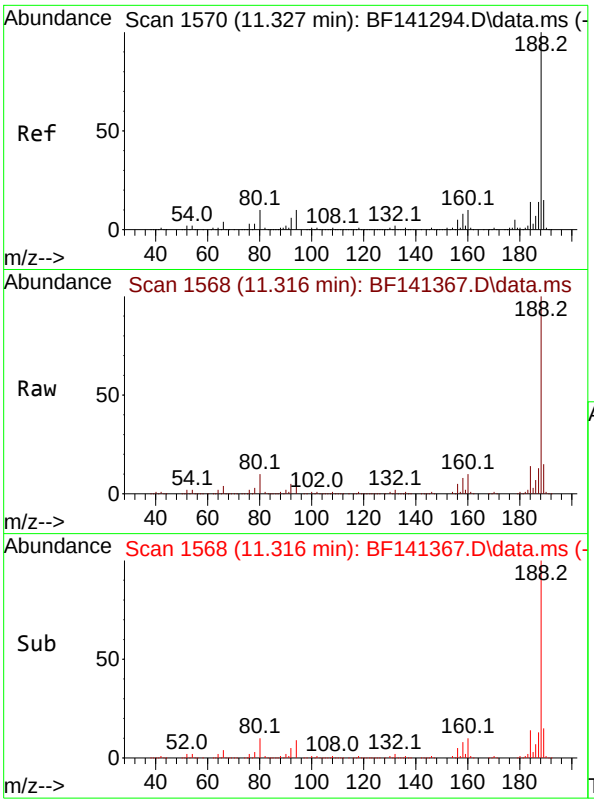


#45
2-Fluorobiphenyl
Concen: 65.572 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:172 Resp: 971685

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.8	19.0	28.6



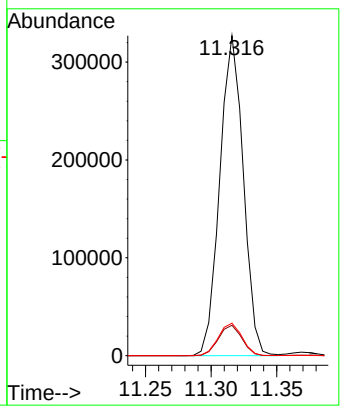


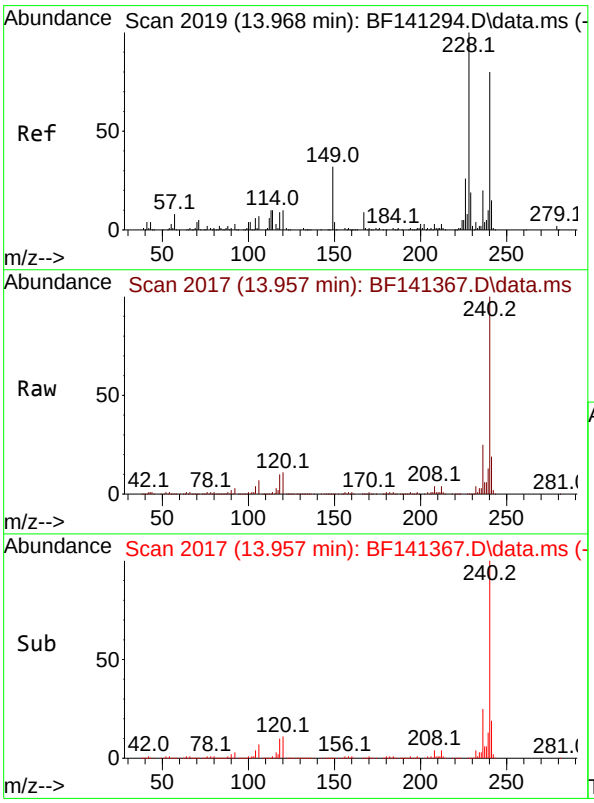
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:188 Resp: 407498

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	10.2	8.2	12.4

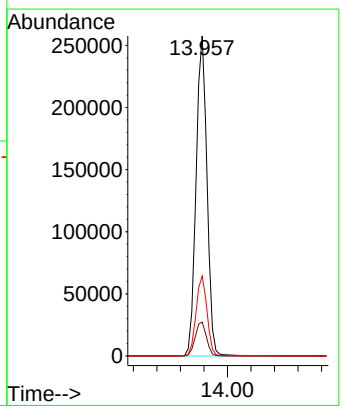


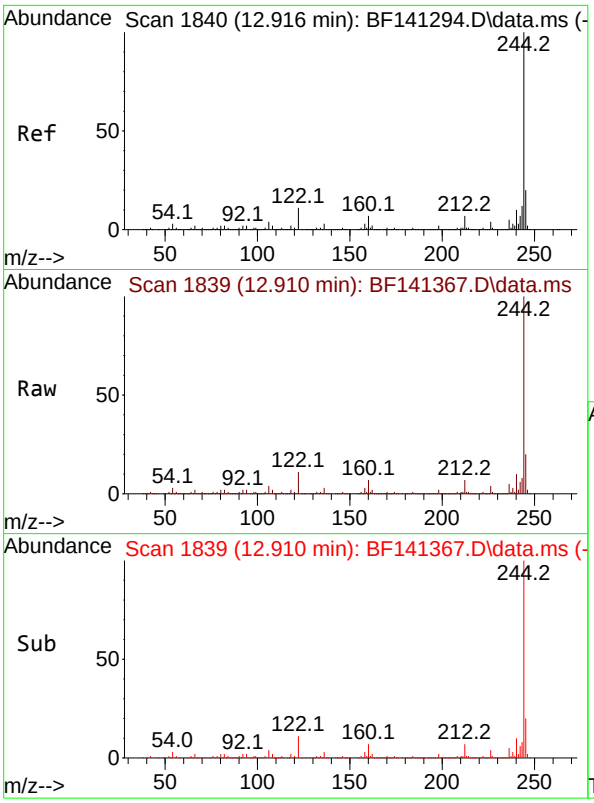


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:240 Resp: 332056

Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.0	15.0
236	25.0	19.7	29.5



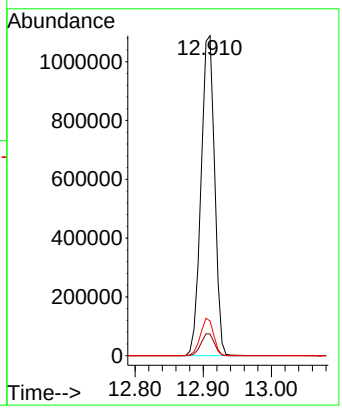


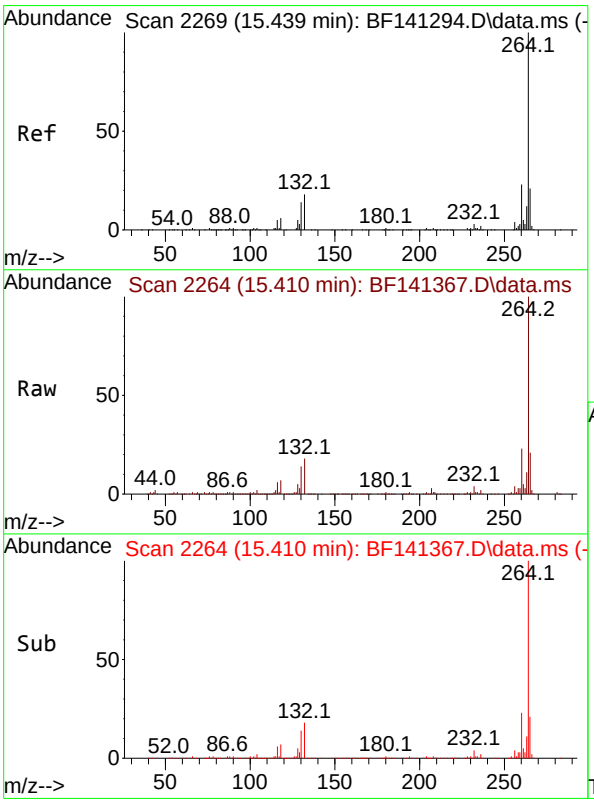
#79
Terphenyl-d14
Concen: 70.107 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:244 Resp: 1509500

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	8.8	13.2

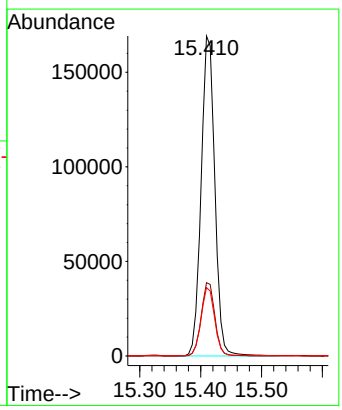




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:264 Resp: 264824

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	560	565	584	rBV	907502	1224485	30.42%	6.445%
2	6.434	733	738	755	rVB	575640	833454	20.71%	4.387%
3	6.793	794	799	804	rBV	505998	620831	15.42%	3.268%
4	7.357	887	895	900	rBV	1120561	1525801	37.91%	8.031%
5	8.075	1011	1017	1022	rBV	672293	833251	20.70%	4.386%
6	8.298	1050	1055	1056	rBV	61582	74116	1.84%	0.390%
7	8.322	1056	1059	1071	rVB	86665	134149	3.33%	0.706%
8	9.151	1194	1200	1205	rBV	2250337	2838447	70.52%	14.939%
9	9.828	1310	1315	1325	rBV	773827	971382	24.13%	5.113%
10	10.545	1430	1437	1444	rBV	77179	99544	2.47%	0.524%
11	10.622	1444	1450	1460	rBV	1406673	1842046	45.77%	9.695%
12	11.316	1563	1568	1573	rBV	817329	1016972	25.27%	5.353%
13	11.851	1644	1659	1681	rBV2	370692	748088	18.59%	3.937%
14	12.557	1773	1779	1786	rBV	37970	83569	2.08%	0.440%
15	12.633	1786	1792	1805	rVV	162923	311405	7.74%	1.639%
16	12.904	1832	1838	1844	rBV	2903652	4024968	100.00%	21.184%
17	13.827	1988	1995	2011	rBV2	40295	173686	4.32%	0.914%
18	13.957	2011	2017	2029	rVB	695648	910318	22.62%	4.791%
19	15.410	2258	2264	2276	rBV	460069	733334	18.22%	3.860%

Sum of corrected areas: 18999846

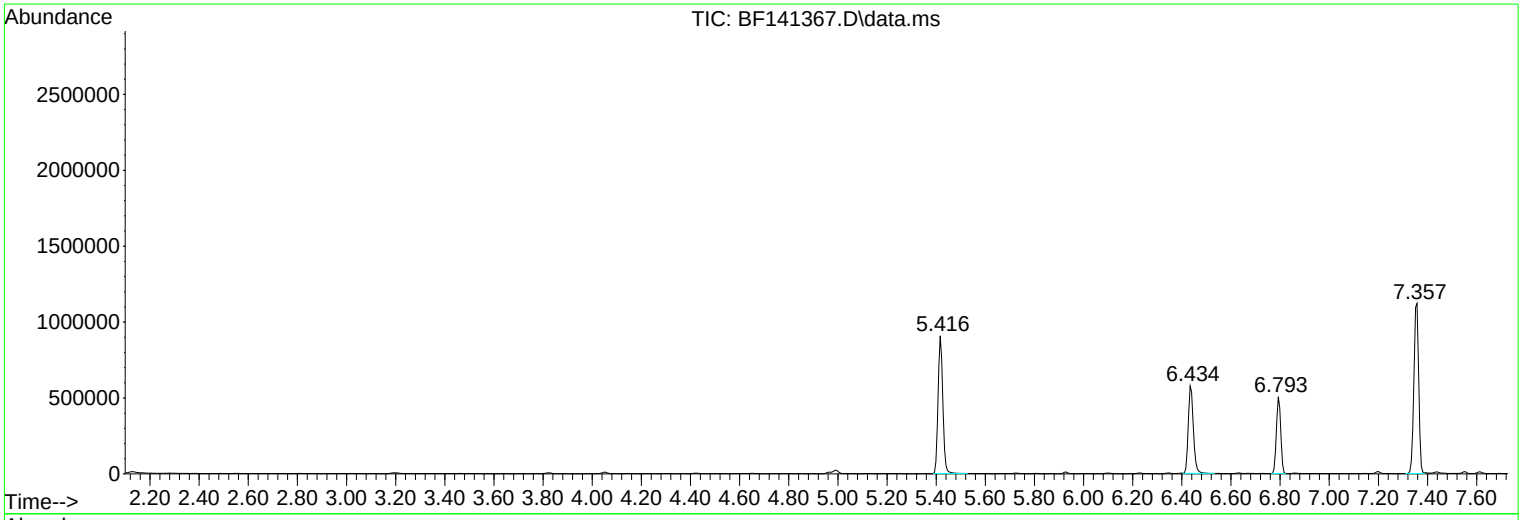
Sample Results: **BF141367.D**

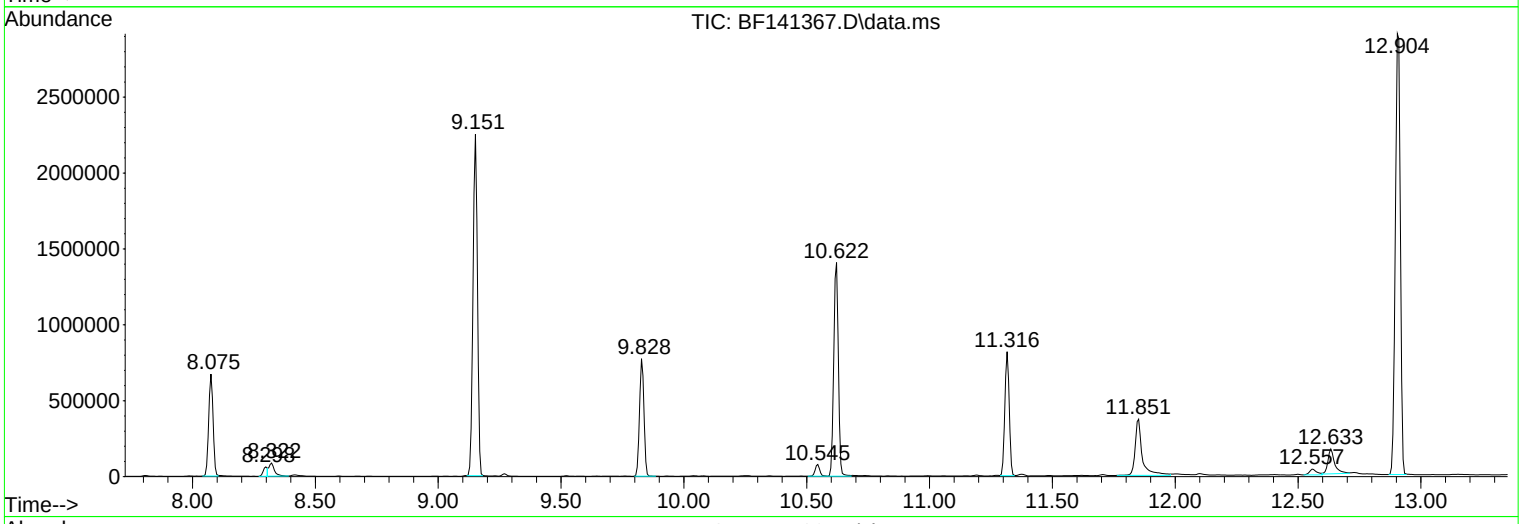
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Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

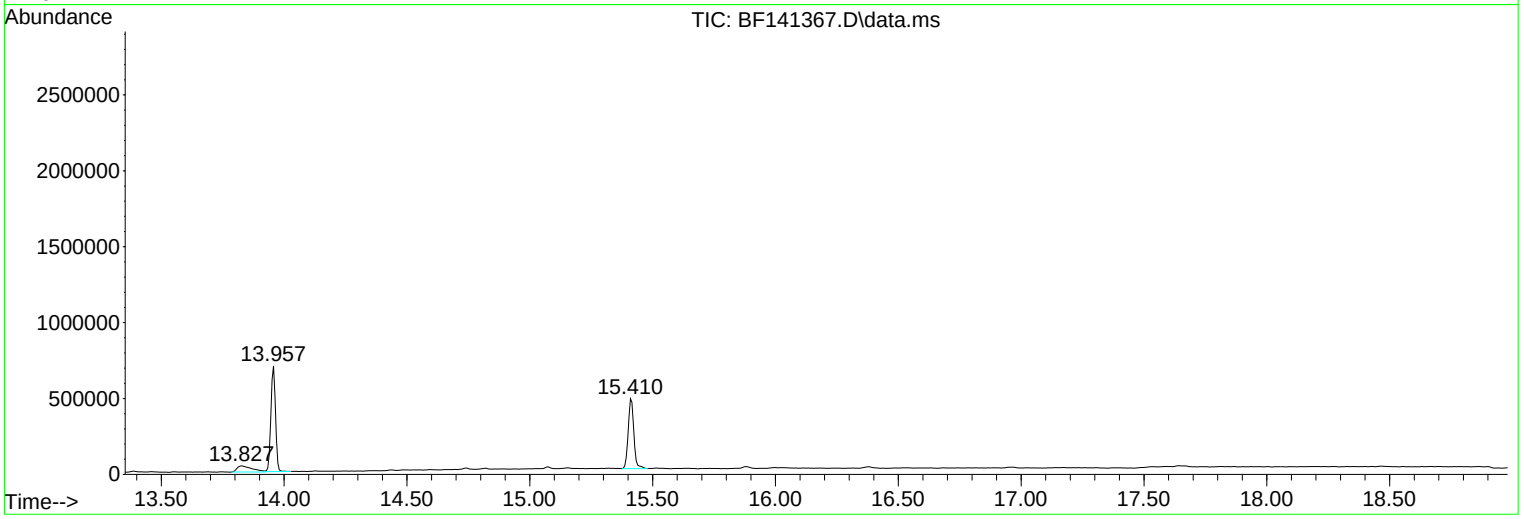
Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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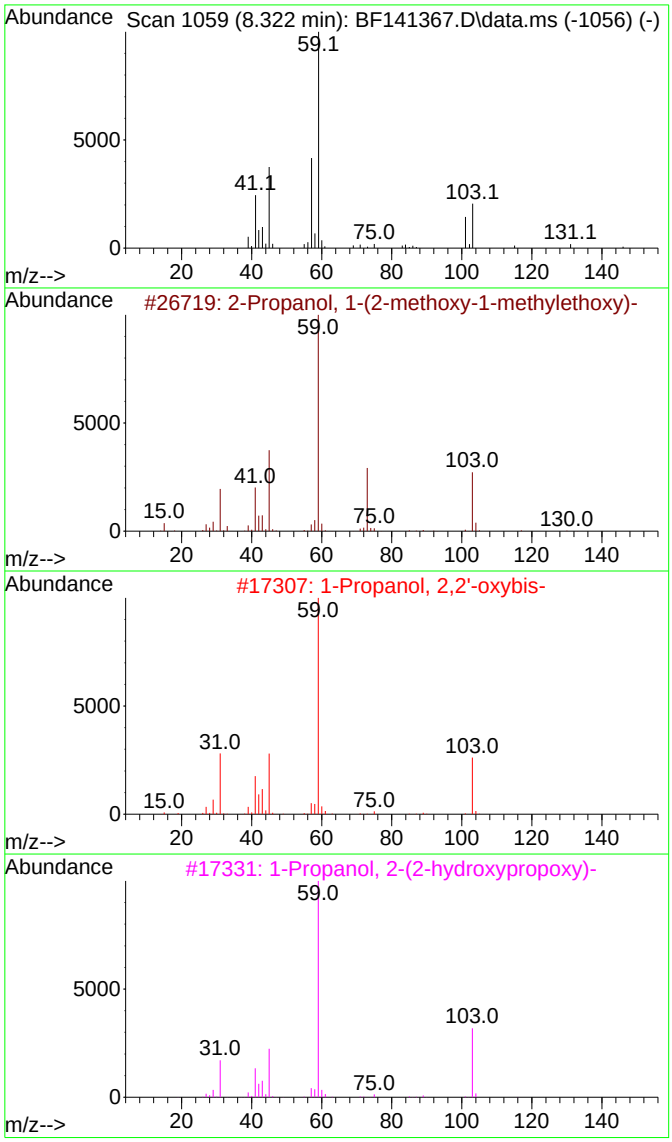
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

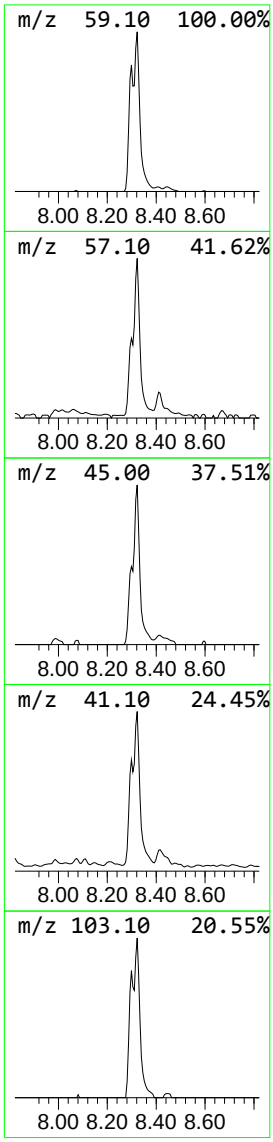
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.322	3.22 ng	134149	Naphthalene-d8	8.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	50
4	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	47
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	45





Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

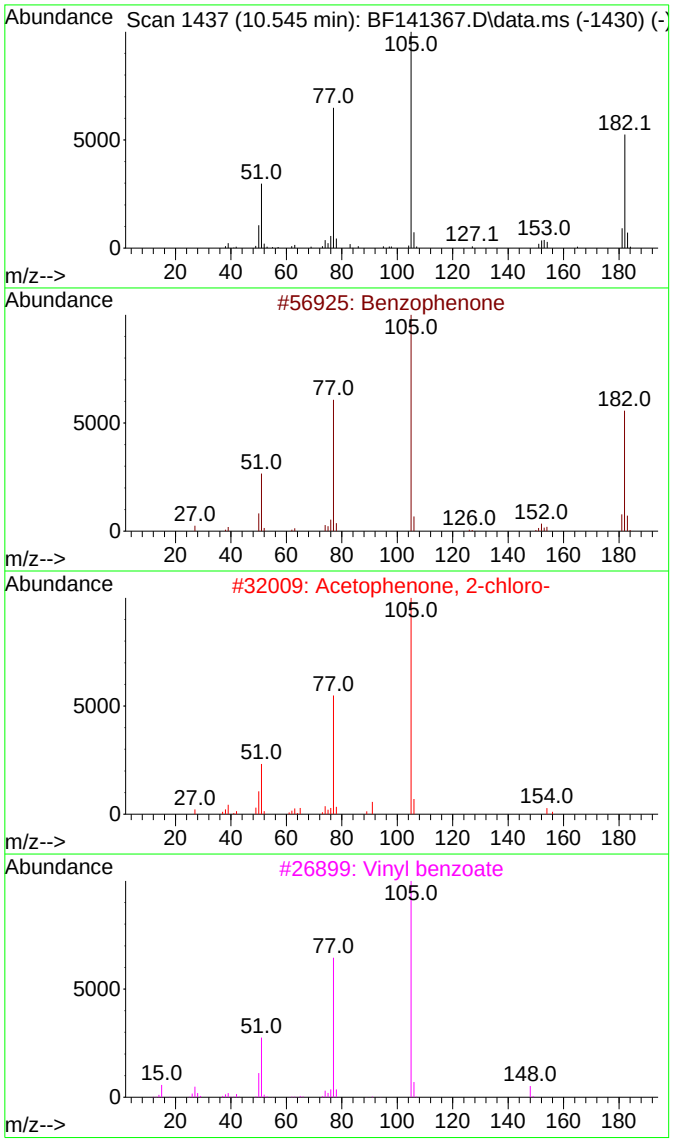
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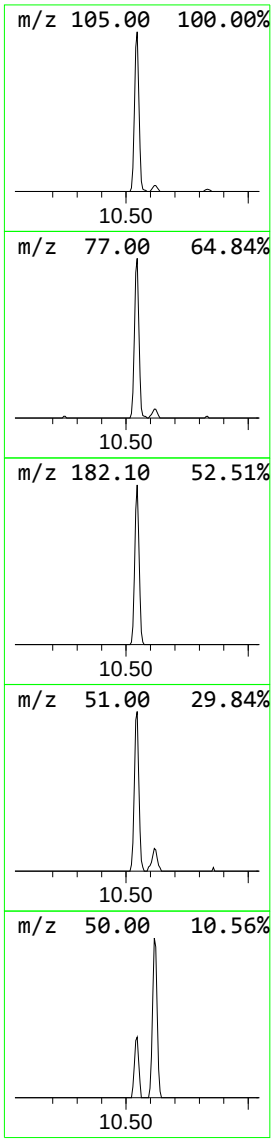
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Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.05 ng	99544	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3	Vinyl benzoate	148	C9H8O2	000769-78-8	43
4	5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	43
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

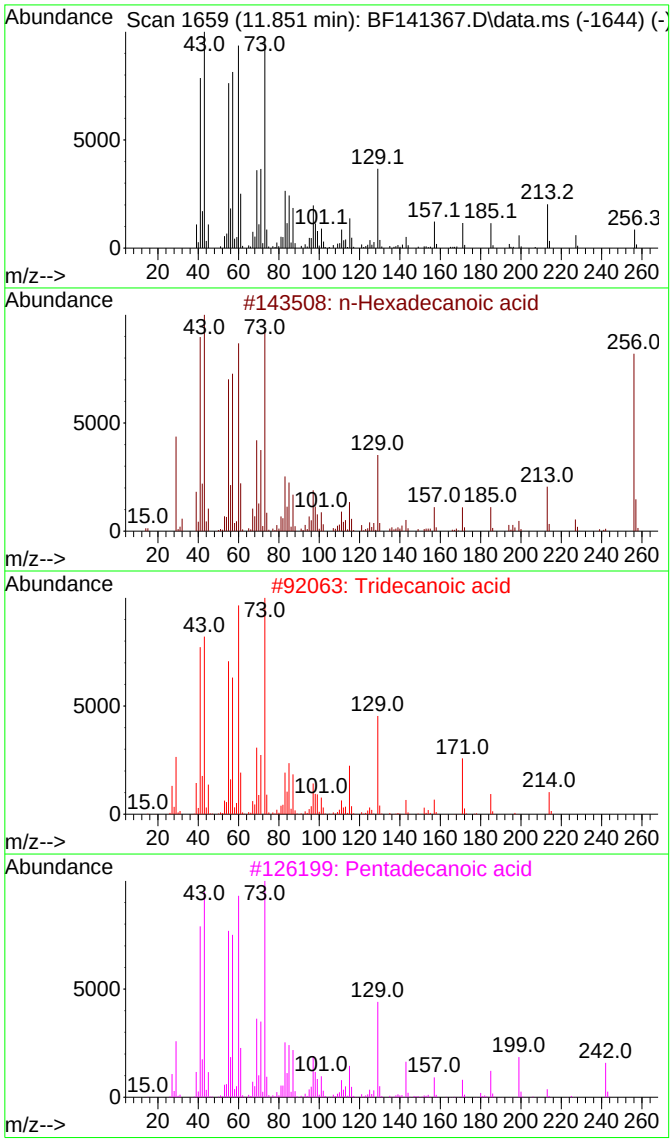
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TIC Integration Parameters: LSCINT.P

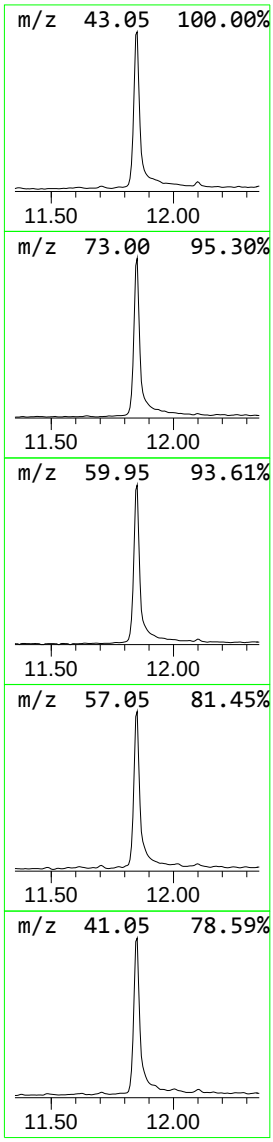
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	14.71 ng	748088	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

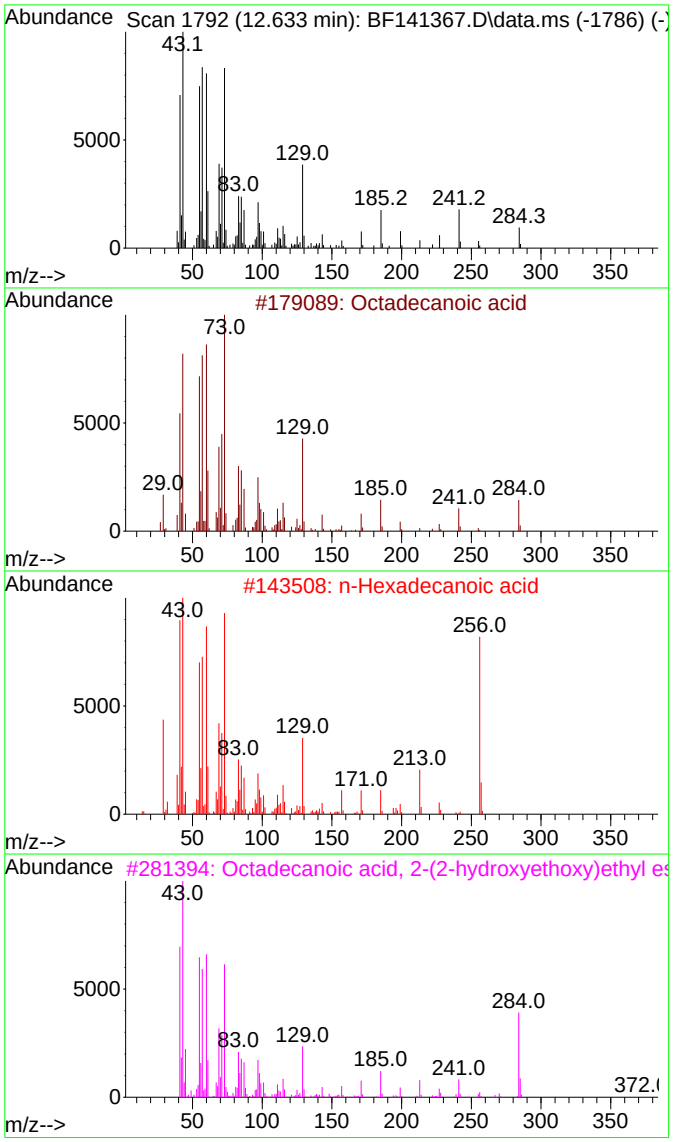
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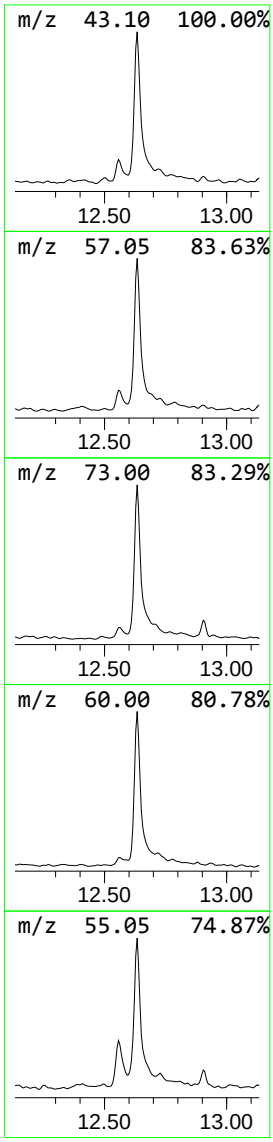
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Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	6.12 ng	311405	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

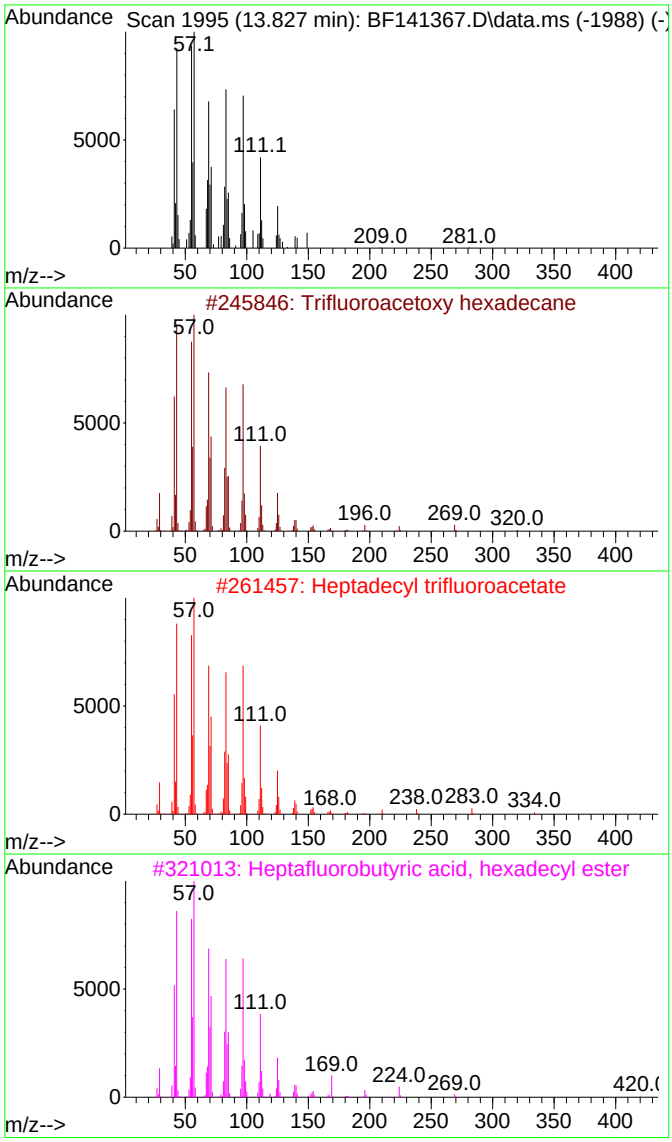
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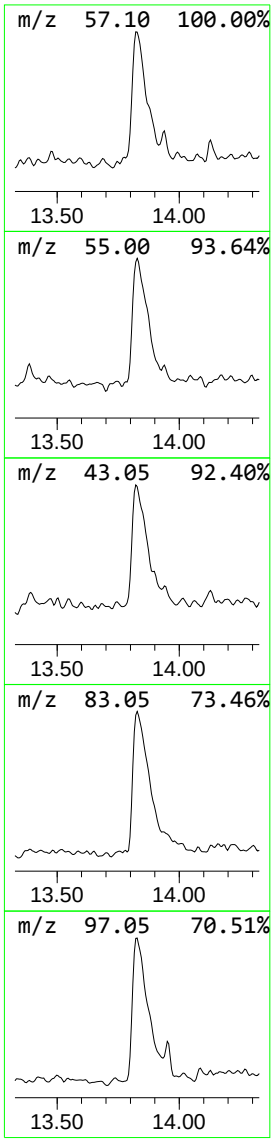
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.82 ng	173686	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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-Propanol, 1-(...	8.322	3.2	ng	134149	2	8.075	833251	20.0
Benzophenone	10.545	2.0	ng	99544	3	9.828	971382	20.0
n-Hexadecanoic ...	11.851	14.7	ng	748088	4	11.316	1016970	20.0
Octadecanoic acid	12.633	6.1	ng	311405	4	11.316	1016970	20.0
Trifluoroacetox...	13.827	3.8	ng	173686	5	13.957	910318	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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.303	8.0
Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.960	17.8
Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.657	8.5
Phenol		1.938	1.879	1.884	1.643	1.696	1.757	8.2
bis(2-Chloroethyl)ether		1.478	1.413	1.426	1.232	1.299	1.347	6.9
2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.396	8.2
2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.135	6.6
2,2-oxybis(1-Chloropropane)		2.533	2.484	2.495	2.189	2.296	2.342	7.0
Acetophenone		0.547	0.523	0.517	0.436	0.449	0.475	11.1
3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.393	10.6
n-Nitroso-di-n-propylamine	1.084	1.052	1.060	1.032	0.895	0.936	0.985	8.3
Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.379	6.1
Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.571	7.1
Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.393	6.1
Isophorone		0.698	0.685	0.694	0.611	0.640	0.656	5.6
2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.185	4.7
2,4-Dimethylphenol		0.244	0.239	0.249	0.224	0.235	0.236	4.1
bis(2-Chloroethoxy)methane		0.454	0.440	0.445	0.389	0.405	0.418	6.7
2,4-Dichlorophenol		0.307	0.300	0.312	0.271	0.284	0.289	6.4
Naphthalene		1.193	1.145	1.140	0.976	1.020	1.057	9.7
4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.358	7.4
Hexachlorobutadiene		0.209	0.207	0.209	0.179	0.190	0.194	7.5
Caprolactam		0.097	0.095	0.102	0.089	0.094	0.094	4.9
4-Chloro-3-methylphenol		0.328	0.328	0.334	0.287	0.301	0.310	6.7
2-Methylnaphthalene		0.755	0.732	0.724	0.624	0.643	0.672	9.7
Hexachlorocyclopentadiene		0.136	0.157	0.174	0.172	0.182	0.168	9.7
2,4,6-Trichlorophenol		0.381	0.380	0.390	0.364	0.375	0.372	3.8
2-Fluorobiphenyl		1.597	1.464	1.398	1.184	1.202	1.299	14.5
2,4,5-Trichlorophenol		0.429	0.425	0.429	0.377	0.391	0.405	5.5
1,1-Biphenyl		1.810	1.692	1.650	1.454	1.492	1.560	10.3
2-Chloronaphthalene		1.396	1.310	1.290	1.122	1.159	1.216	9.6
2-Nitroaniline		0.386	0.389	0.407	0.364	0.382	0.382	3.9
Dimethylphthalate		1.498	1.456	1.445	1.239	1.299	1.351	8.3
Acenaphthylene		1.921	1.854	1.815	1.595	1.620	1.702	9.4

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.333	0.331	0.333	0.296	0.304	0.314	5.9
3-Nitroaniline		0.321	0.330	0.341	0.303	0.293	0.307	8.4
Acenaphthene		1.361	1.300	1.291	1.128	1.170	1.216	8.5
2,4-Dinitrophenol			0.102	0.136	0.147	0.156	0.146	16.8
4-Nitrophenol		0.187	0.215	0.251	0.224	0.231	0.225	9.2
Dibenzofuran		1.869	1.788	1.755	1.518	1.525	1.627	10.7
2,4-Dinitrotoluene		0.424	0.431	0.443	0.386	0.392	0.406	7.0
Diethylphthalate		1.470	1.417	1.412	1.225	1.238	1.310	9.3
4-Chlorophenyl-phenylether		0.738	0.694	0.659	0.567	0.565	0.617	13.0
Fluorene		1.512	1.410	1.353	1.167	1.164	1.262	13.0
4-Nitroaniline		0.297	0.312	0.330	0.290	0.294	0.302	5.4
4,6-Dinitro-2-methylphenol		0.080	0.105	0.122	0.125	0.131	0.118	16.3
n-Nitrosodiphenylamine		0.716	0.684	0.674	0.626	0.622	0.647	6.9
2,4,6-Tribromophenol		0.198	0.198	0.198	0.173	0.175	0.183	8.0
4-Bromophenyl-phenylether		0.235	0.234	0.234	0.217	0.218	0.224	4.6
Hexachlorobenzene		0.257	0.250	0.248	0.229	0.229	0.238	6.1
Atrazine		0.211	0.202	0.213	0.213	0.215	0.216	4.9
Pentachlorophenol		0.112	0.136	0.146	0.143	0.146	0.139	9.1
Phenanthrene		1.233	1.170	1.142	1.025	1.008	1.075	10.0
Anthracene		1.179	1.146	1.120	1.009	0.999	1.053	9.0
Carbazole		1.019	1.014	1.021	0.899	0.878	0.934	9.0
Di-n-butylphthalate		1.244	1.239	1.245	1.086	1.051	1.132	9.7
Fluoranthene		1.195	1.202	1.196	1.013	0.963	1.062	12.6
Pyrene		2.178	2.063	2.002	1.754	1.870	1.920	9.1
Terphenyl-d14		1.543	1.411	1.370	1.183	1.238	1.297	11.7
Butylbenzylphthalate		0.686	0.690	0.739	0.626	0.657	0.671	6.5
3,3-Dichlorobenzidine		0.412	0.422	0.427	0.418	0.478	0.439	5.8
Benzo(a)anthracene		1.532	1.410	1.453	1.270	1.375	1.380	7.0
Chrysene		1.332	1.325	1.342	1.136	1.267	1.265	6.0
Bis(2-ethylhexyl)phthalate		0.882	0.903	0.956	0.785	0.831	0.851	7.9
Di-n-octyl phthalate		1.194	1.267	1.438	1.230	1.365	1.321	7.0
Benzo(b)fluoranthene		1.358	1.382	1.328	1.120	1.265	1.258	8.3
Benzo(k)fluoranthene		1.167	1.114	1.274	1.083	1.049	1.114	7.3
Benzo(a)pyrene		1.118	1.059	1.131	1.011	1.061	1.063	4.4
Indeno(1,2,3-cd)pyrene		1.217	1.268	1.337	1.257	1.348	1.291	3.7

All other compounds must meet a minimum RRF of 0.010.

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.966	1.001	1.101	1.016	1.087	1.039	4.7
Benzo(g,h,i)perylene		1.011	1.075	1.139	1.043	1.123	1.080	4.2
1,2,4,5-Tetrachlorobenzene		0.615	0.613	0.603	0.534	0.555	0.569	7.3
1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.573	5.2
2,3,4,6-Tetrachlorophenol		0.325	0.343	0.341	0.304	0.305	0.319	6.1

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF1412
97.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19
3)		Pyridine		1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46
4)		n-Nitrosodimet...		0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32
5)	S	2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03
6)		Aniline		1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93
7)	S	Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47
8)		2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24
9)		Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81
10)	C	Phenol		1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22
11)		bis(2-Chloroet...		1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93
12)		1,3-Dichlorobe...		1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49
13)	C	1,4-Dichlorobe...		1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66
14)		1,2-Dichlorobe...		1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46
15)		Benzyl Alcohol		1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72
16)		2,2'-oxybis(1-...		2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01
17)		2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62
18)		Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09
19)	P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)		3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06
23)	S	Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14
24)		Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14
25)		Isophorone		0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62
26)	C	2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66
27)		2,4-Dimethylph...		0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12
28)		bis(2-Chloroet...		0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70
29)	C	2,4-Dichloroph...		0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39
30)		1,2,4-Trichlor...		0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11
31)		Naphthalene		1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72
32)		Benzoic acid		0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59
33)		4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38
34)	C	Hexachlorobuta...		0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52
35)		Caprolactam		0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89
36)	C	4-Chloro-3-met...		0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71
37)		2-Methylnaphth...		0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68
38)		1-Methylnaphth...		0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25
41)	P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69
42)	S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98
43)	C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79
44)		2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50
45)	S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48
46)		1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27
47)		2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59
48)		2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91
49)		Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38
50)		Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34
51)		2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90
52)	C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46
53)		3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44
54)	P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81
55)		Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72
56)	P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21
57)		2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03
58)		Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96
59)		2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11
60)		Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32
61)		4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04
62)		4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45
63)		Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29
66)	c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89
67)		4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57
68)		Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07
69)		Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86
70)	C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08
71)		Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96
72)		Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00
73)		Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04
74)		Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65
75)	C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34
78)		Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14
79)	S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68
80)		Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49
81)		Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96
82)		3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82
83)		Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98
84)		Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93
85)	c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291	3.67
88)		Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258	8.33
89)		Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114	7.32
90)	C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063	4.44
91)		Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039	4.73
92)		Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080	4.22

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
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...	7.198	70	18566	2.764	ng	99

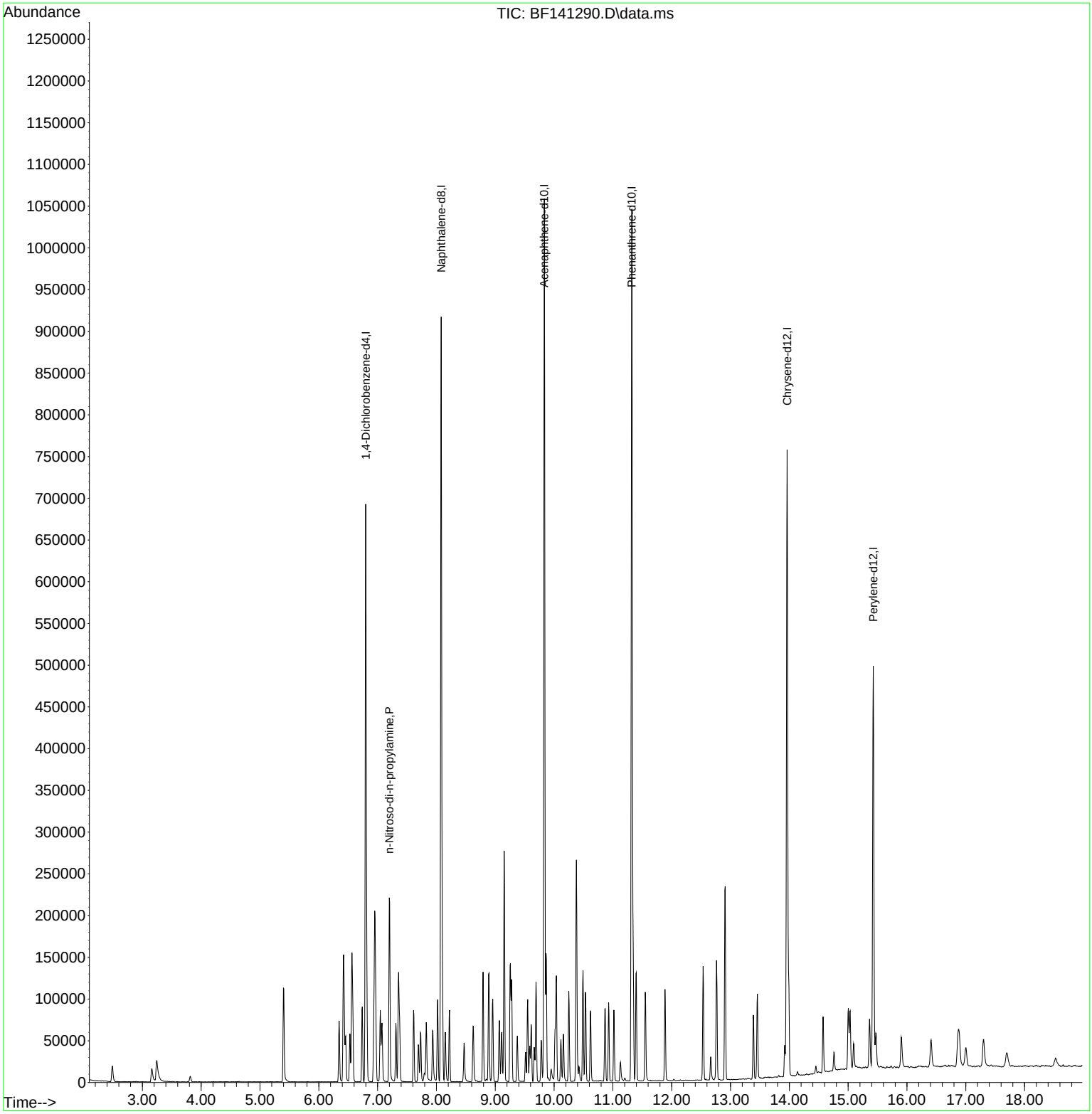
(#) = qualifier out of range (m) = manual integration (+) = signals summed

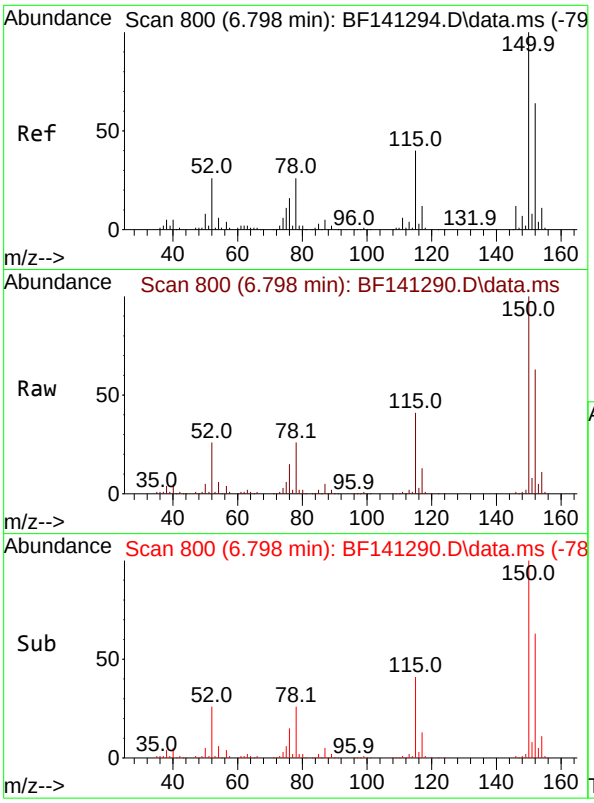
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



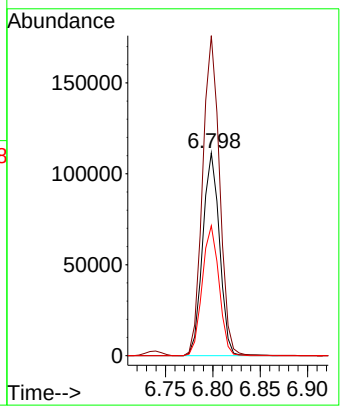


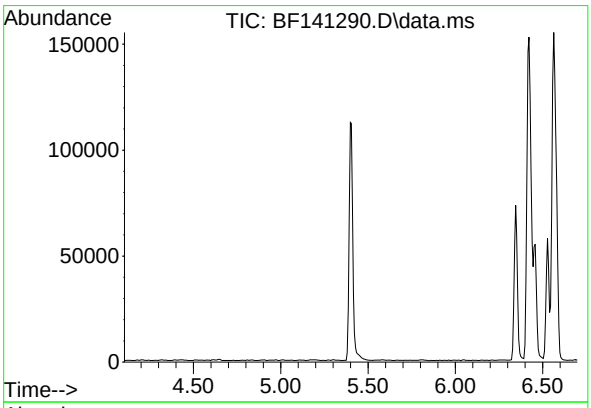
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 137039

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	64.0	49.7	74.5



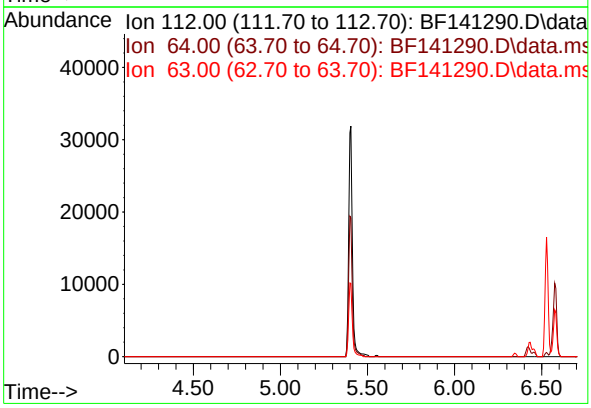


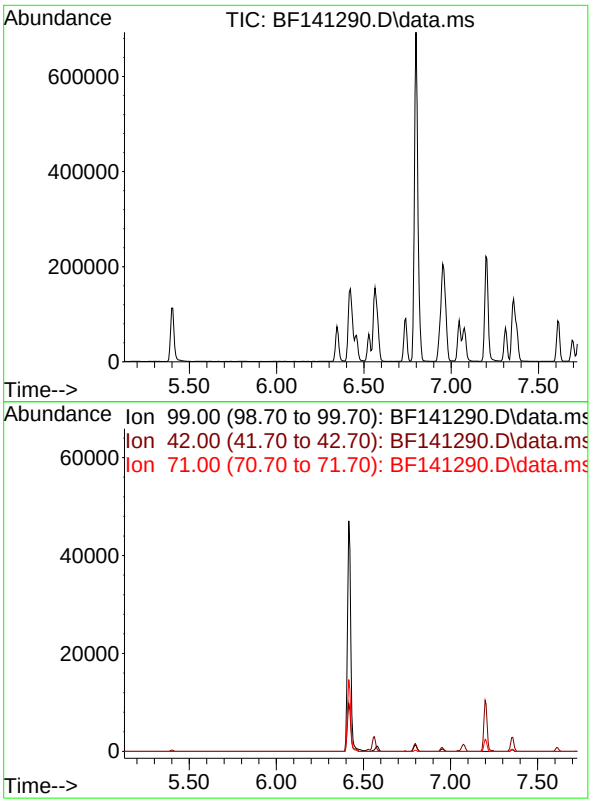
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	32.6





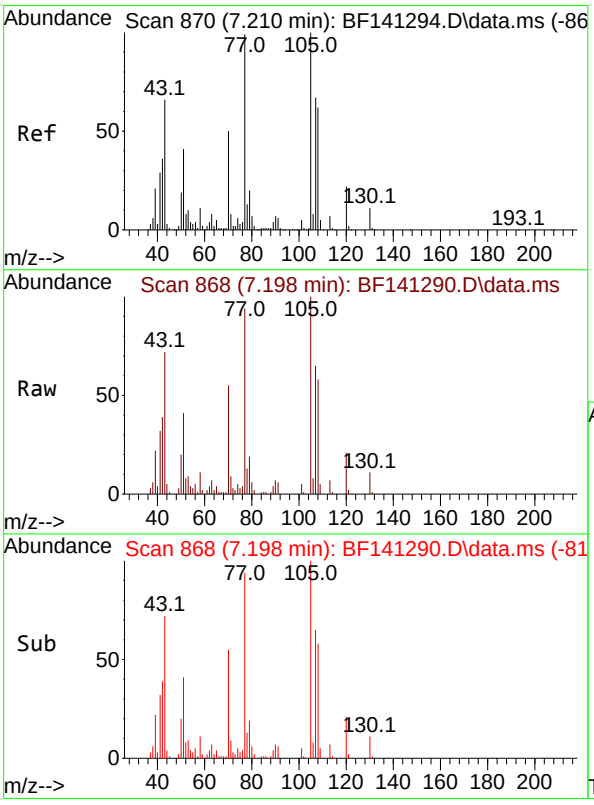
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.43 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

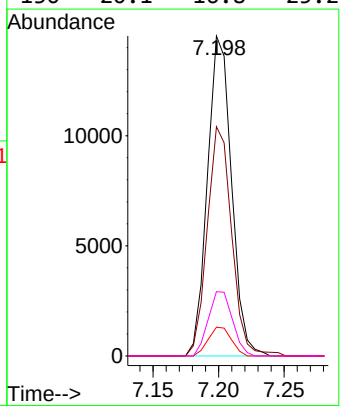
Sig	Exp Ratio
99	100
42	21.4
71	33.6

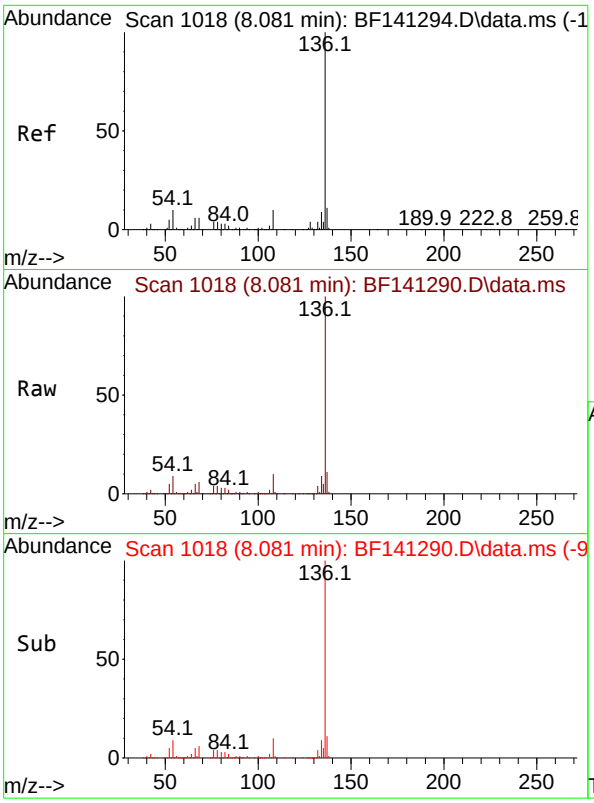


#19
n-Nitroso-di-n-propylamine
Concen: 2.764 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

Ion	Ratio	Lower	Upper
70	100		
42	71.6	56.8	85.2
101	9.0	7.7	11.5
130	20.1	16.8	25.2



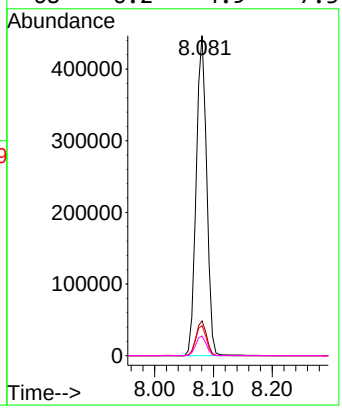


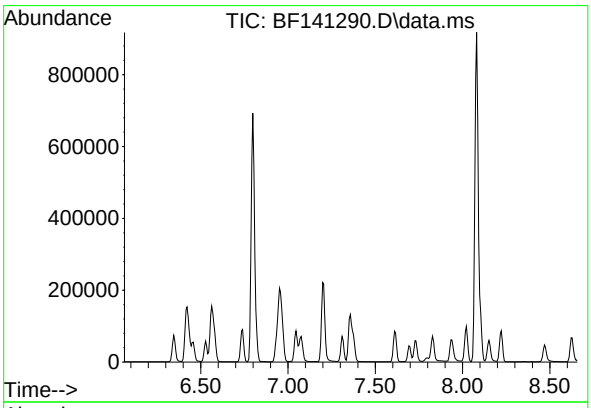
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 552749

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.4	7.8	11.8
68	6.2	4.9	7.3



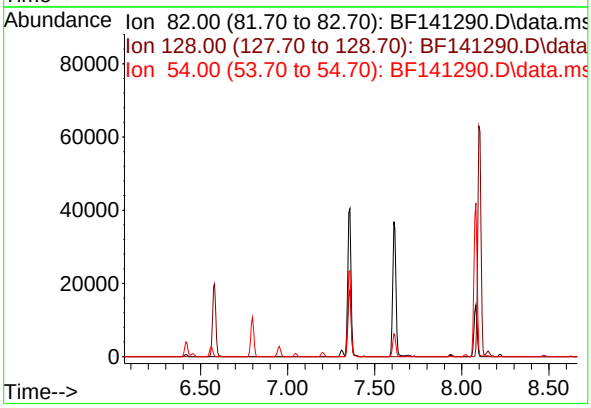


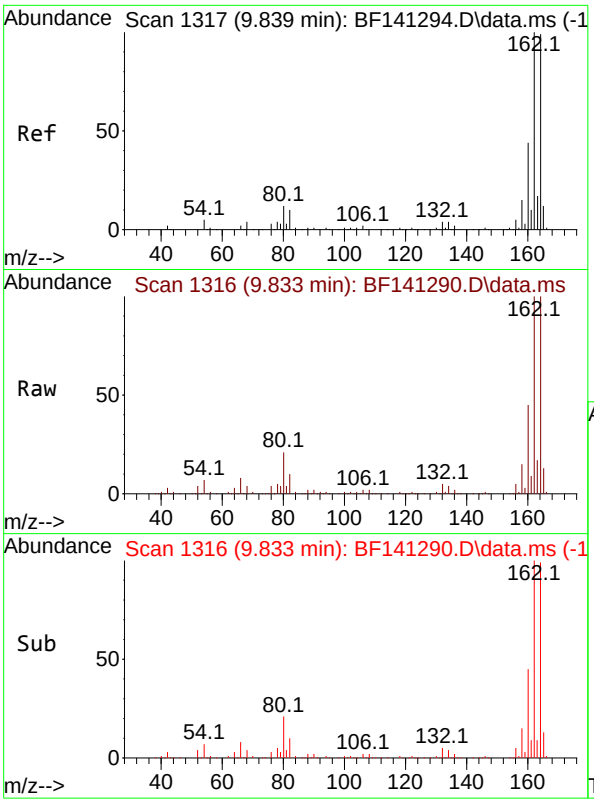
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.6
54	58.9



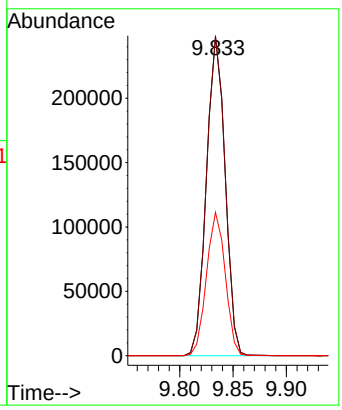


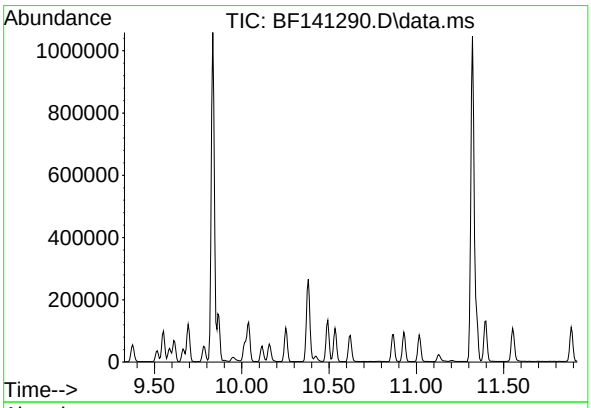
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 301993

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



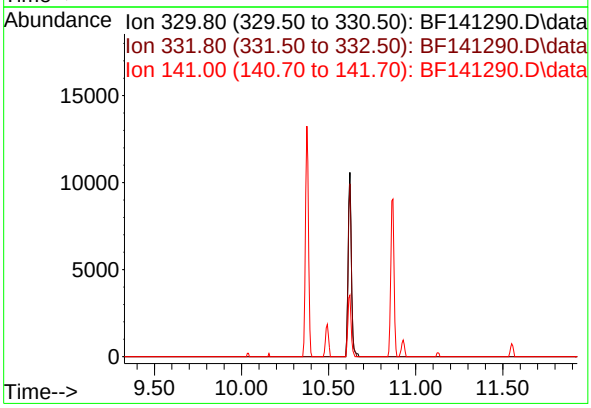


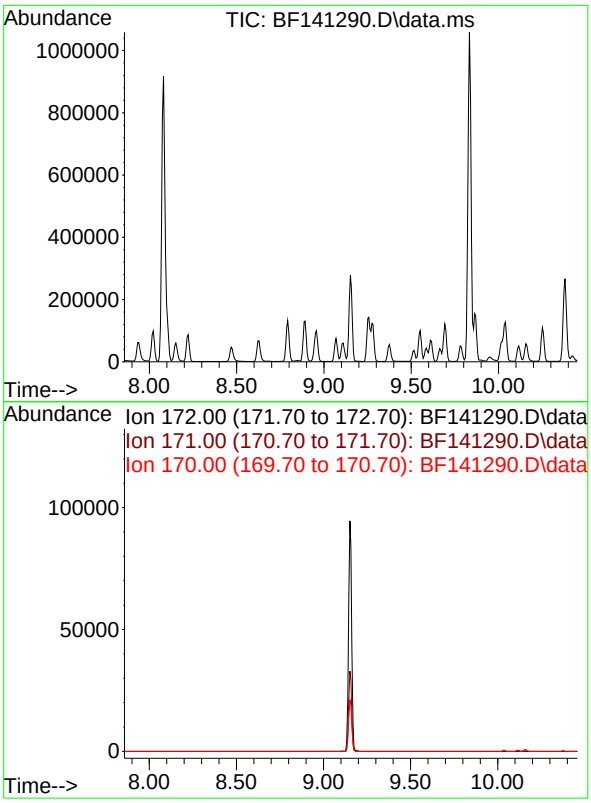
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.1
141	36.0





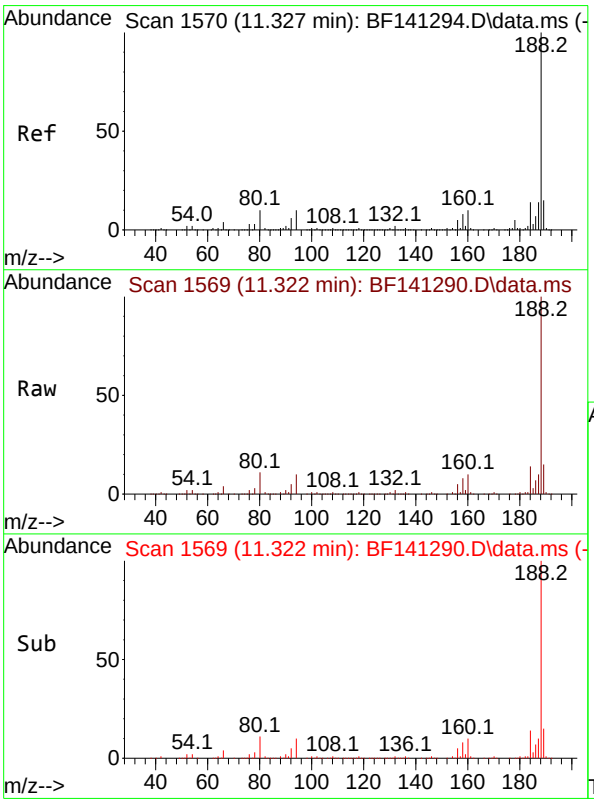
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

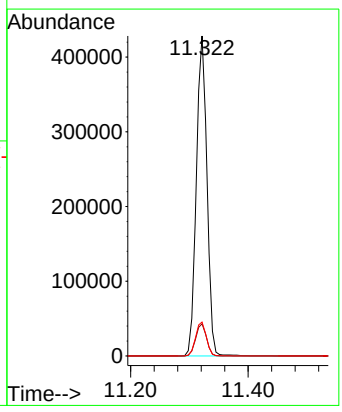
Sig	Exp Ratio
172	100
171	36.0
170	23.8

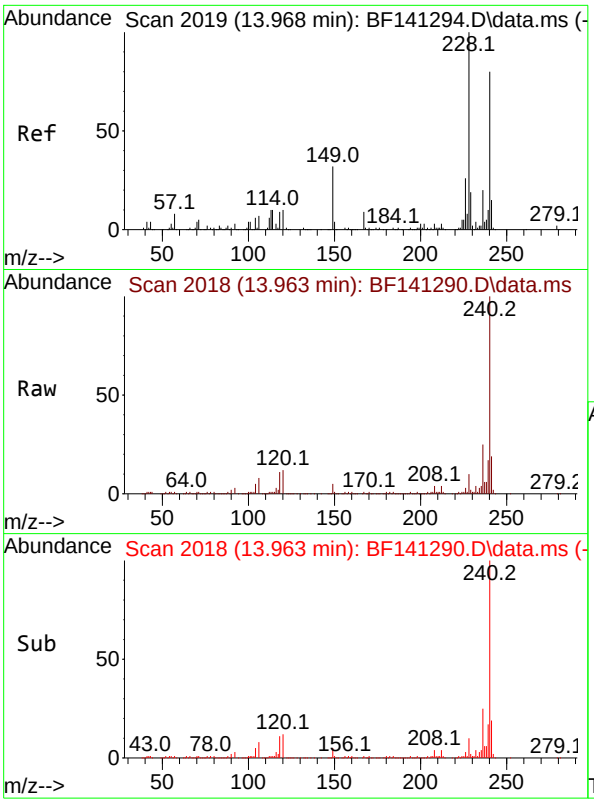


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion:188 Resp: 536934

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.6	8.2	12.4



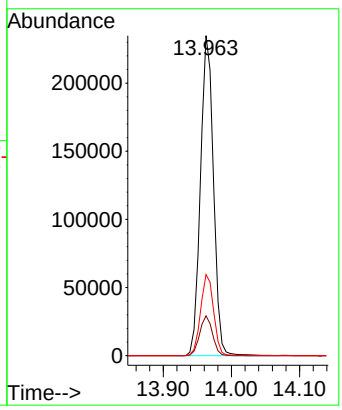


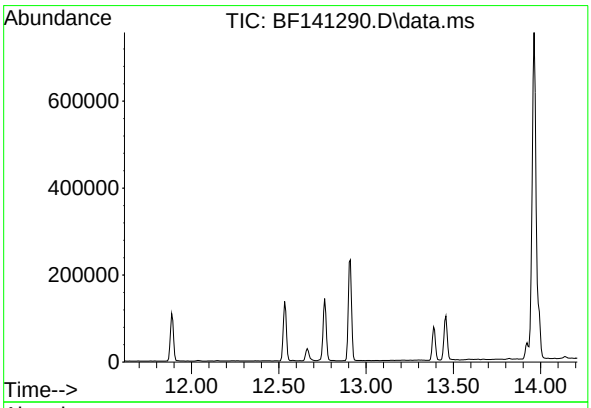
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 311885

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	25.3	19.7	29.5



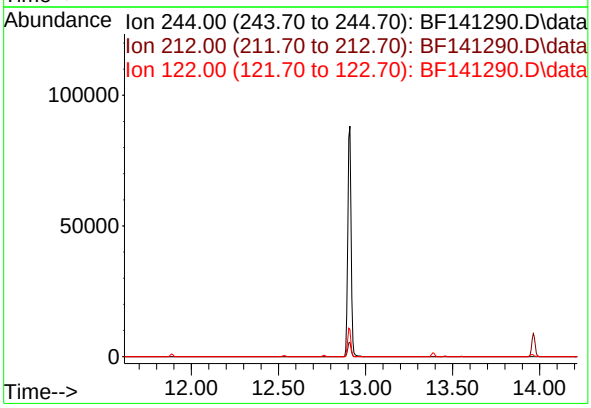


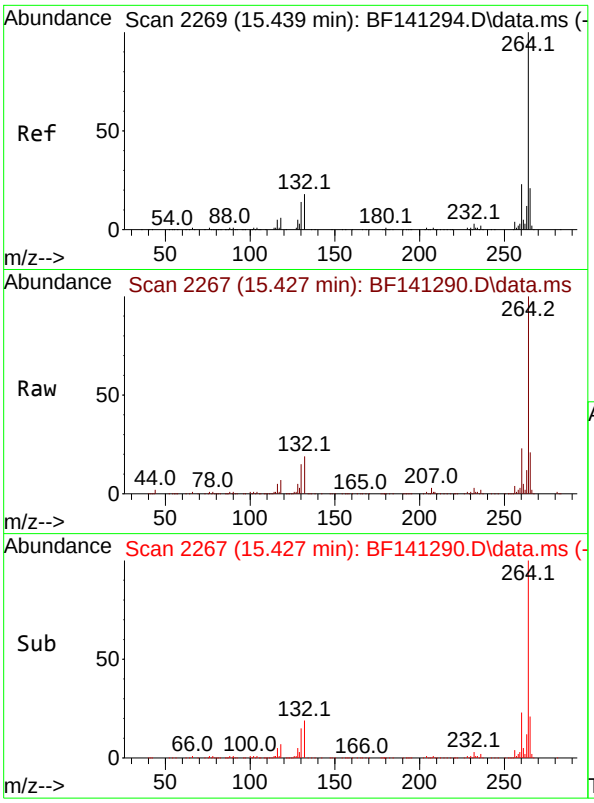
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.92 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	11.0



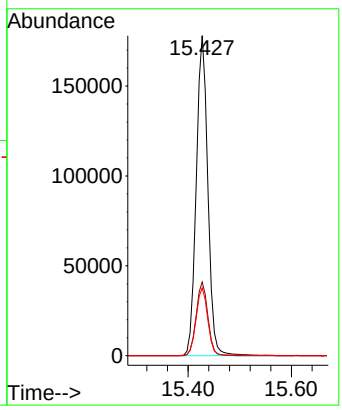


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 276754

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	16.7	25.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.799	152	134200	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	531551	20.000	ng		0.00
39) Acenaphthene-d10	9.834	164	281034	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	497368	20.000	ng		0.00
76) Chrysene-d12	13.963	240	288657	20.000	ng		0.00
86) Perylene-d12	15.427	264	273117	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	95839	11.044	ng		0.00
7) Phenol-d6	6.416	99	123556	11.172	ng		-0.01
23) Nitrobenzene-d5	7.357	82	107680	10.719	ng		0.00
42) 2,4,6-Tribromophenol	10.622	330	27799	10.855	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	224446	12.320	ng		0.00
79) Terphenyl-d14	12.910	244	222747	11.874	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	20141	5.229	ng		99
3) Pyridine	3.234	79	45762	4.967	ng		97
4) n-Nitrosodimethylamine	3.158	42	25819	4.894	ng	#	96
6) Aniline	6.457	93	49669	5.373	ng		99
8) 2-Chlorophenol	6.581	128	51505	5.527	ng		96
9) Benzaldehyde	6.346	77	39117	6.090	ng		97
10) Phenol	6.434	94	65035	5.558	ng		93
11) bis(2-Chloroethyl)ether	6.528	93	49579	5.510	ng		98
12) 1,3-Dichlorobenzene	6.740	146	56929	5.539	ng		99
13) 1,4-Dichlorobenzene	6.816	146	57684	5.573	ng		99
14) 1,2-Dichlorobenzene	6.969	146	54653	5.650	ng		98
15) Benzyl Alcohol	6.934	79	38176	5.053	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.075	45	84988	5.436	ng		100
17) 2-Methylphenol	7.046	107	41498	5.500	ng		99
18) Hexachloroethane	7.310	117	20418	5.332	ng		95
19) n-Nitroso-di-n-propyla...	7.198	70	35278	5.363	ng		100
20) 3+4-Methylphenols	7.198	107	52364	5.645	ng	#	90
22) Acetophenone	7.204	105	72756	5.774	ng		98
24) Nitrobenzene	7.375	77	55610	5.337	ng		99
25) Isophorone	7.610	82	92818	5.346	ng		98
26) 2-Nitrophenol	7.693	139	23372	4.789	ng		97
27) 2,4-Dimethylphenol	7.728	122	32462	5.205	ng		99
28) bis(2-Chloroethoxy)met...	7.828	93	60286	5.449	ng		98
29) 2,4-Dichlorophenol	7.934	162	40847	5.360	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	49479	5.661	ng		96
31) Naphthalene	8.098	128	158560	5.672	ng		99
32) Benzoic acid	7.793	122	18585	3.281	ng		93
33) 4-Chloroaniline	8.151	127	50760	5.405	ng		97
34) Hexachlorobutadiene	8.222	225	27720	5.419	ng		99
35) Caprolactam	8.475	113	12827	5.204	ng		94
36) 4-Chloro-3-methylphenol	8.622	107	43627	5.334	ng		97
37) 2-Methylnaphthalene	8.793	142	100305	5.634	ng		98
38) 1-Methylnaphthalene	8.893	142	100569	5.767	ng		99
40) 1,2,4,5-Tetrachloroben...	8.957	216	43228	5.410	ng		97
41) Hexachlorocyclopentadiene	8.945	237	9555	3.985	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	26790	5.136	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

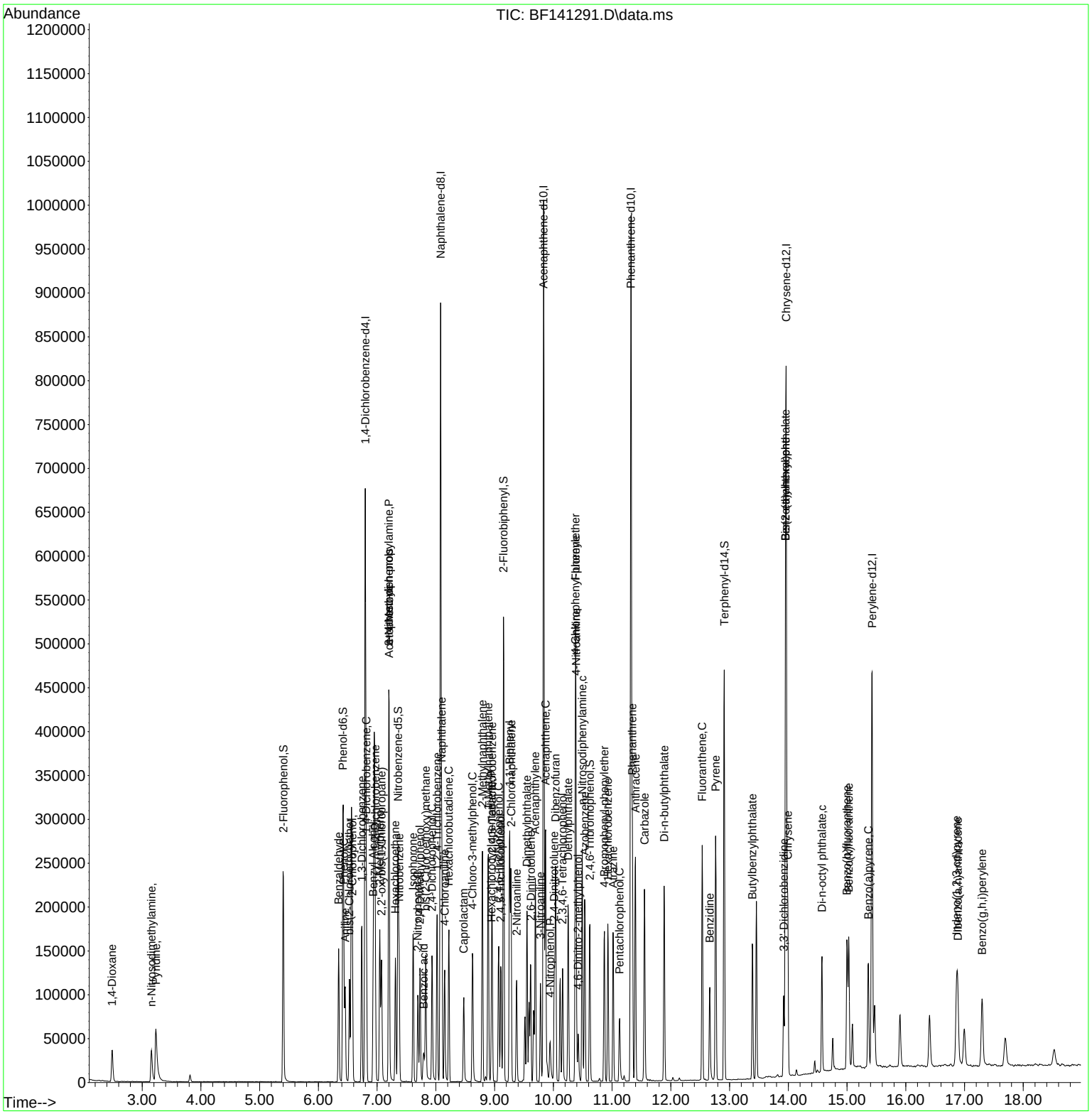
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	9.551	163	105240	5.584	ng	99
51) 2,6-Dinitrotoluene	9.616	165	23372	5.329	ng	95
52) Acenaphthene	9.869	154	95591	5.617	ng	100
53) 3-Nitroaniline	9.781	138	22582	5.206	ng	91
55) Dibenzofuran	10.039	168	131288	5.769	ng	98
56) 4-Nitrophenol	9.945	139	13160	4.226	ng	89
57) 2,4-Dinitrotoluene	10.016	165	29799	5.268	ng	98
58) Fluorene	10.381	166	106198	6.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22818	5.090	ng	96
60) Diethylphthalate	10.251	149	103307	5.660	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	51875	6.007	ng	98
62) 4-Nitroaniline	10.387	138	20870	5.008	ng	95
63) Azobenzene	10.534	77	102878	5.623	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	9960	3.353	ng	92
66) n-Nitrosodiphenylamine	10.492	169	89060	5.523	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	29160	5.245	ng	94
68) Hexachlorobenzene	10.928	284	31990	5.424	ng	98
69) Atrazine	11.016	200	26258	4.855	ng	97
70) Pentachlorophenol	11.128	266	13924	4.027	ng	96
71) Phenanthrene	11.345	178	153320	5.738	ng	99
72) Anthracene	11.398	178	146593	5.625	ng	99
73) Carbazole	11.551	167	126760	5.491	ng	99
74) Di-n-butylphthalate	11.886	149	154718	5.560	ng	100
75) Fluoranthene	12.533	202	148553	5.696	ng	99
77) Benzidine	12.663	184	63661	7.253	ng	98
78) Pyrene	12.763	202	157175	5.639	ng	99
80) Butylbenzylphthalate	13.386	149	49477	5.140	ng	99
81) Benzo(a)anthracene	13.951	228	110559	5.588	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	29754	4.803	ng	100
83) Chrysene	13.992	228	96099	5.238	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	63638	5.269	ng	98
85) Di-n-octyl phthalate	14.574	149	86163	4.560	ng	98
87) Indeno(1,2,3-cd)pyrene	16.863	276	83074	4.657	ng	99
88) Benzo(b)fluoranthene	14.998	252	92690	5.465	ng	99
89) Benzo(k)fluoranthene	15.027	252	79701	5.247	ng	99
90) Benzo(a)pyrene	15.363	252	76368	5.268	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	65991	4.615	ng	99
92) Benzo(g,h,i)perylene	17.298	276	69049	4.591	ng	97

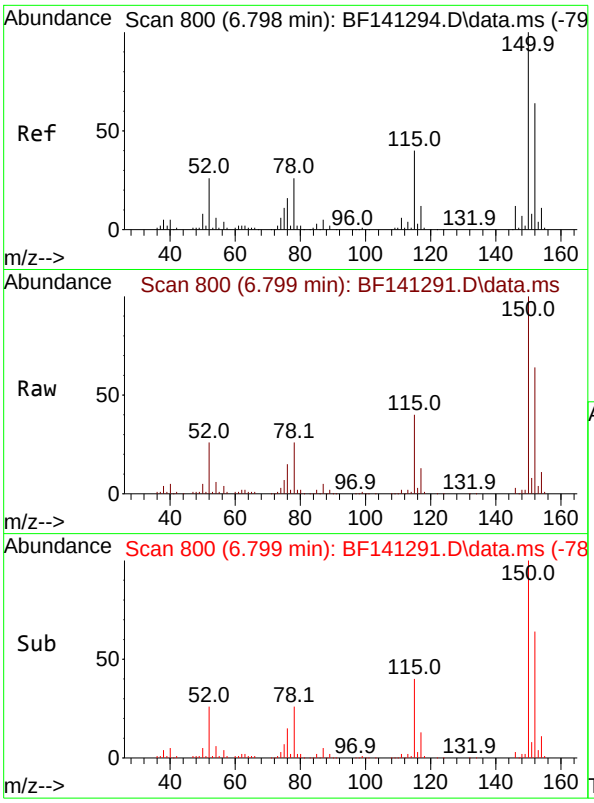
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



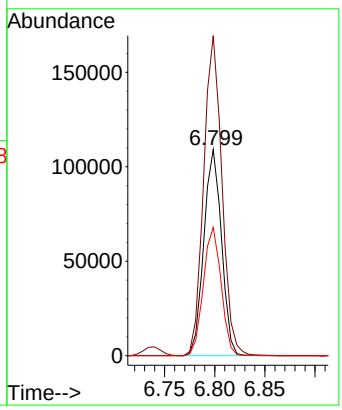


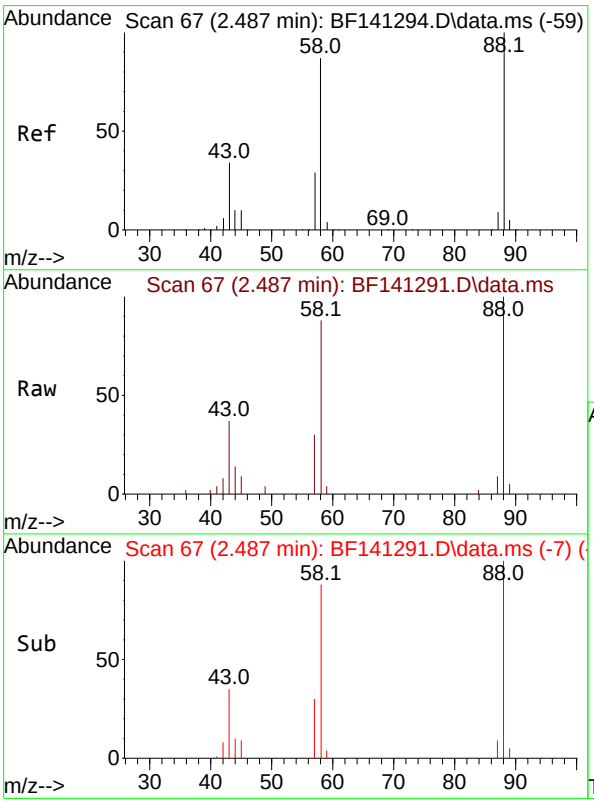
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 134200

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	62.2	49.7	74.5

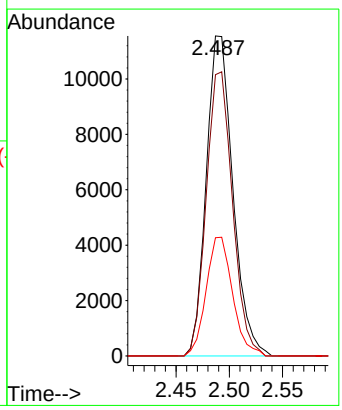


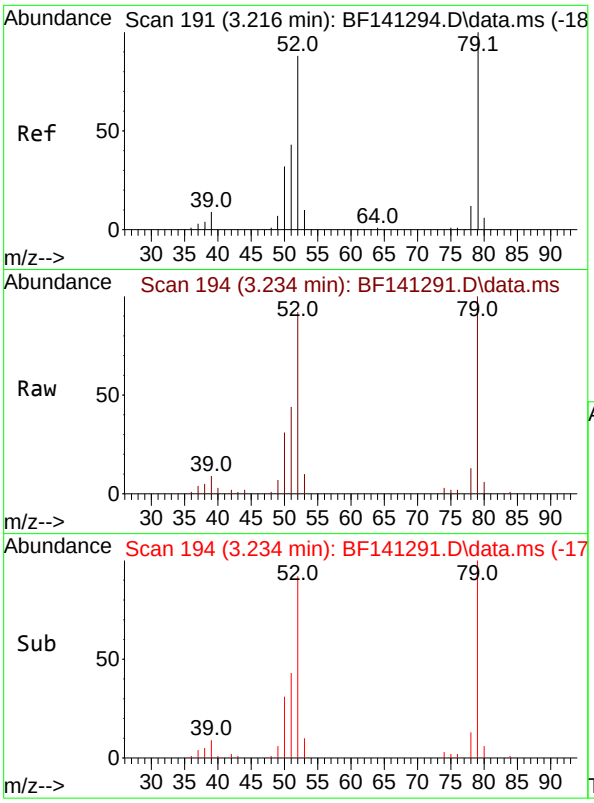


#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	36.8	27.6	41.4



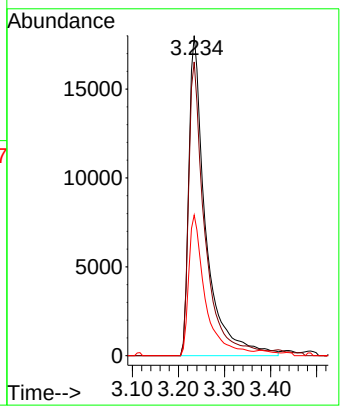


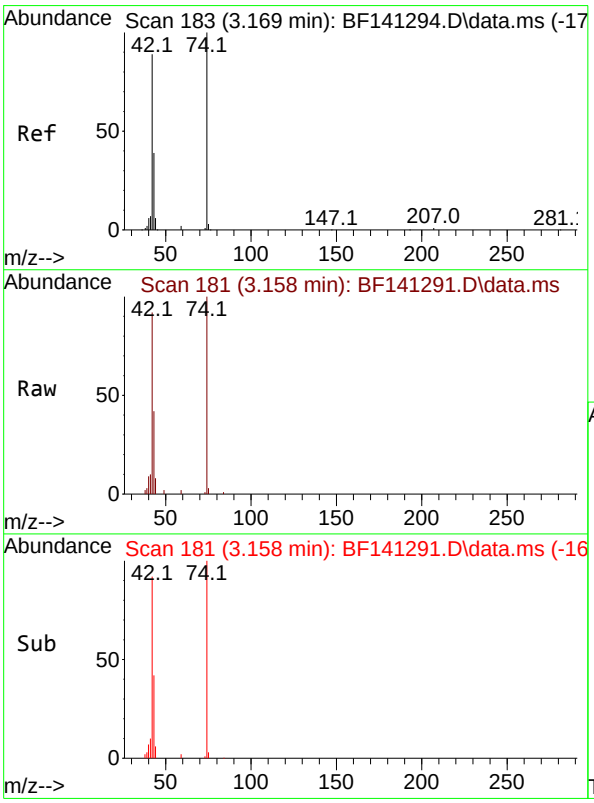
#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 45762

Ion	Ratio	Lower	Upper
79	100		
52	91.8	70.3	105.5
51	43.9	34.3	51.5

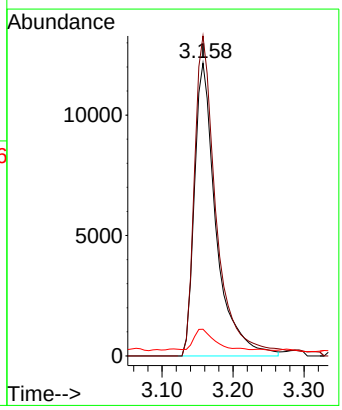


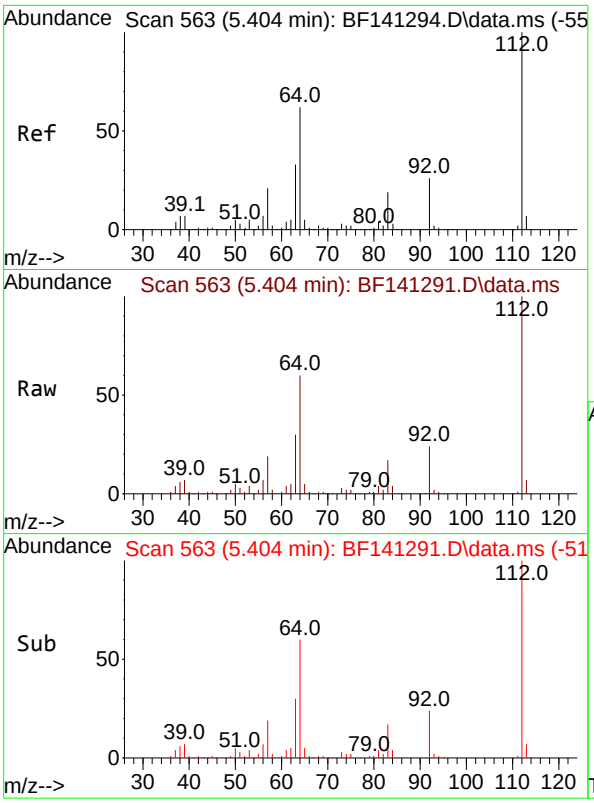


#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 42 Resp: 25819

Ion	Ratio	Lower	Upper
42	100		
74	109.3	90.3	135.5
44	9.1	5.7	8.5#



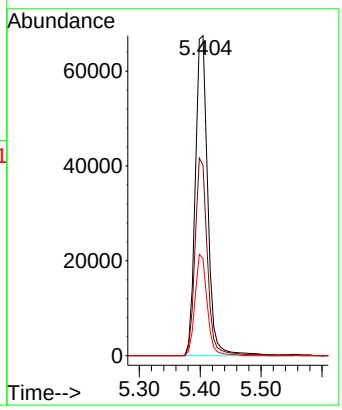


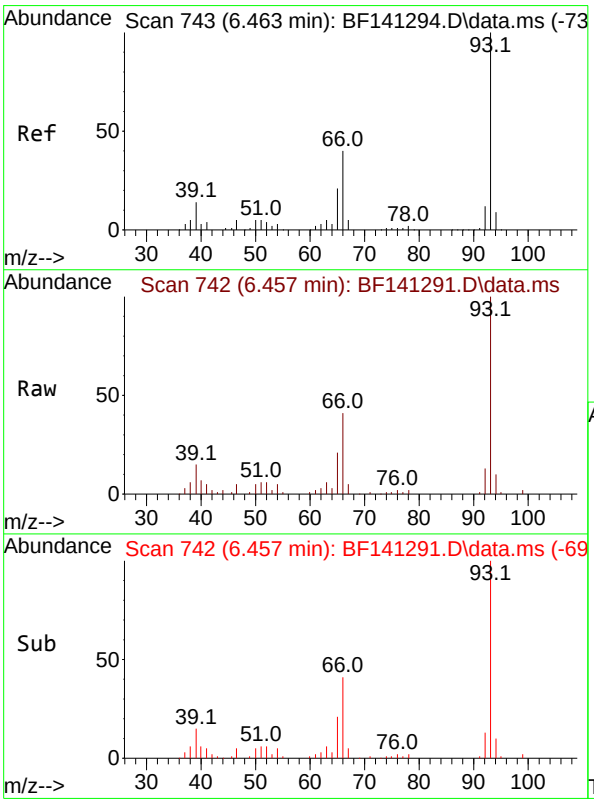
#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 95839

Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.8	74.8
63	30.2	26.1	39.1

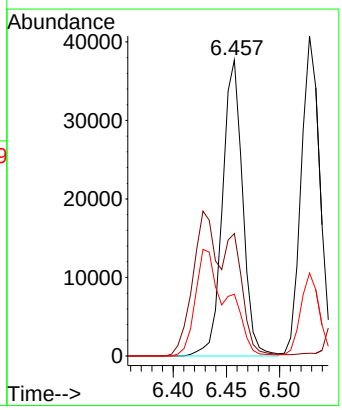


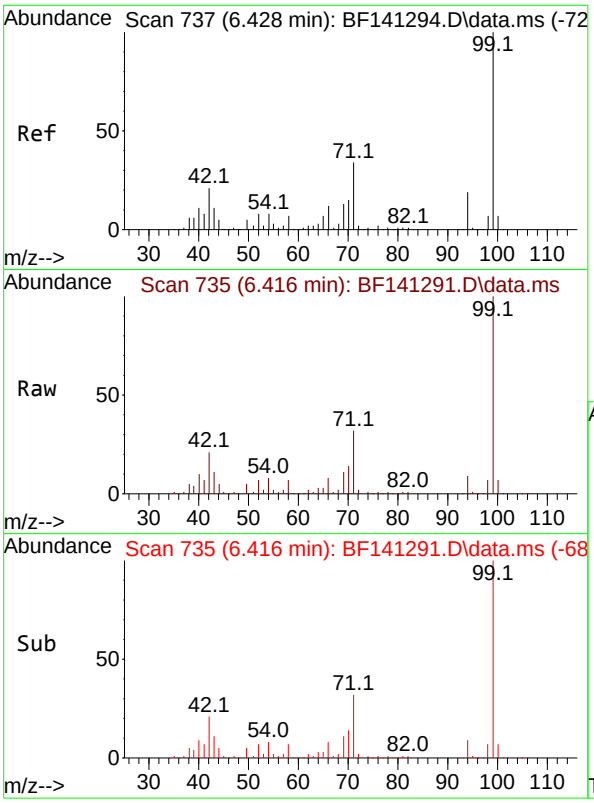


#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669

Ion	Ratio	Lower	Upper
93	100		
66	41.4	32.5	48.7
65	20.9	17.0	25.6



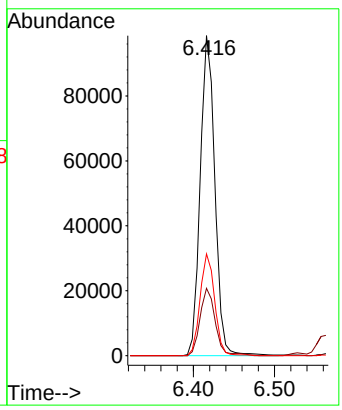


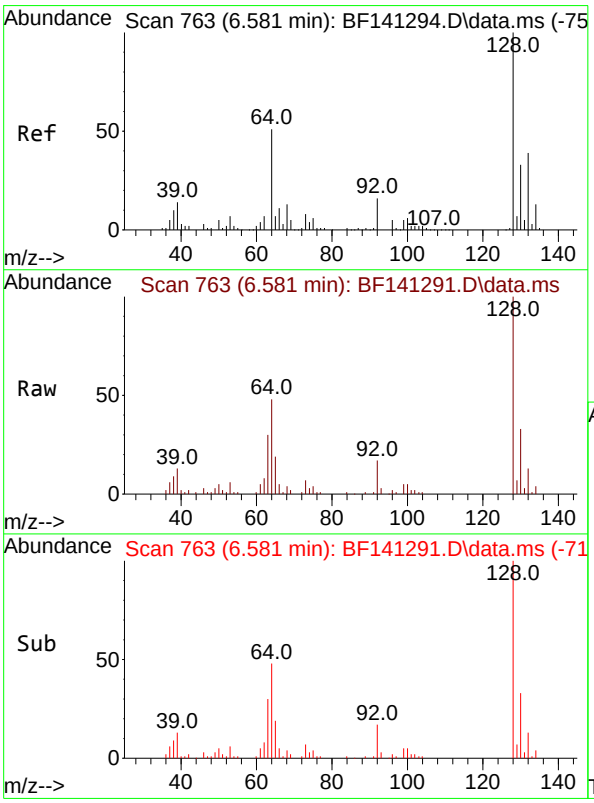
#7
Phenol-d6
Concen: 11.172 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 123556

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	31.8	26.9	40.3

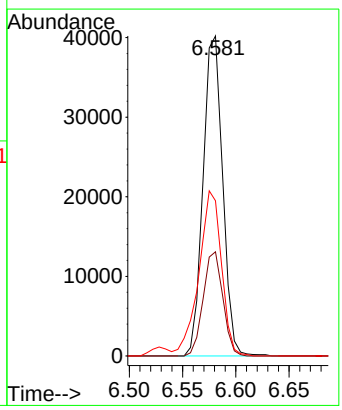


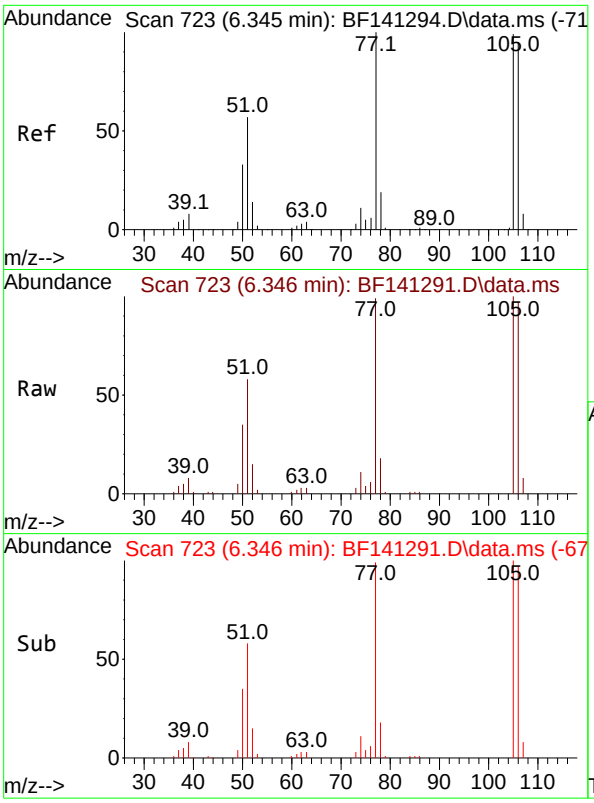


#8
2-Chlorophenol
Concen: 5.527 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:128 Resp: 51505

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	48.5	32.9	72.9



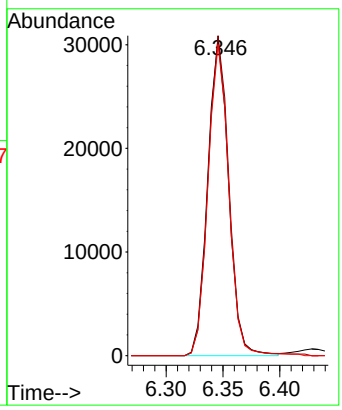


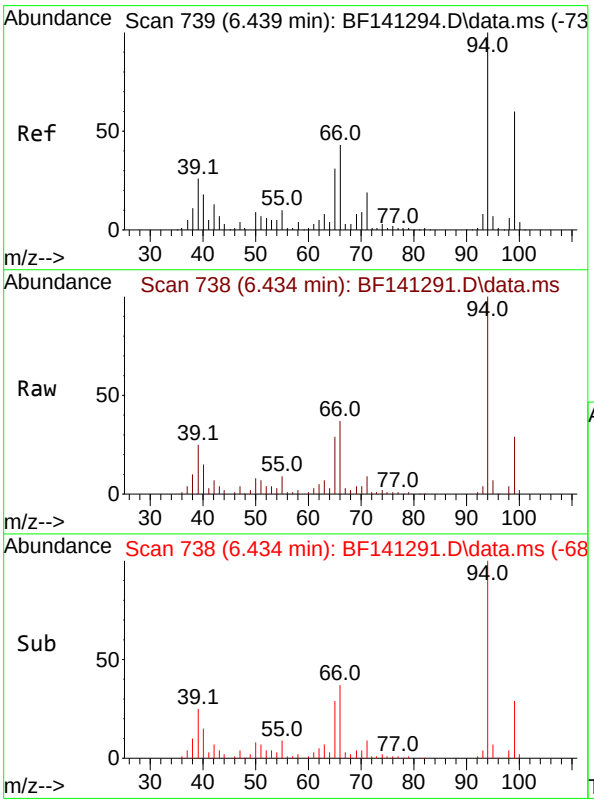
#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 39117

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	98.1	74.6	114.6

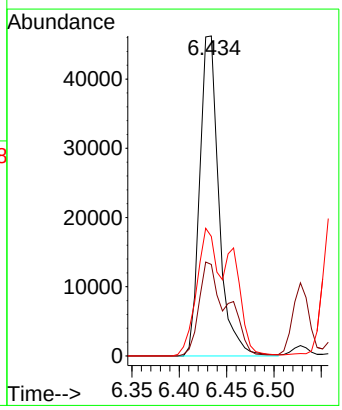


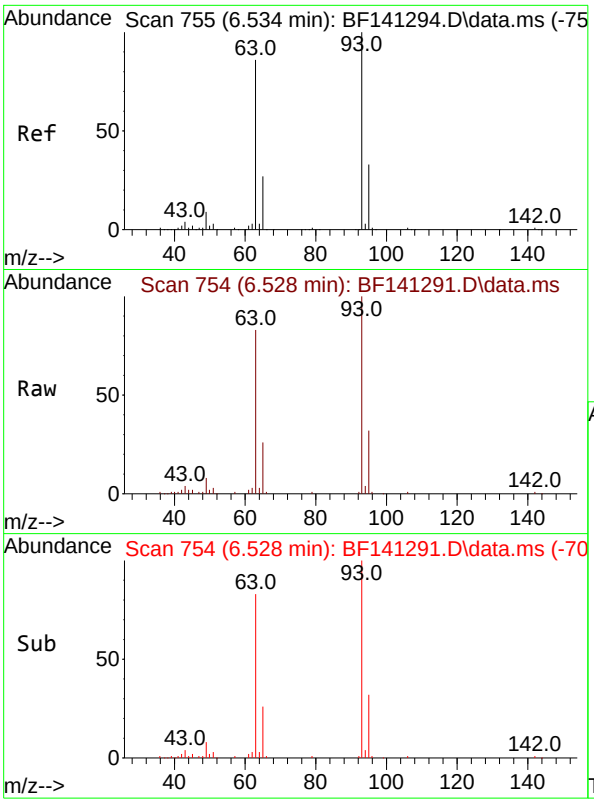


#10
Phenol
Concen: 5.558 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 94 Resp: 65035

Ion	Ratio	Lower	Upper
94	100		
65	28.6	10.8	50.8
66	37.4	23.3	63.3



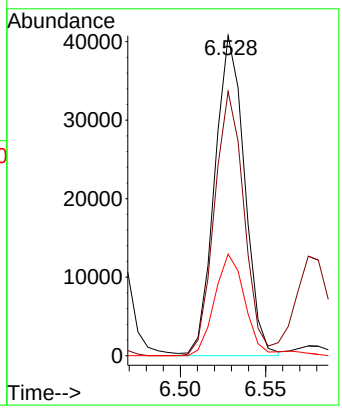


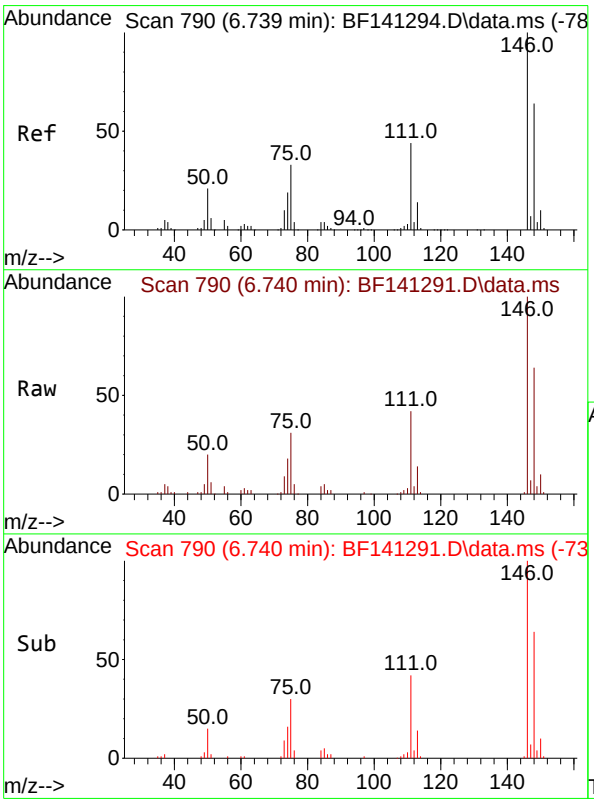
#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 49579

Ion	Ratio	Lower	Upper
93	100		
63	82.6	65.0	105.0
95	31.7	12.4	52.4

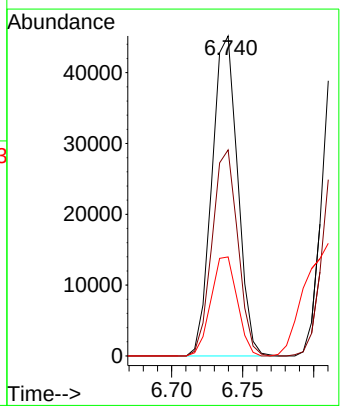


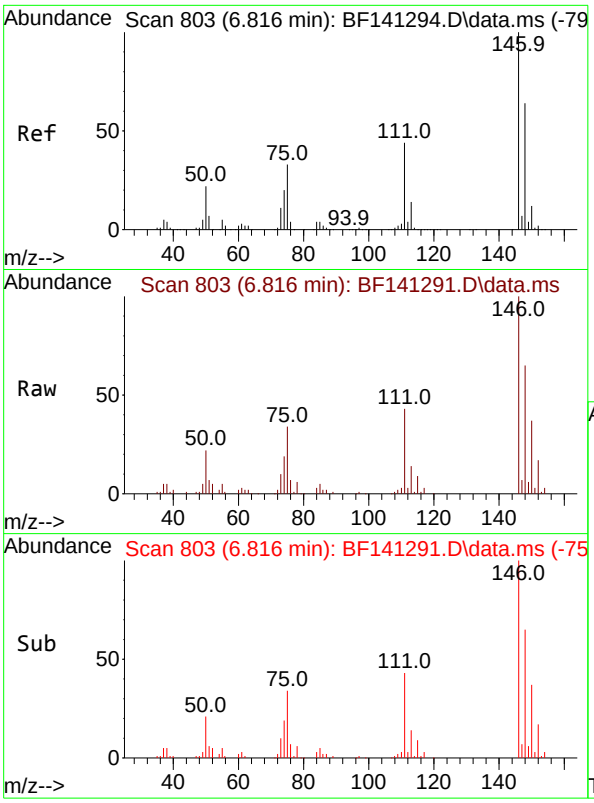


#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 56929

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	30.9	26.2	39.4



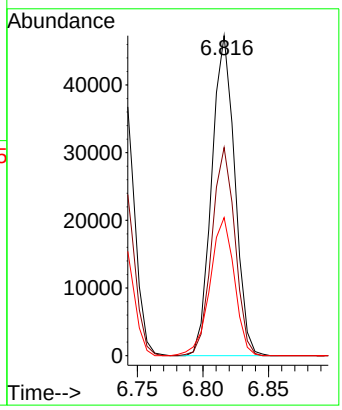


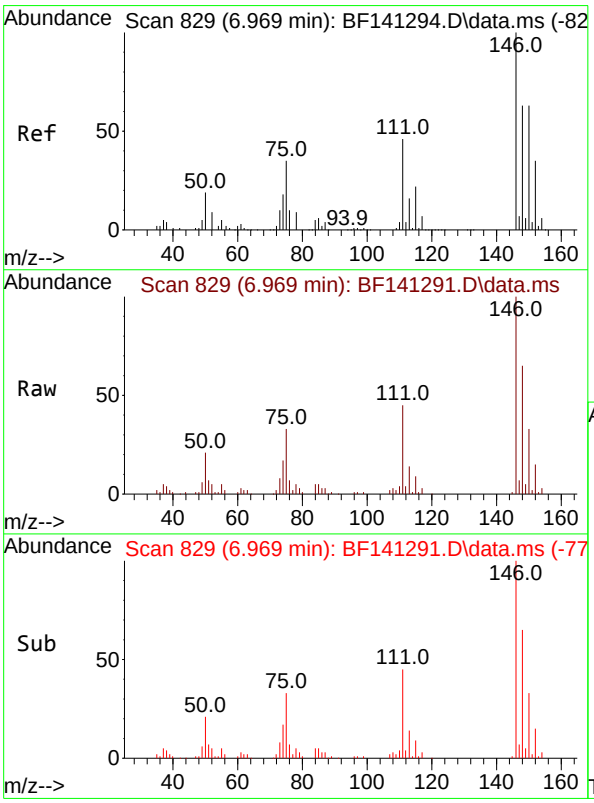
#13
1,4-Dichlorobenzene
Concen: 5.573 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 57684

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.2	76.8
111	43.2	35.0	52.4

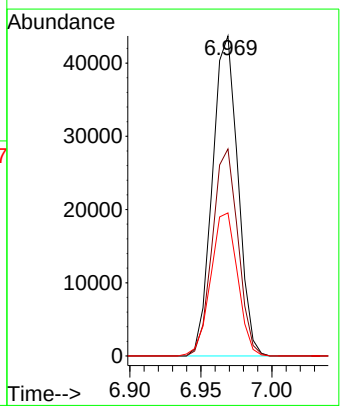


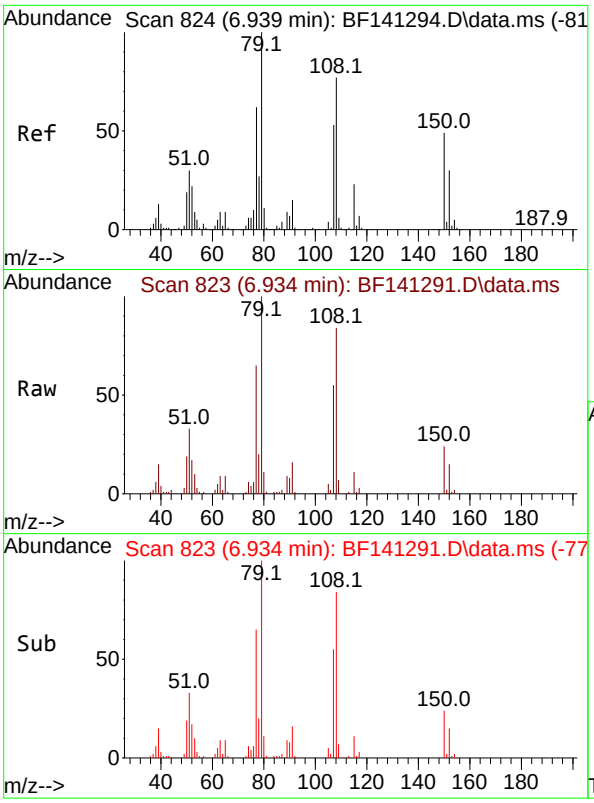


#14
1,2-Dichlorobenzene
Concen: 5.650 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 54653

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
111	44.7	36.6	55.0



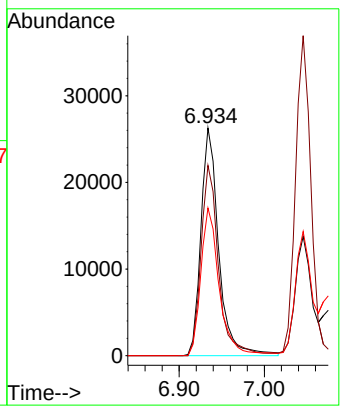


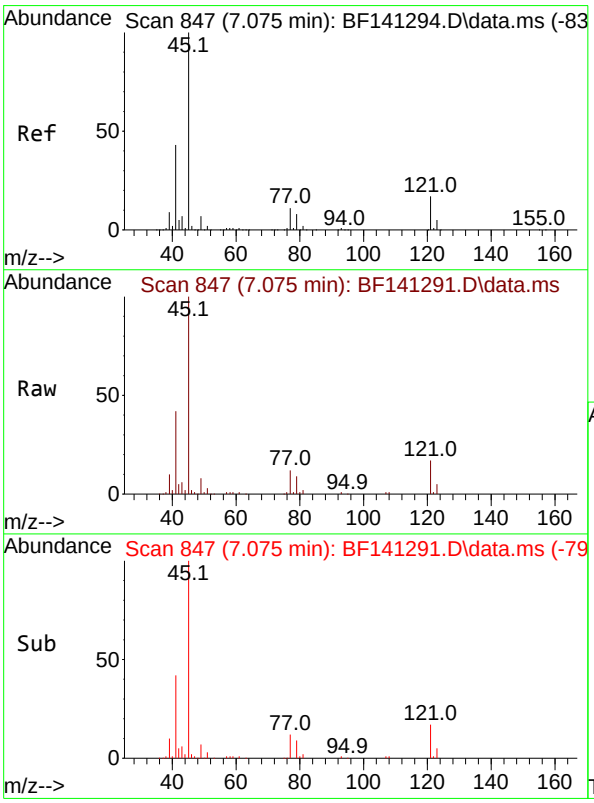
#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 38176

Ion	Ratio	Lower	Upper
79	100		
108	83.6	61.4	92.0
77	64.8	49.9	74.9

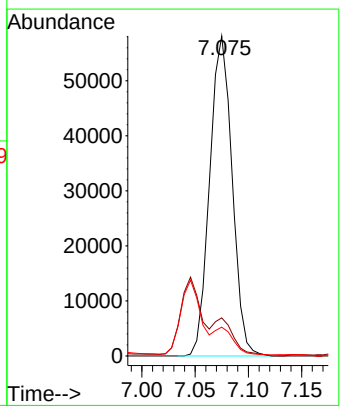


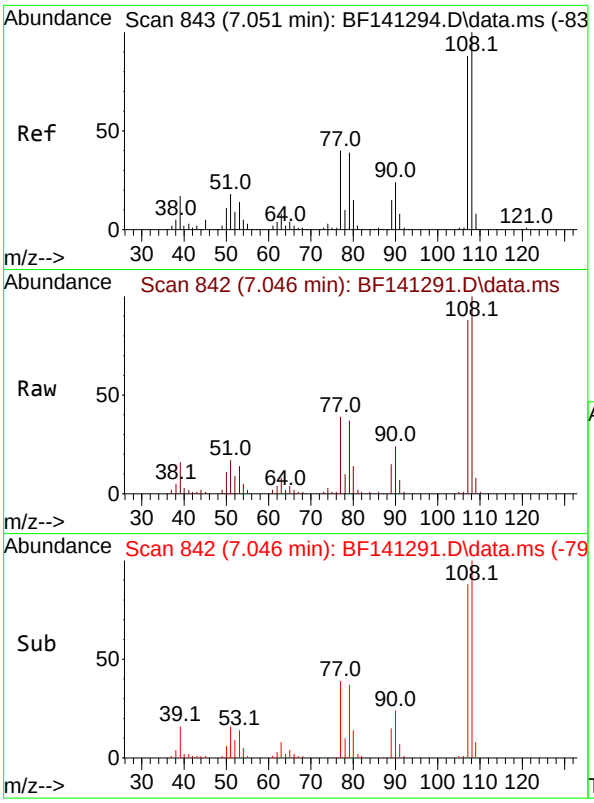


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.436 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 45 Resp: 84988

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.0	0.0	29.1



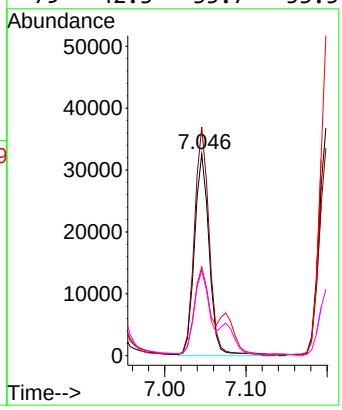


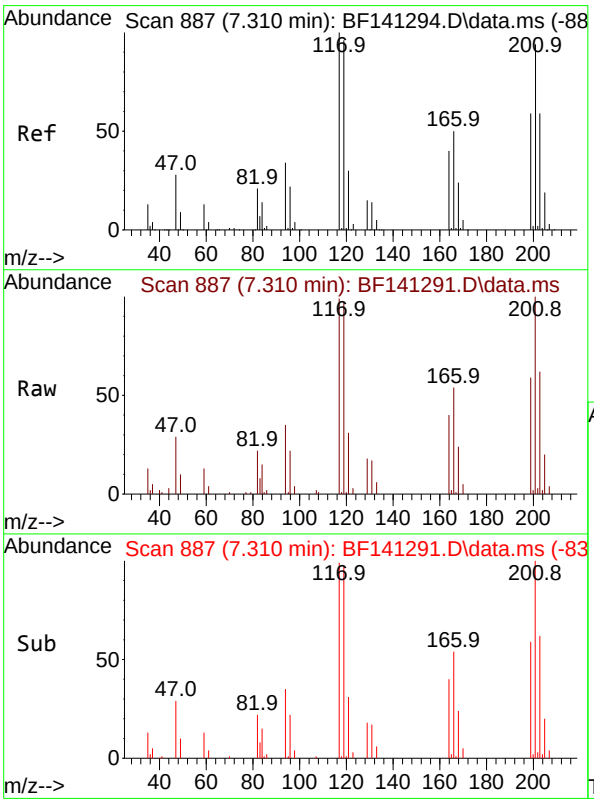
#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 41498

Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5

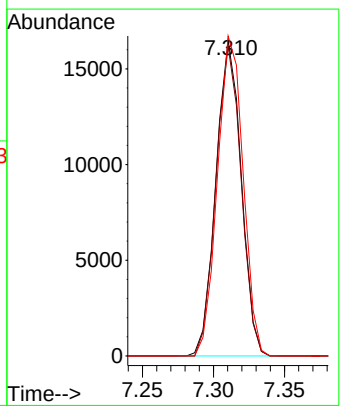


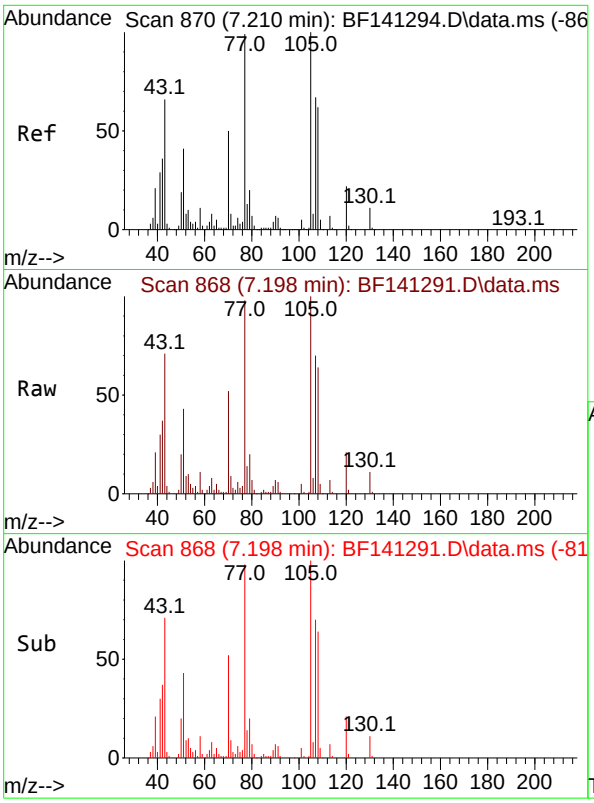


#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:117 Resp: 20418

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.6	114.8
201	101.4	74.8	112.2



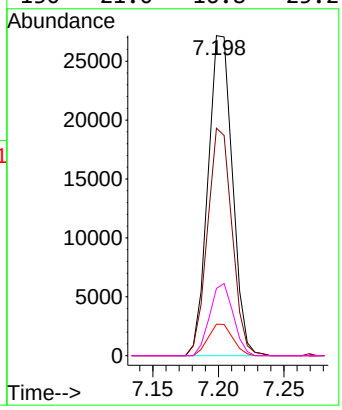


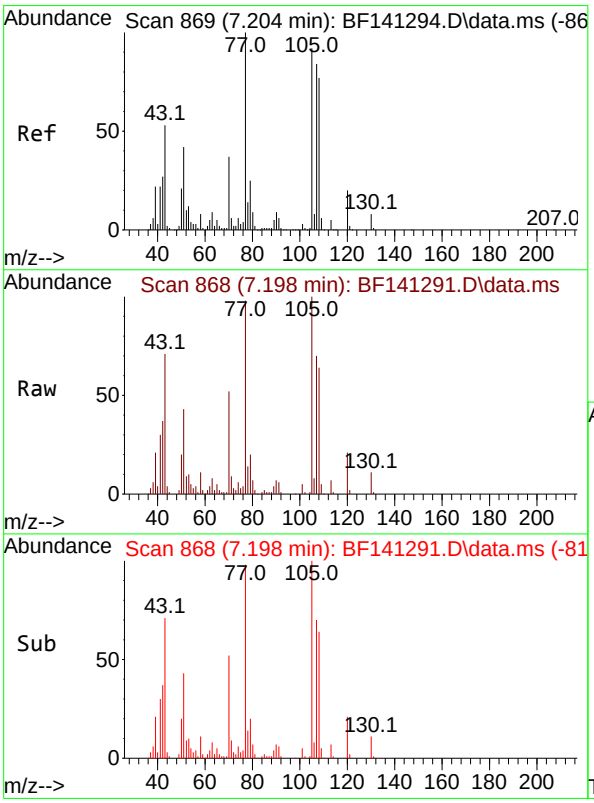
#19
n-Nitroso-di-n-propylamine
Concen: 5.363 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 35278

Ion	Ratio	Lower	Upper
70	100		
42	71.1	56.8	85.2
101	9.9	7.7	11.5
130	21.0	16.8	25.2

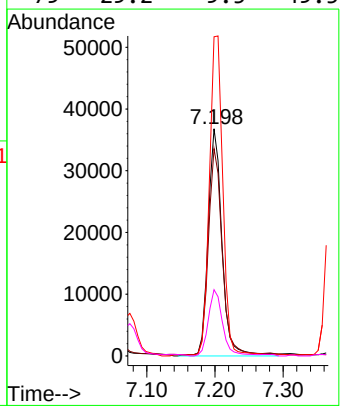


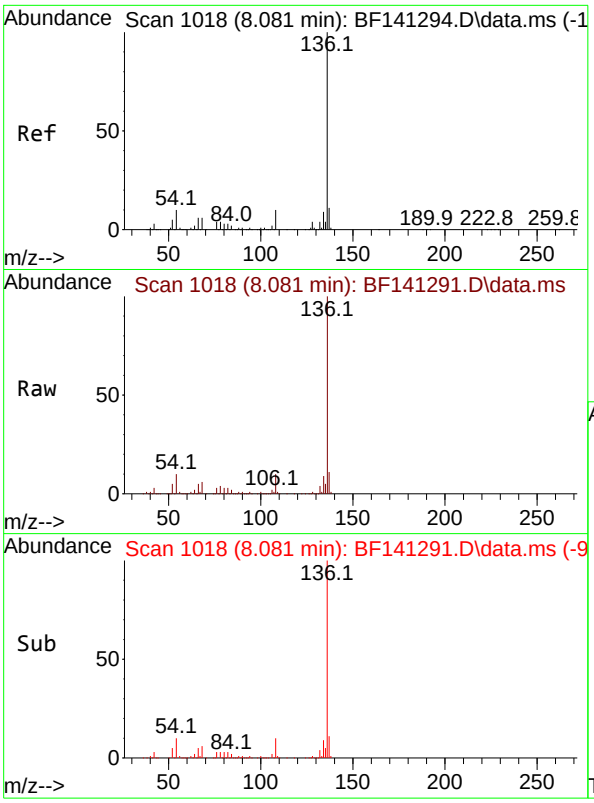


#20
3+4-Methylphenols
Concen: 5.645 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 52364

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.9	110.9
77	140.5	98.5	138.5#
79	29.2	9.5	49.5



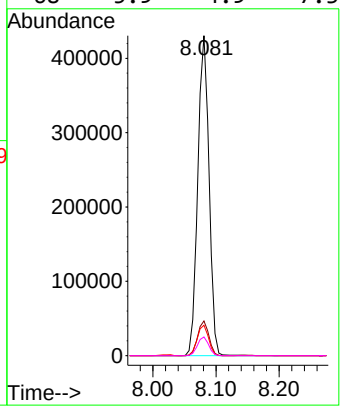


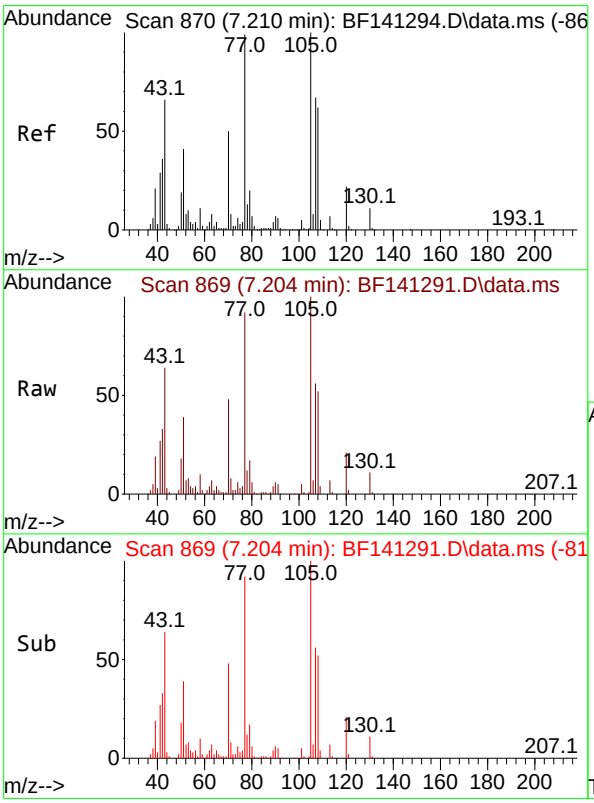
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 531551

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3

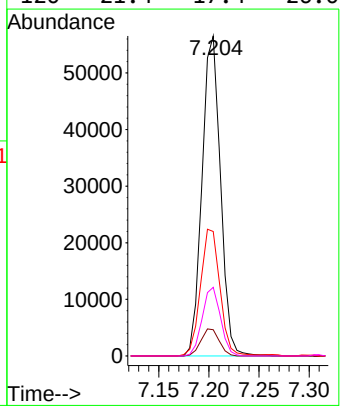


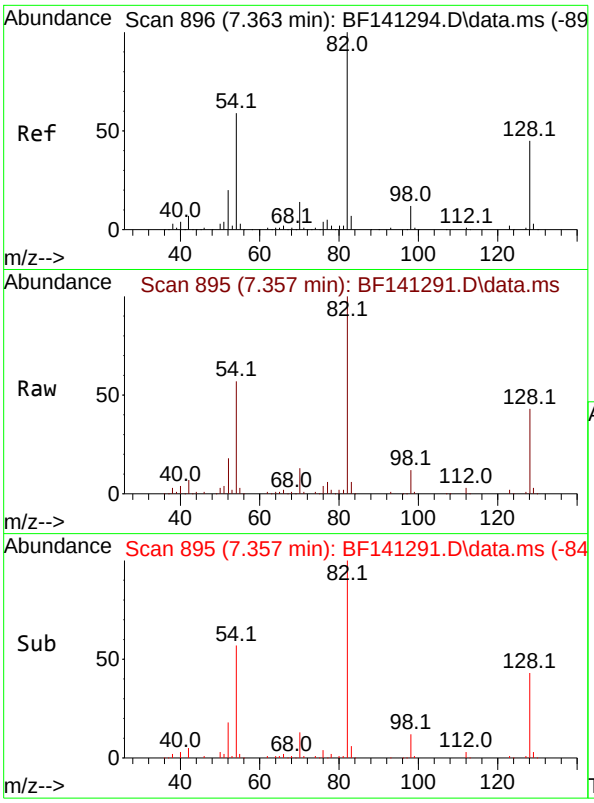


#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:105 Resp: 72756

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.8	10.2
51	38.9	32.6	49.0
120	21.4	17.4	26.0



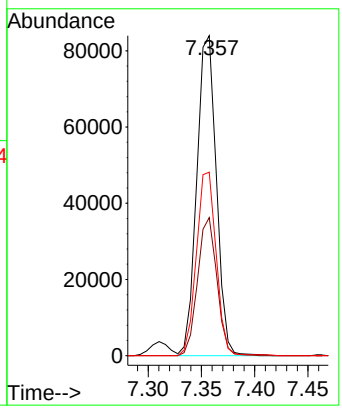


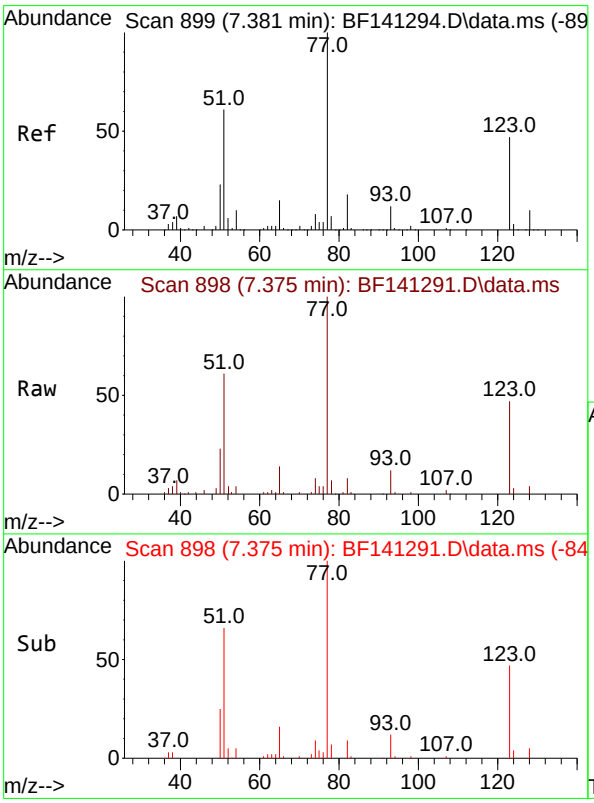
#23
Nitrobenzene-d5
Concen: 10.719 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 107680

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	57.4	47.1	70.7

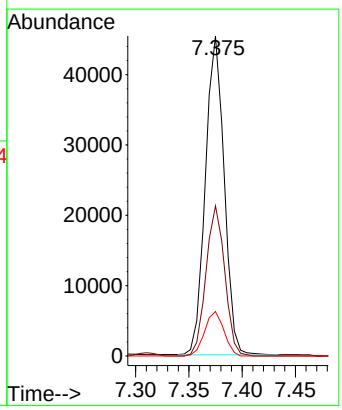


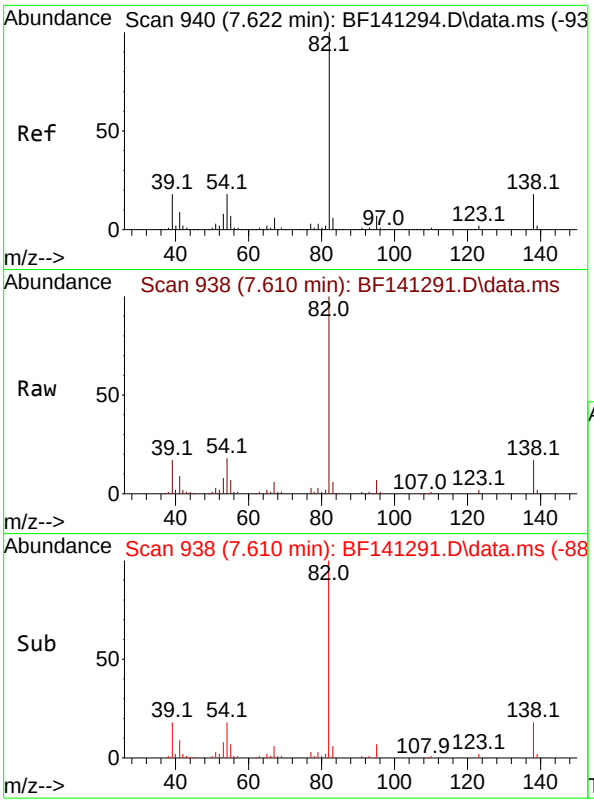


#24
Nitrobenzene
Concen: 5.337 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 55610

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.3	55.9
65	13.9	11.8	17.6



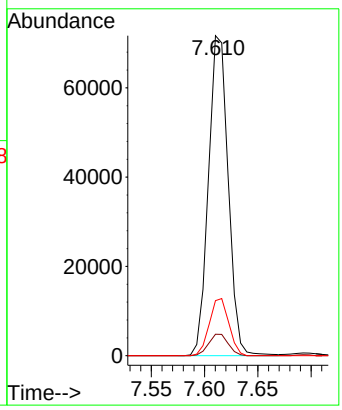


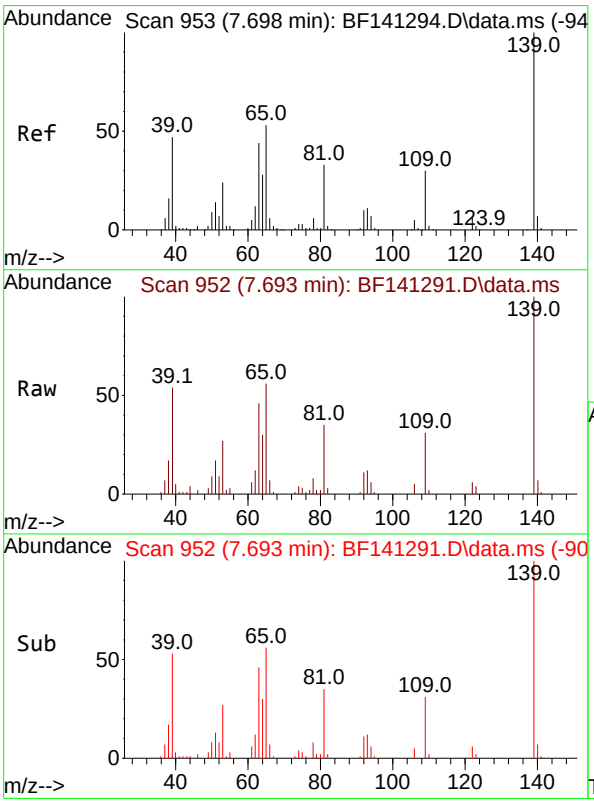
#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 92818

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.8	8.6
138	17.2	14.7	22.1

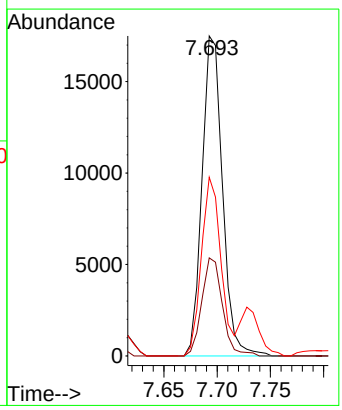


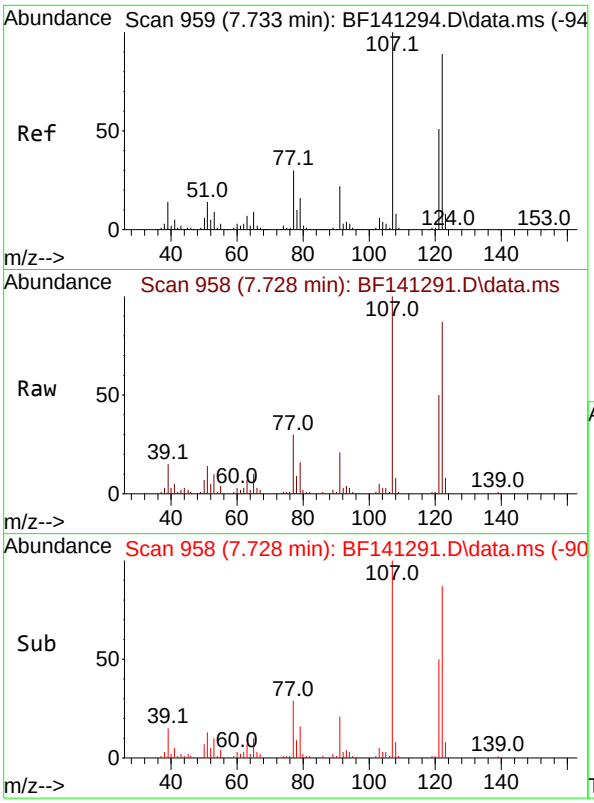


#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:139 Resp: 23372

Ion	Ratio	Lower	Upper
139	100		
109	30.7	23.8	35.6
65	55.8	42.2	63.4



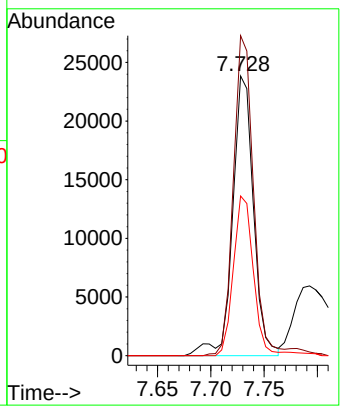


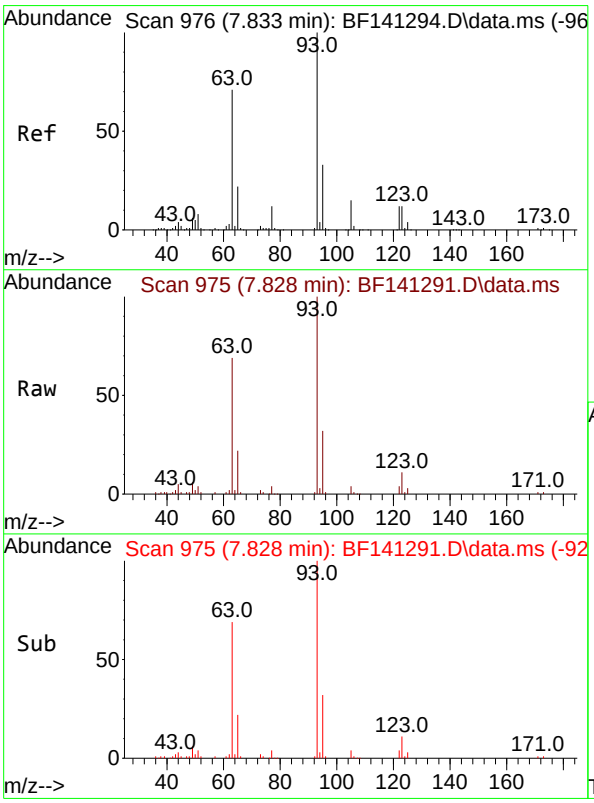
#27
2,4-Dimethylphenol
Concen: 5.205 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 32462

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.9	134.9
121	57.1	46.1	69.1

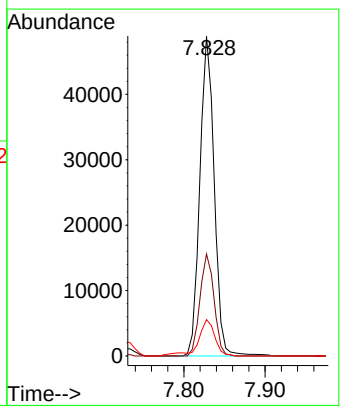


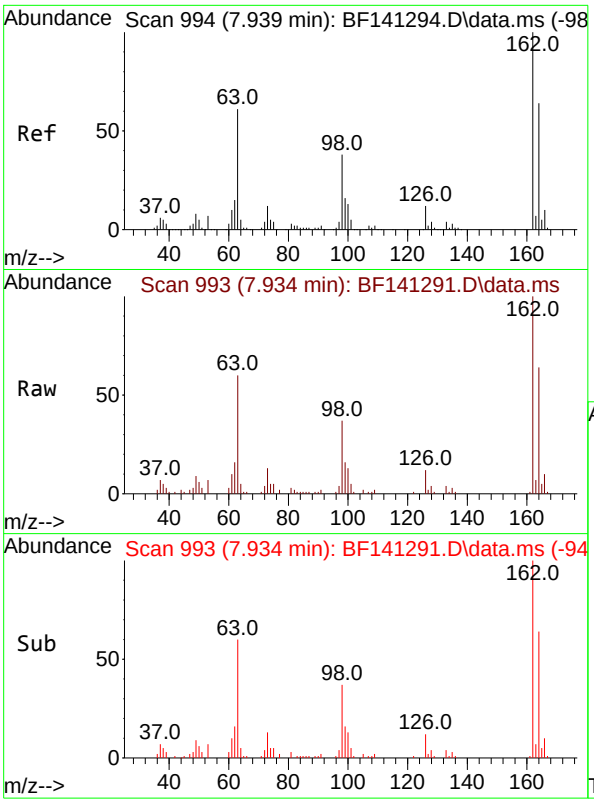


#28
bis(2-Chloroethoxy)methane
Concen: 5.449 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 60286

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.2
123	11.3	10.2	15.4



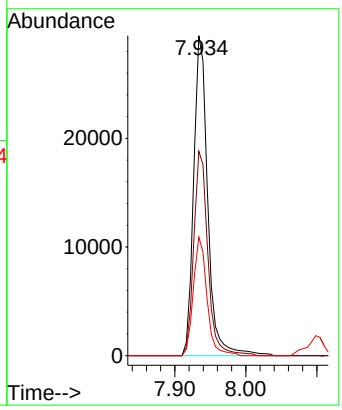


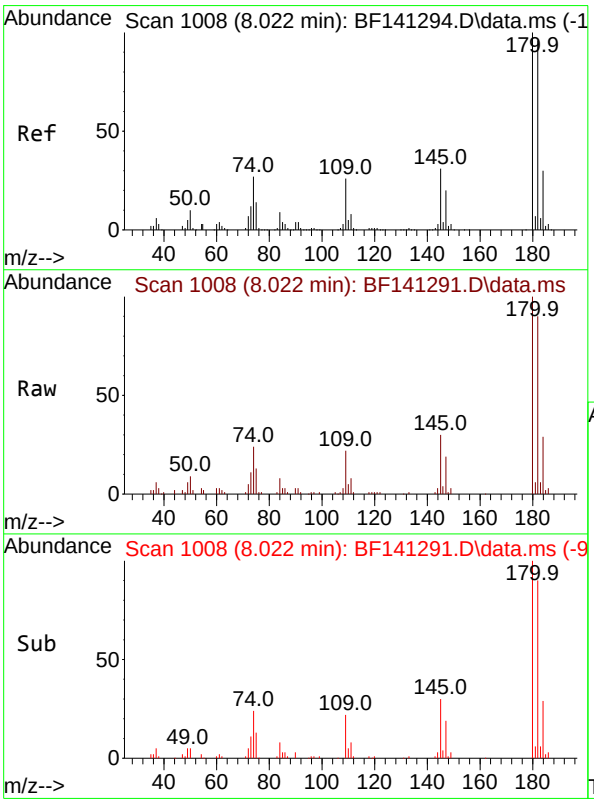
#29
2,4-Dichlorophenol
Concen: 5.360 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 40847

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	37.0	18.2	58.2

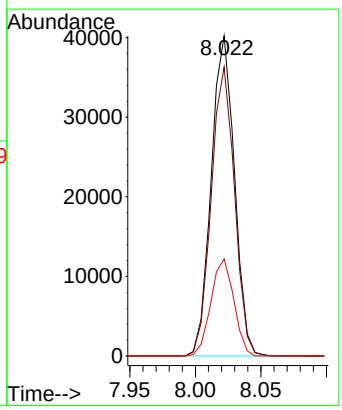


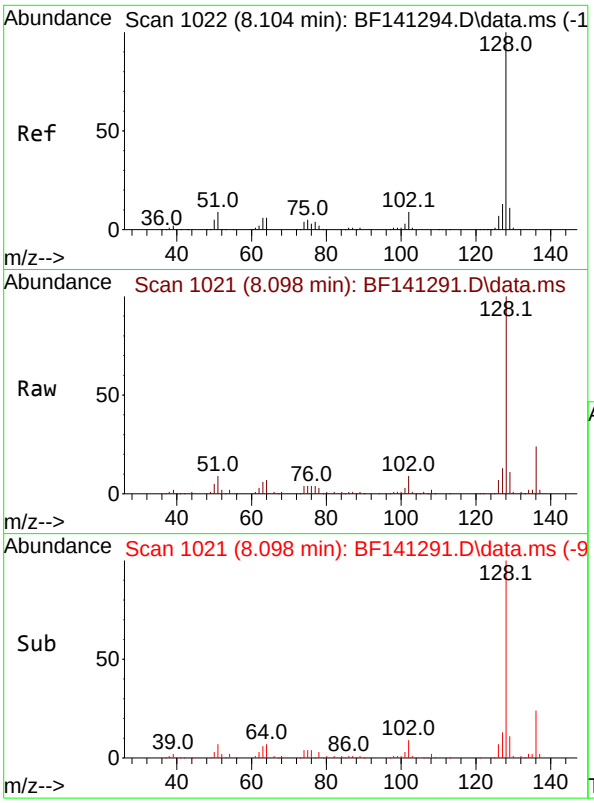


#30
1,2,4-Trichlorobenzene
Concen: 5.661 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:180 Resp: 49479

Ion	Ratio	Lower	Upper
180	100		
182	90.2	76.4	114.6
145	30.3	24.9	37.3



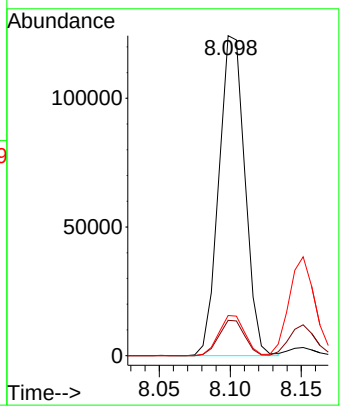


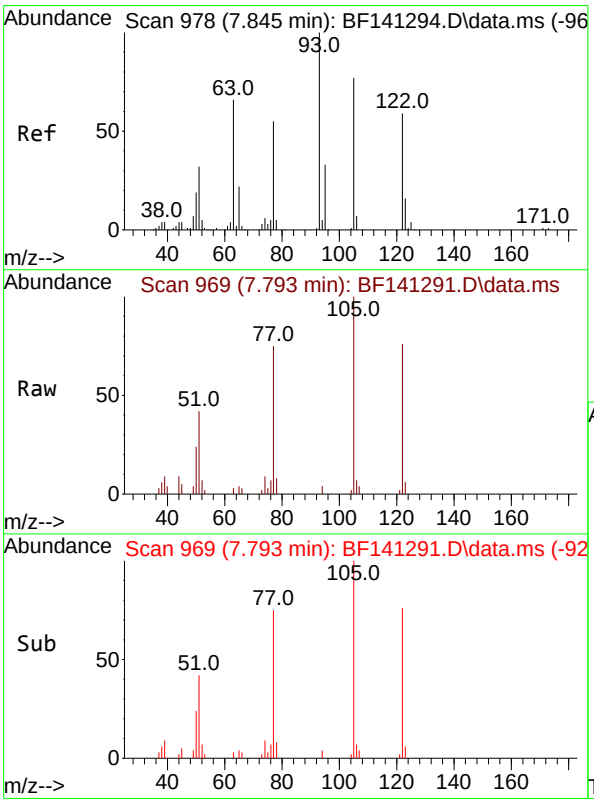
#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 158560

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.6	10.6	15.8

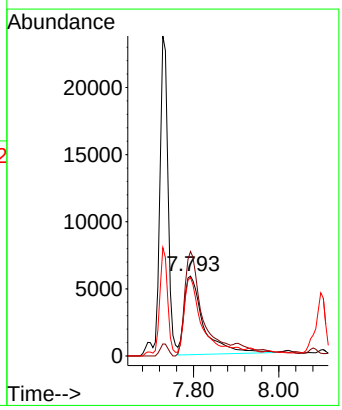


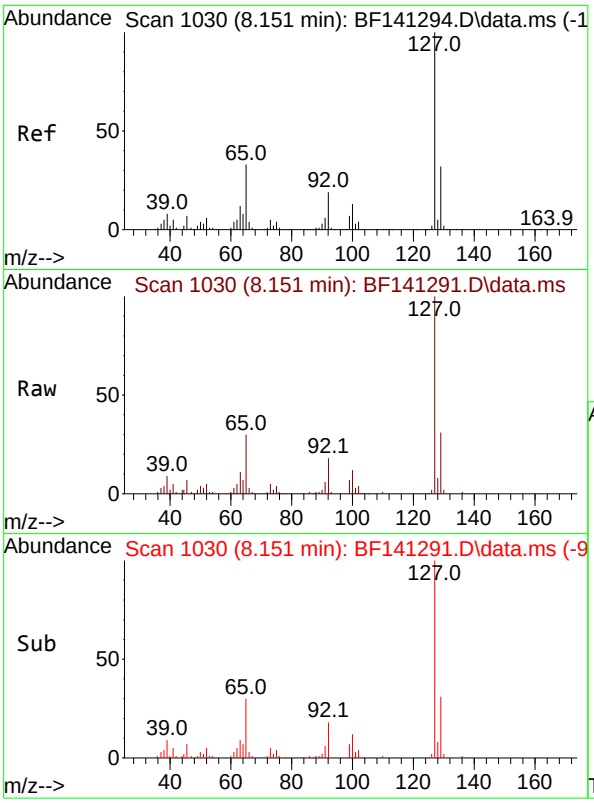


#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:122 Resp: 18585

Ion	Ratio	Lower	Upper
122	100		
105	130.7	103.4	143.4
77	98.2	70.9	110.9



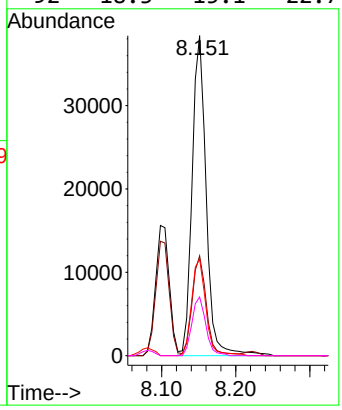


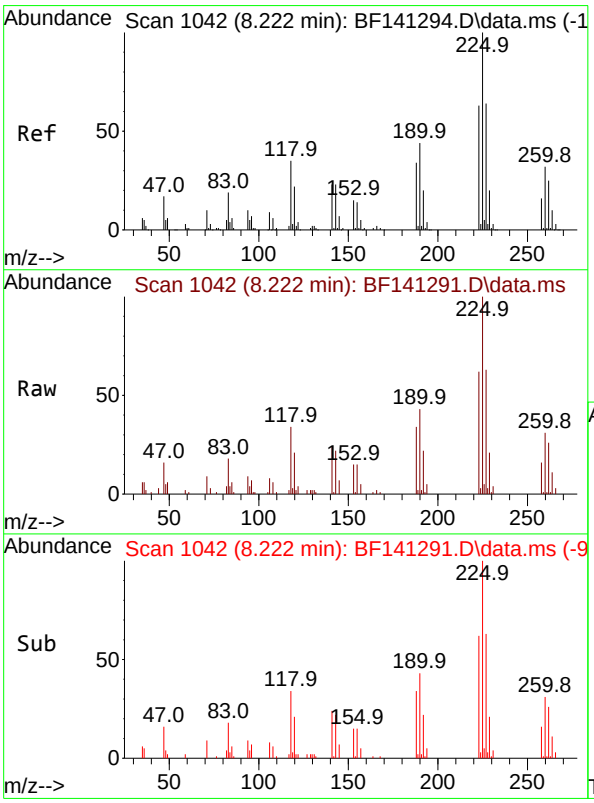
#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 50760

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.7	38.5
65	30.1	26.4	39.6
92	18.3	15.1	22.7

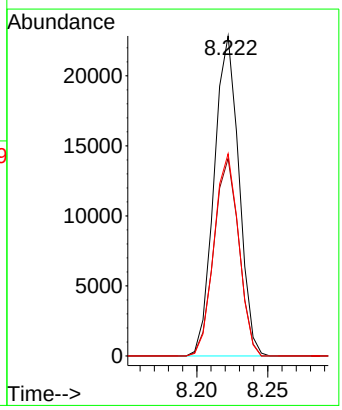


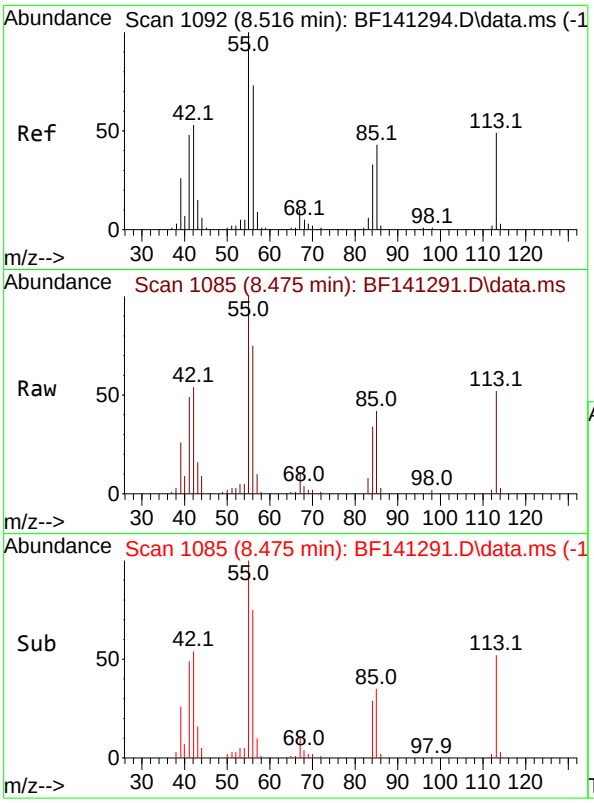


#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:225 Resp: 27720

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	63.2	51.3	76.9



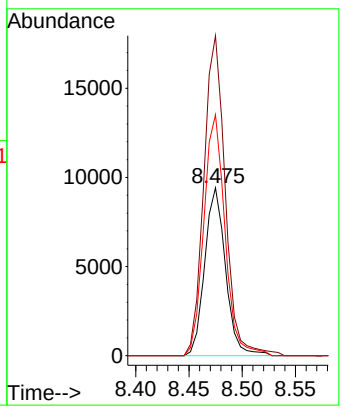


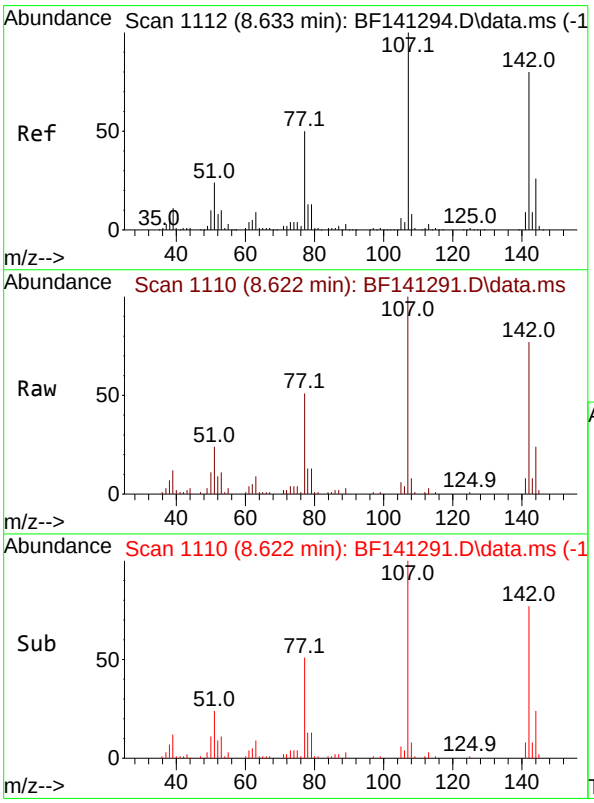
#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 12827

Ion	Ratio	Lower	Upper
113	100		
55	190.7	182.9	222.9
56	143.6	127.9	167.9

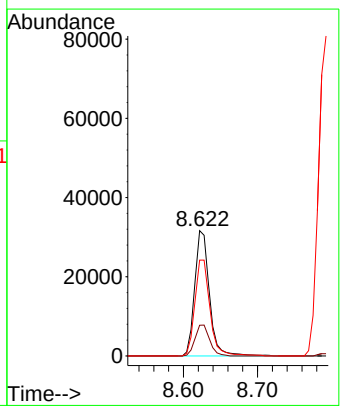


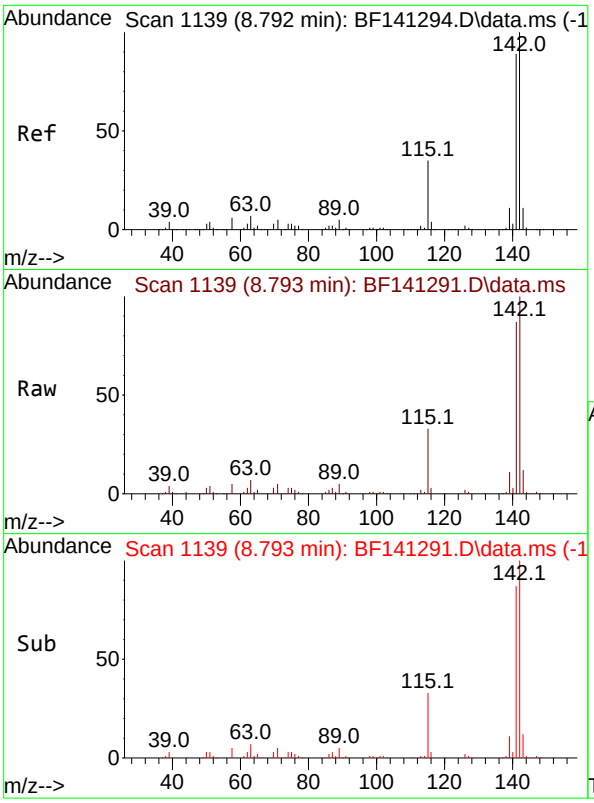


#36
4-Chloro-3-methylphenol
Concen: 5.334 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 43627

Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.7	31.1
142	76.6	63.8	95.8



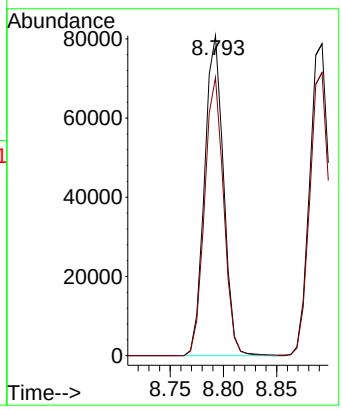


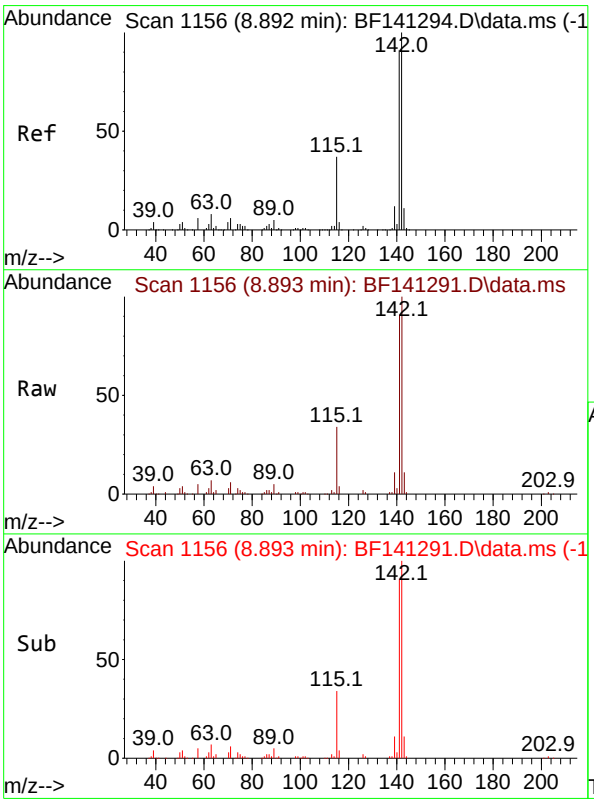
#37
2-Methylnaphthalene
Concen: 5.634 ng
RT: 8.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9

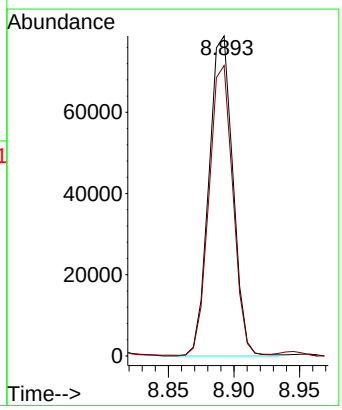


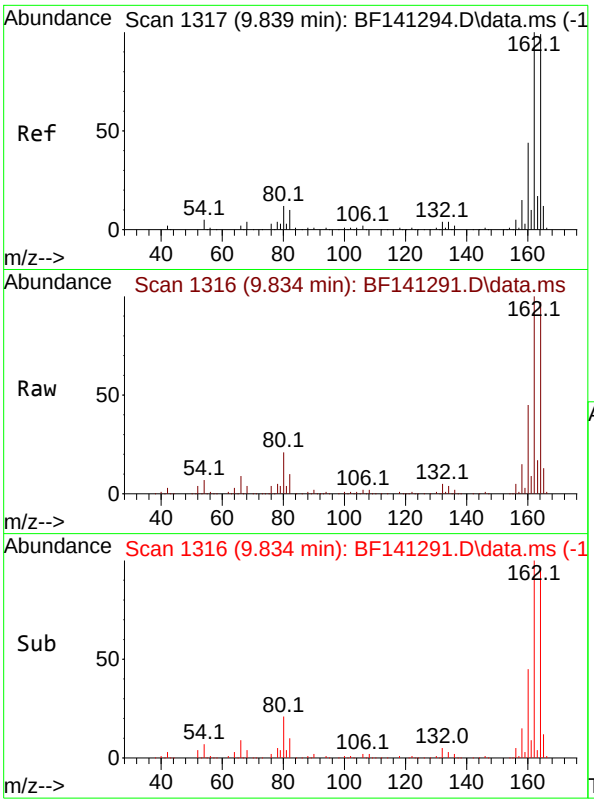


#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 8.893 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:142 Resp: 100569

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.2	109.8



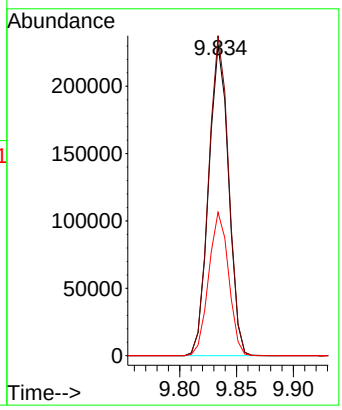


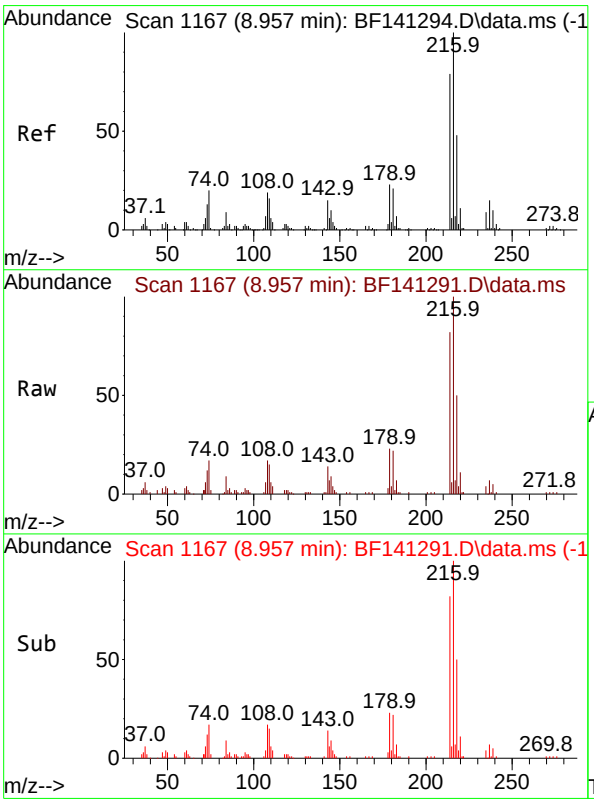
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 281034

Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	121.0
160	46.2	35.8	53.6

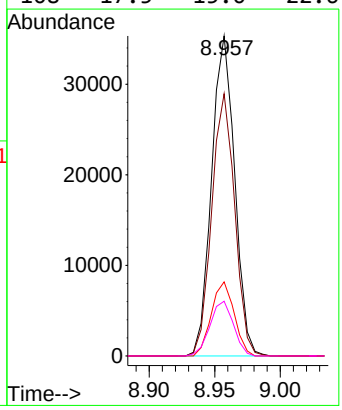


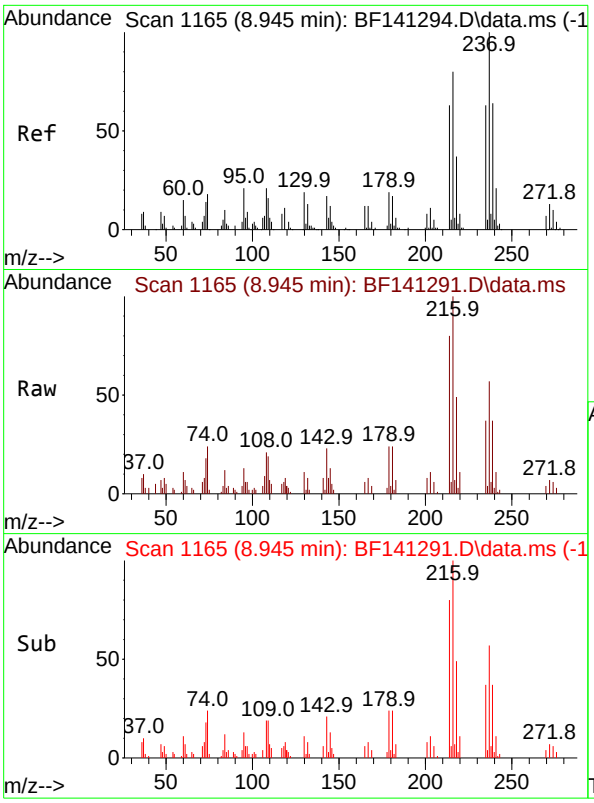


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

Ion	Ratio	Lower	Upper
216	100		
214	81.4	63.2	94.8
179	22.9	17.8	26.8
108	17.5	15.0	22.6



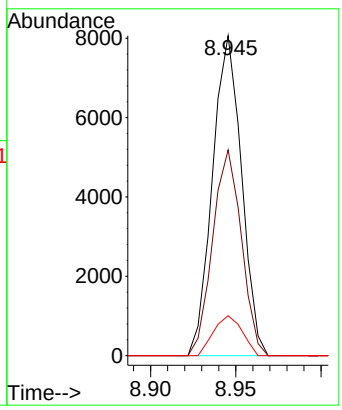


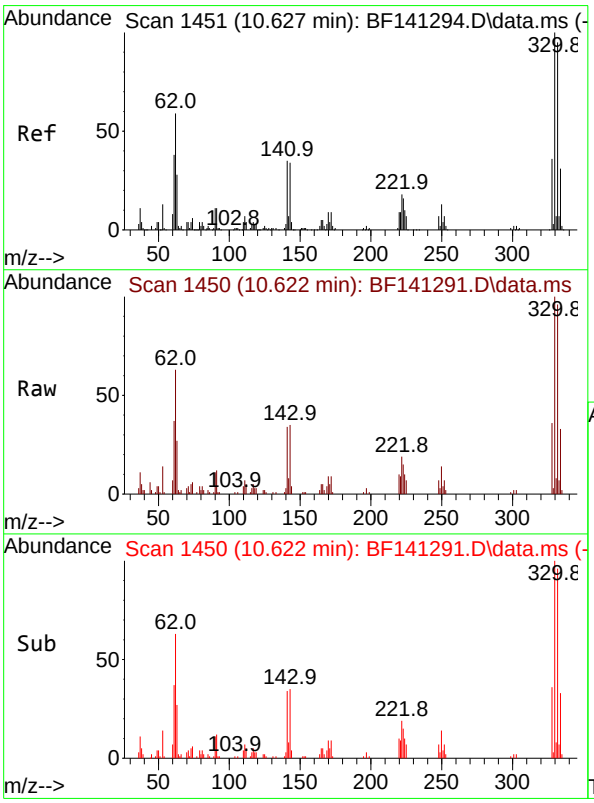
#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 9555

Ion	Ratio	Lower	Upper
237	100		
235	64.3	42.9	82.9
272	12.5	0.0	32.8

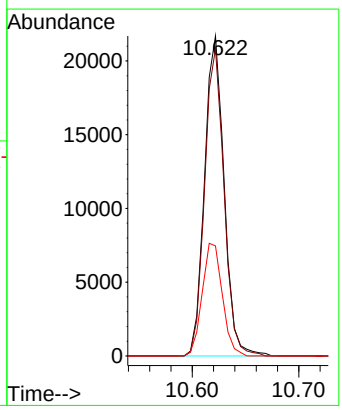


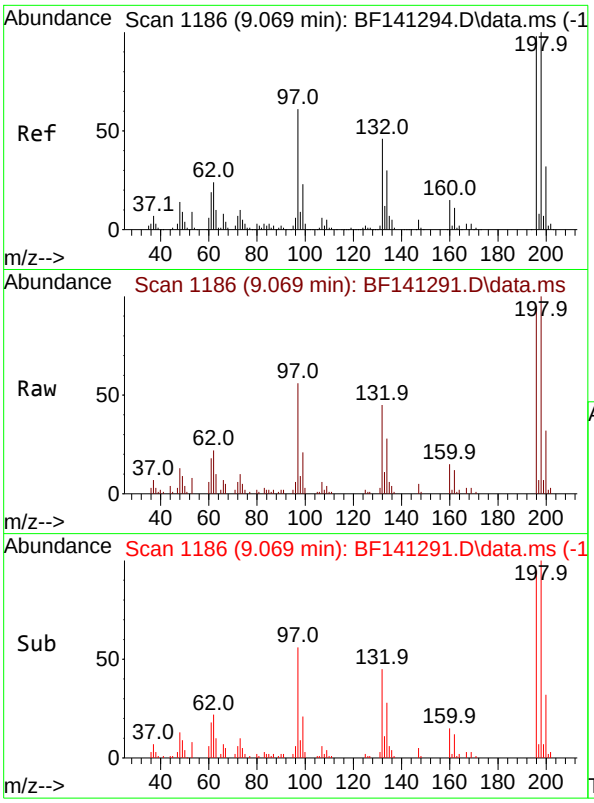


#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:330 Resp: 27799

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.1	114.1
141	36.2	28.8	43.2



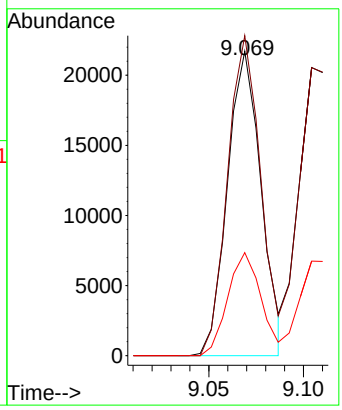


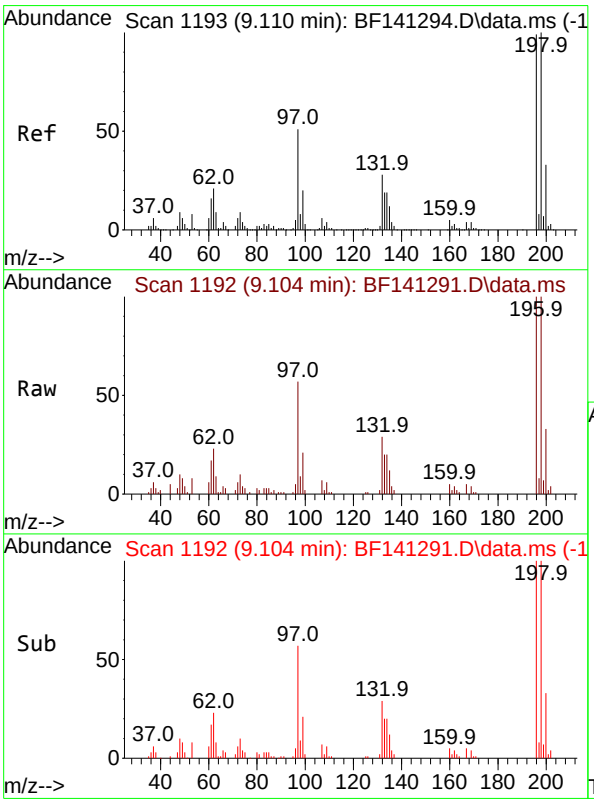
#43
2,4,6-Trichlorophenol
Concen: 5.136 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 26790

Ion	Ratio	Lower	Upper
196	100		
198	105.1	81.8	122.6
200	33.8	26.3	39.5

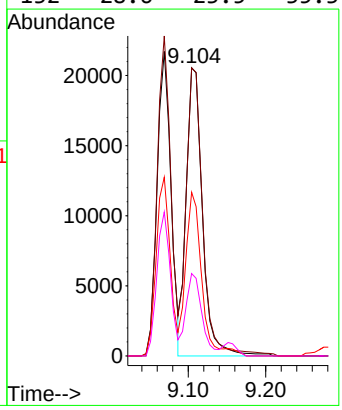


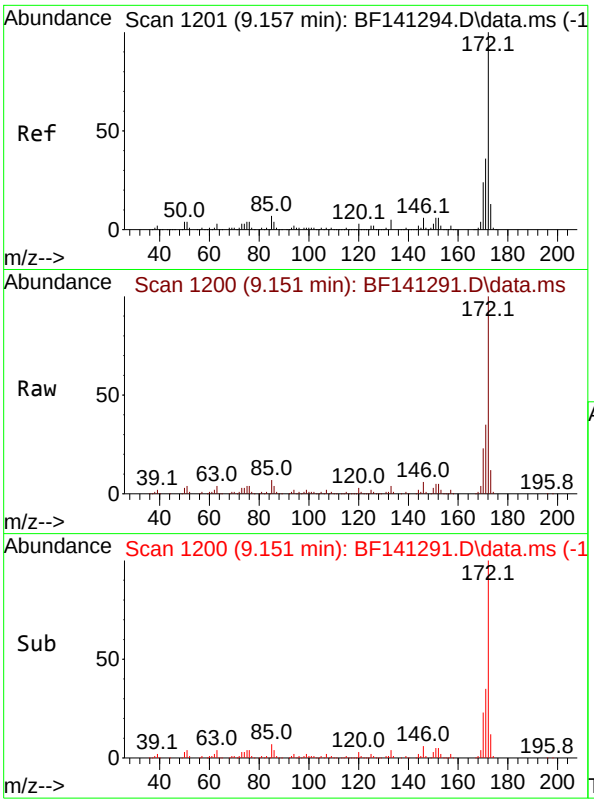


#44
2,4,5-Trichlorophenol
Concen: 5.309 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.5	120.7
97	56.8	42.8	64.2
132	28.6	23.5	35.3



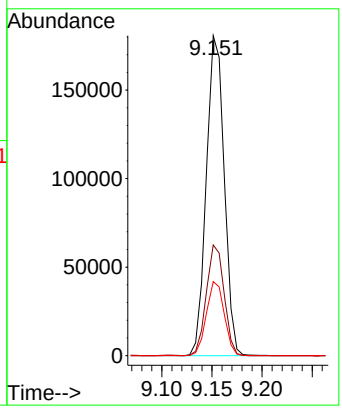


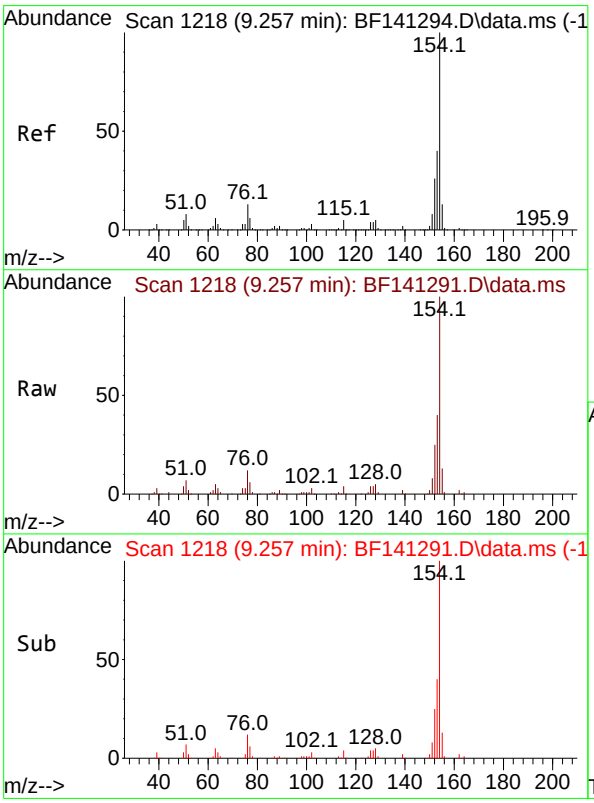
#45
2-Fluorobiphenyl
Concen: 12.320 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 224446

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.8	43.2
170	23.1	19.0	28.6

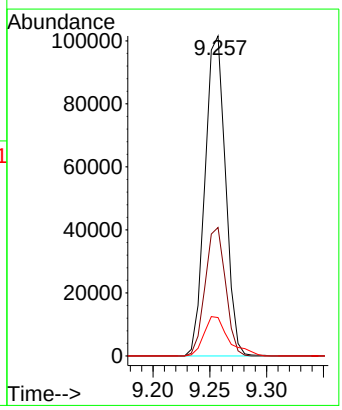


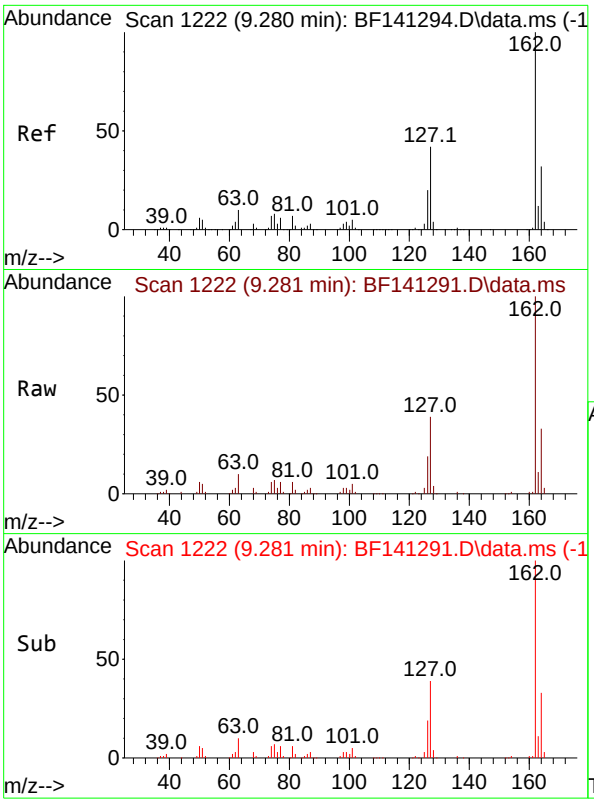


#46
1,1'-Biphenyl
Concen: 5.801 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 127187

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.0	0.0	32.8



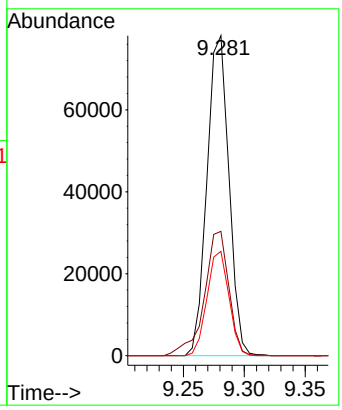


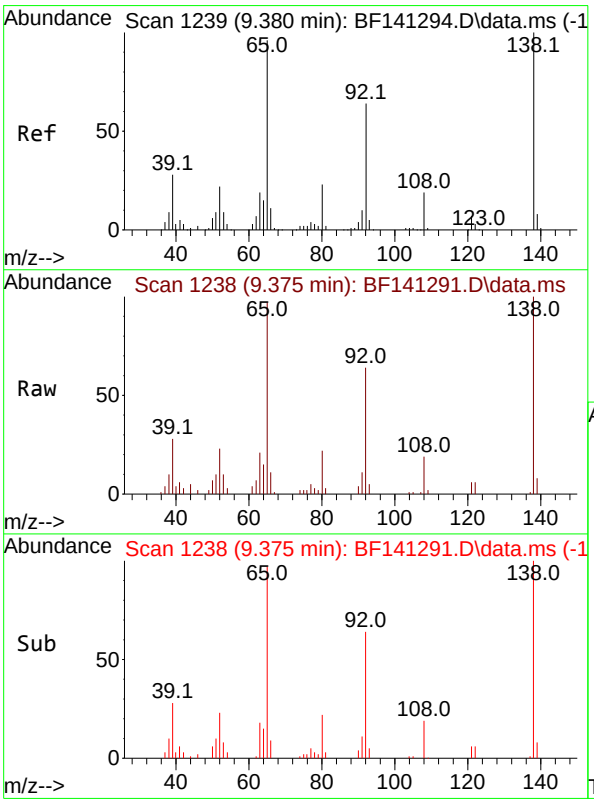
#47
2-Chloronaphthalene
Concen: 5.760 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 98081

Ion	Ratio	Lower	Upper
162	100		
127	38.8	33.7	50.5
164	32.6	25.9	38.9

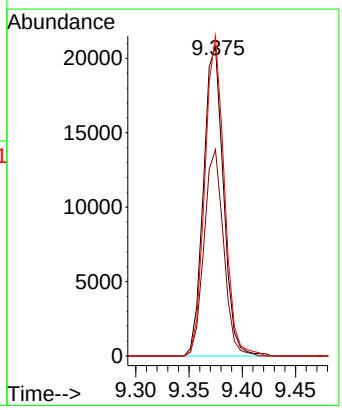


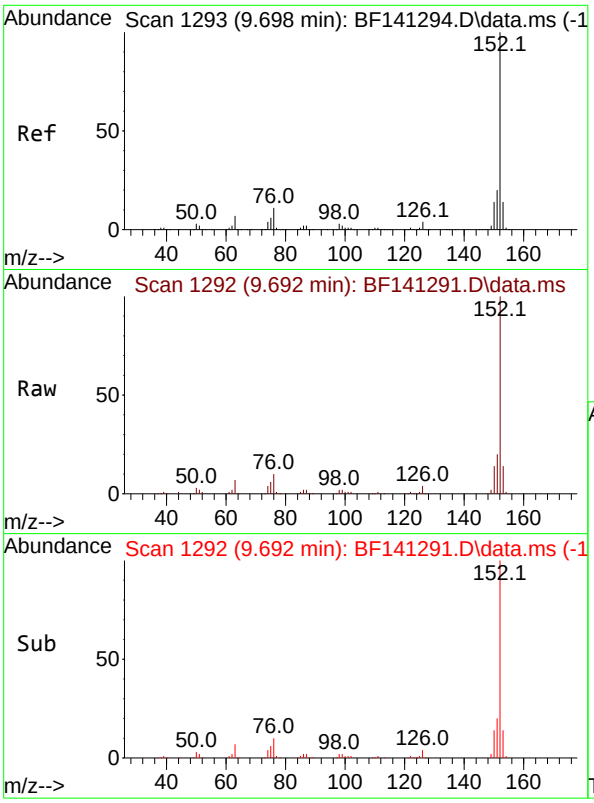


#48
2-Nitroaniline
Concen: 5.056 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 65 Resp: 27154

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	103.3	83.6	125.4



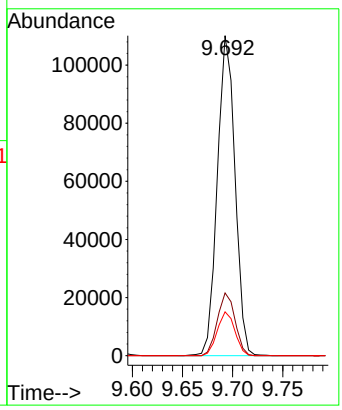


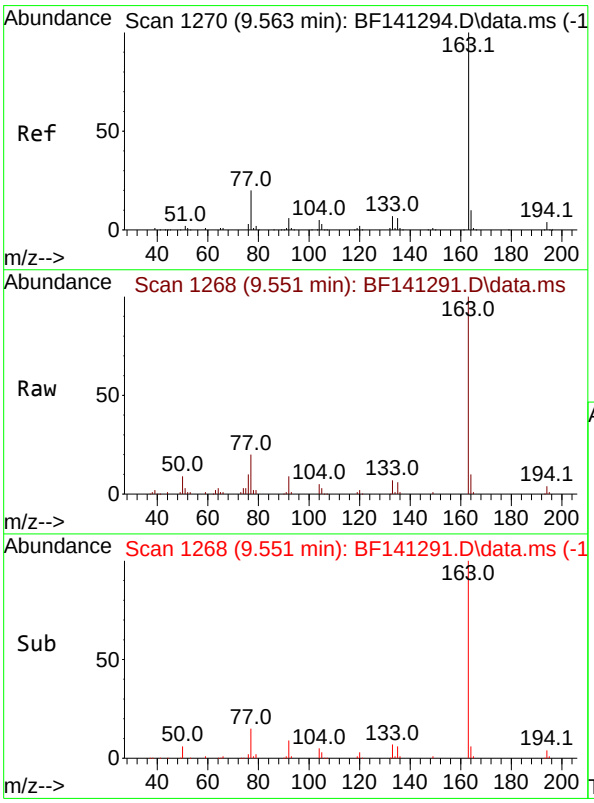
#49
Acenaphthylene
Concen: 5.643 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 134958

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.7	11.0	16.6

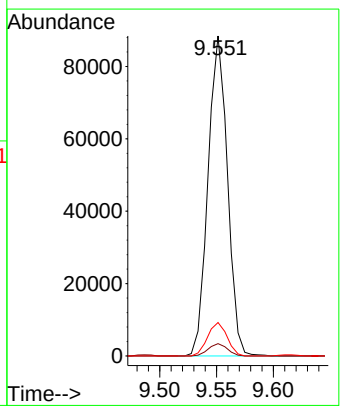


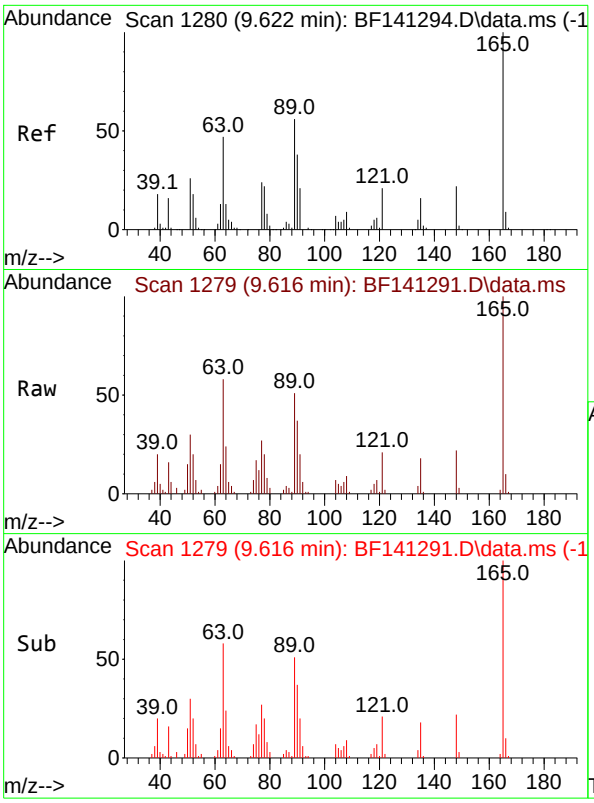


#50
Dimethylphthalate
Concen: 5.584 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:163 Resp: 105240

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.5	8.0	12.0



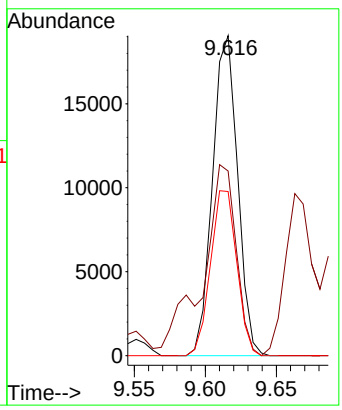


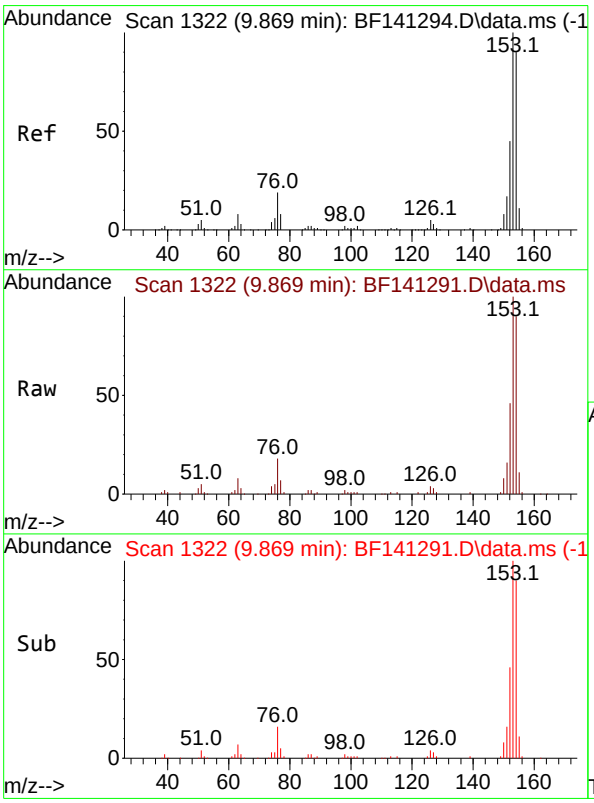
#51
2,6-Dinitrotoluene
Concen: 5.329 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 23372

Ion	Ratio	Lower	Upper
165	100		
63	57.7	48.1	72.1
89	51.3	44.9	67.3

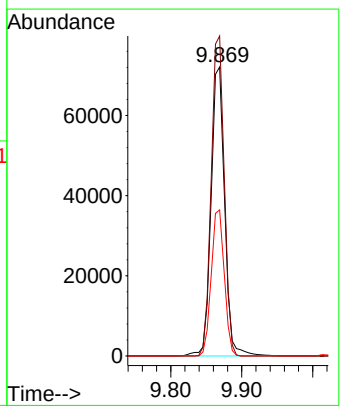


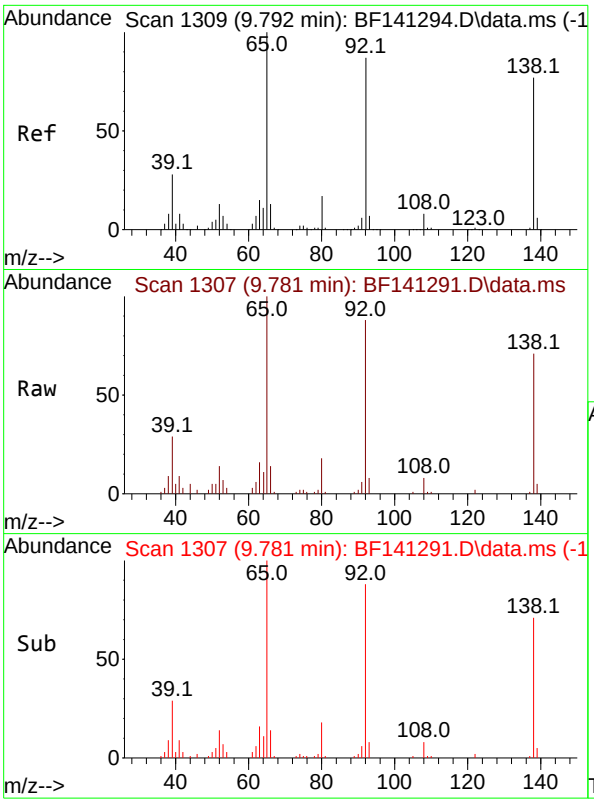


#52
Acenaphthene
Concen: 5.617 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 95591

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.0	133.4
152	50.6	40.2	60.4



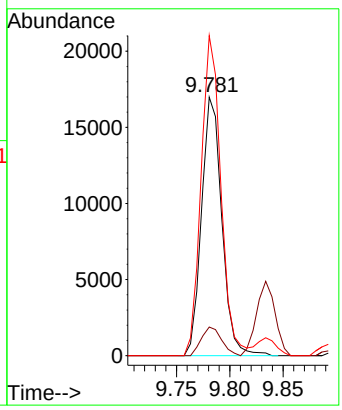


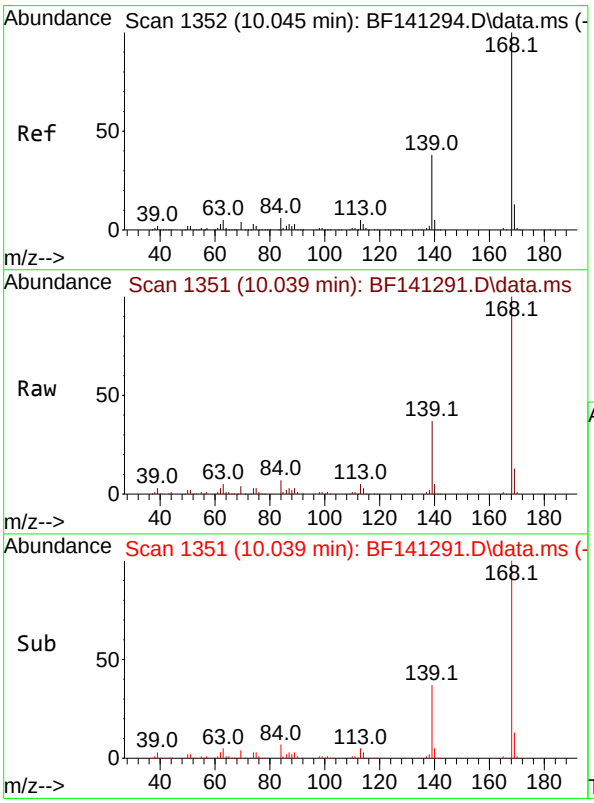
#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 22582

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	123.7	91.0	136.6

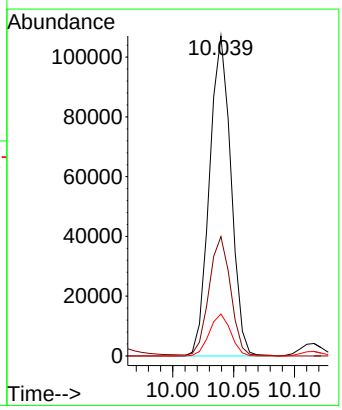


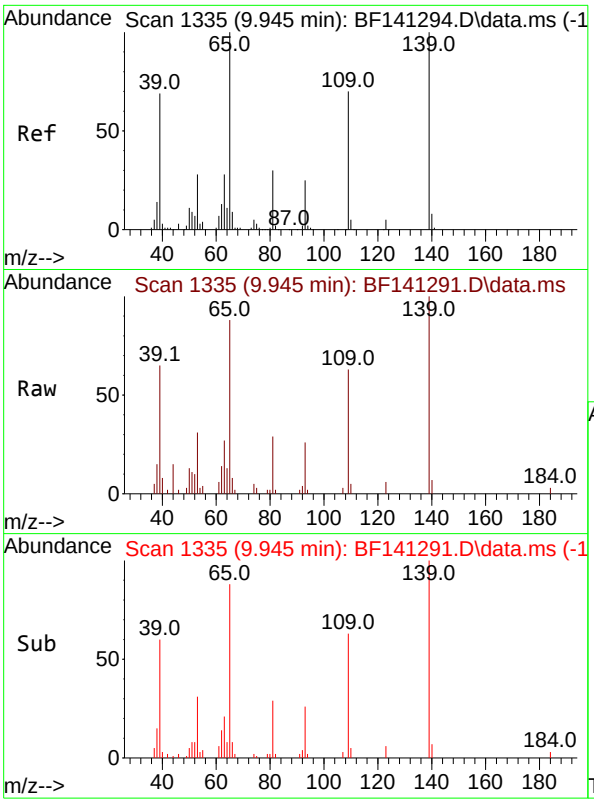


#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:168 Resp: 131288

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	46.0
169	13.1	10.8	16.2



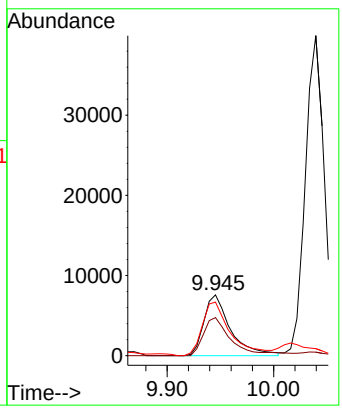


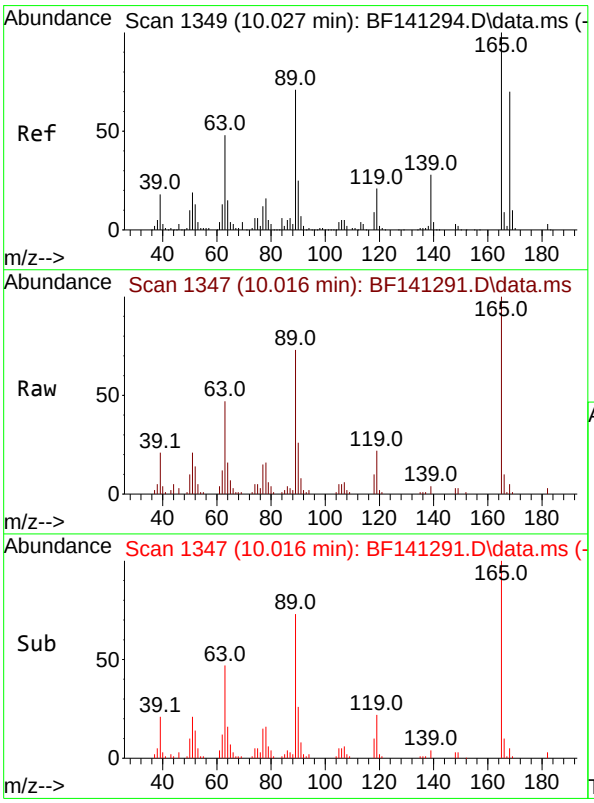
#56
4-Nitrophenol
Concen: 4.226 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 13160

Ion	Ratio	Lower	Upper
139	100		
109	62.7	50.2	90.2
65	88.2	80.6	120.6

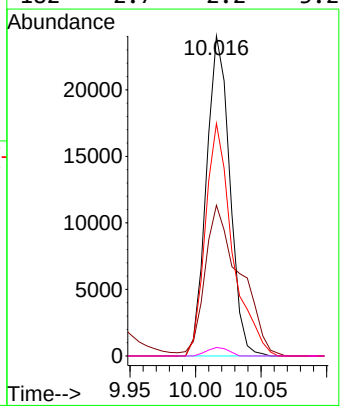


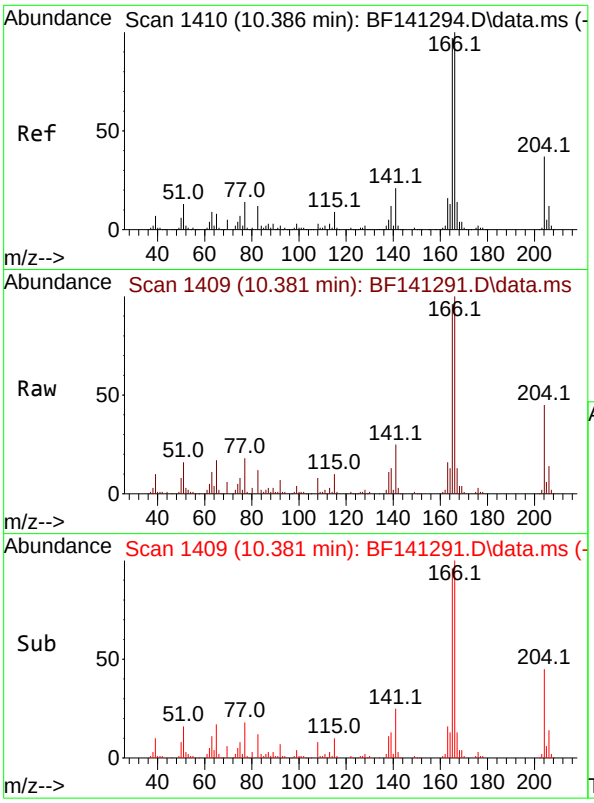


#57
2,4-Dinitrotoluene
Concen: 5.268 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

Ion	Ratio	Lower	Upper
165	100		
63	47.1	39.2	58.8
89	72.7	56.9	85.3
182	2.7	2.2	3.2



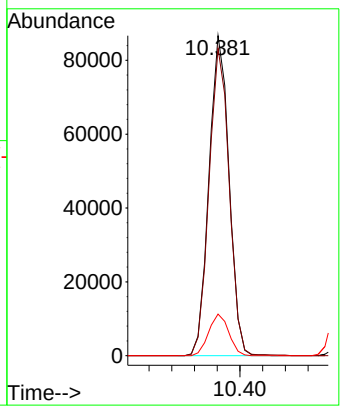


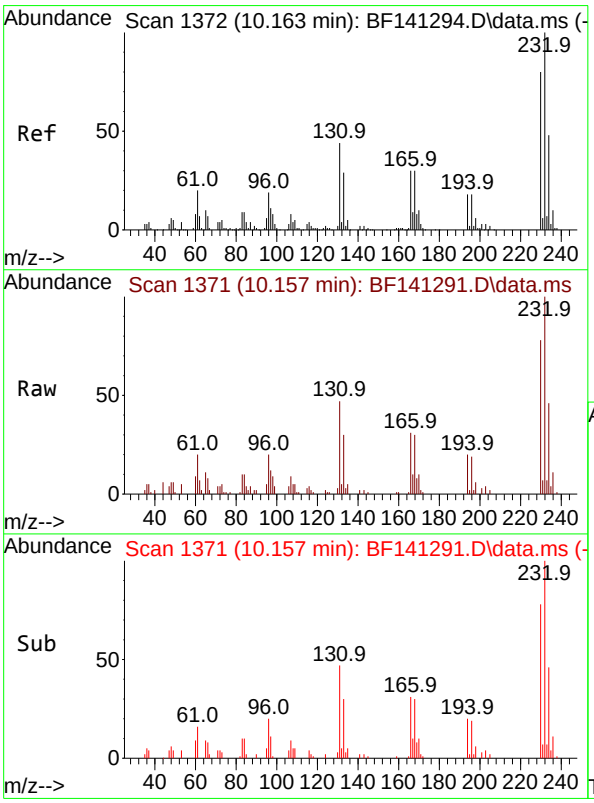
#58
Fluorene
Concen: 6.002 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 106198

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.5	116.3
167	13.0	10.9	16.3

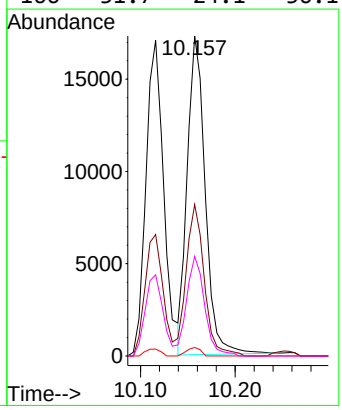


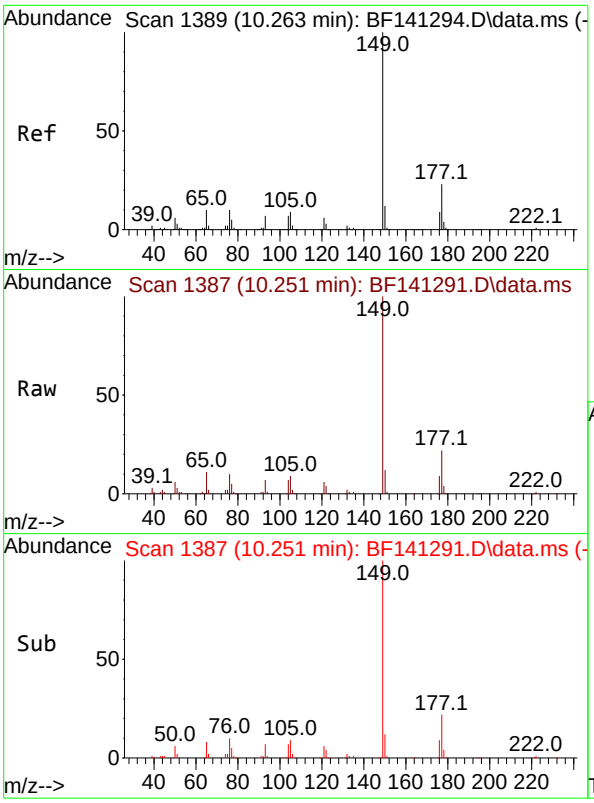


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

Ion	Ratio	Lower	Upper
232	100		
131	48.3	36.4	54.6
130	2.1	1.9	2.9
166	31.7	24.1	36.1



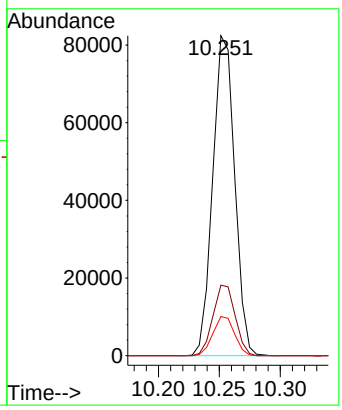


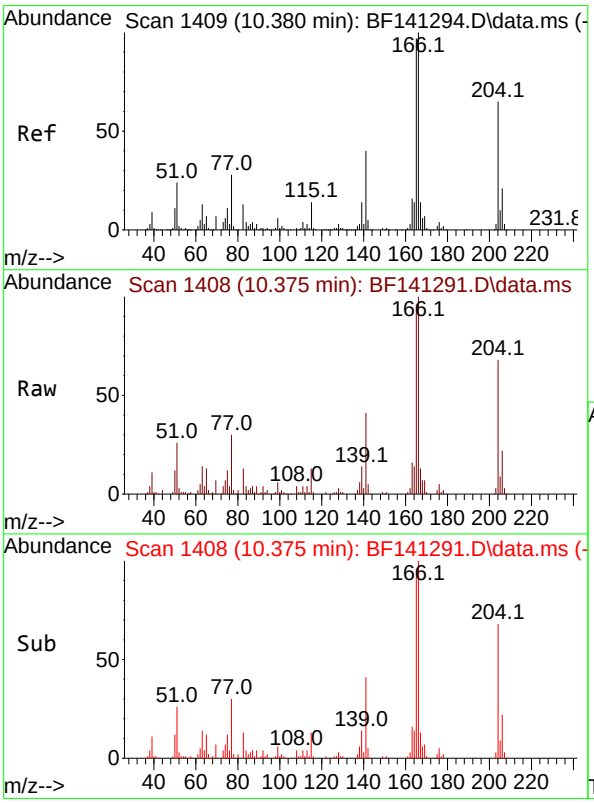
#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 103307

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.5	27.7
150	12.3	10.0	15.0

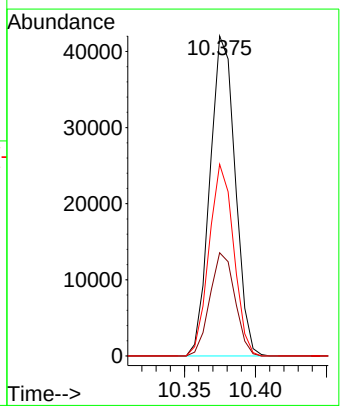


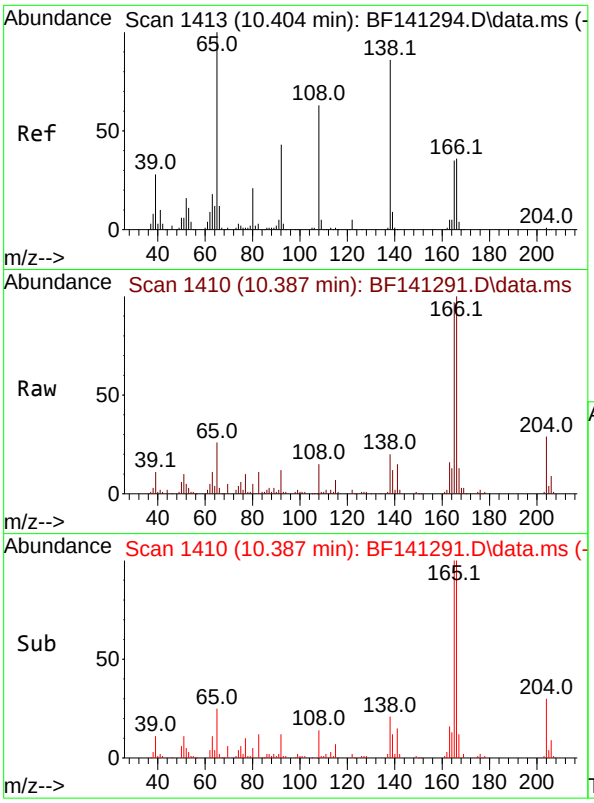


#61
4-Chlorophenyl-phenylether
Concen: 6.007 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:204 Resp: 51875

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.9	38.9
141	59.9	49.5	74.3



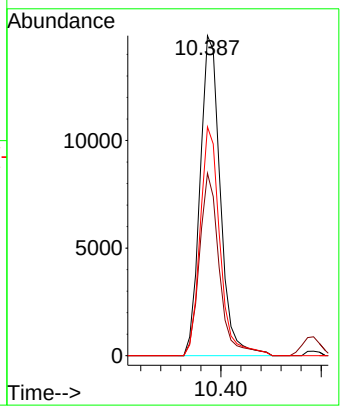


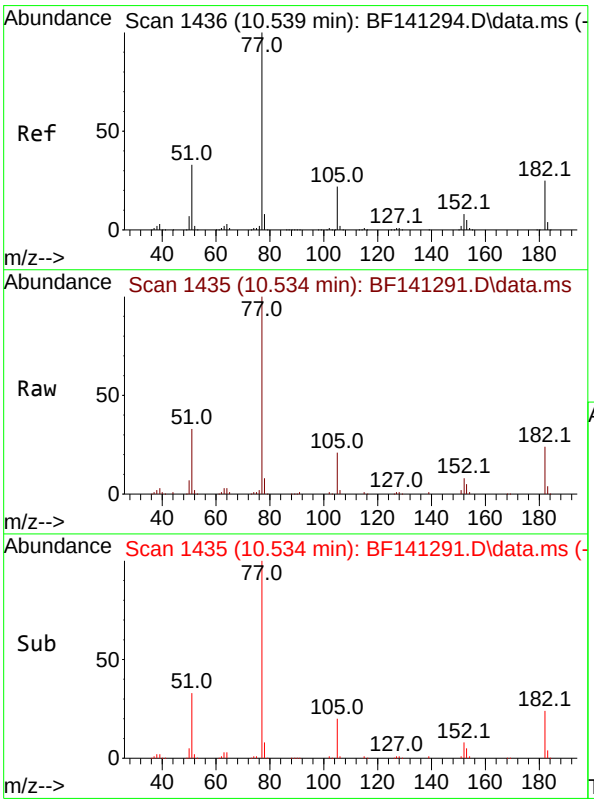
#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 20870

Ion	Ratio	Lower	Upper
138	100		
92	57.0	30.1	70.1
108	71.5	53.1	93.1

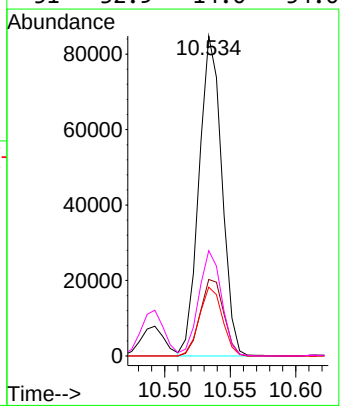


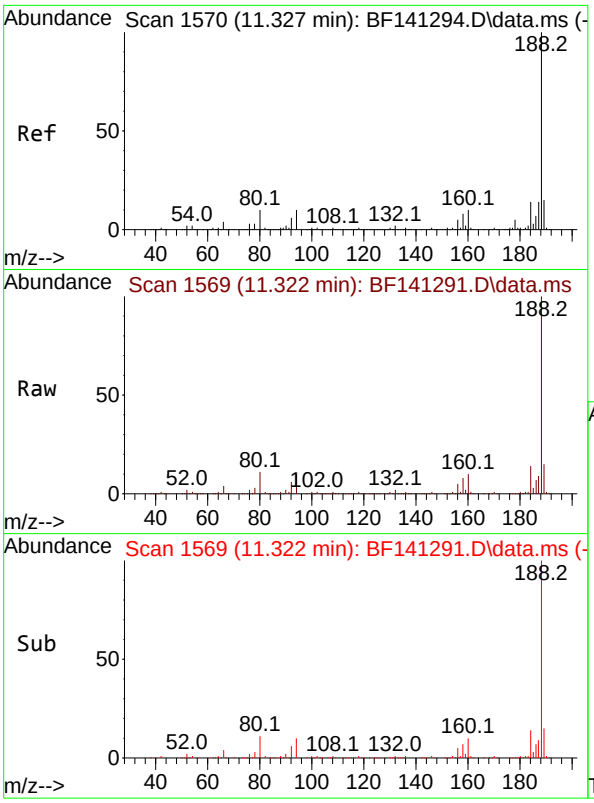


#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878

Ion	Ratio	Lower	Upper
77	100		
182	23.9	5.1	45.1
105	21.5	1.8	41.8
51	32.9	14.0	54.0



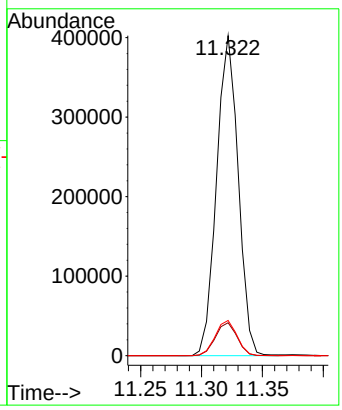


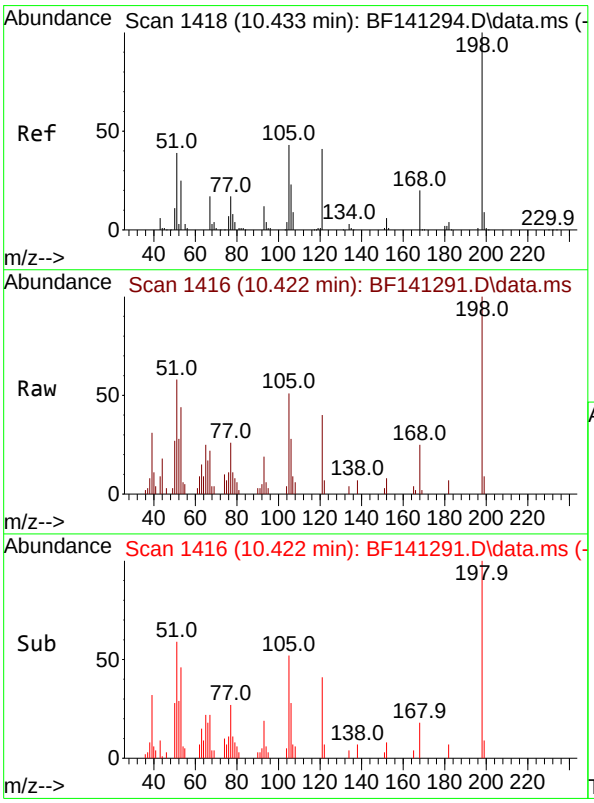
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 497368

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	11.0	8.2	12.4

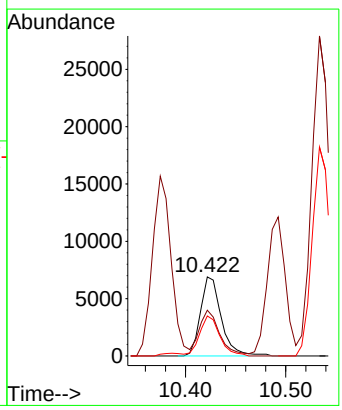


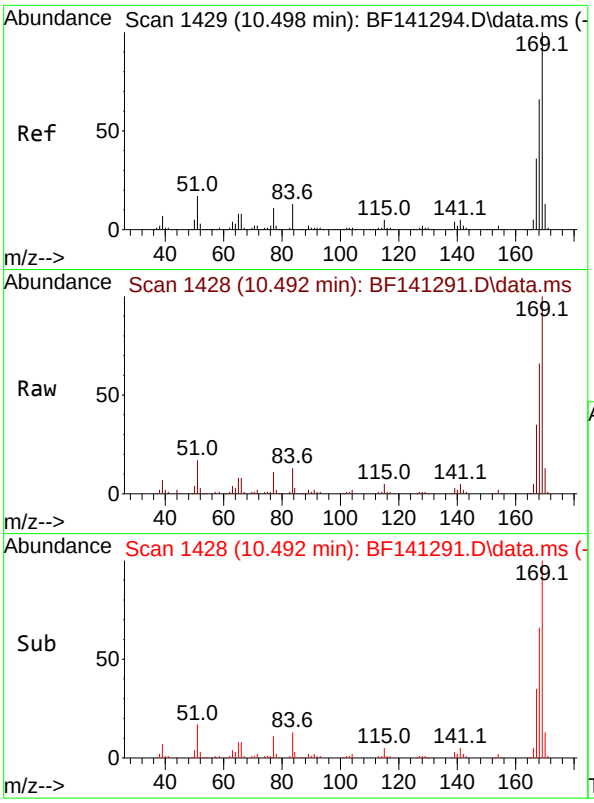


#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960

Ion	Ratio	Lower	Upper
198	100		
51	57.8	33.4	73.4
105	50.6	24.4	64.4



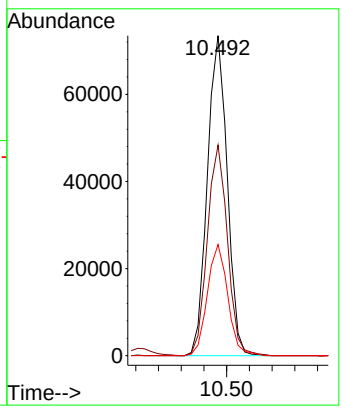


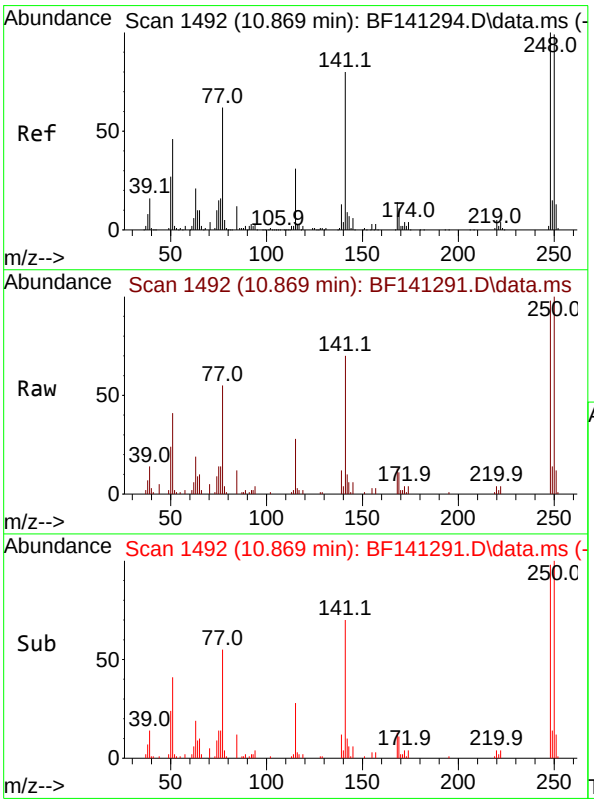
#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 89060

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	34.7	28.8	43.2

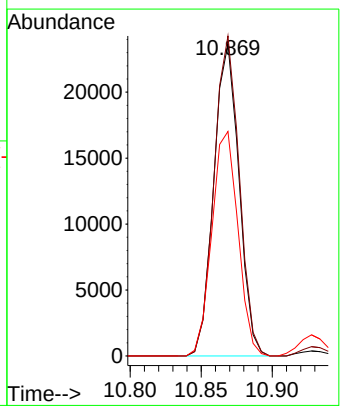


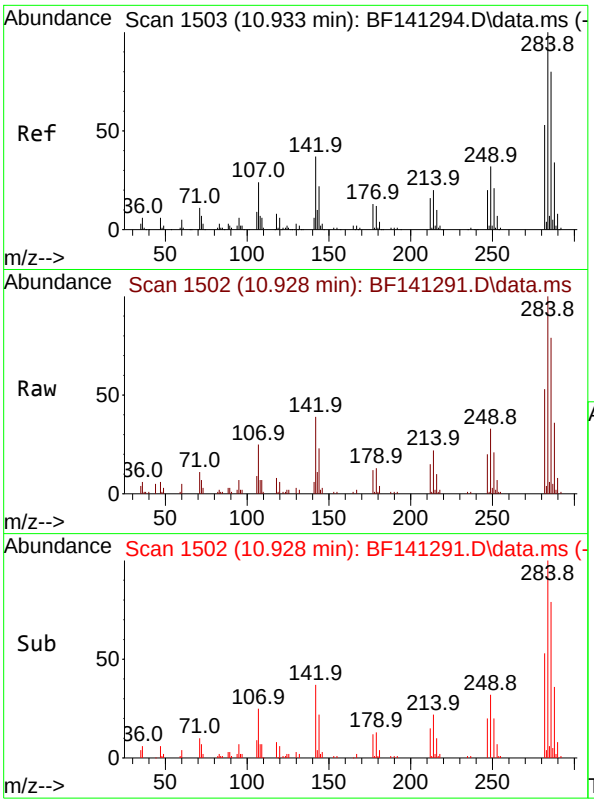


#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:248 Resp: 29160

Ion	Ratio	Lower	Upper
248	100		
250	102.5	79.0	118.4
141	71.9	63.7	95.5



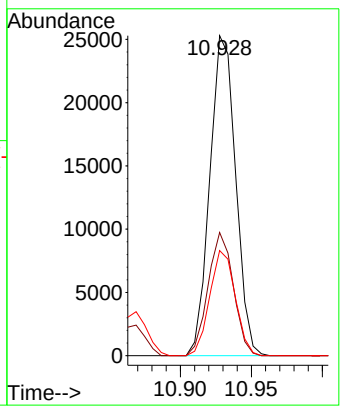


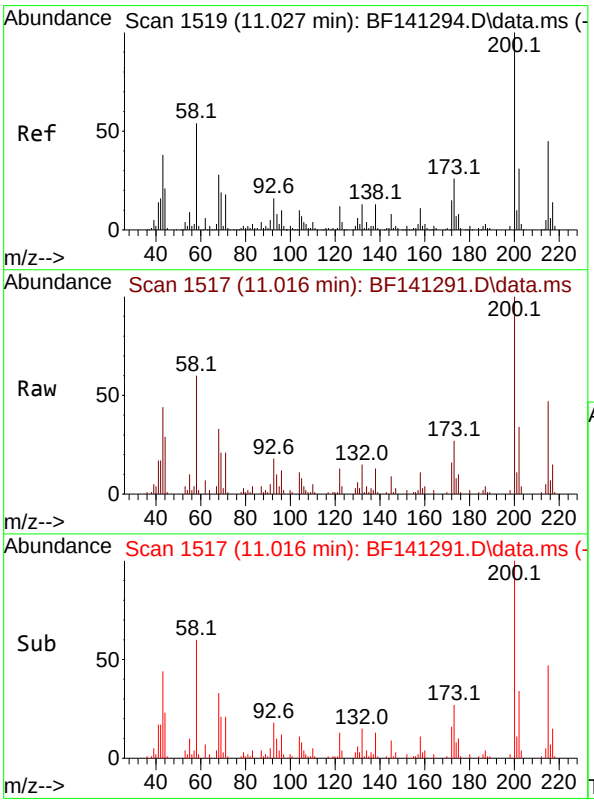
#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 31990

Ion	Ratio	Lower	Upper
284	100		
142	38.5	29.5	44.3
249	32.8	25.4	38.2

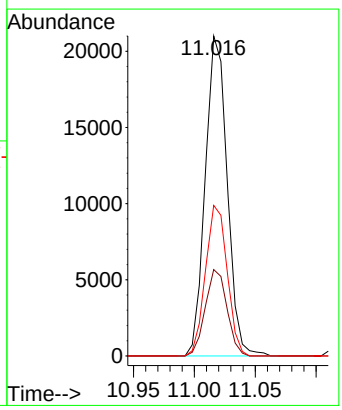


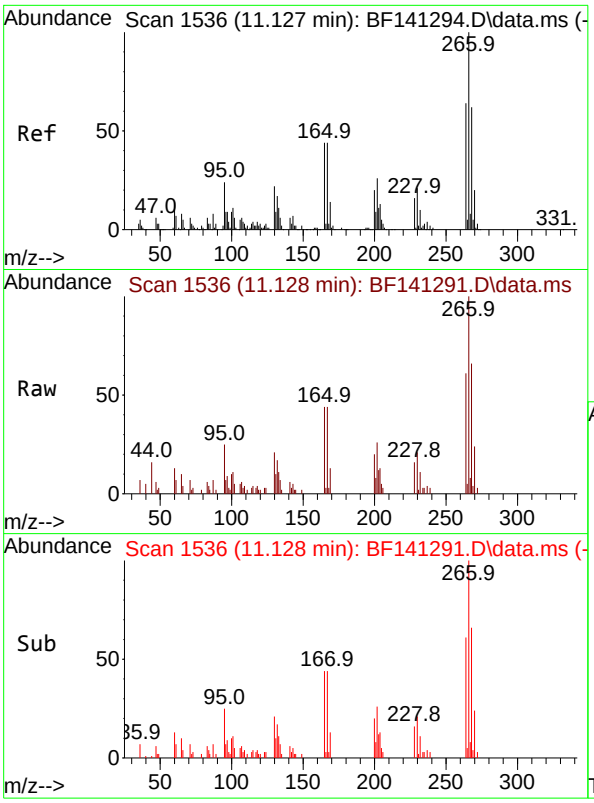


#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258

Ion	Ratio	Lower	Upper
200	100		
173	27.0	5.9	45.9
215	47.0	25.2	65.2



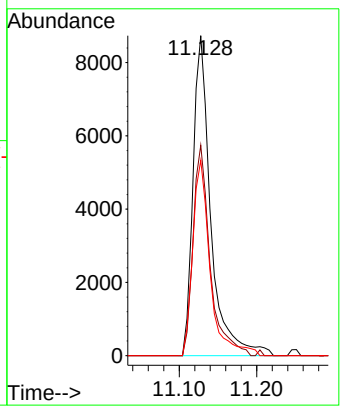


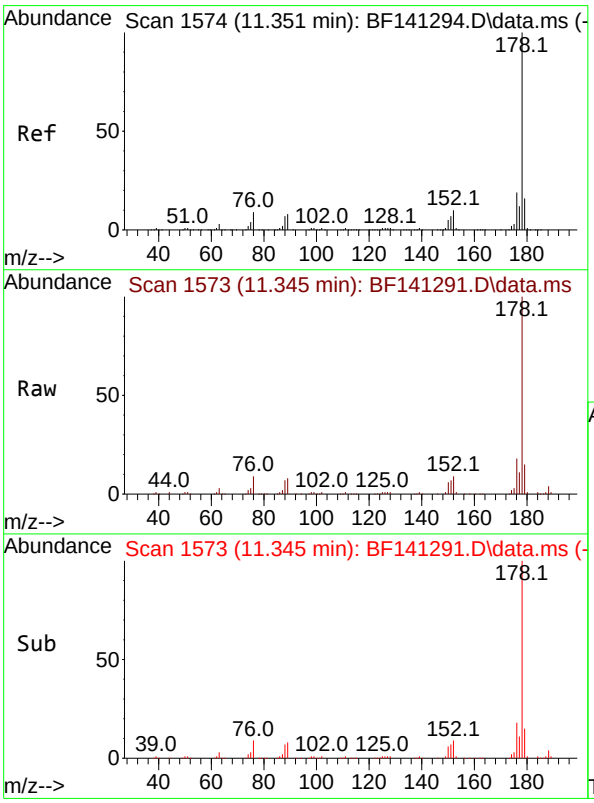
#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 13924

Ion	Ratio	Lower	Upper
266	100		
268	65.7	49.9	74.9
264	61.1	51.0	76.4

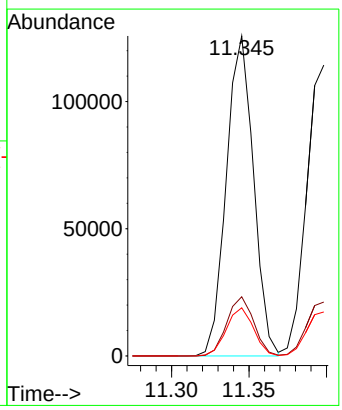


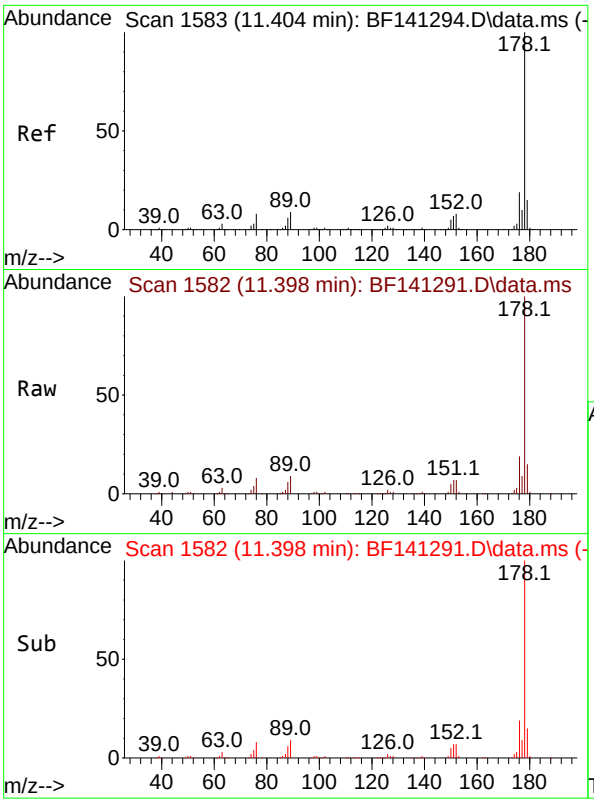


#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:178 Resp: 153320

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.0	12.5	18.7



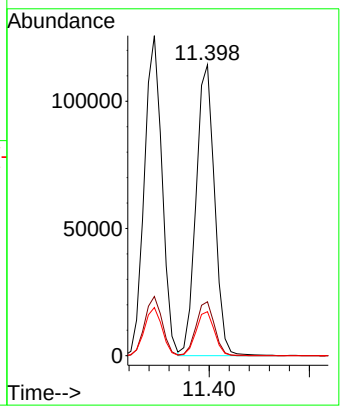


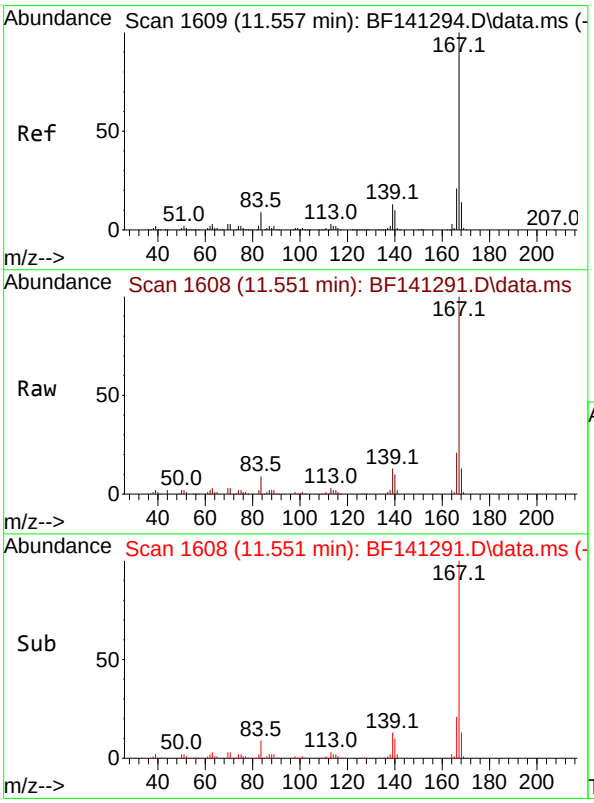
#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 146593

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.1	12.3	18.5

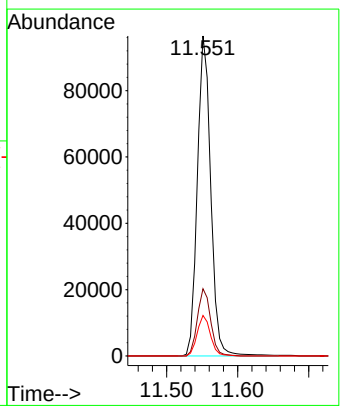


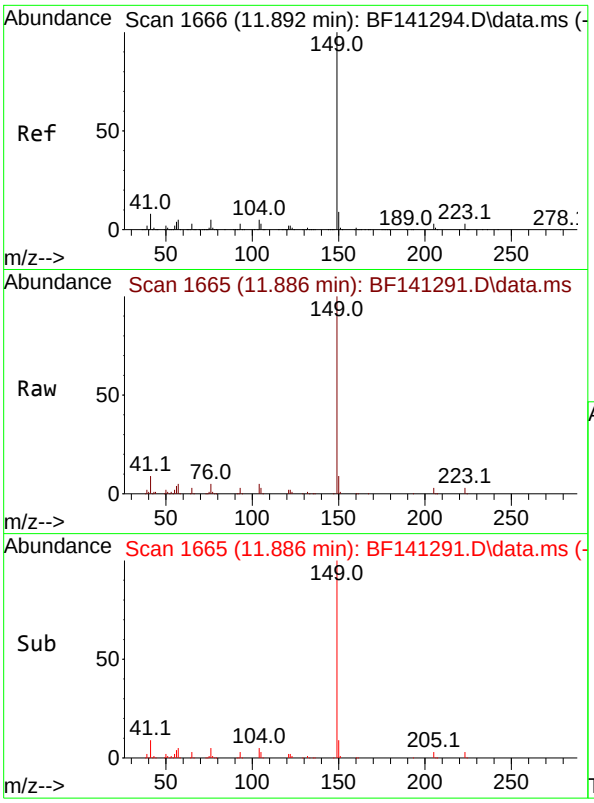


#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.6	10.6	16.0



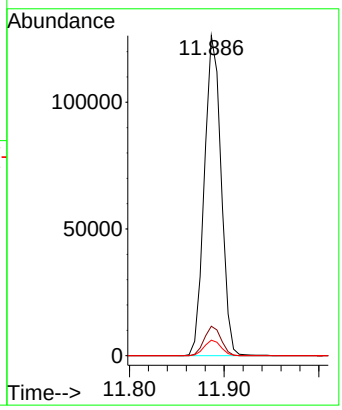


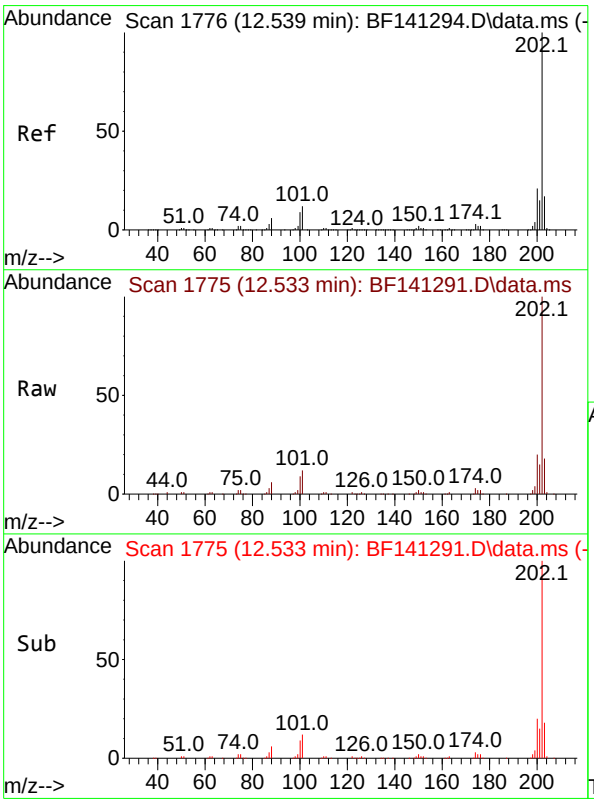
#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 154718

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9

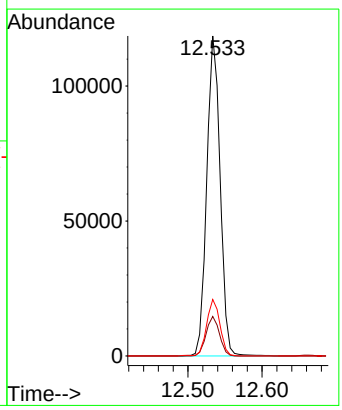


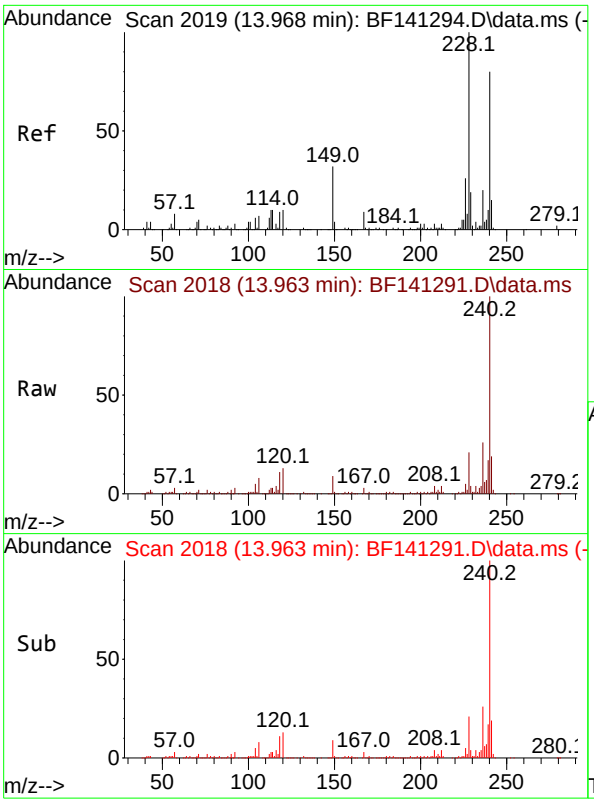


#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	17.6	0.0	37.5



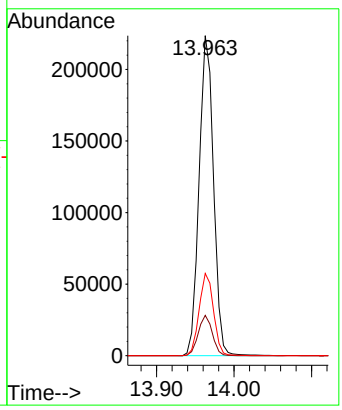


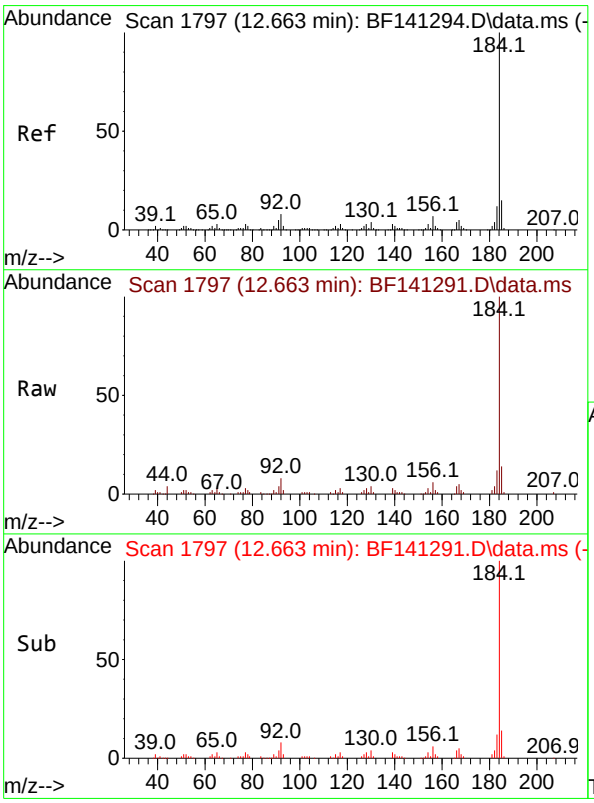
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 288657

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.0	15.0
236	25.7	19.7	29.5

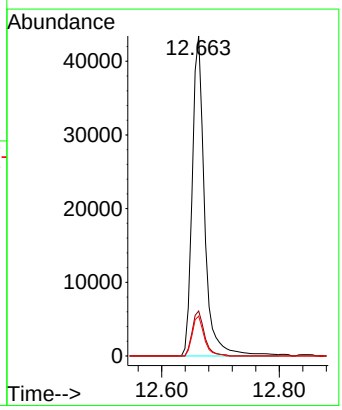


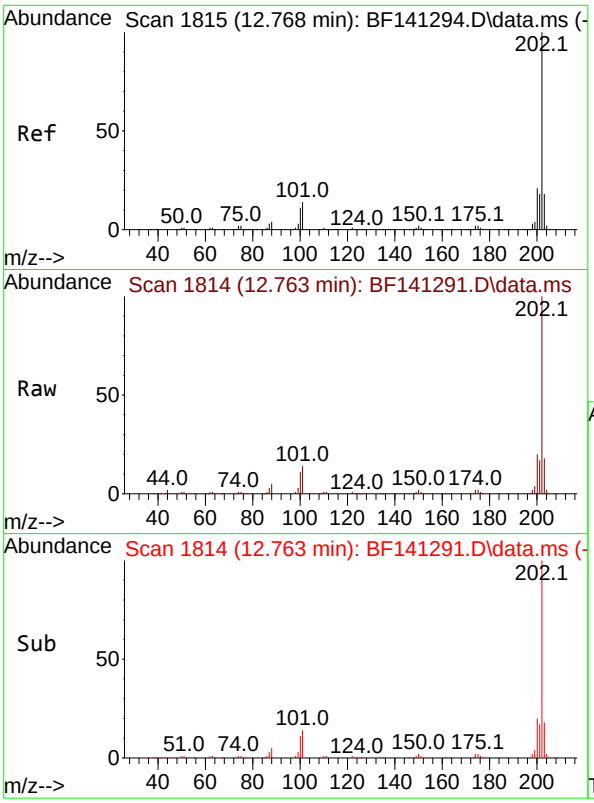


#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.9	17.9
183	12.4	9.5	14.3



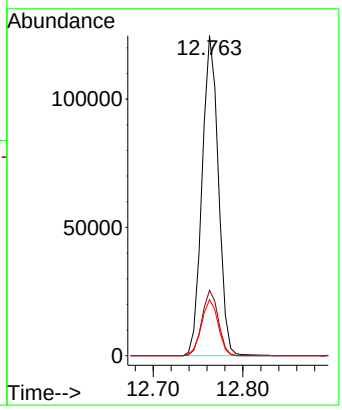


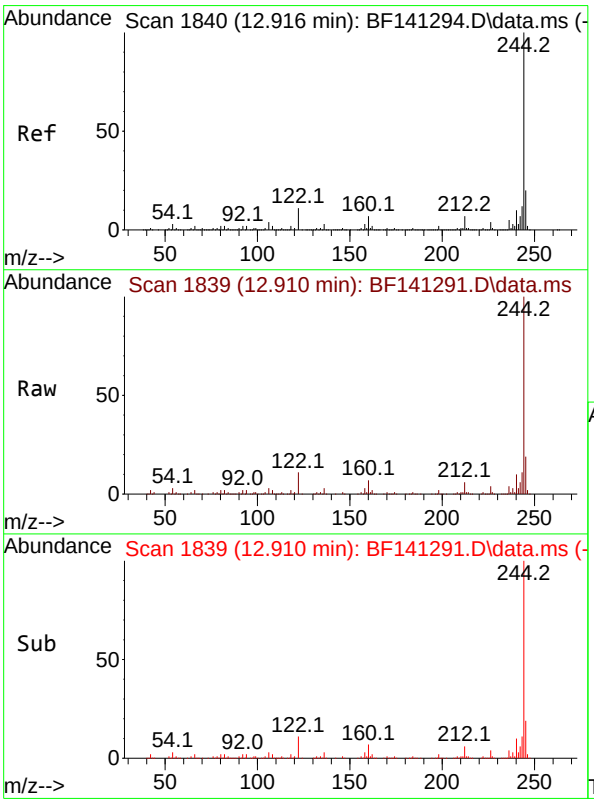
#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 157175

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.6	14.3	21.5

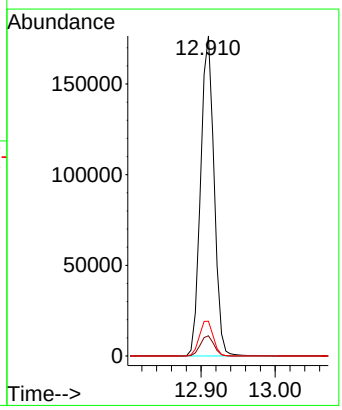


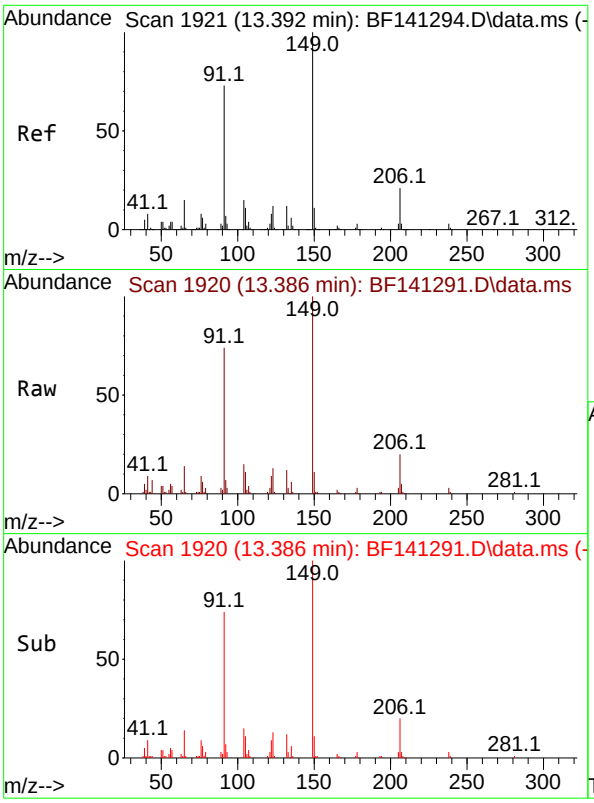


#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.9	8.8	13.2



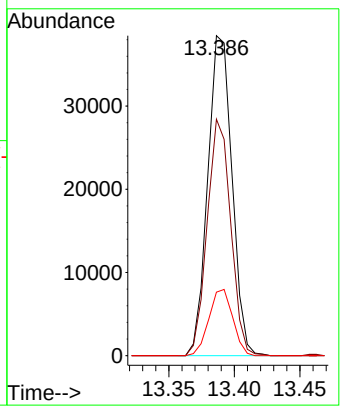


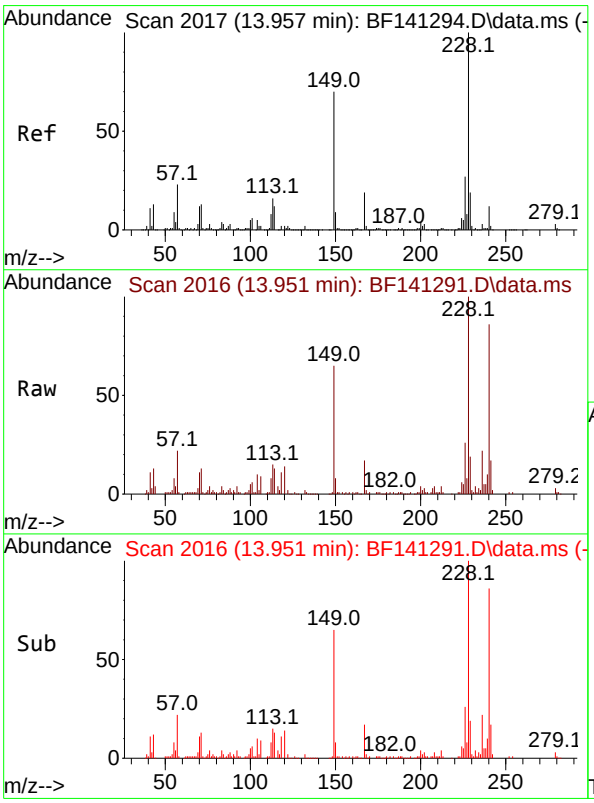
#80
Butylbenzylphthalate
Concen: 5.140 ng
RT: 13.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 49477

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.6	87.8
206	19.9	16.7	25.1

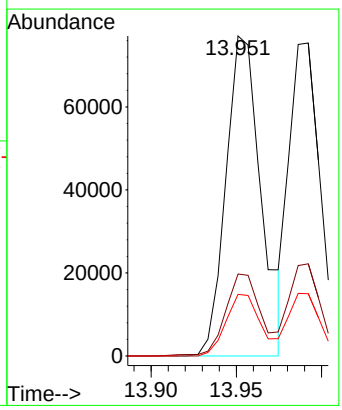


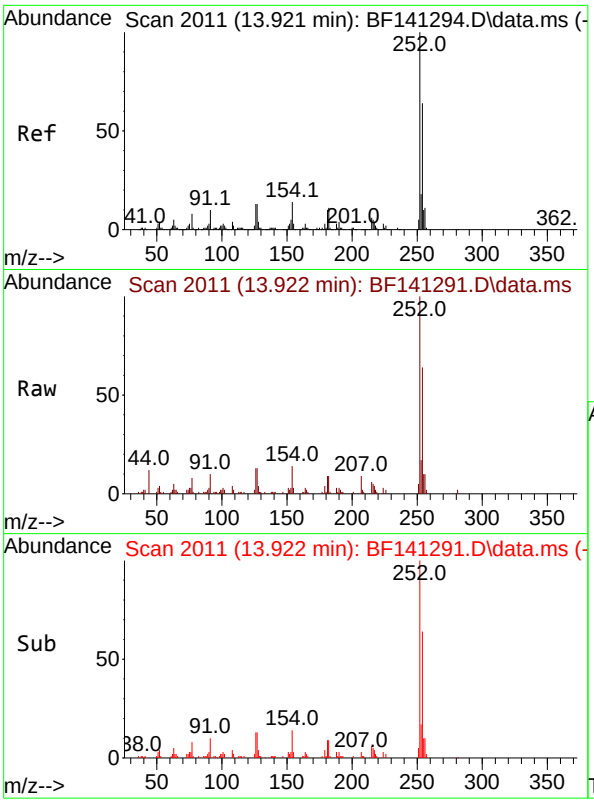


#81
Benzo(a)anthracene
Concen: 5.588 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 110559

Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.4	32.2
229	19.3	15.5	23.3



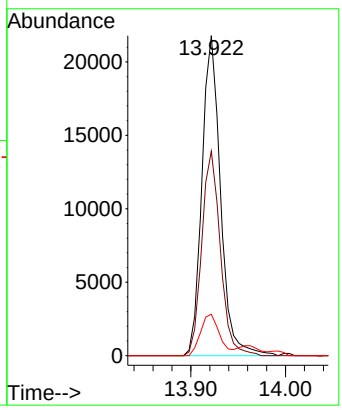


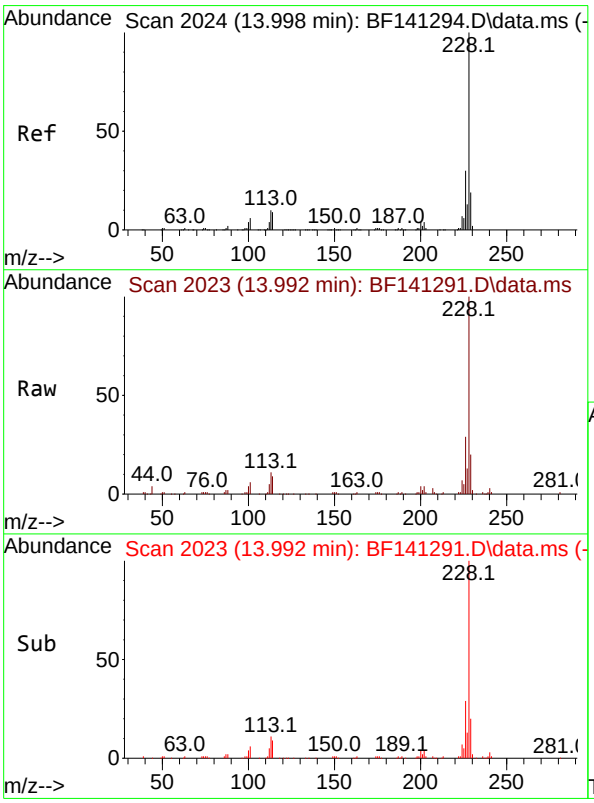
#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 29754

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	13.0	10.0	15.0

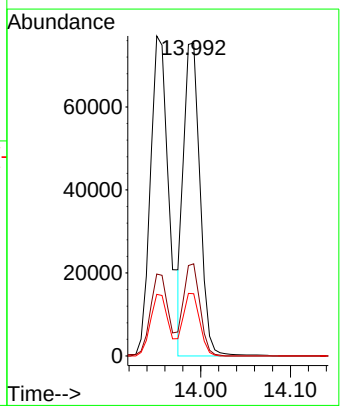


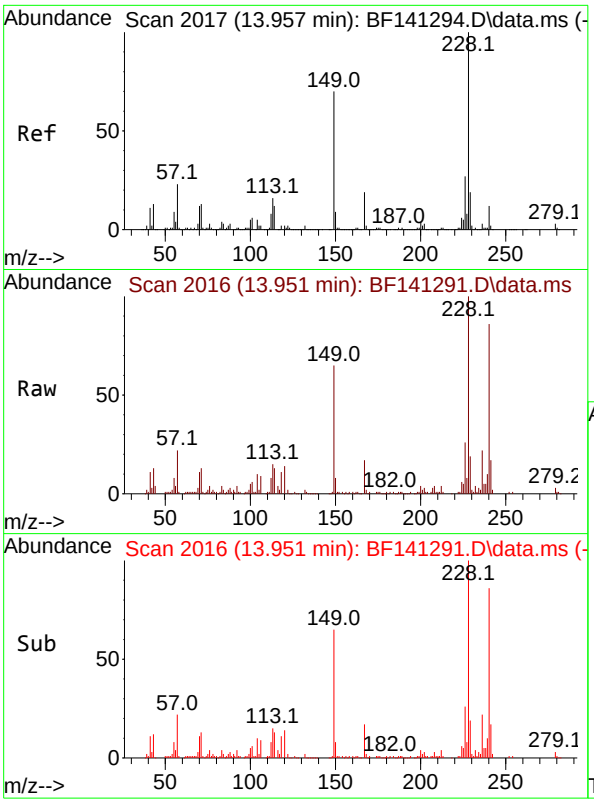


#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 96099

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.9	15.6	23.4



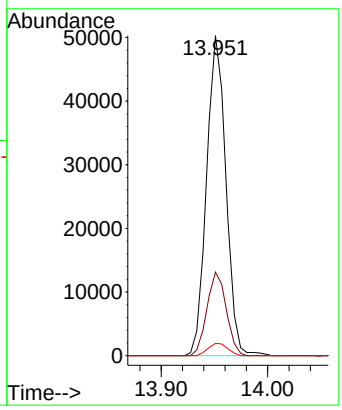


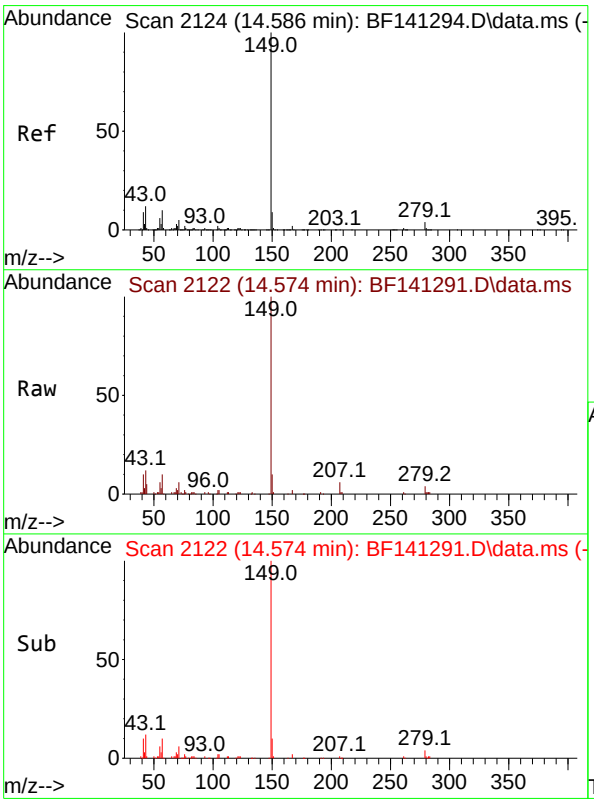
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 63638

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	3.9	3.3	4.9

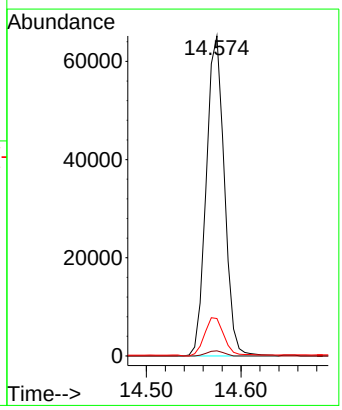


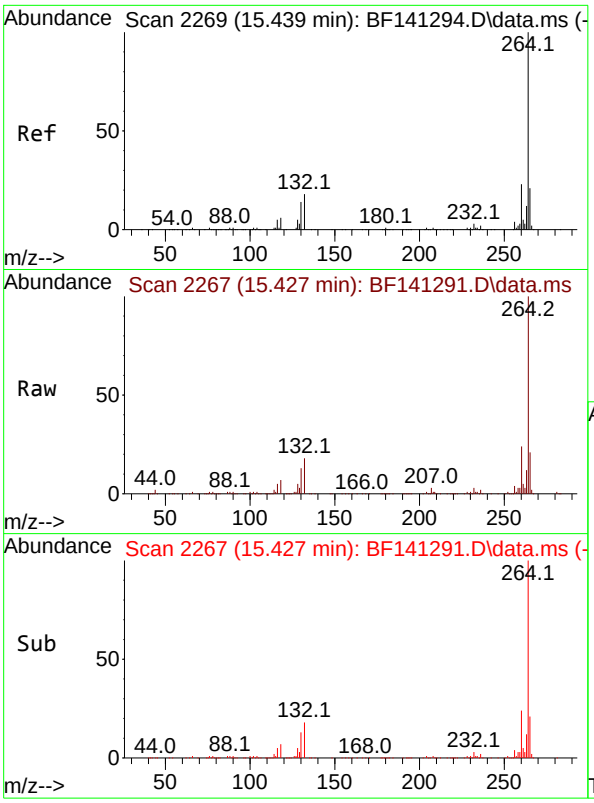


#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.3	9.8	14.8



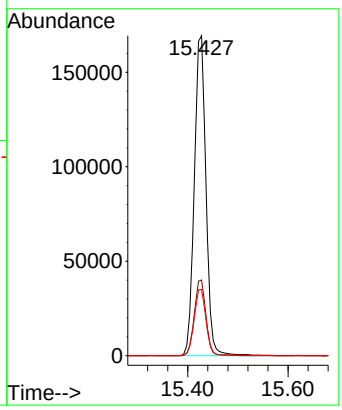


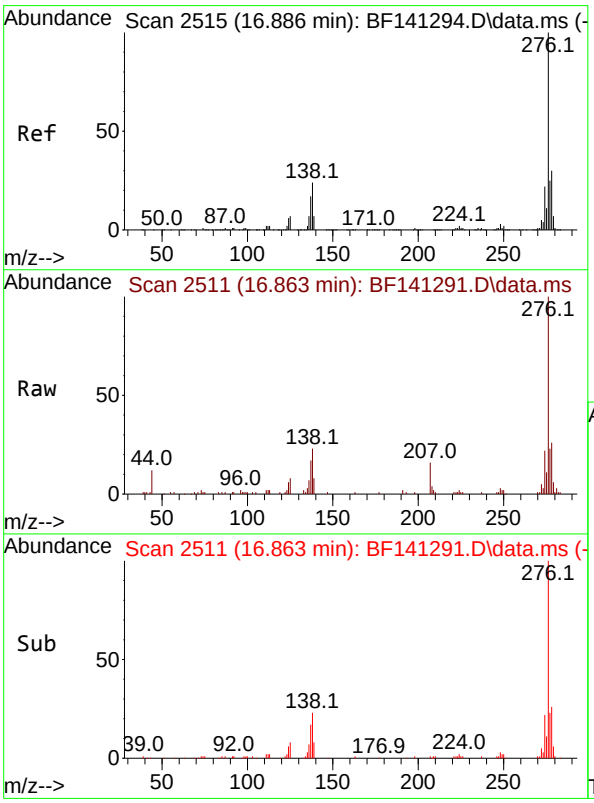
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 273117

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	20.7	16.7	25.1

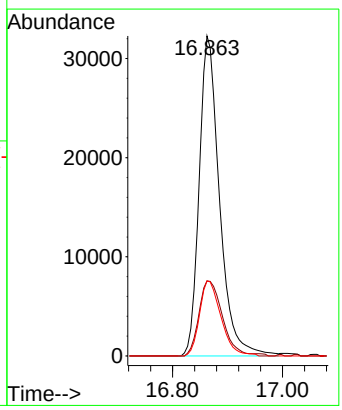


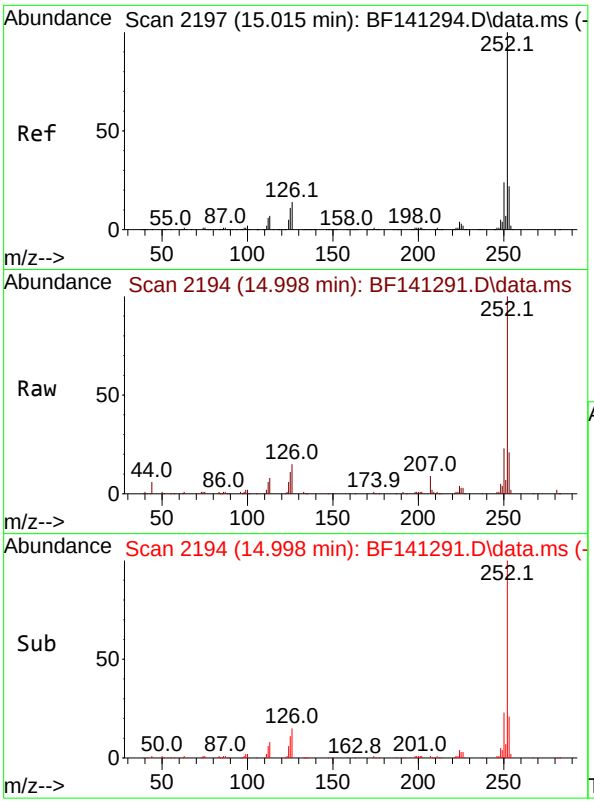


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	24.7	20.3	30.5



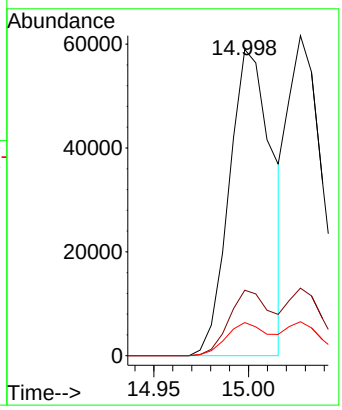


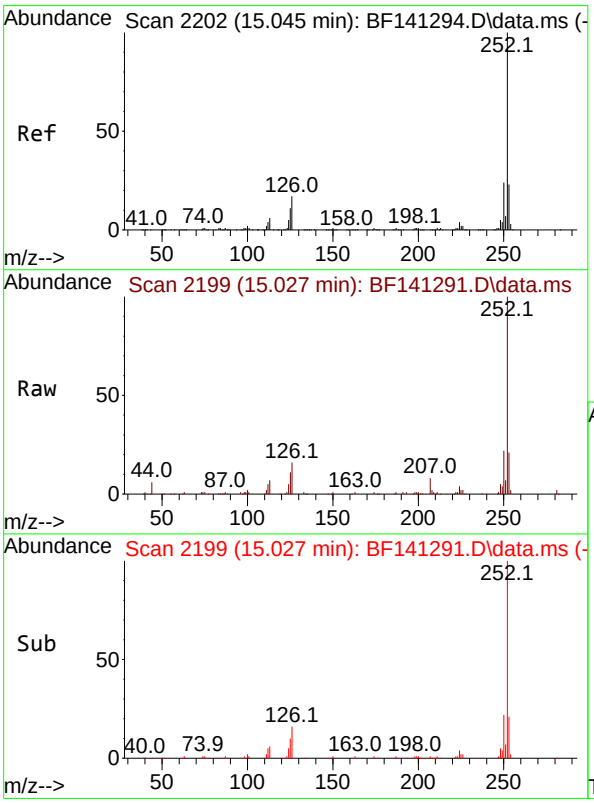
#88
Benzo(b)fluoranthene
Concen: 5.465 ng
RT: 14.998 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 92690

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	10.8	8.6	12.8

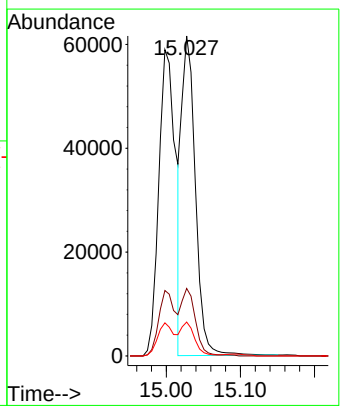


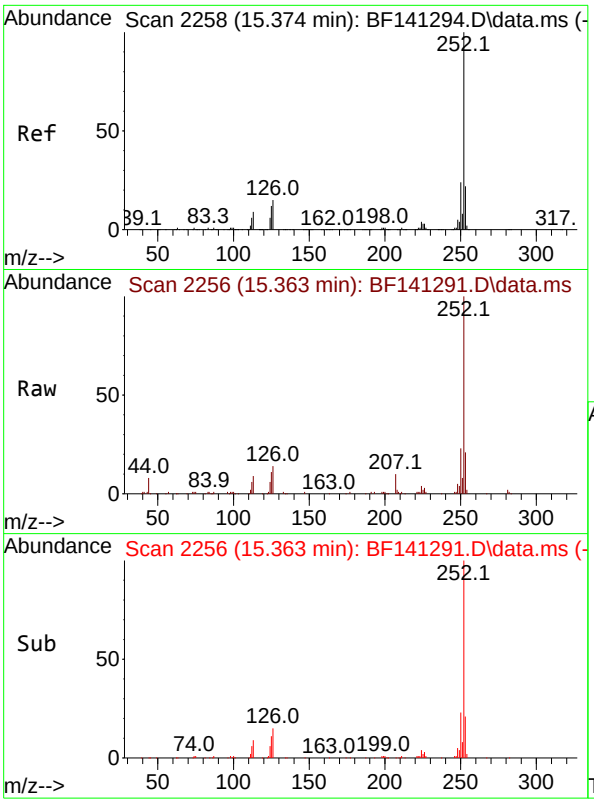


#89
Benzo(k)fluoranthene
Concen: 5.247 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:252 Resp: 79701

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	10.6	8.4	12.6



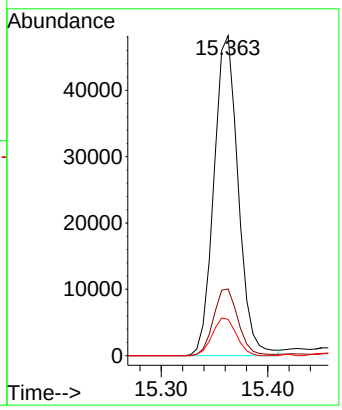


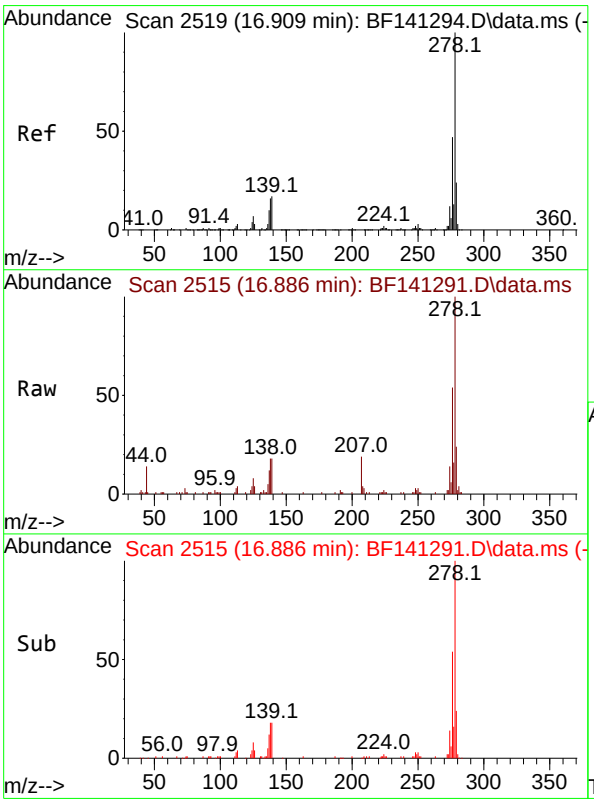
#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 76368

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.2	25.8
125	11.3	9.4	14.2

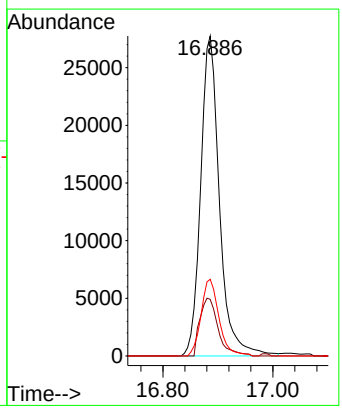


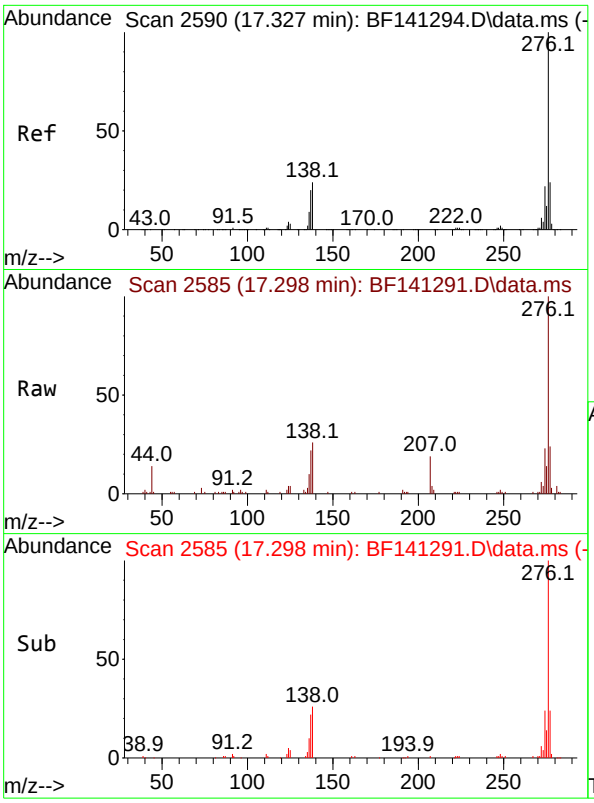


#91
Dibenzo(a,h)anthracene
Concen: 4.615 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:278 Resp: 65991

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	24.0	18.8	28.2



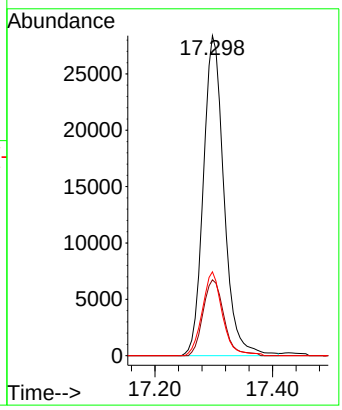


#92
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.298 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 69049

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	26.2	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

01/30/2025
Supervised By :mohammad ahmed

02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	289559	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	510795	20.000	ng	0.00
76) Chrysene-d12	13.969	240	308114	20.000	ng	0.00
86) Perylene-d12	15.433	264	280028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	183846	21.507	ng	0.00
7) Phenol-d6	6.416	99	237908	21.836	ng	-0.01
23) Nitrobenzene-d5	7.357	82	211040	20.937	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	57417	21.761	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	423852	22.581	ng	0.00
79) Terphenyl-d14	12.910	244	434781	21.713	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	39830	10.497	ng	98
3) Pyridine	3.222	79	93176	10.267	ng	99
4) n-Nitrosodimethylamine	3.152	42	52157	10.036	ng	98
6) Aniline	6.457	93	99872	10.968	ng	99
8) 2-Chlorophenol	6.581	128	99805	10.871	ng	95
9) Benzaldehyde	6.346	77	74679	11.803	ng	99
10) Phenol	6.434	94	124196	10.775	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	93367	10.533	ng	99
12) 1,3-Dichlorobenzene	6.740	146	110278	10.891	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109956	10.784	ng	99
14) 1,2-Dichlorobenzene	6.969	146	106335	11.160	ng	98
15) Benzyl Alcohol	6.934	79	79378	10.665	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	164185	10.661	ng	99
17) 2-Methylphenol	7.045	107	77643	10.446	ng	98
18) Hexachloroethane	7.310	117	40445	10.721	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	70075	10.815	ng	99
20) 3+4-Methylphenols	7.198	107	103360	11.310	ng	95
22) Acetophenone	7.204	105	139527	11.036	ng	98
24) Nitrobenzene	7.375	77	109497	10.474	ng	99
25) Isophorone	7.616	82	182564	10.480	ng	100
26) 2-Nitrophenol	7.692	139	49783	10.167	ng	98
27) 2,4-Dimethylphenol	7.728	122	63681m	10.177	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	117232	10.561	ng	98
29) 2,4-Dichlorophenol	7.934	162	79949	10.457	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	94419	10.767	ng	98
31) Naphthalene	8.098	128	305386	10.887	ng	99
32) Benzoic acid	7.798	122	47549	8.367	ng	99
33) 4-Chloroaniline	8.151	127	100852	10.703	ng	98
34) Hexachlorobutadiene	8.222	225	55103	10.736	ng	99
35) Caprolactam	8.481	113	25363	10.256	ng	100
36) 4-Chloro-3-methylphenol	8.622	107	87592	10.674	ng	98
37) 2-Methylnaphthalene	8.792	142	195160	10.925	ng	99
38) 1-Methylnaphthalene	8.892	142	192861	11.022	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	88710	10.775	ng	99
41) Hexachlorocyclopentadiene	8.945	237	22759	9.212	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	55036	10.241	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

01/30/2025
Supervised By :mohammad ahmed

02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
50) Dimethylphthalate	9.551	163	210816	10.857	ng	100
51) 2,6-Dinitrotoluene	9.616	165	47955	10.613	ng	97
52) Acenaphthene	9.869	154	188283	10.738	ng	100
53) 3-Nitroaniline	9.781	138	47818	10.699	ng	95
54) 2,4-Dinitrophenol	9.892	184	14749	6.925	ng	98
55) Dibenzofuran	10.039	168	258832	11.038	ng	99
56) 4-Nitrophenol	9.939	139	31196	9.722	ng	98
57) 2,4-Dinitrotoluene	10.016	165	62418	10.710	ng	99
58) Fluorene	10.381	166	204141	11.197	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	49596	10.737	ng	100
60) Diethylphthalate	10.257	149	205131	10.908	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	100485	11.294	ng	100
62) 4-Nitroaniline	10.392	138	45222	10.533	ng	99
63) Azobenzene	10.534	77	204300	10.839	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	26939	8.831	ng	91
66) n-Nitrosodiphenylamine	10.492	169	174617	10.544	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	59770	10.468	ng	96
68) Hexachlorobenzene	10.928	284	63908	10.551	ng	100
69) Atrazine	11.016	200	51633	9.295	ng	99
70) Pentachlorophenol	11.128	266	34788	9.796	ng	99
71) Phenanthrene	11.345	178	298892	10.893	ng	99
72) Anthracene	11.398	178	292813	10.940	ng	99
73) Carbazole	11.551	167	258853	10.919	ng	99
74) Di-n-butylphthalate	11.886	149	316336	11.070	ng	99
75) Fluoranthene	12.533	202	306969	11.462	ng	99
77) Benzidine	12.657	184	73918	7.890	ng	98
78) Pyrene	12.763	202	317744	10.681	ng	99
80) Butylbenzylphthalate	13.386	149	106335	10.349	ng	99
81) Benzo(a)anthracene	13.957	228	217291	10.289	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	65021	9.833	ng	99
83) Chrysene	13.992	228	204080	10.421	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	139099	10.789	ng	99
85) Di-n-octyl phthalate	14.580	149	195129	9.676	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	177554	9.708	ng	100
88) Benzo(b)fluoranthene	15.010	252	193558	11.130	ng	99
89) Benzo(k)fluoranthene	15.039	252	155925	10.012	ng	99
90) Benzo(a)pyrene	15.374	252	148214	9.972	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	140143	9.559	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150453	9.756	ng	99

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

ICAL Form

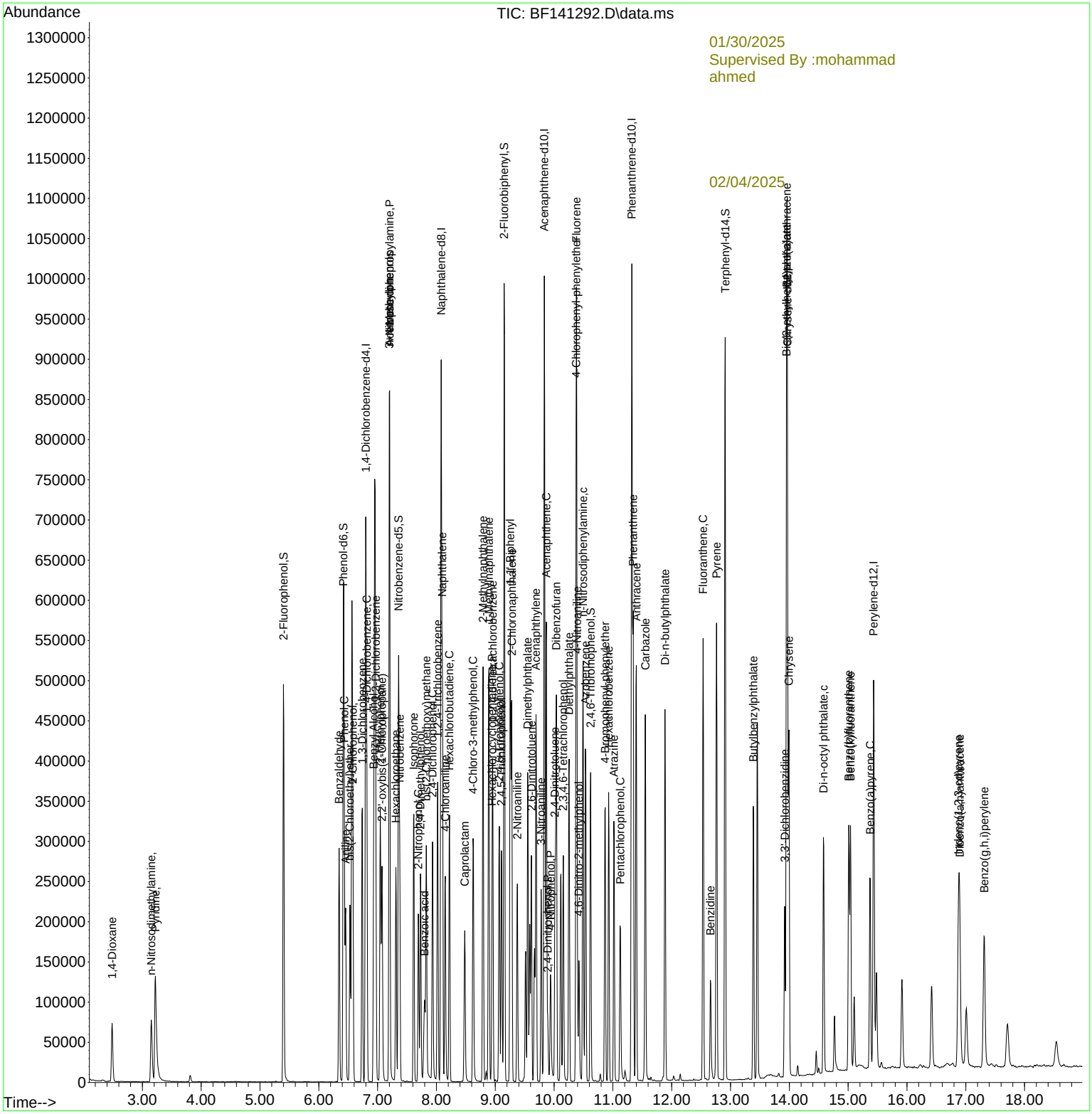
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Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

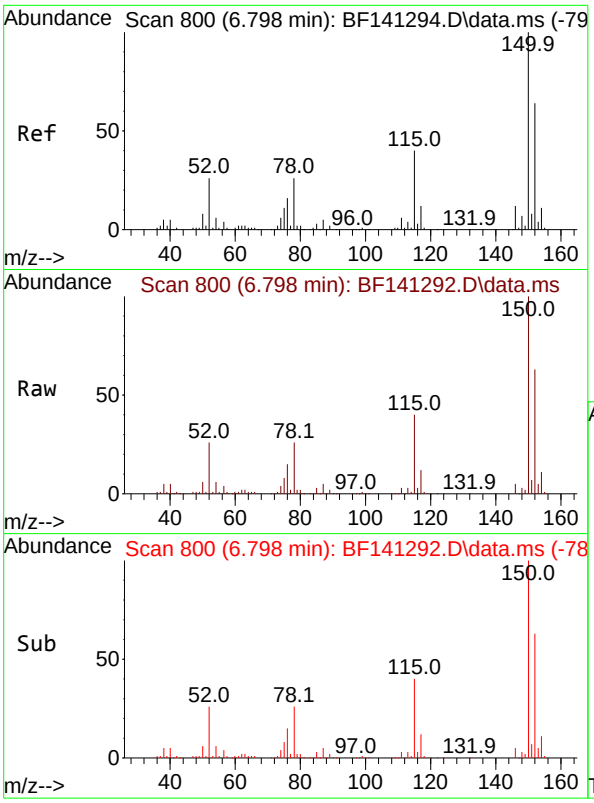
Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

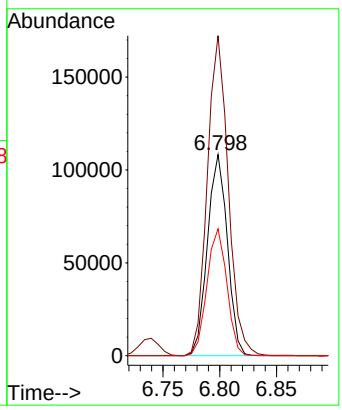




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 13220(

Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.9	188.9
115	63.1	49.7	74.5



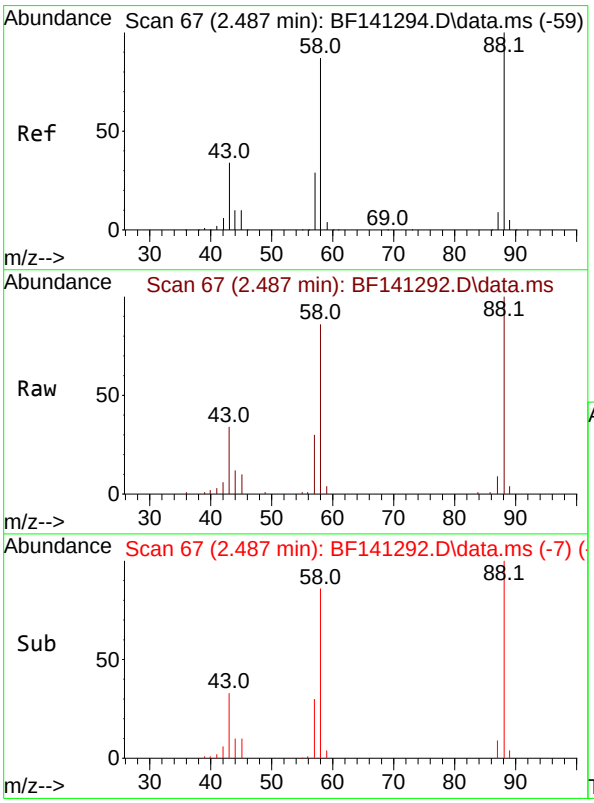
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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01/30/2025
Supervised By :mohammad ahmed

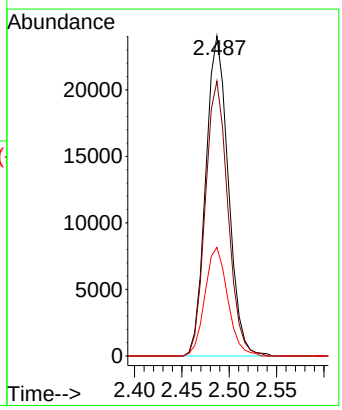
02/04/2025

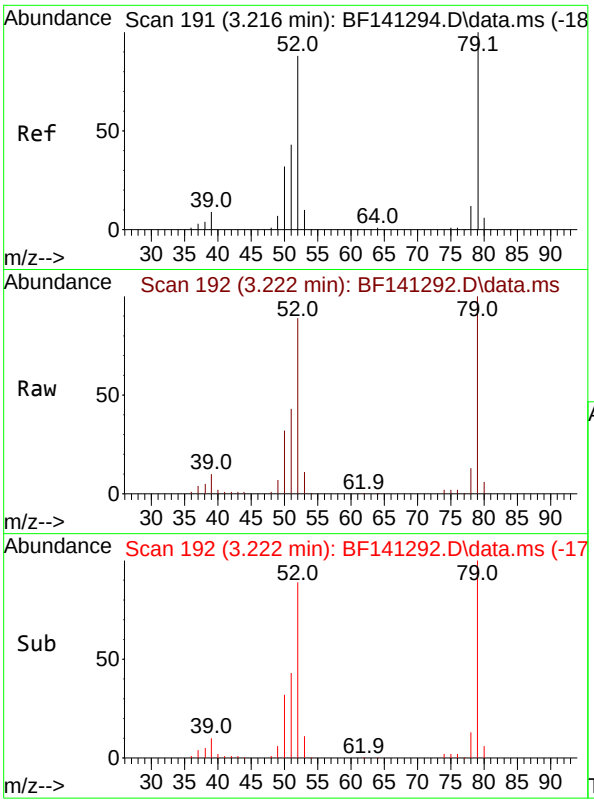


#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 88 Resp: 39830

Ion	Ratio	Lower	Upper
88	100		
58	85.5	70.2	105.4
43	34.3	27.6	41.4

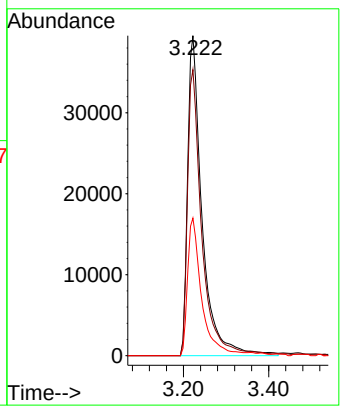




#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 79 Resp: 9317

Ion	Ratio	Lower	Upper
79	100		
52	89.4	70.3	105.5
51	43.0	34.3	51.5



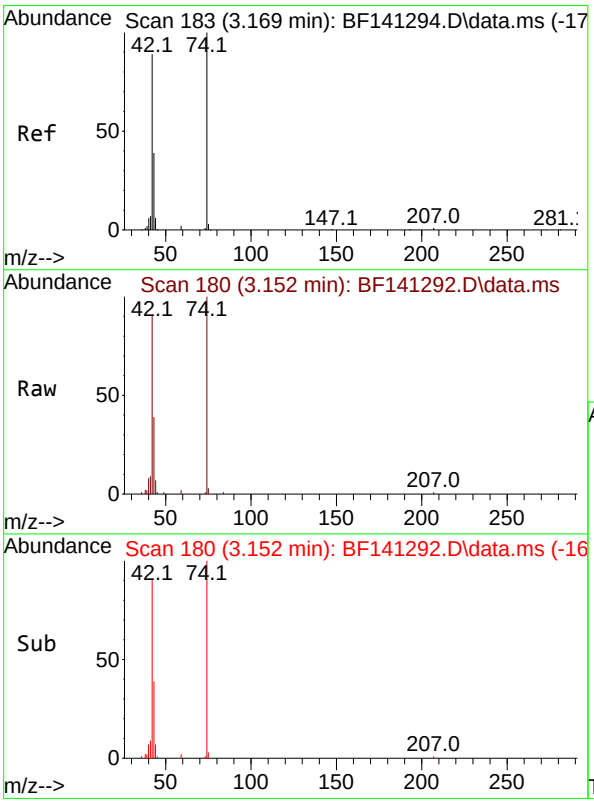
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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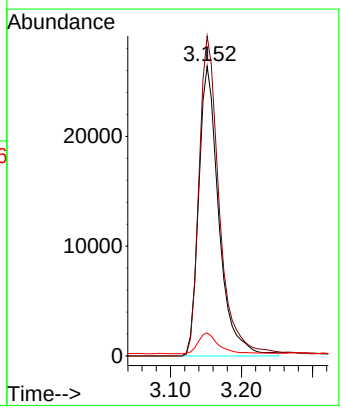
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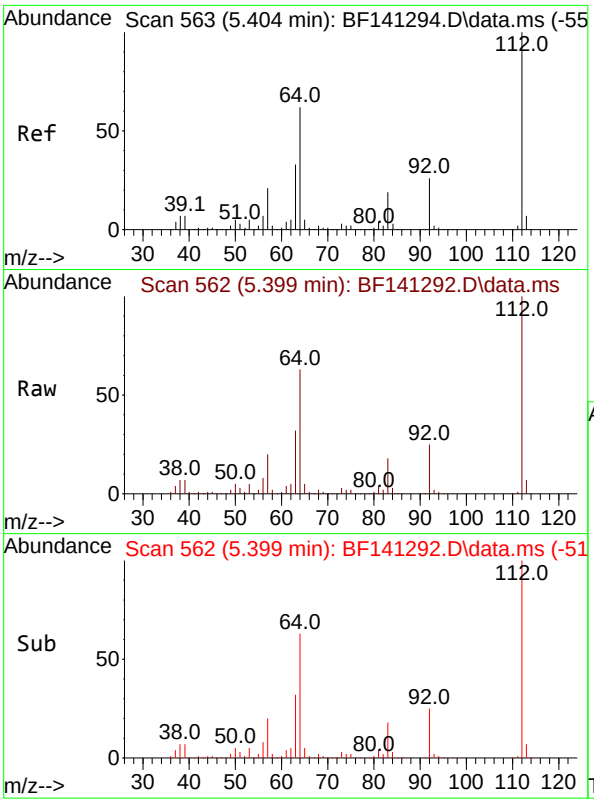


#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 42 Resp: 52157

Ion	Ratio	Lower	Upper
42	100		
74	110.5	90.3	135.5
44	8.0	5.7	8.5

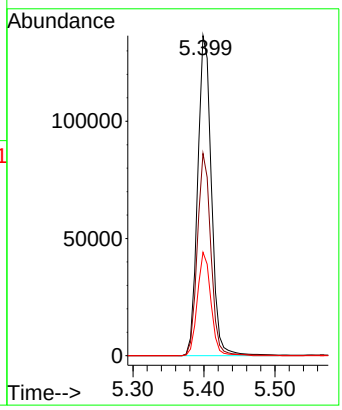




#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:112 Resp: 18384

Ion	Ratio	Lower	Upper
112	100		
64	63.2	49.8	74.8
63	32.3	26.1	39.1



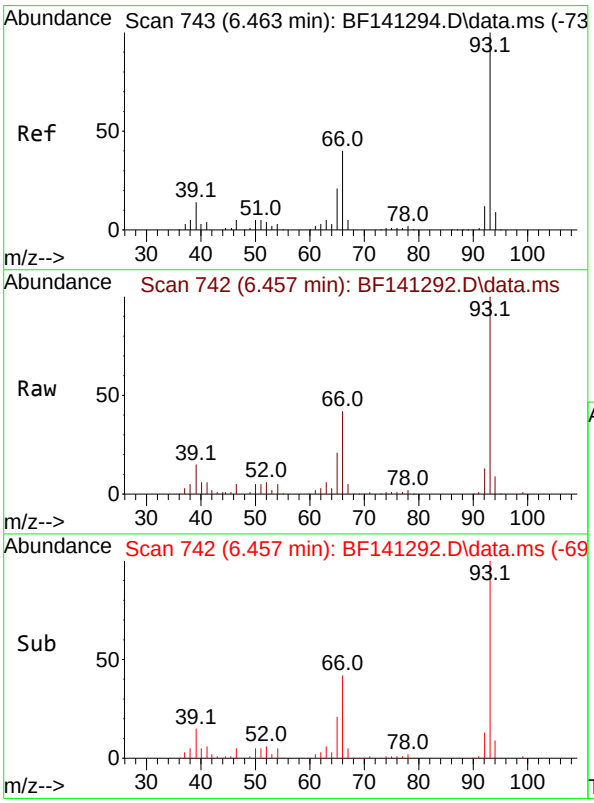
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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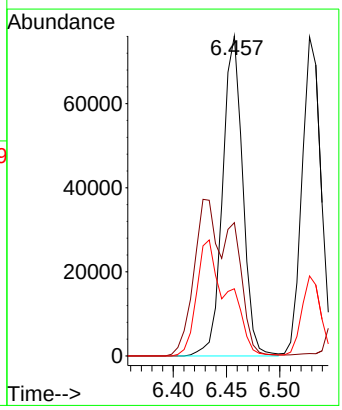
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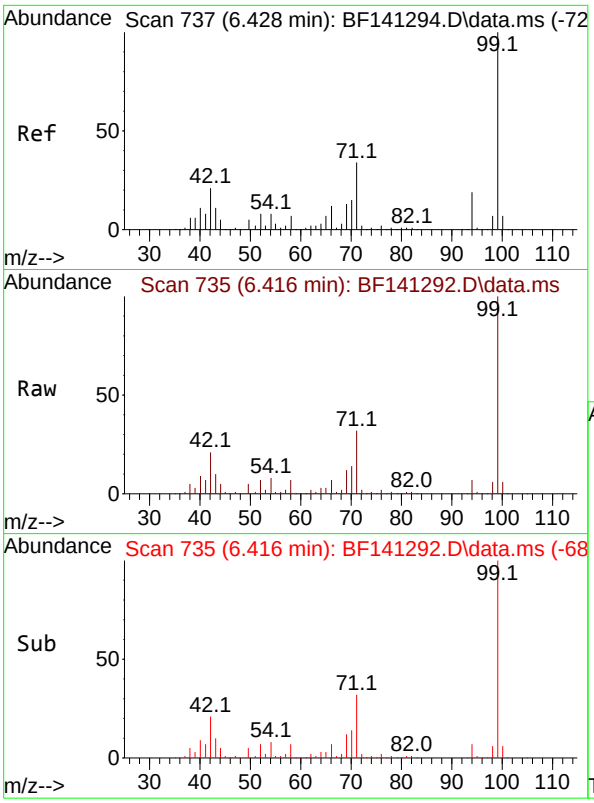


#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872

Ion	Ratio	Lower	Upper
93	100		
66	41.7	32.5	48.7
65	21.0	17.0	25.6

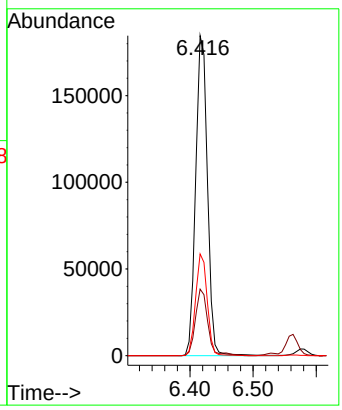




#7
Phenol-d6
Concen: 21.836 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 99 Resp: 23790

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	31.8	26.9	40.3



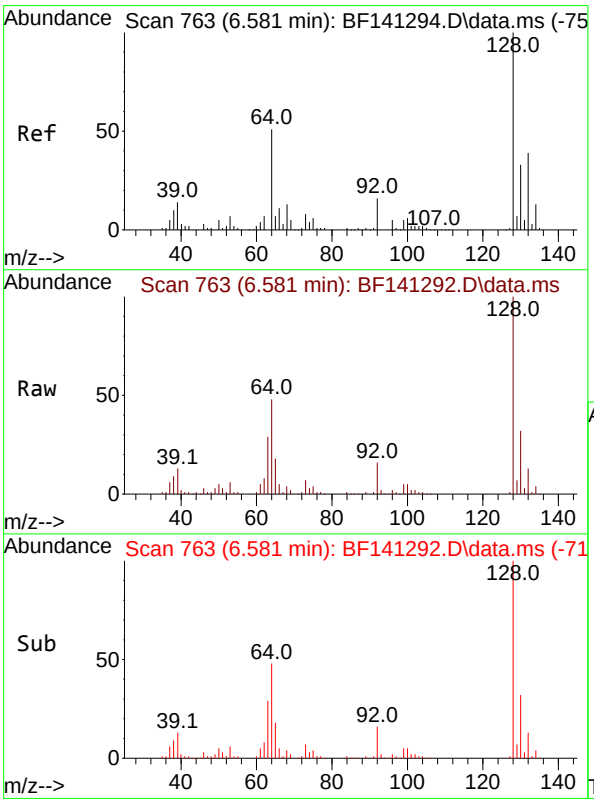
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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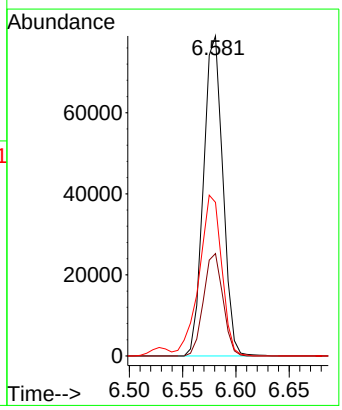
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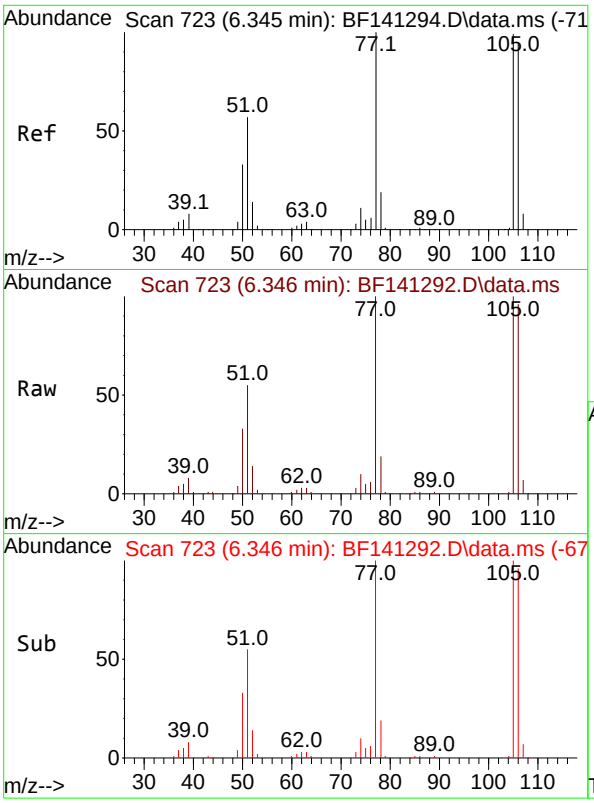


#8
2-Chlorophenol
Concen: 10.871 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:128 Resp: 99805

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.5	52.5
64	48.0	32.9	72.9

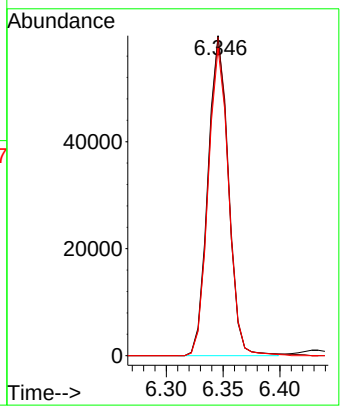




#9
Benzaldehyde
Concen: 11.803 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 7467

Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.4	119.4
106	96.1	74.6	114.6



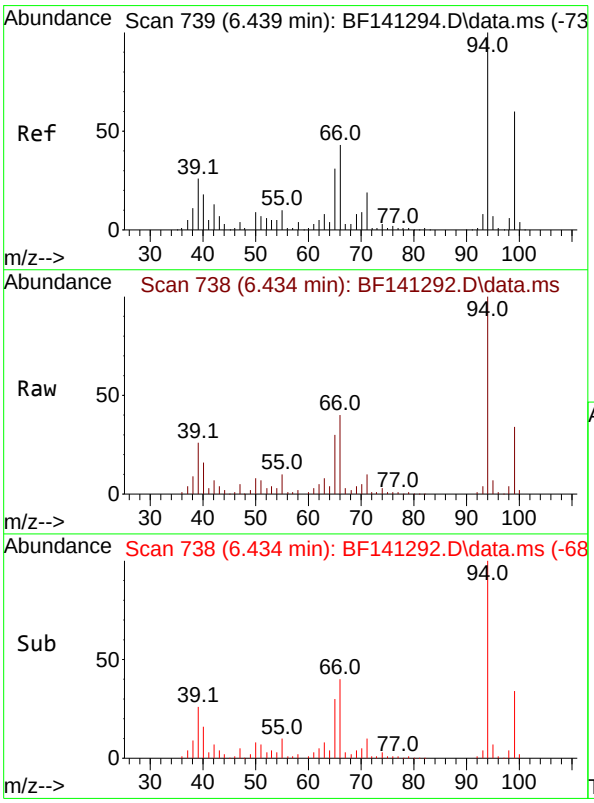
Instrument :
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ClientSampleId :
SSTDICC010

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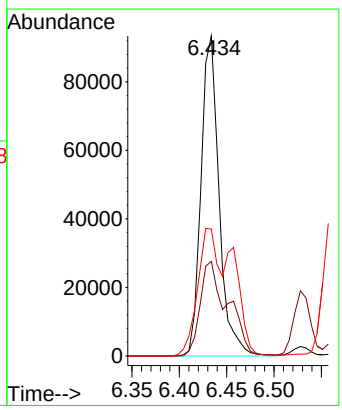
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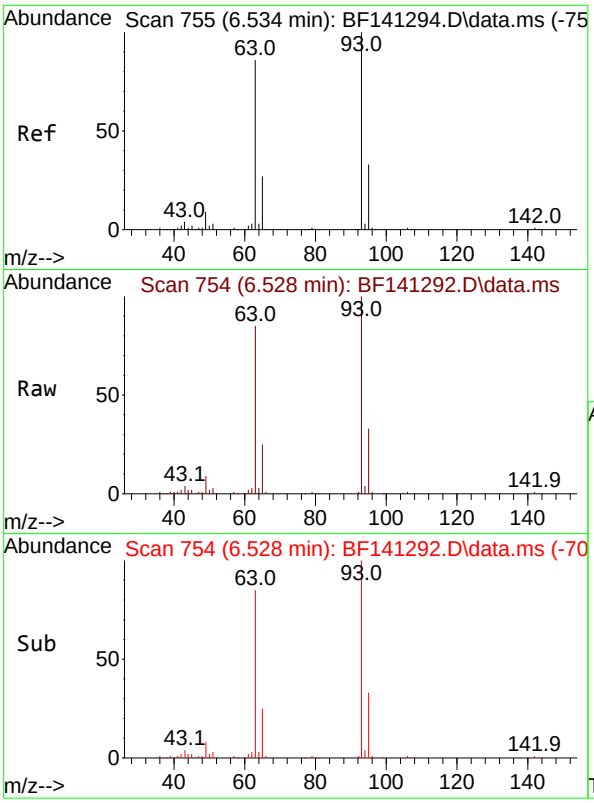


#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 94 Resp: 124196

Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.8	50.8
66	39.7	23.3	63.3

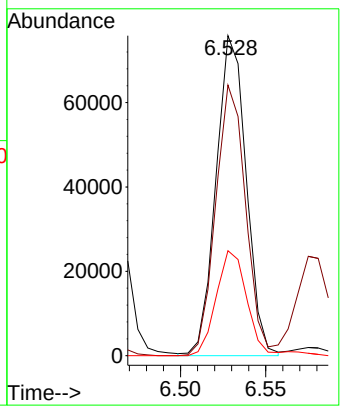




#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 9336

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.8	12.4	52.4



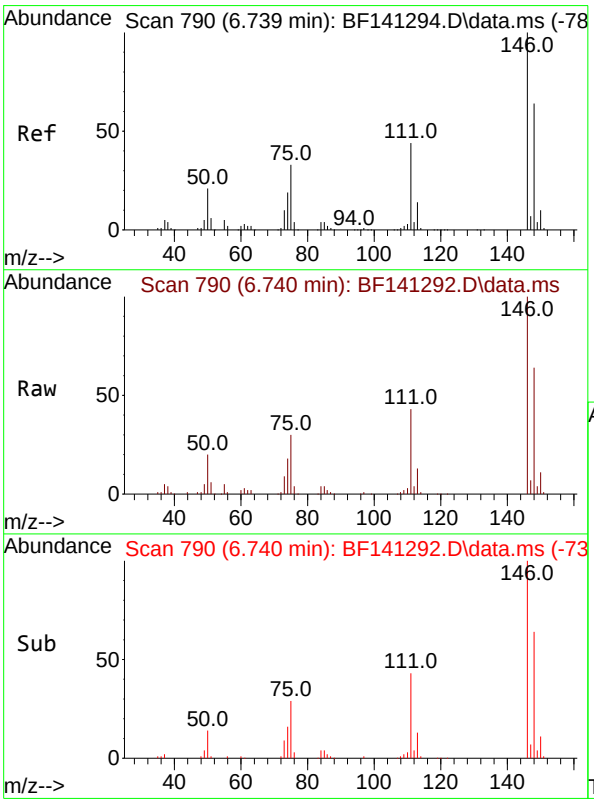
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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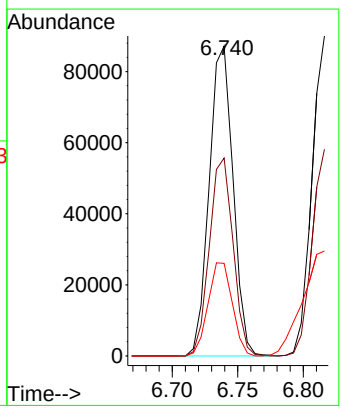
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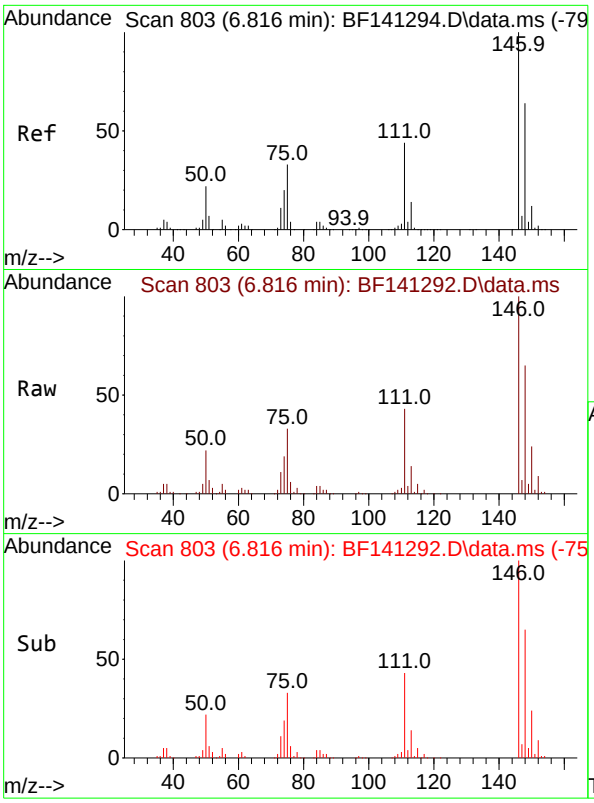


#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 110278

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
75	29.9	26.2	39.4

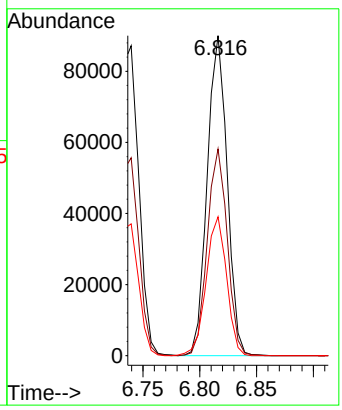




#13
1,4-Dichlorobenzene
Concen: 10.784 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 10995(

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
111	43.4	35.0	52.4



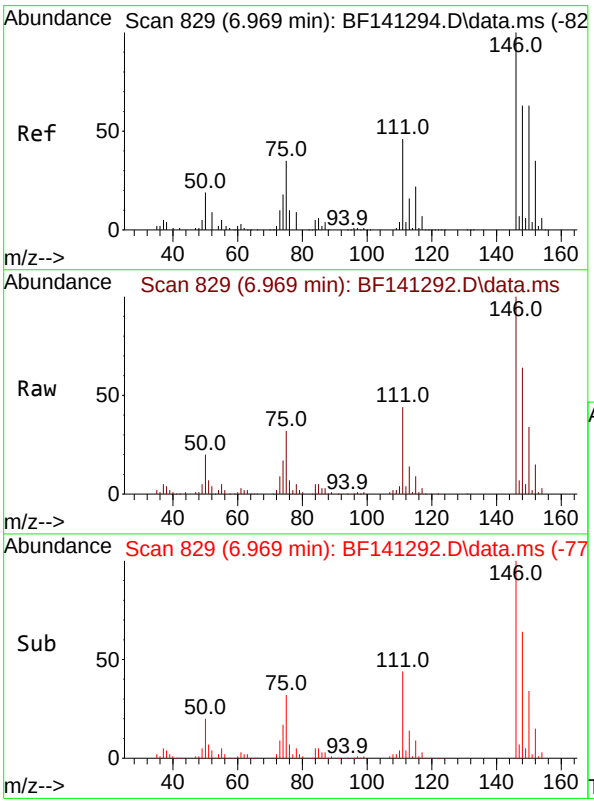
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ClientSampleId :
SSTDICC010

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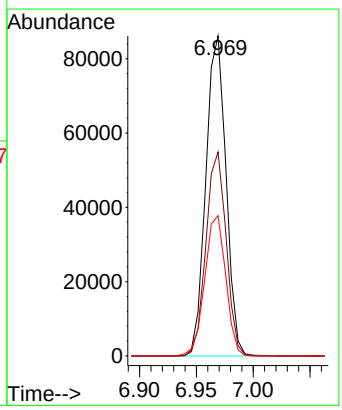
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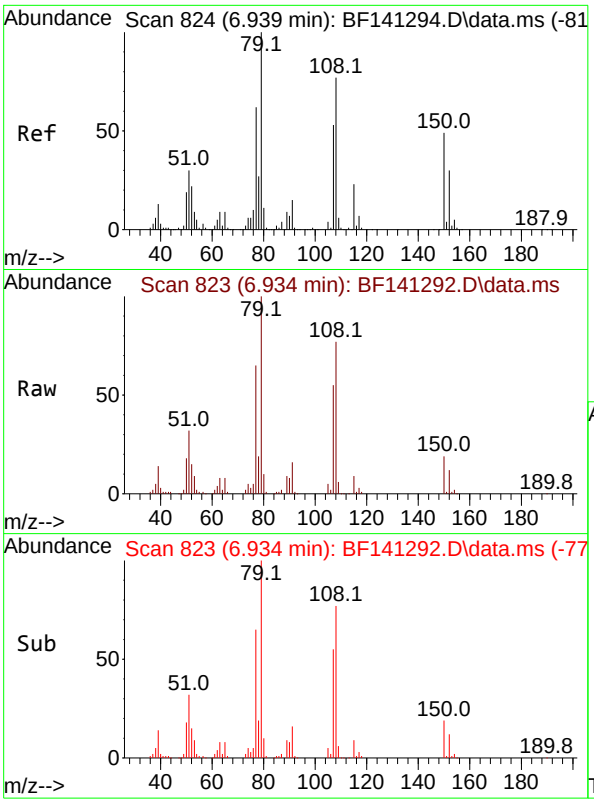


#14
1,2-Dichlorobenzene
Concen: 11.160 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 106335

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	43.8	36.6	55.0





#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

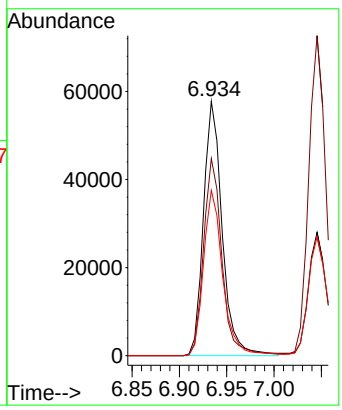
Tgt Ion: 79 Resp: 7937

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.4	92.0
77	65.0	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

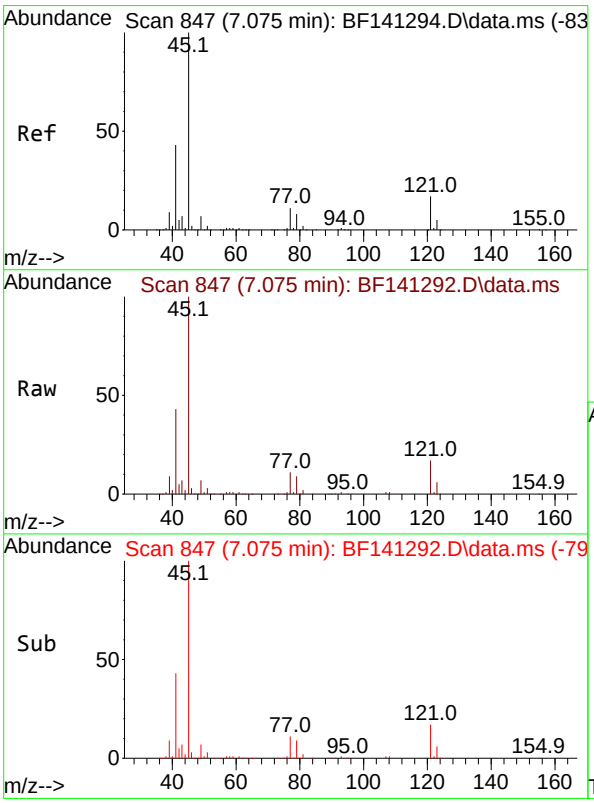
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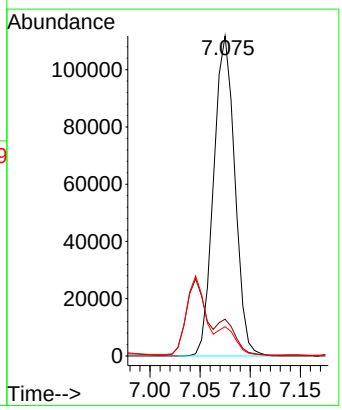
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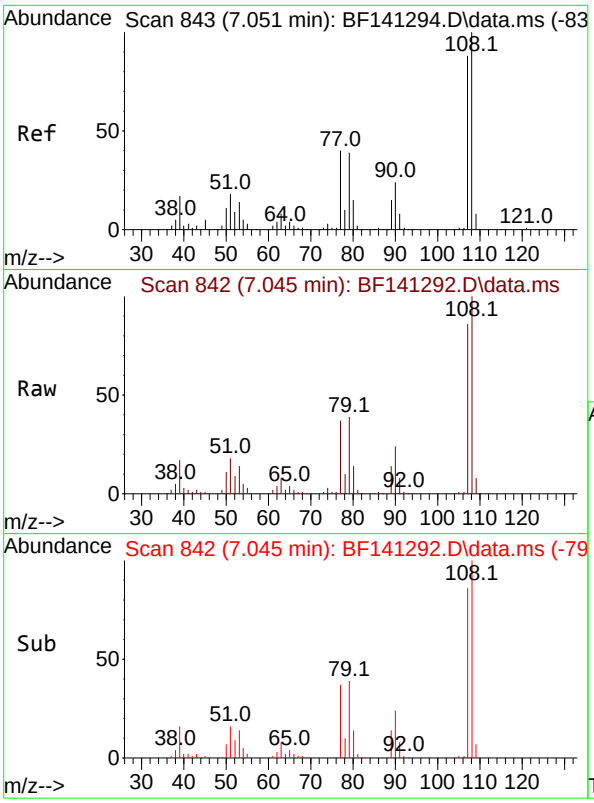


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 45 Resp: 164185

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.8
79	9.2	0.0	29.1

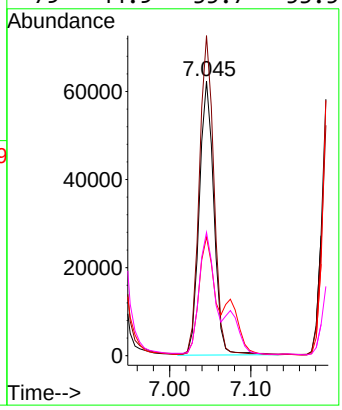




#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 7764

Ion	Ratio	Lower	Upper
107	100		
108	116.6	90.8	136.2
77	43.3	36.2	54.4
79	44.9	35.7	53.5



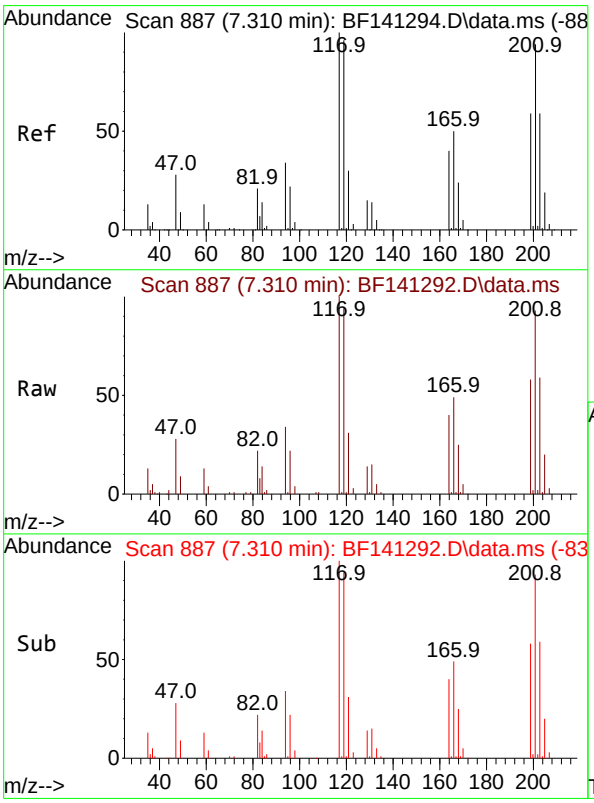
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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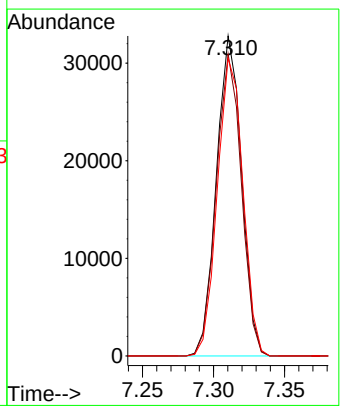
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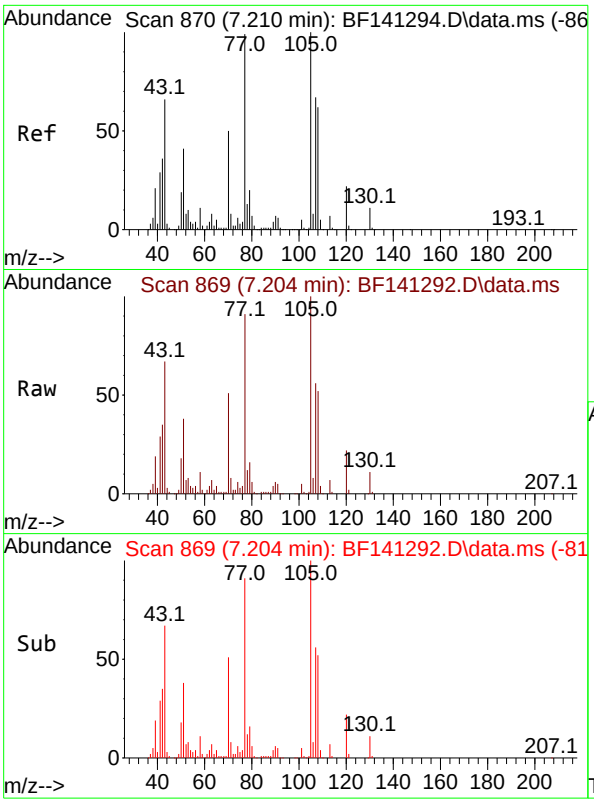


#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:117 Resp: 40445

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	114.8
201	93.1	74.8	112.2

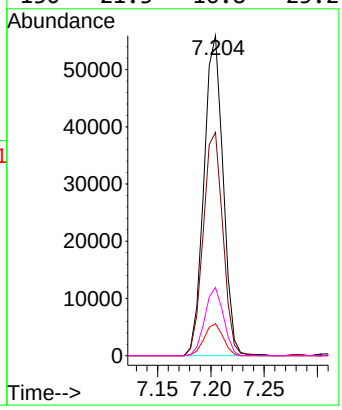




#19
n-Nitroso-di-n-propylamine
Concen: 10.815 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 70 Resp: 7007

Ion	Ratio	Lower	Upper
70	100		
42	69.8	56.8	85.2
101	10.0	7.7	11.5
130	21.3	16.8	25.2



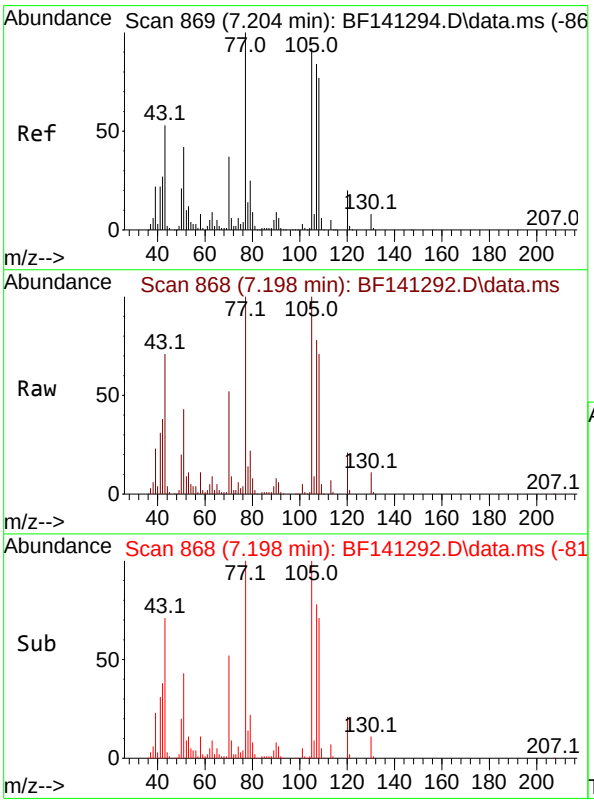
Instrument :
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ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

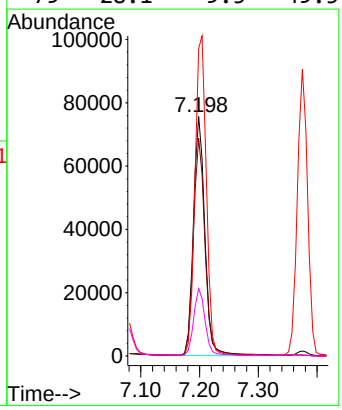
02/04/2025

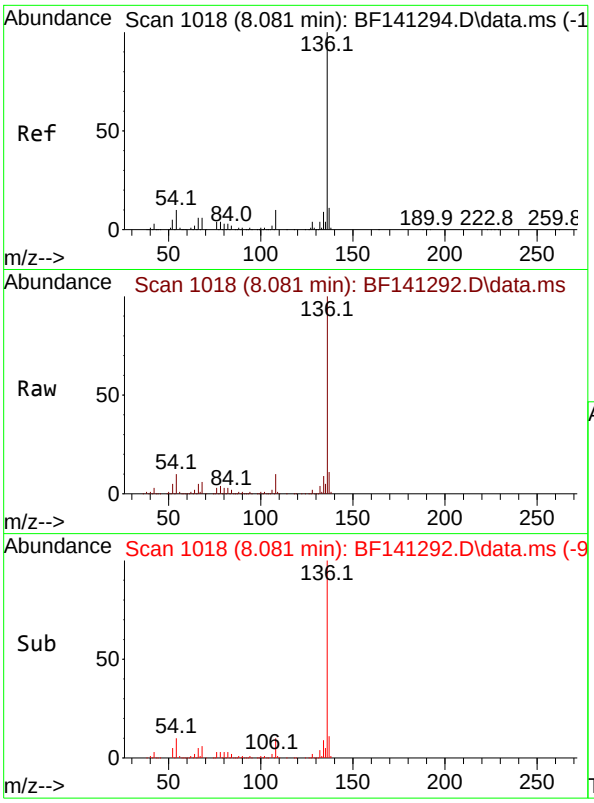


#20
3+4-Methylphenols
Concen: 11.310 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

Ion	Ratio	Lower	Upper
107	100		
108	91.0	70.9	110.9
77	128.4	98.5	138.5
79	28.1	9.5	49.5

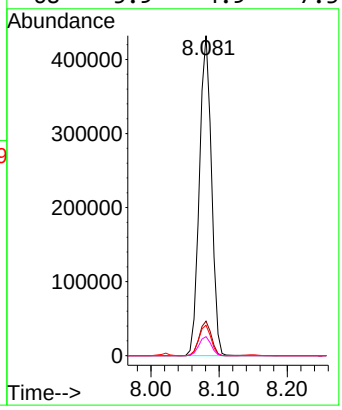




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:136 Resp: 53332(

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



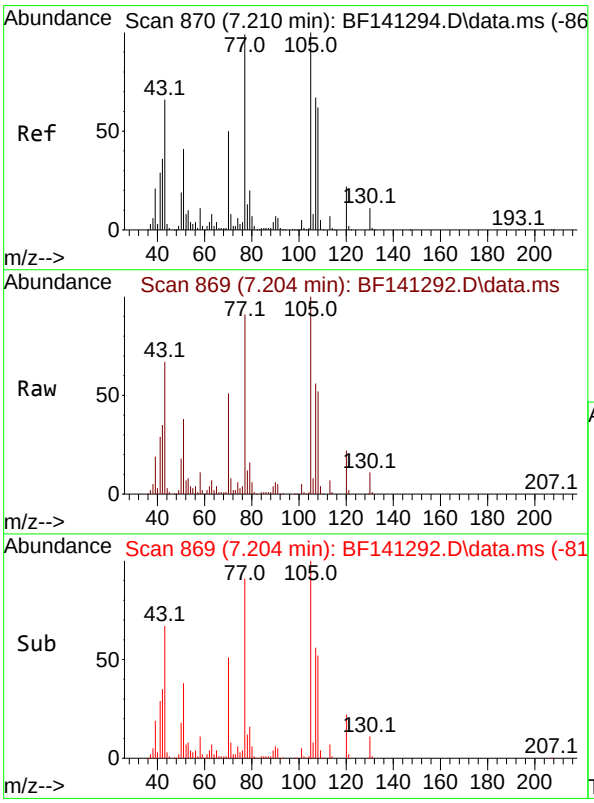
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

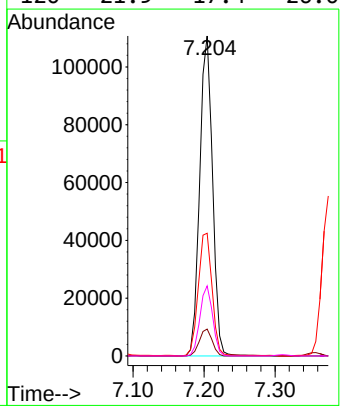
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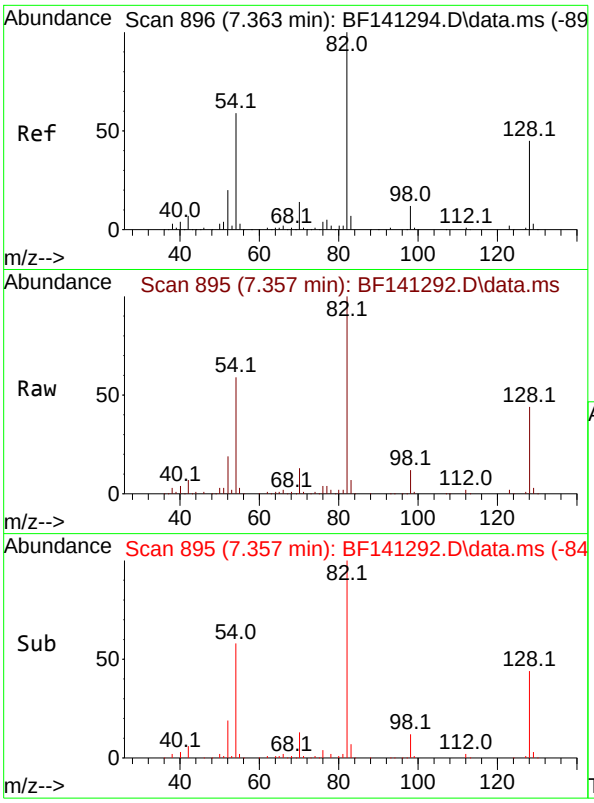


#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:105 Resp: 139527

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	38.3	32.6	49.0
120	21.9	17.4	26.0

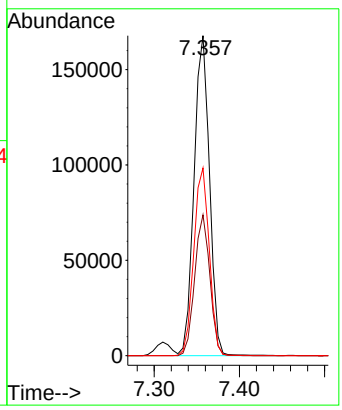




#23
Nitrobenzene-d5
Concen: 20.937 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 21104

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	58.7	47.1	70.7



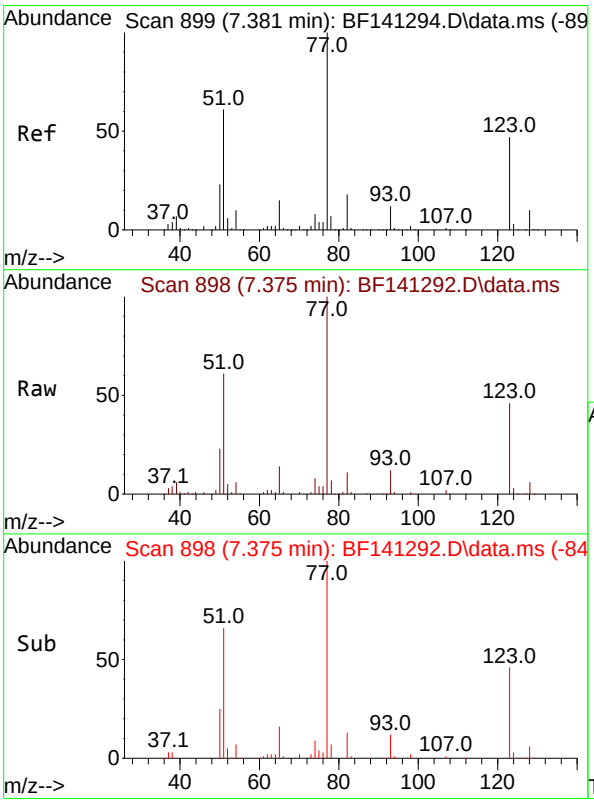
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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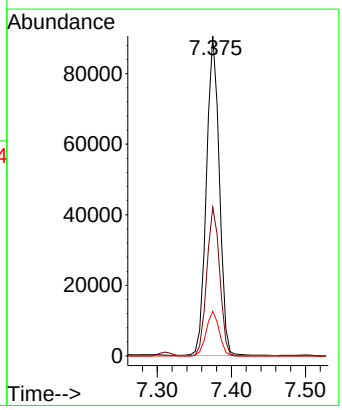
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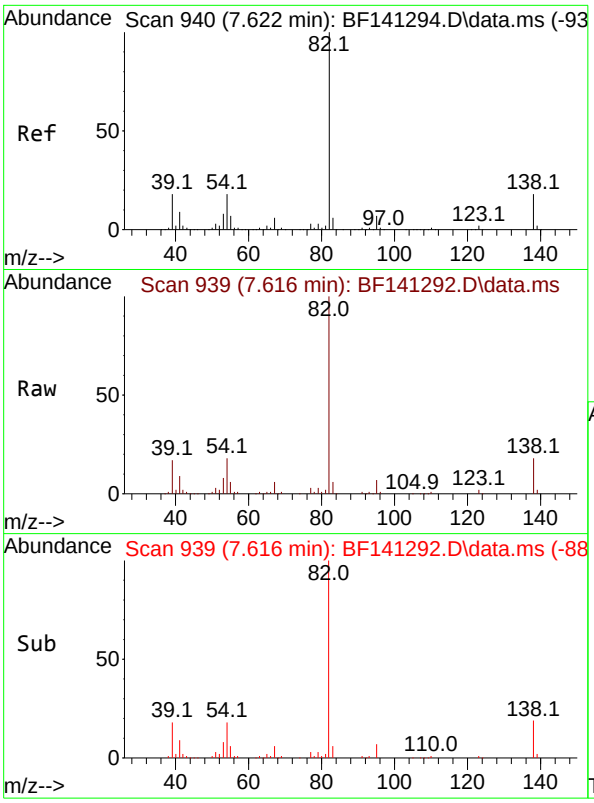


#24
Nitrobenzene
Concen: 10.474 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 109497

Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.3	55.9
65	14.0	11.8	17.6

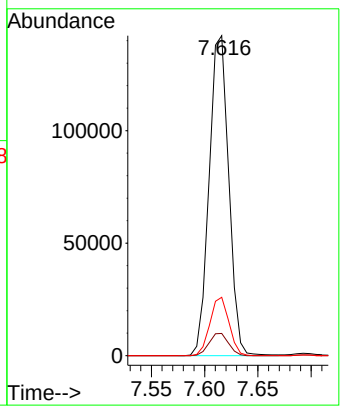




#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 18256

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.6
138	18.2	14.7	22.1



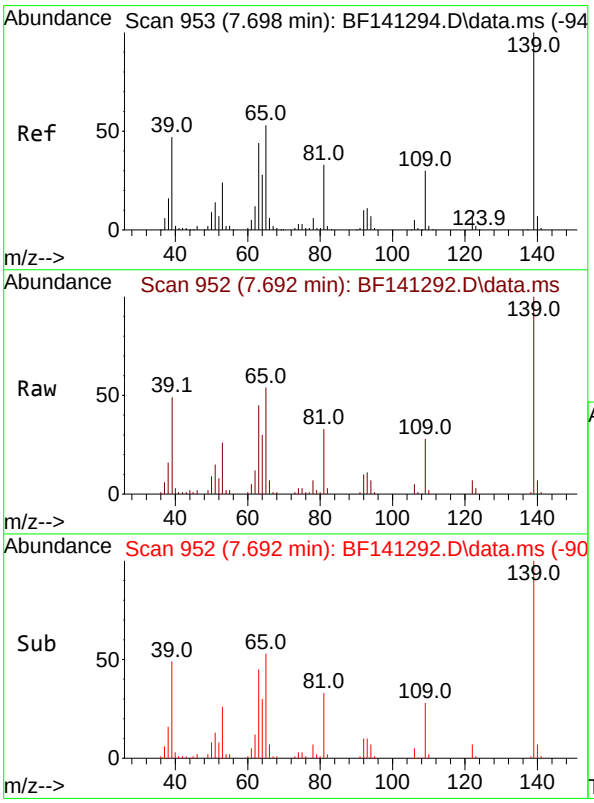
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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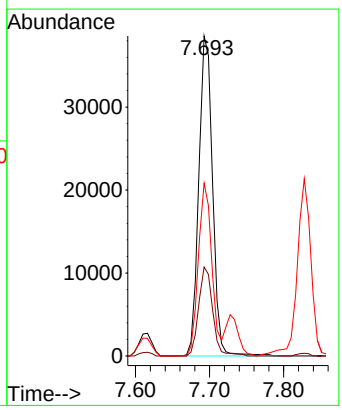
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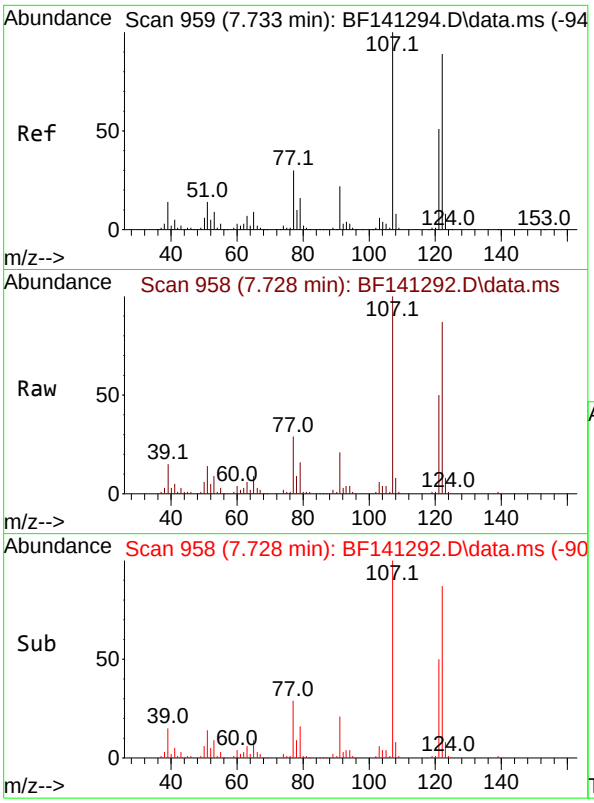


#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 49783

Ion	Ratio	Lower	Upper
139	100		
109	27.8	23.8	35.6
65	54.0	42.2	63.4

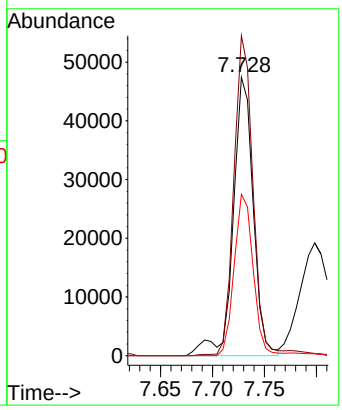




#27
2,4-Dimethylphenol
Concen: 10.177 ng m
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 6368

Ion	Ratio	Lower	Upper
122	100		
107	114.9	89.9	134.9
121	58.0	46.1	69.1



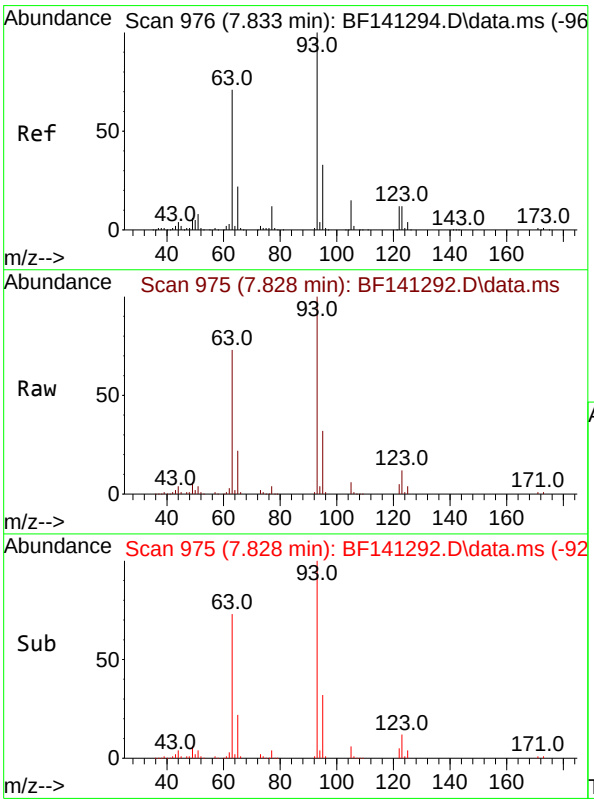
Instrument :
BNA_F
ClientSampleId :
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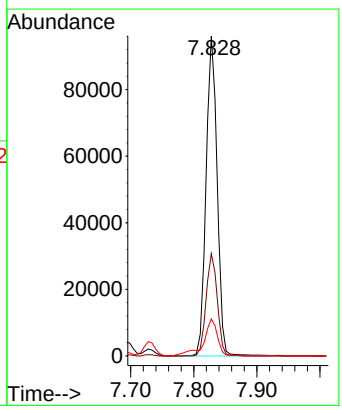
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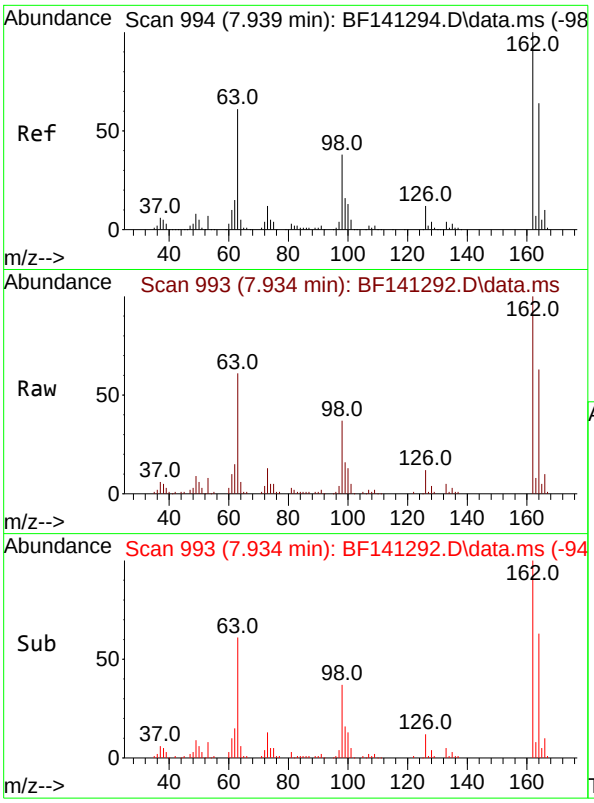


#28
bis(2-Chloroethoxy)methane
Concen: 10.561 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 117232

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	11.6	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 10.457 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

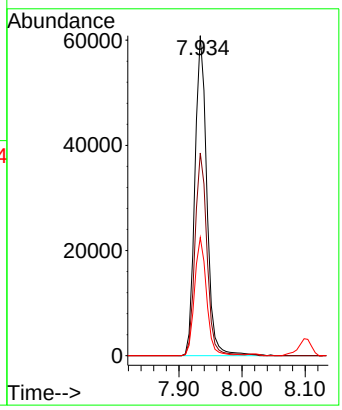
Tgt Ion:162 Resp: 7994

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.2	84.2
98	36.9	18.2	58.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

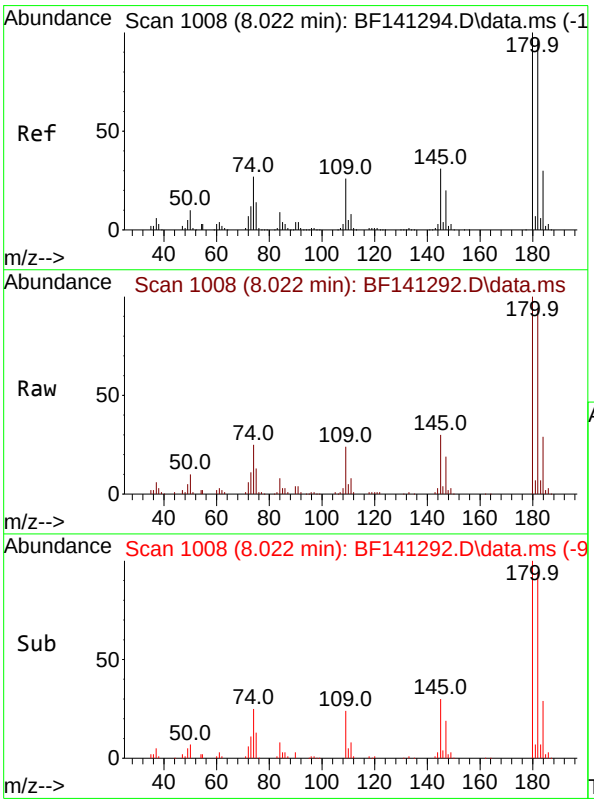
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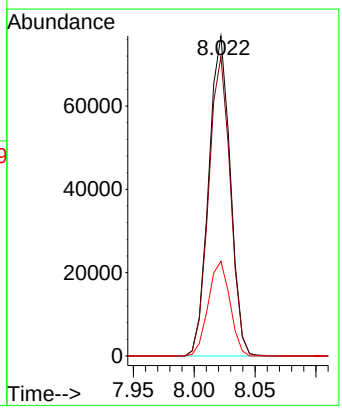
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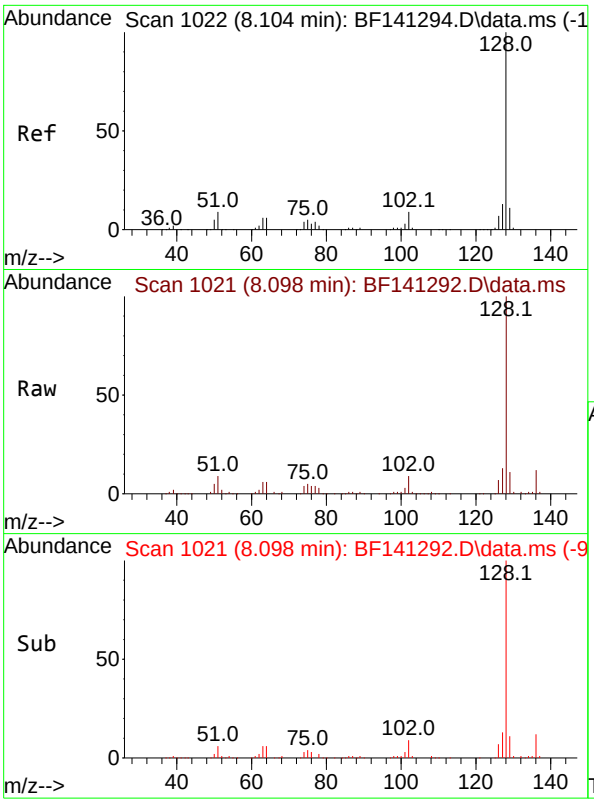


#30
1,2,4-Trichlorobenzene
Concen: 10.767 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:180 Resp: 94419

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.4	114.6
145	29.6	24.9	37.3





#31
Naphthalene
Concen: 10.887 ng
RT: 8.098 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

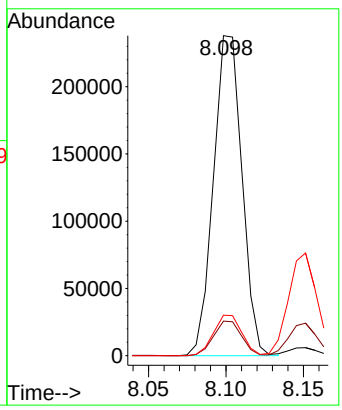
Tgt Ion:128 Resp: 30538(

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.7	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

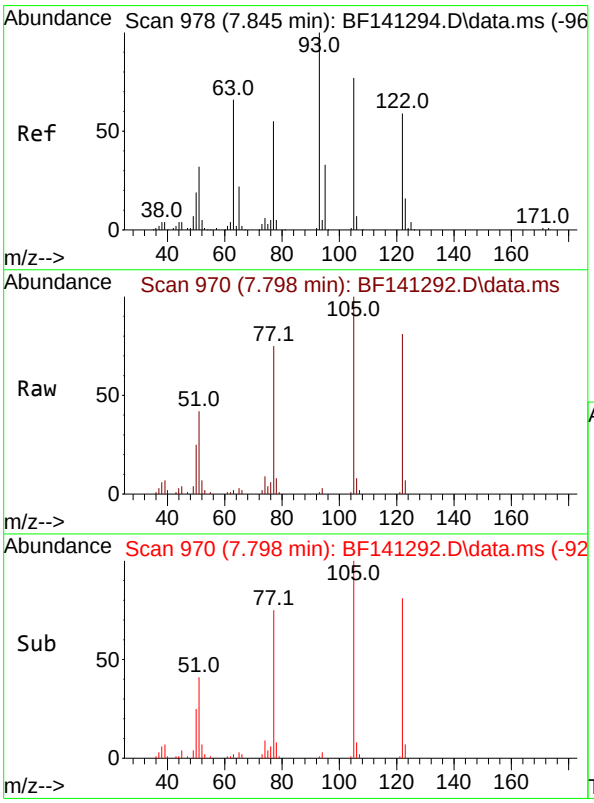
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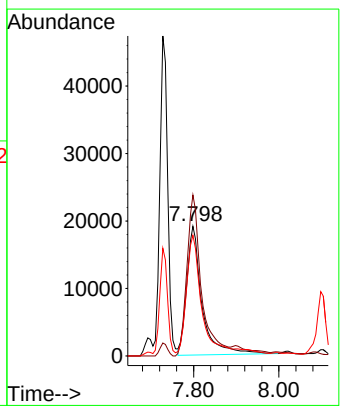
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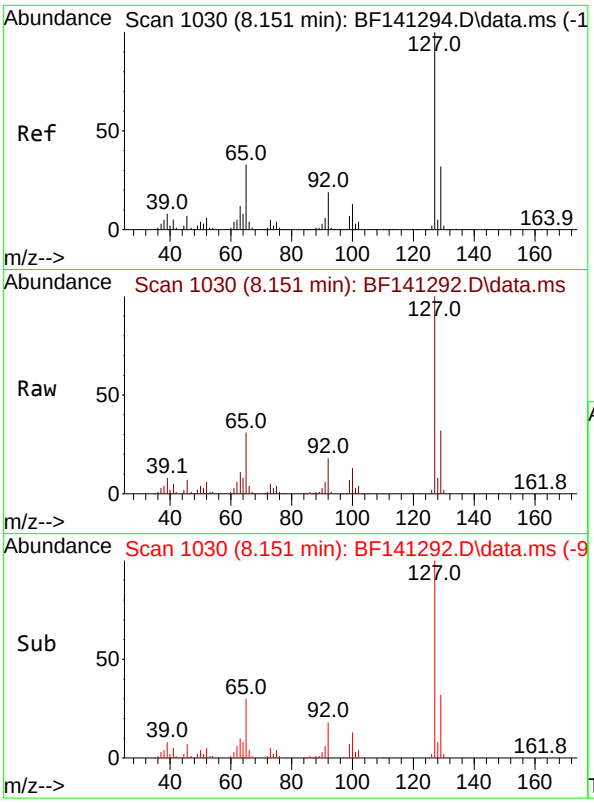


#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549

Ion	Ratio	Lower	Upper
122	100		
105	124.1	103.4	143.4
77	93.0	70.9	110.9

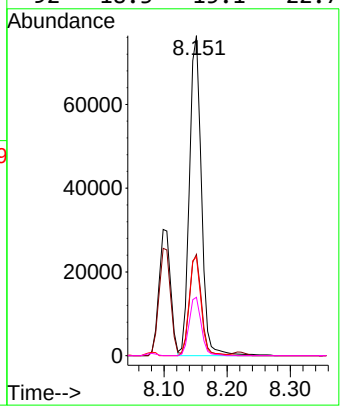




#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:127 Resp: 10085

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	30.9	26.4	39.6
92	18.3	15.1	22.7



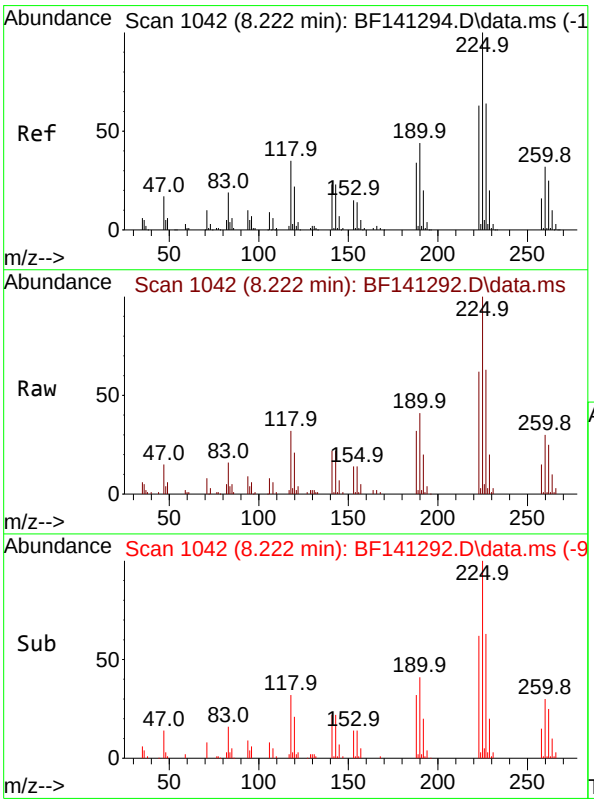
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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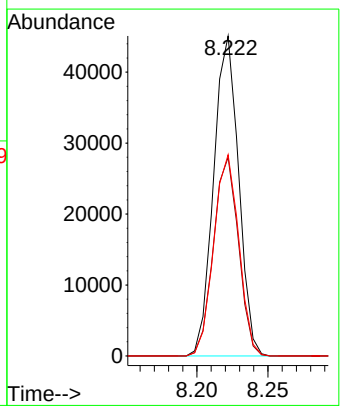
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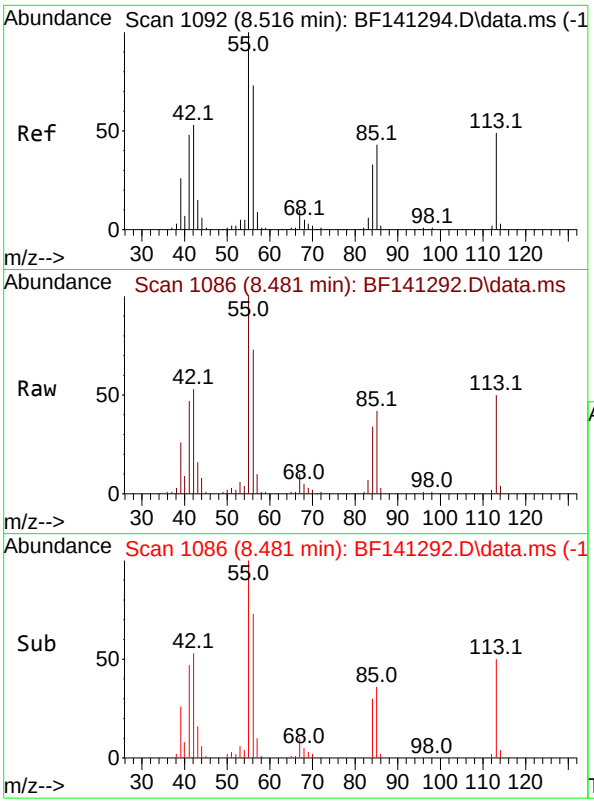


#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:225 Resp: 55103

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.4	75.6
227	62.9	51.3	76.9

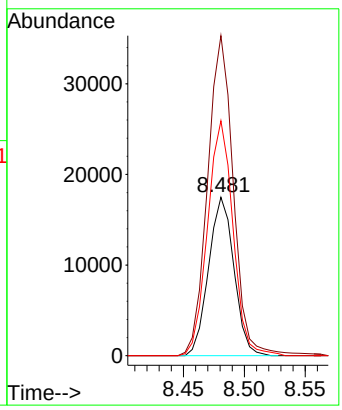




#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:113 Resp: 2536

Ion	Ratio	Lower	Upper
113	100		
55	201.9	182.9	222.9
56	148.2	127.9	167.9



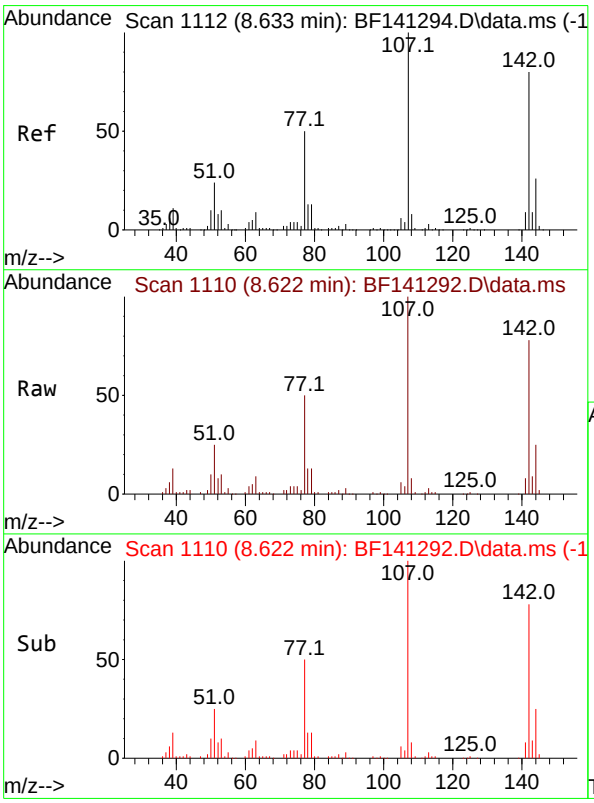
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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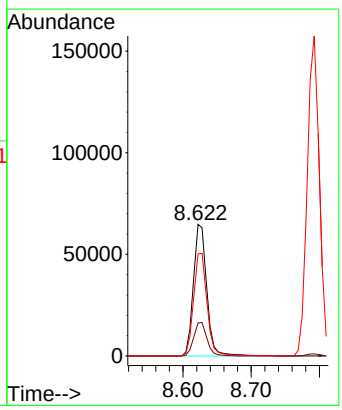
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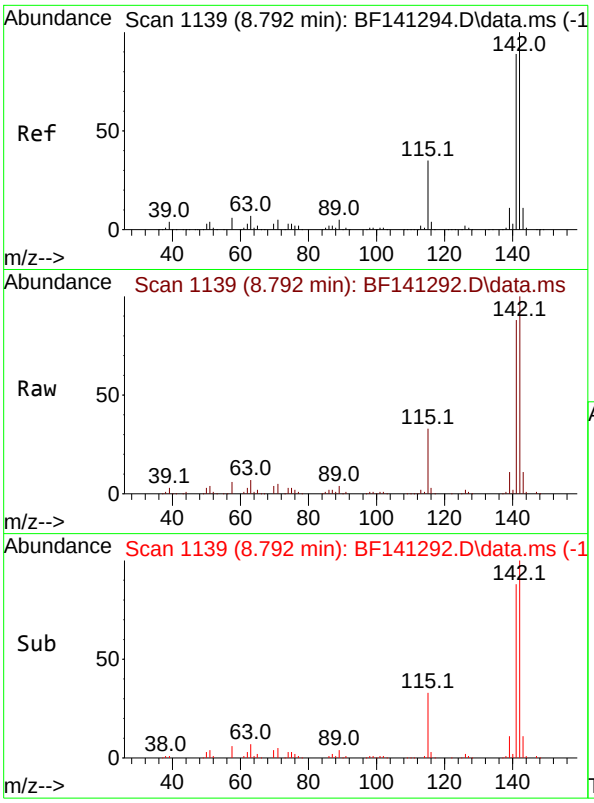


#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 87592

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	77.6	63.8	95.8





#37
2-Methylnaphthalene
Concen: 10.925 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

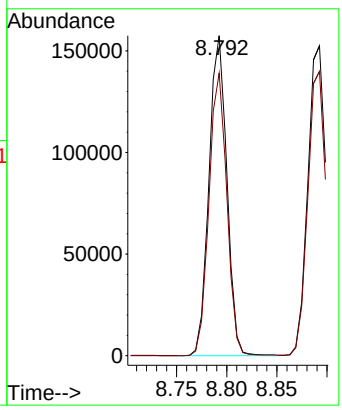
Tgt Ion:142 Resp: 19516

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

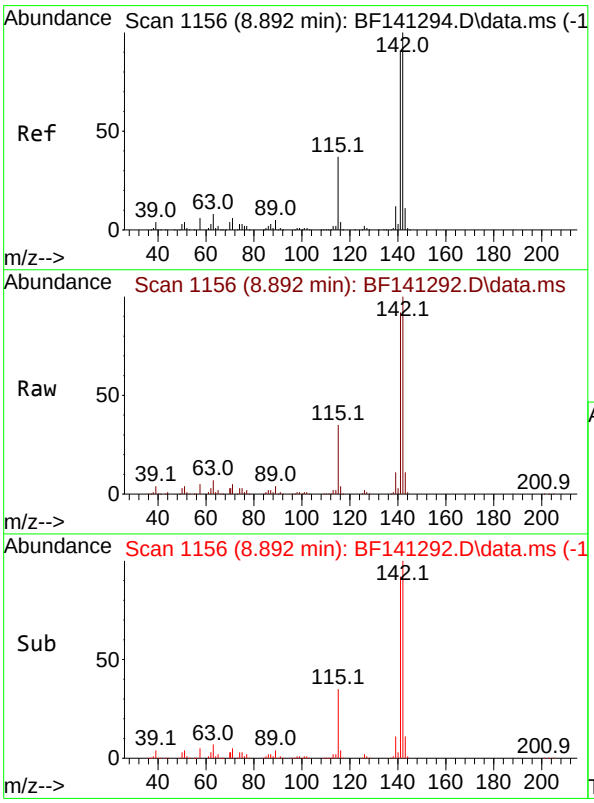
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Supervised By :mohammad ahmed

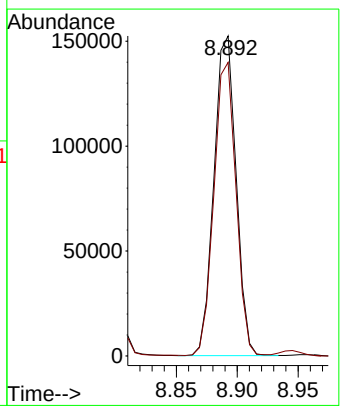
02/04/2025

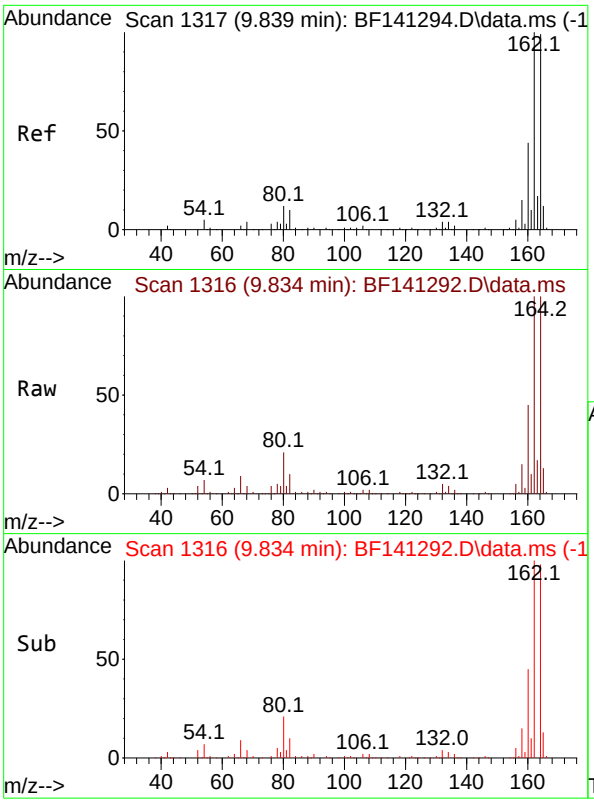


#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8

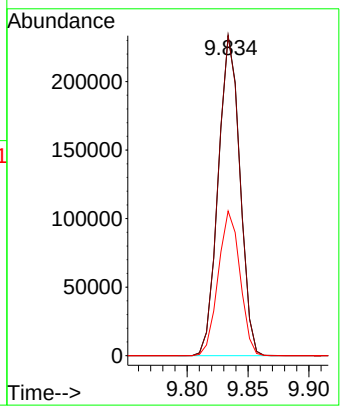




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:164 Resp: 28955

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	45.2	35.8	53.6



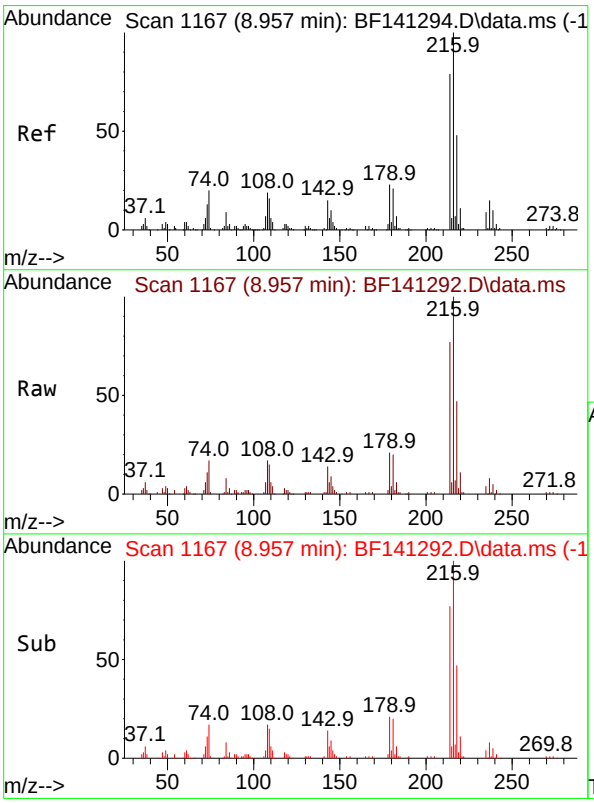
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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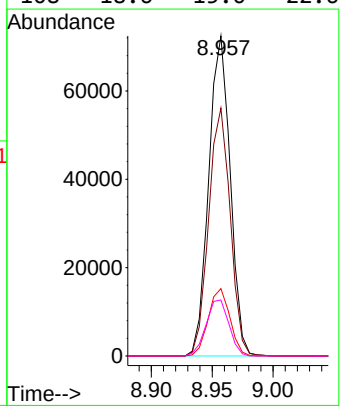
02/04/2025

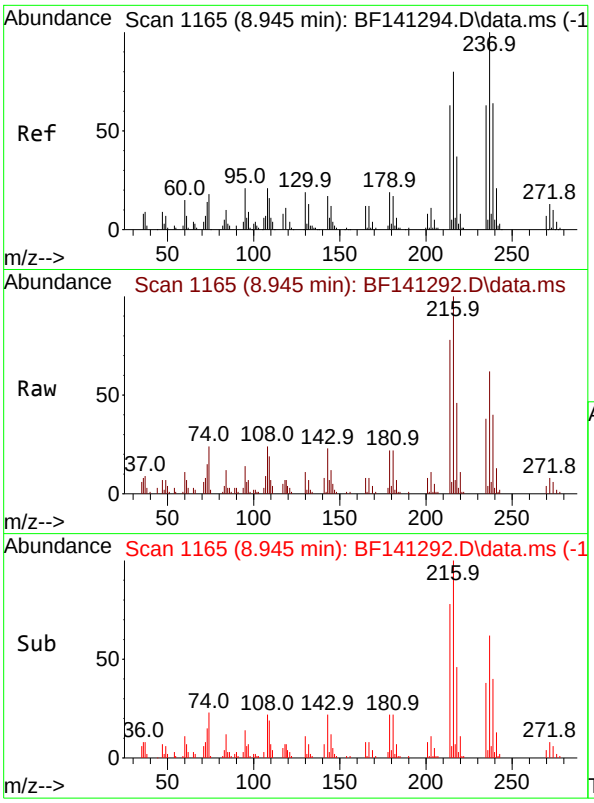


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.775 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	21.1	17.8	26.8
108	18.6	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

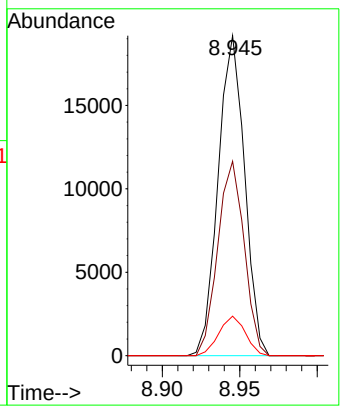
Tgt Ion:237 Resp: 2275

Ion	Ratio	Lower	Upper
237	100		
235	60.8	42.9	82.9
272	12.3	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

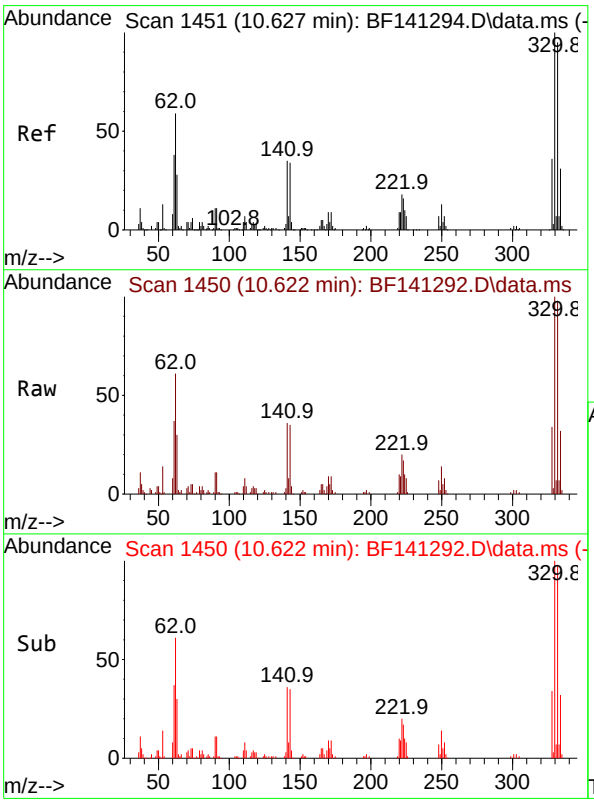
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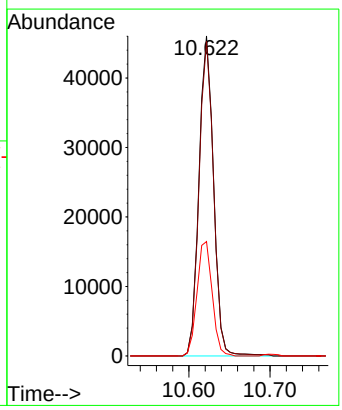
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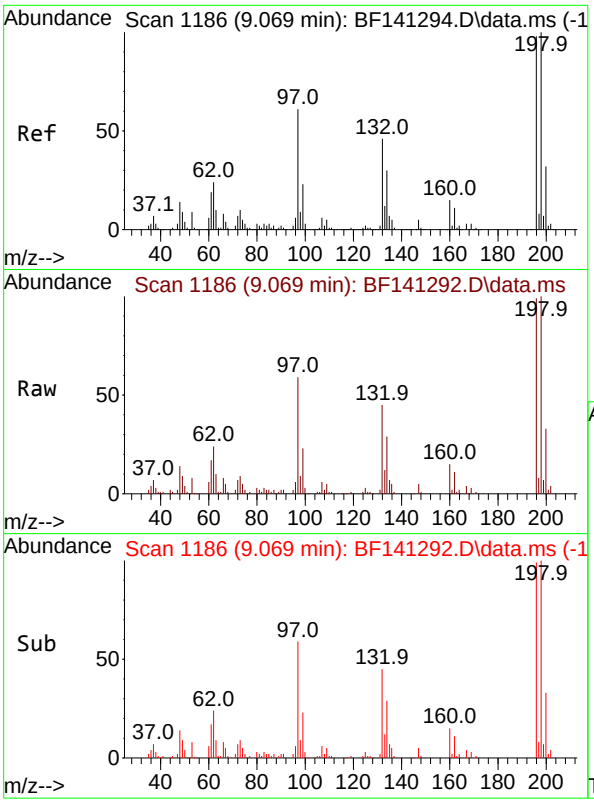


#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:330 Resp: 57417

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.1	114.1
141	37.3	28.8	43.2

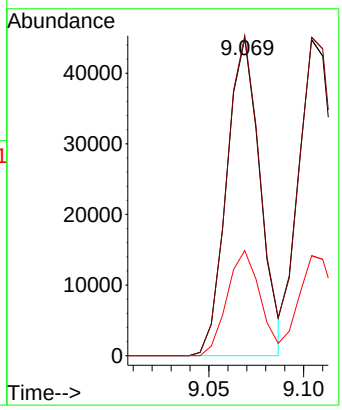




#43
2,4,6-Trichlorophenol
Concen: 10.241 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 5503

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.8	122.6
200	33.2	26.3	39.5



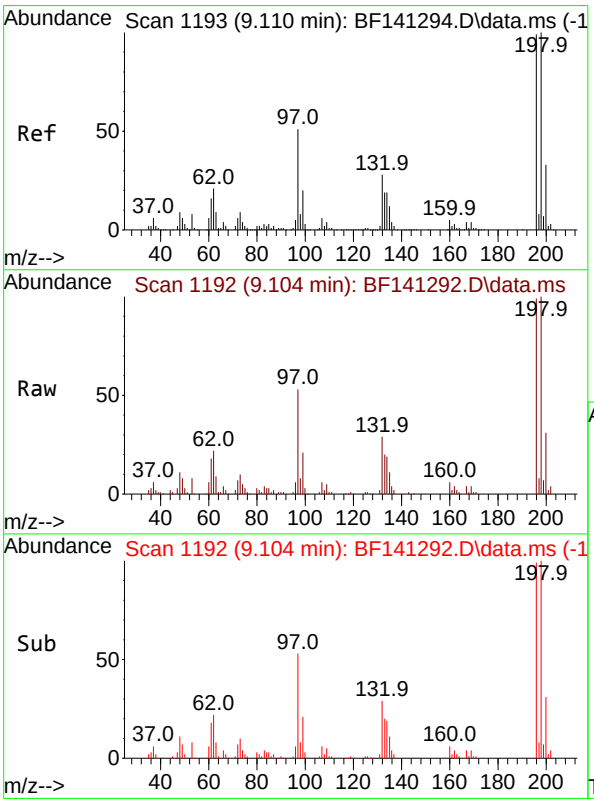
Instrument :
BNA_F
ClientSampleId :
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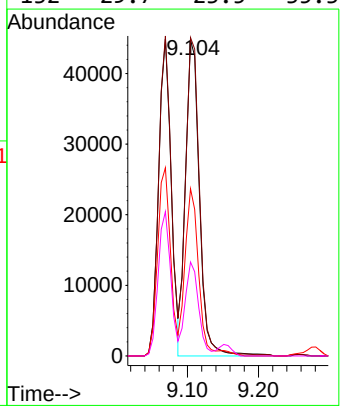
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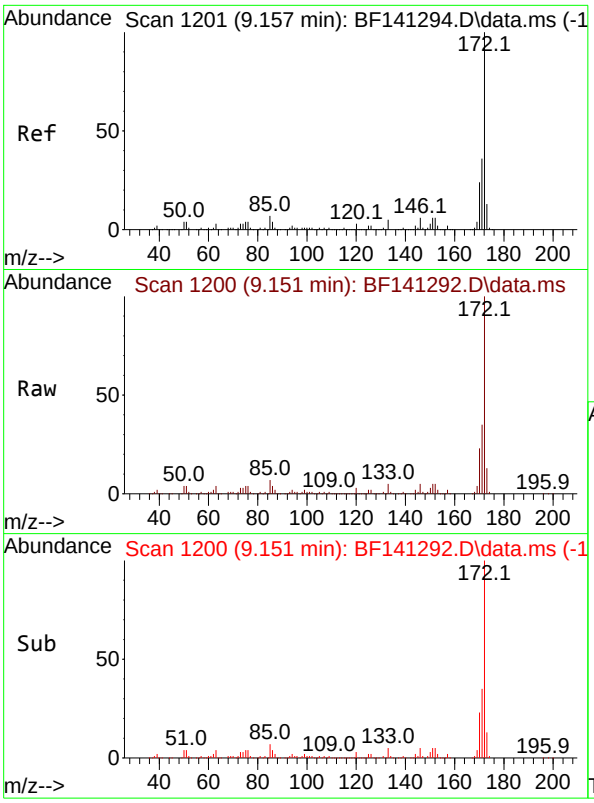


#44
2,4,5-Trichlorophenol
Concen: 10.518 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.5	120.7
97	52.9	42.8	64.2
132	29.7	23.5	35.3

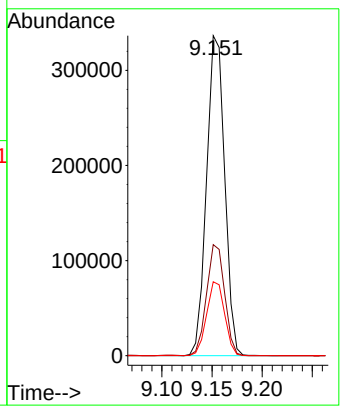




#45
2-Fluorobiphenyl
Concen: 22.581 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:172 Resp: 42385

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	23.1	19.0	28.6



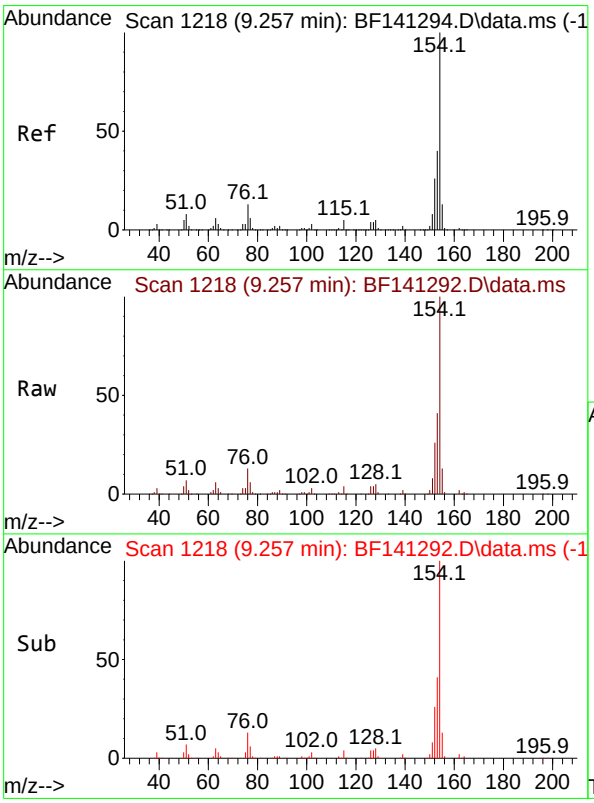
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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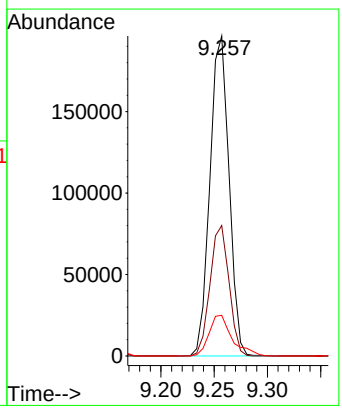
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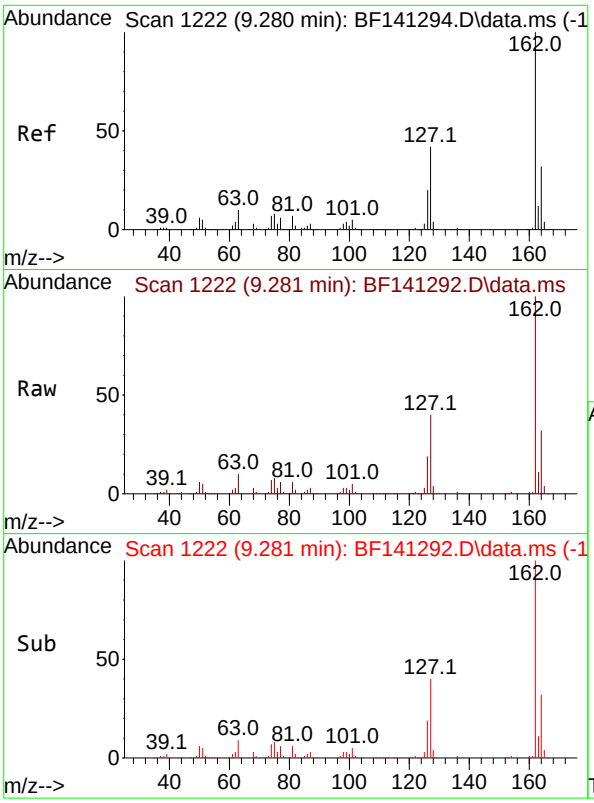


#46
1,1'-Biphenyl
Concen: 10.847 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 245028

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.0	60.0
76	12.7	0.0	32.8

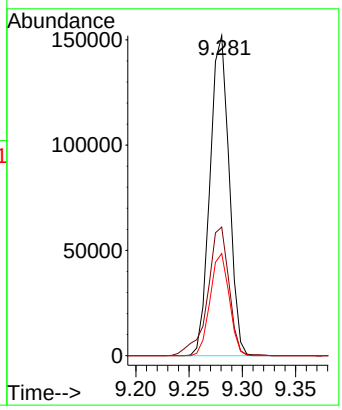




#47
2-Chloronaphthalene
Concen: 10.812 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 189709

Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.7	50.5
164	31.9	25.9	38.9



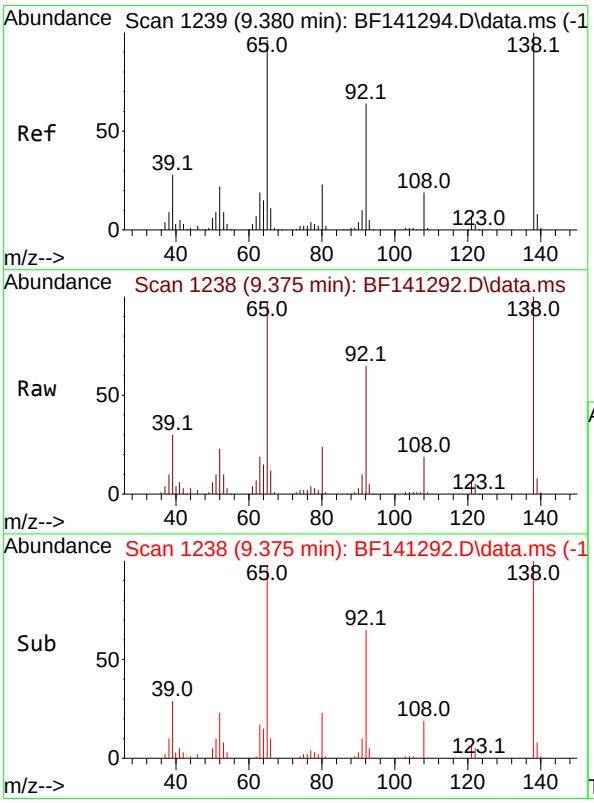
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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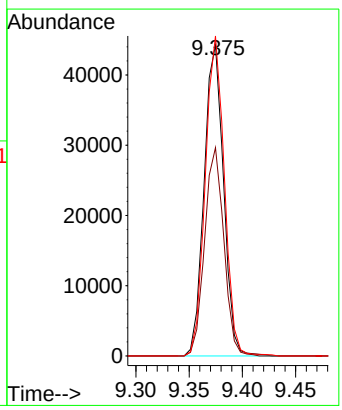
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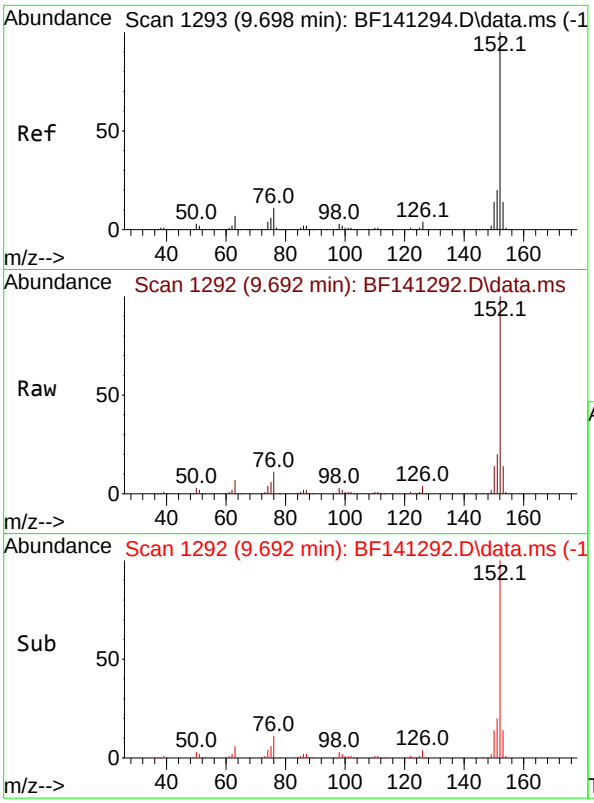


#48
2-Nitroaniline
Concen: 10.164 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 65 Resp: 56247

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.3	79.9
138	102.9	83.6	125.4

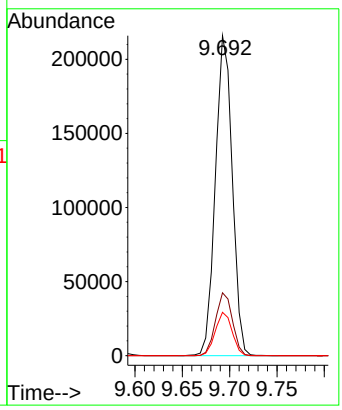




#49
Acenaphthylene
Concen: 10.895 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 26847

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.6	11.0	16.6



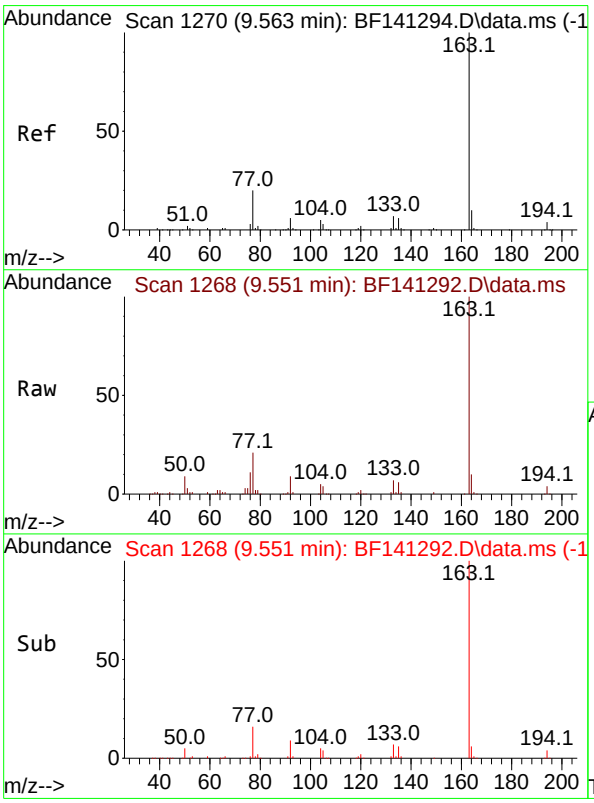
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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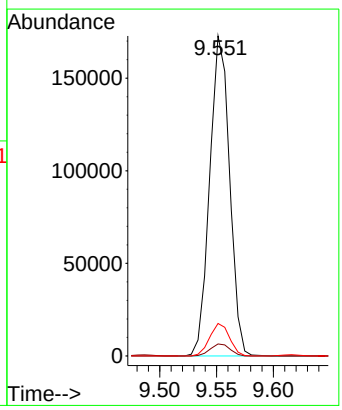
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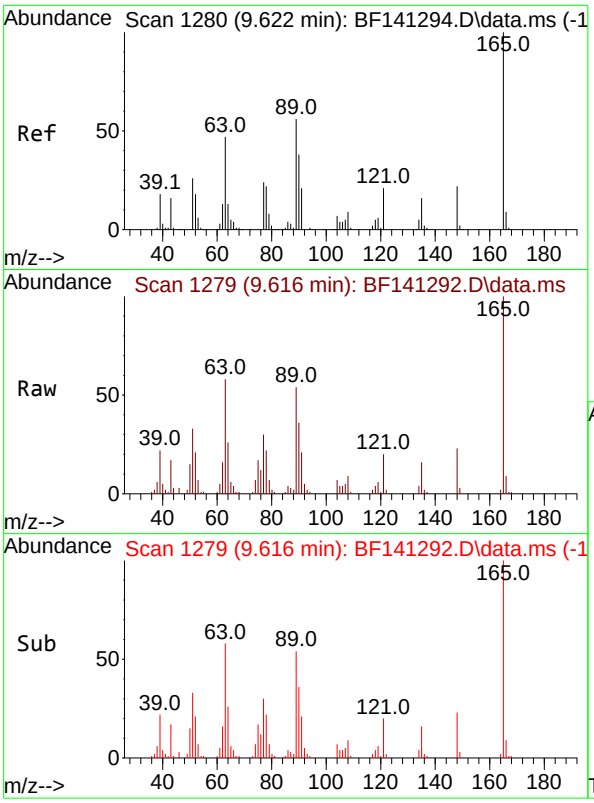


#50
Dimethylphthalate
Concen: 10.857 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:163 Resp: 210816

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

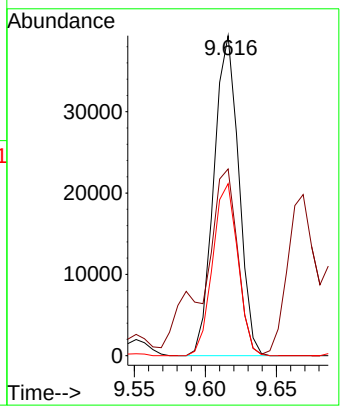
Tgt Ion:165 Resp: 4795

Ion	Ratio	Lower	Upper
165	100		
63	58.3	48.1	72.1
89	53.7	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

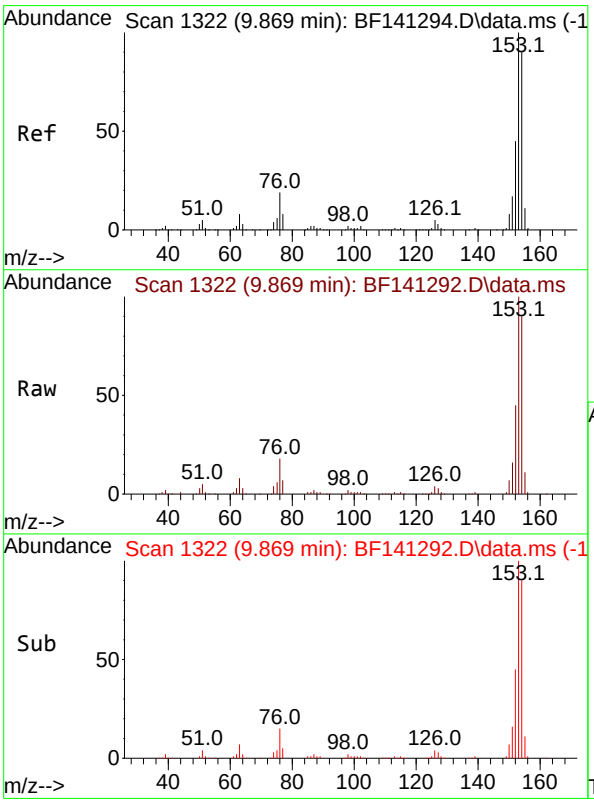
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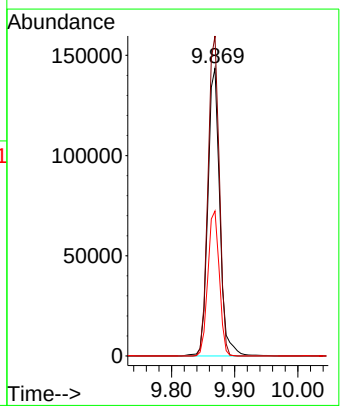
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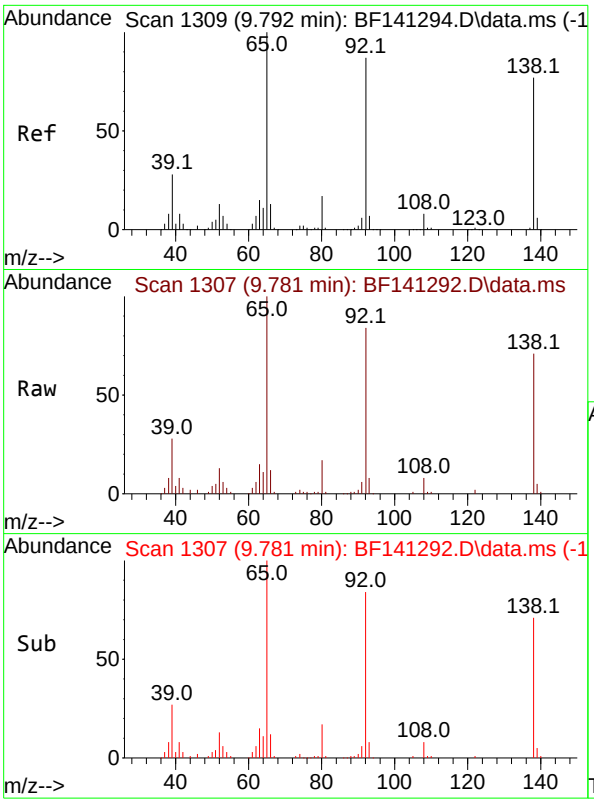


#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 188283

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	50.4	40.2	60.4





#53
3-Nitroaniline
Concen: 10.699 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

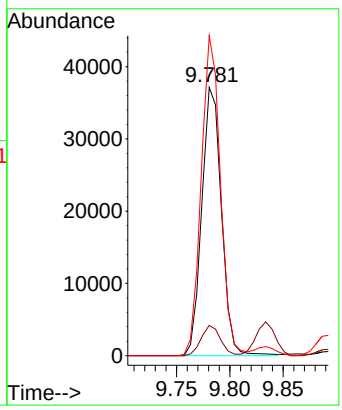
Tgt Ion:138 Resp: 4781

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.6	12.8
92	119.2	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

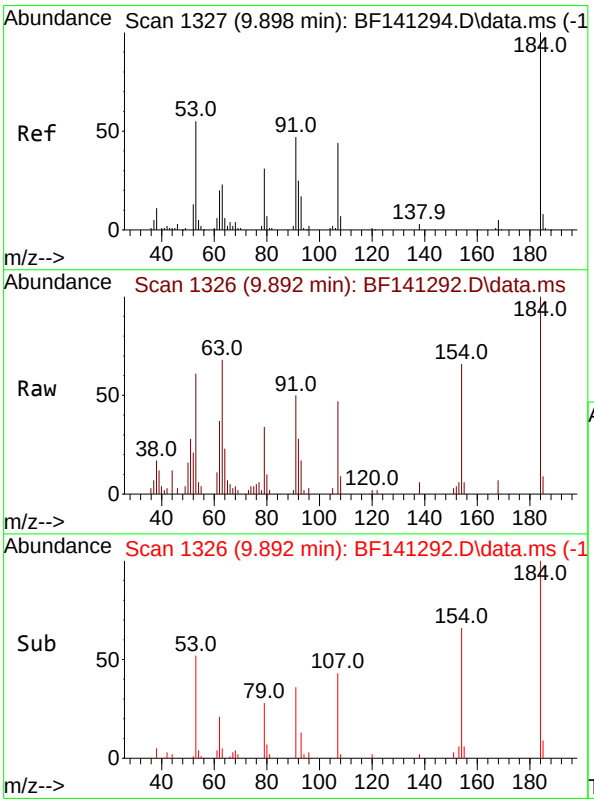
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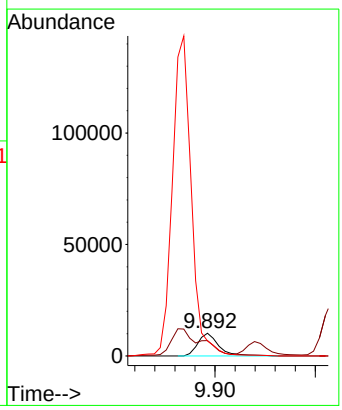
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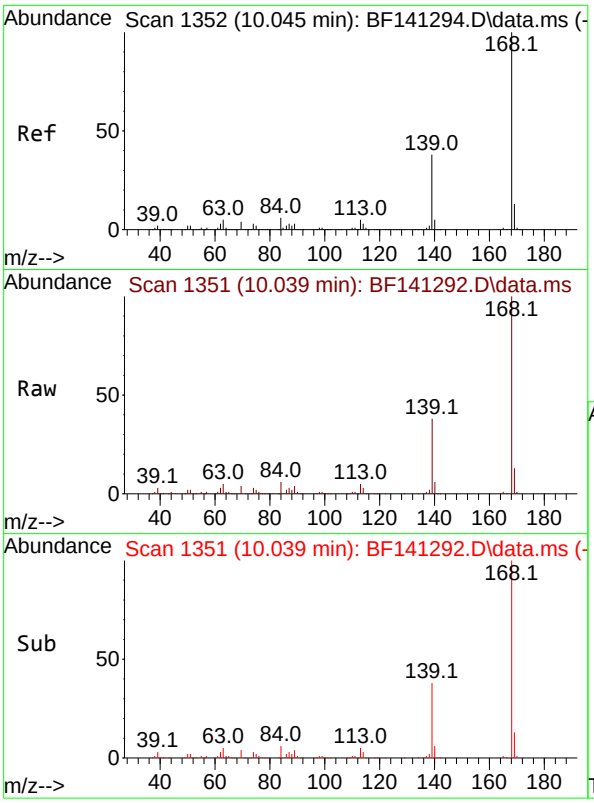


#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 14749

Ion	Ratio	Lower	Upper
184	100		
63	67.9	54.1	81.1
154	66.2	50.7	76.1

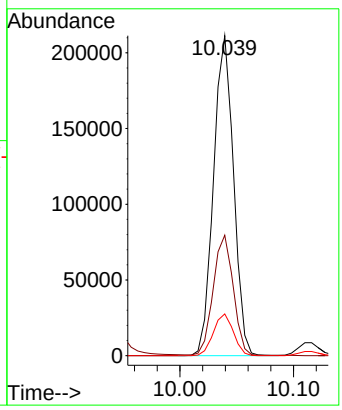




#55
Dibenzofuran
Concen: 11.038 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:168 Resp: 25883

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.6	46.0
169	13.1	10.8	16.2



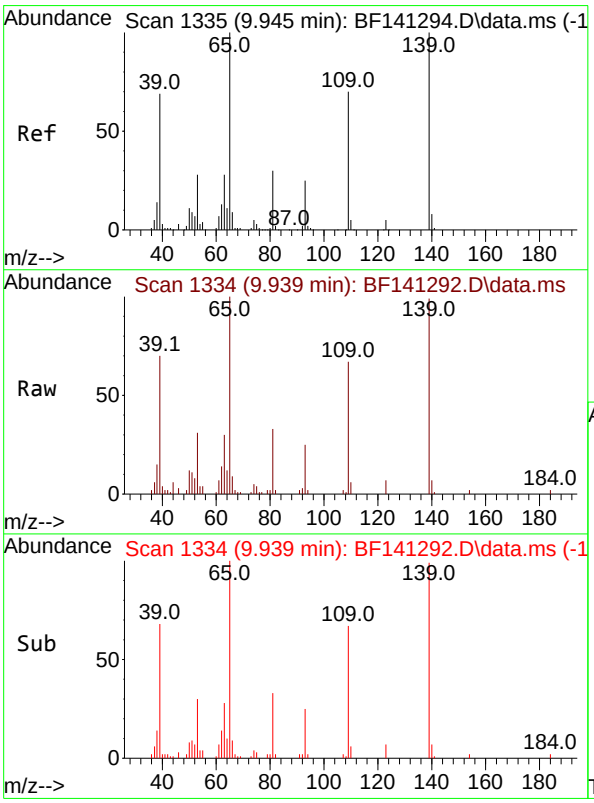
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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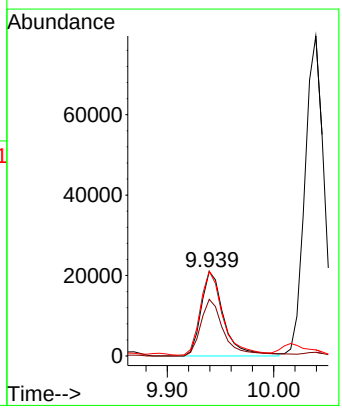
02/04/2025

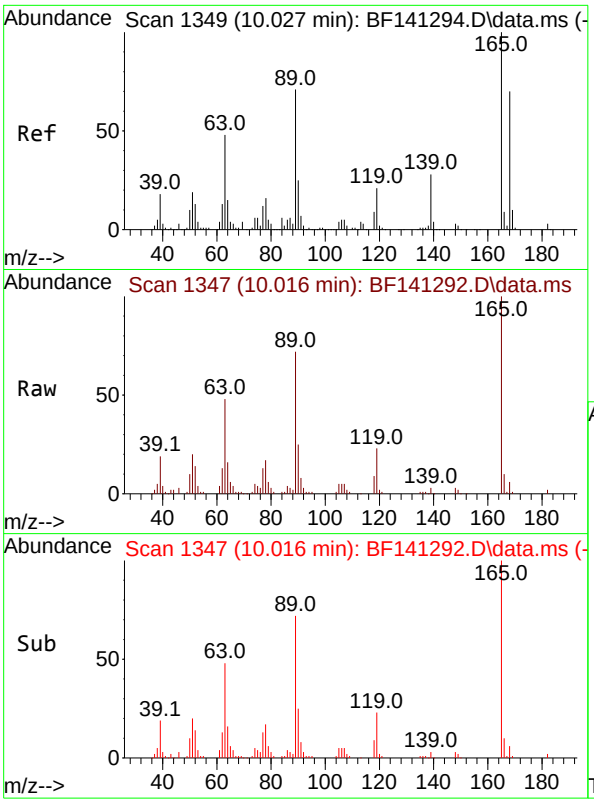


#56
4-Nitrophenol
Concen: 9.722 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 31196

Ion	Ratio	Lower	Upper
139	100		
109	67.1	50.2	90.2
65	100.6	80.6	120.6

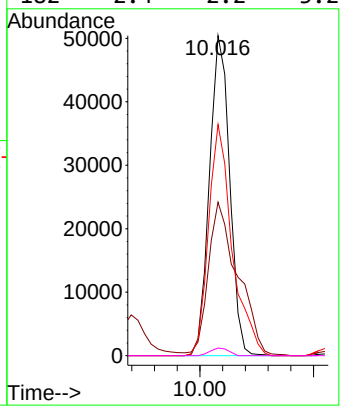




#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:165 Resp: 6241

Ion	Ratio	Lower	Upper
165	100		
63	48.0	39.2	58.8
89	72.2	56.9	85.3
182	2.4	2.2	3.2



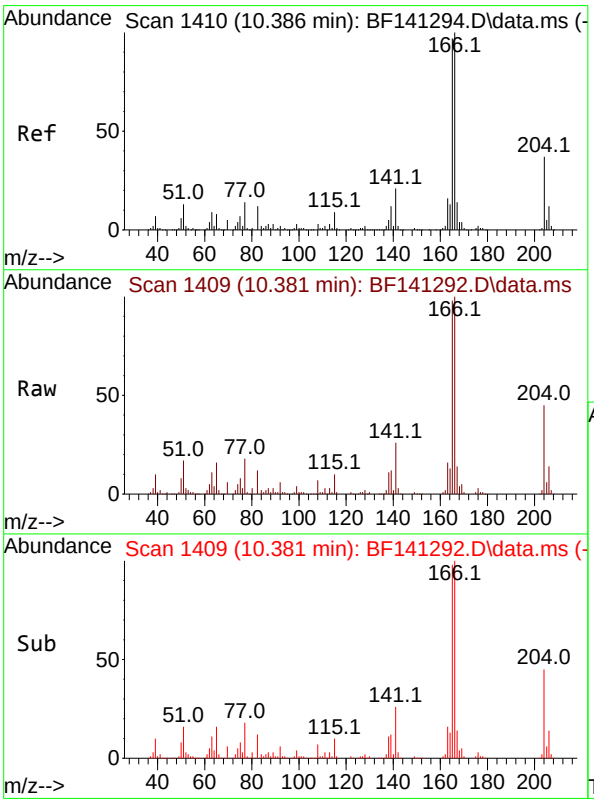
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

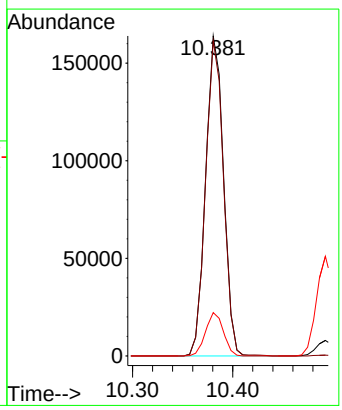
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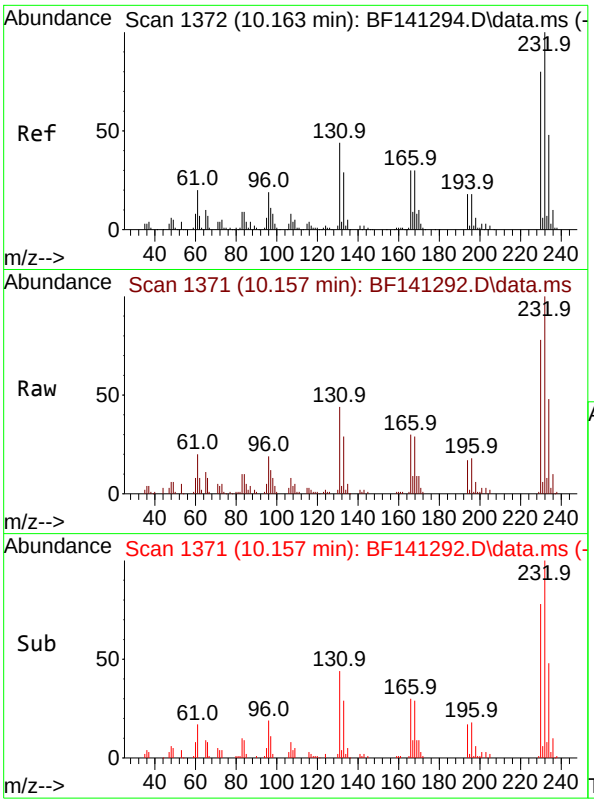


#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:166 Resp: 204141

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.5	116.3
167	13.6	10.9	16.3

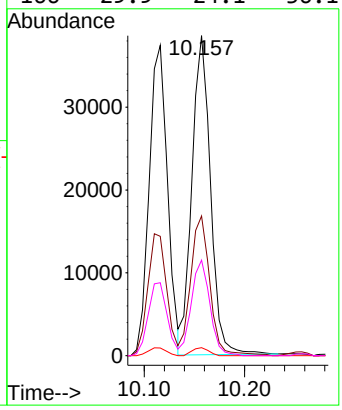




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:232 Resp: 4959

Ion	Ratio	Lower	Upper
232	100		
131	45.2	36.4	54.6
130	2.2	1.9	2.9
166	29.9	24.1	36.1



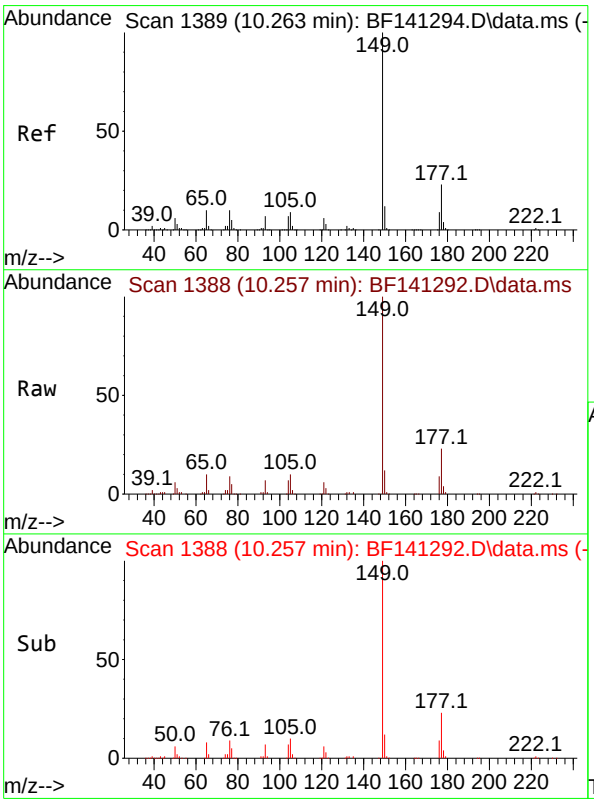
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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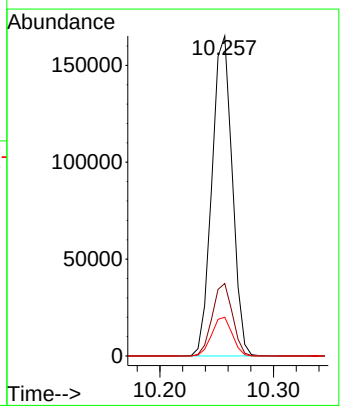
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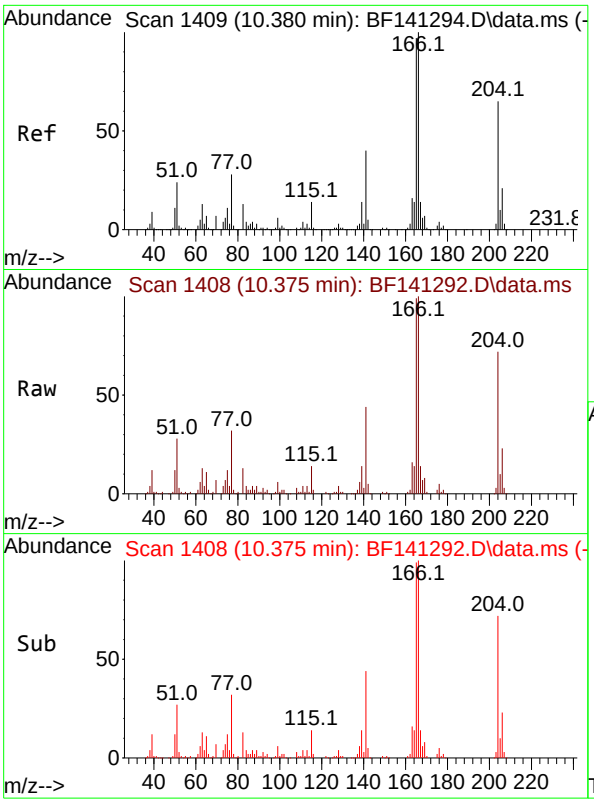


#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 205131

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.5	27.7
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

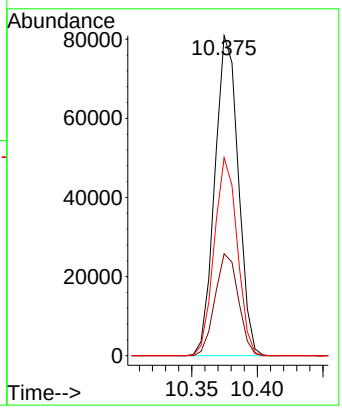
Tgt Ion:204 Resp: 10048

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.9	38.9
141	61.8	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

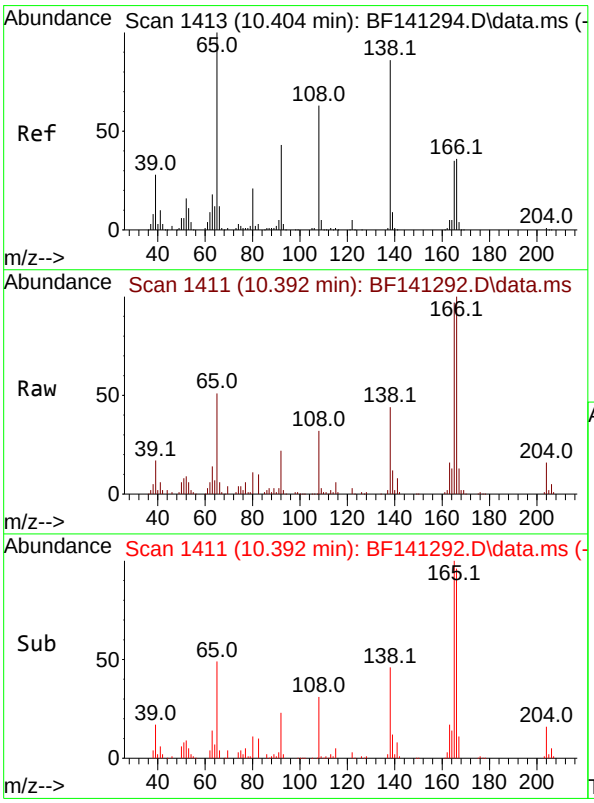
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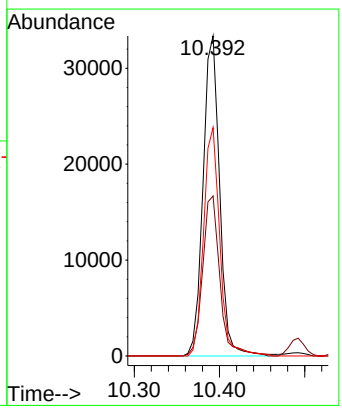
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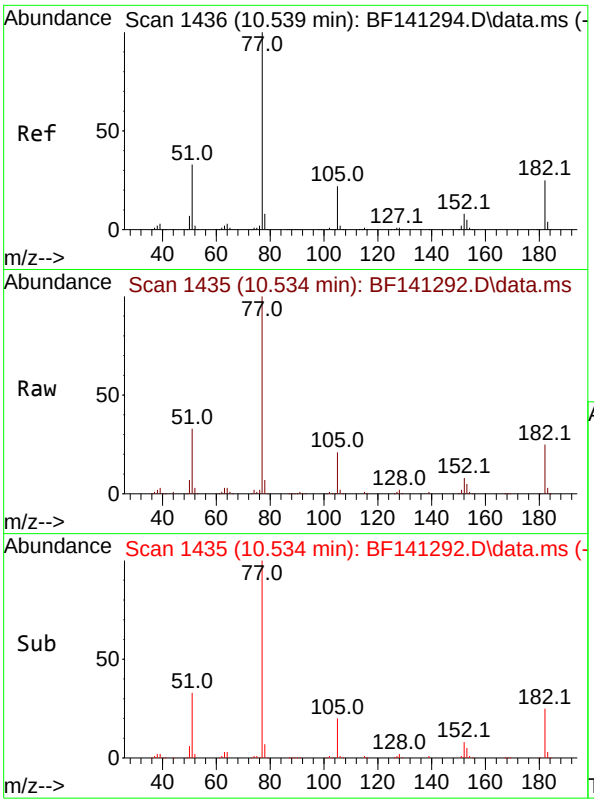


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 45222

Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.1	70.1
108	71.3	53.1	93.1

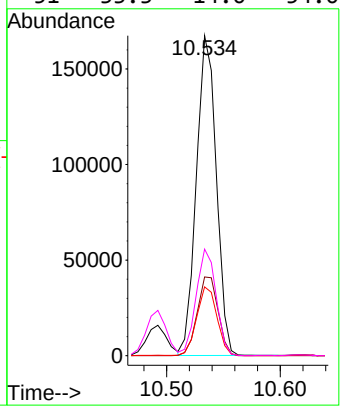




#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 20430

Ion	Ratio	Lower	Upper
77	100		
182	24.6	5.1	45.1
105	21.5	1.8	41.8
51	33.3	14.0	54.0



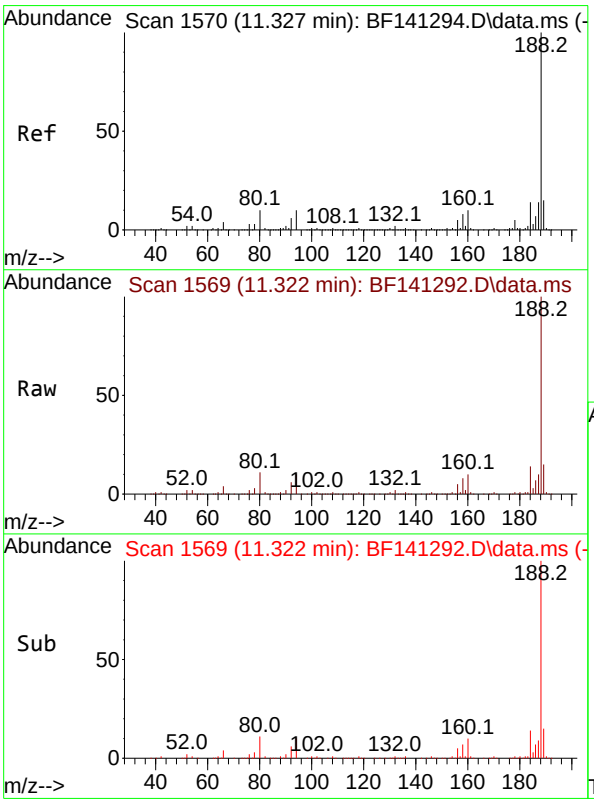
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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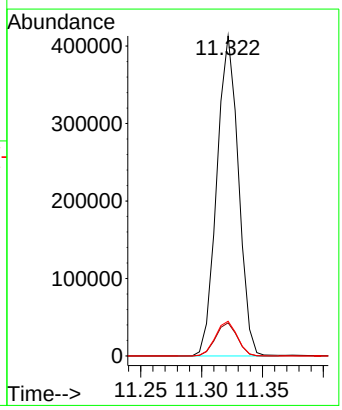
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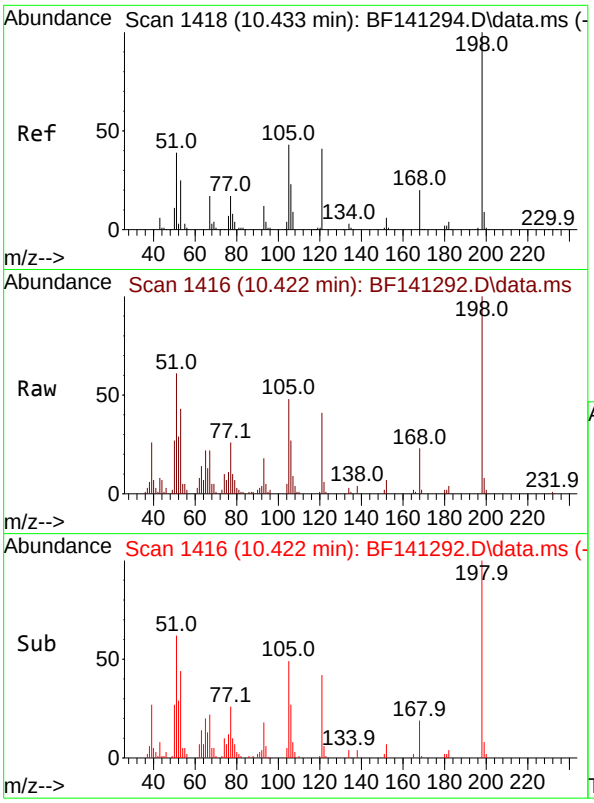


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:188 Resp: 510795

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.9	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

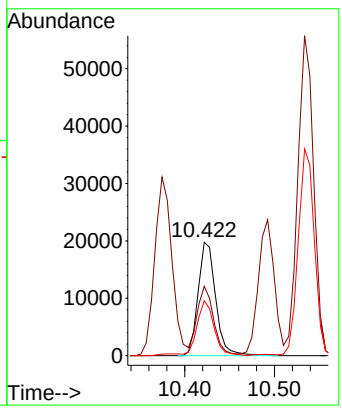
Tgt Ion:198 Resp: 2693

Ion	Ratio	Lower	Upper
198	100		
51	61.2	33.4	73.4
105	48.3	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

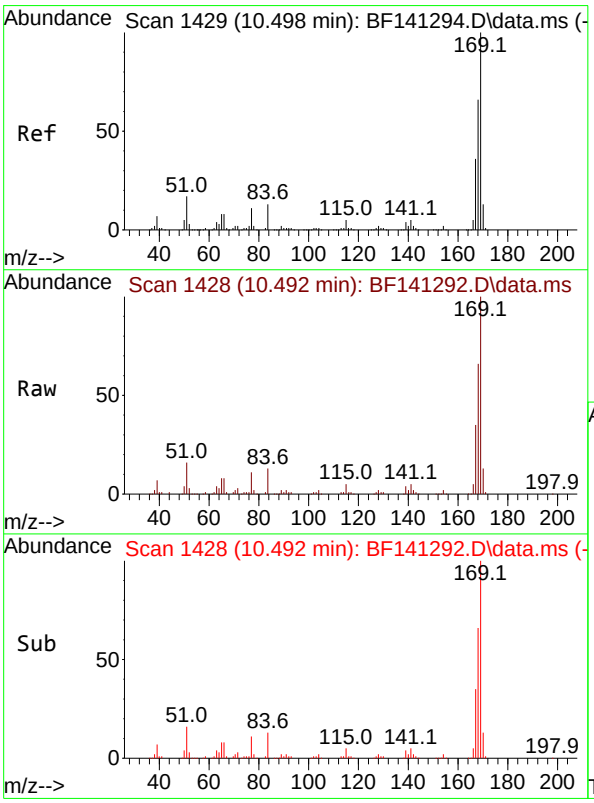
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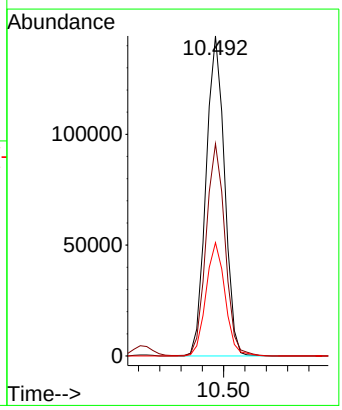
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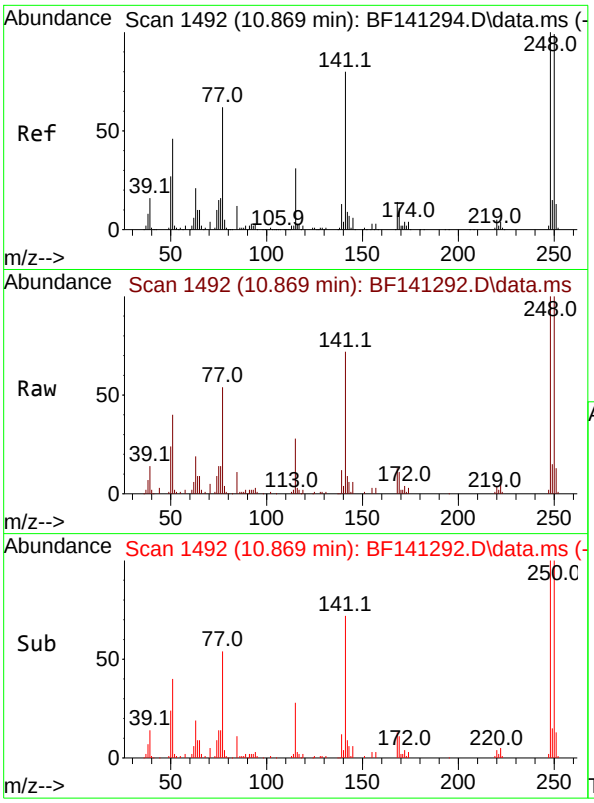


#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:169 Resp: 174617

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.4
167	35.4	28.8	43.2

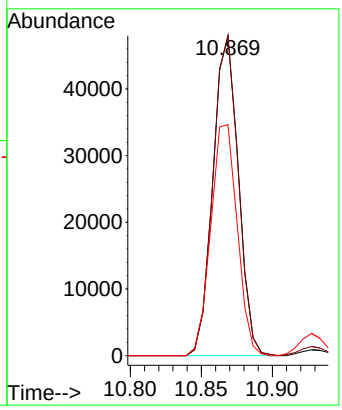




#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:248 Resp: 5977

Ion	Ratio	Lower	Upper
248	100		
250	100.0	79.0	118.4
141	72.2	63.7	95.5



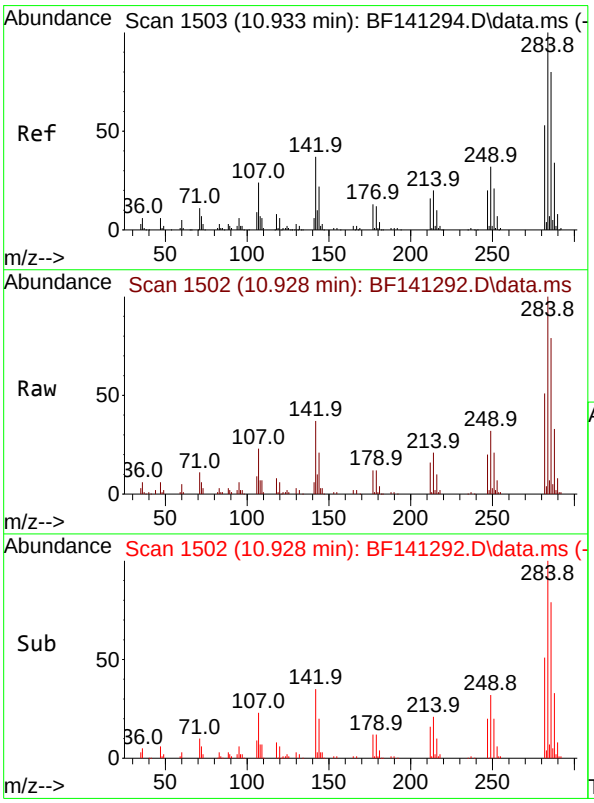
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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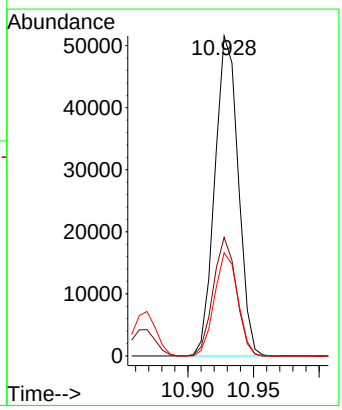
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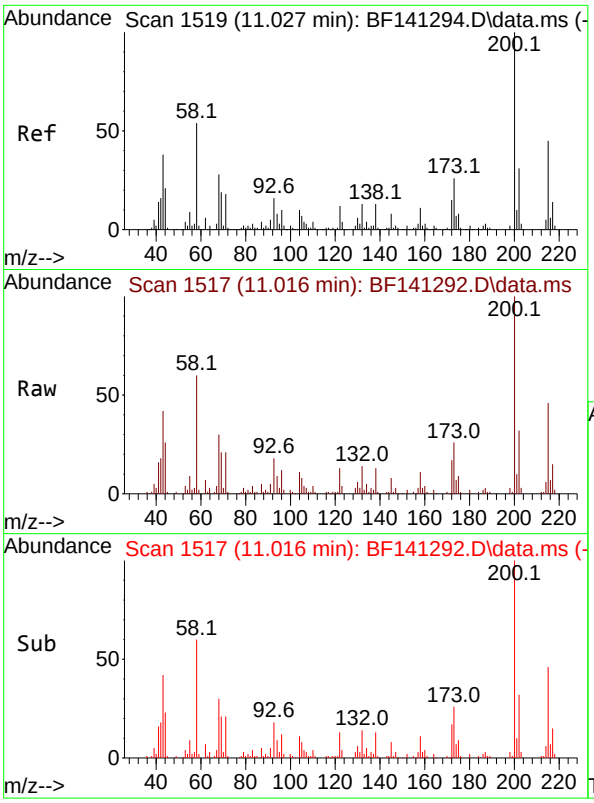


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:284 Resp: 63908

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.5	44.3
249	32.2	25.4	38.2

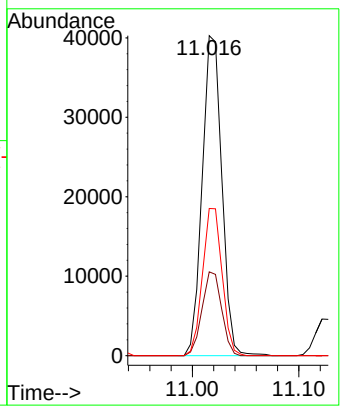




#69
Atrazine
Concen: 9.295 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:200 Resp: 5163

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.0	25.2	65.2



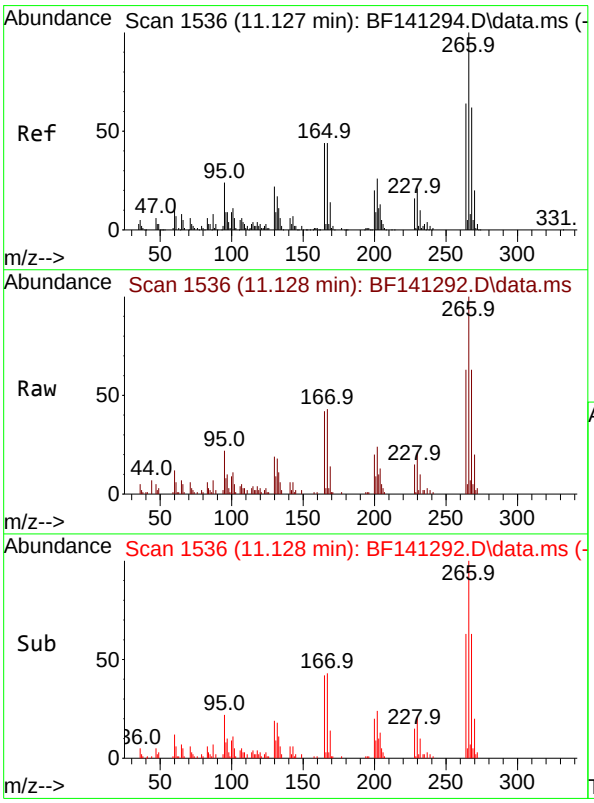
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ClientSampleId :
SSTDICC010

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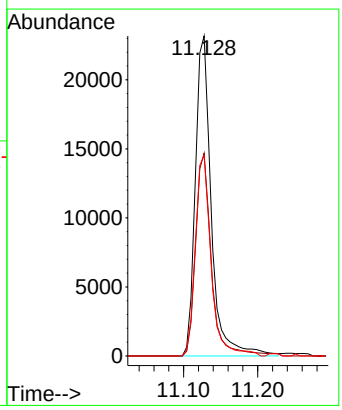
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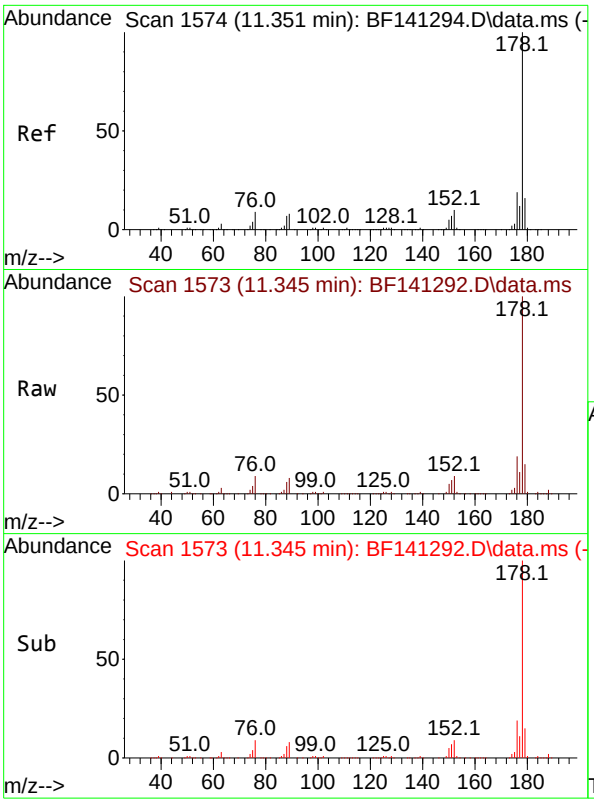


#70
Pentachlorophenol
Concen: 9.796 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:266 Resp: 34788

Ion	Ratio	Lower	Upper
266	100		
268	63.4	49.9	74.9
264	62.7	51.0	76.4

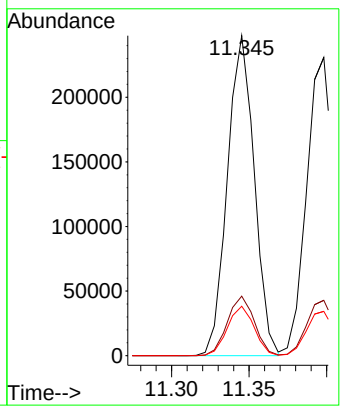




#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 29889

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.4	12.5	18.7



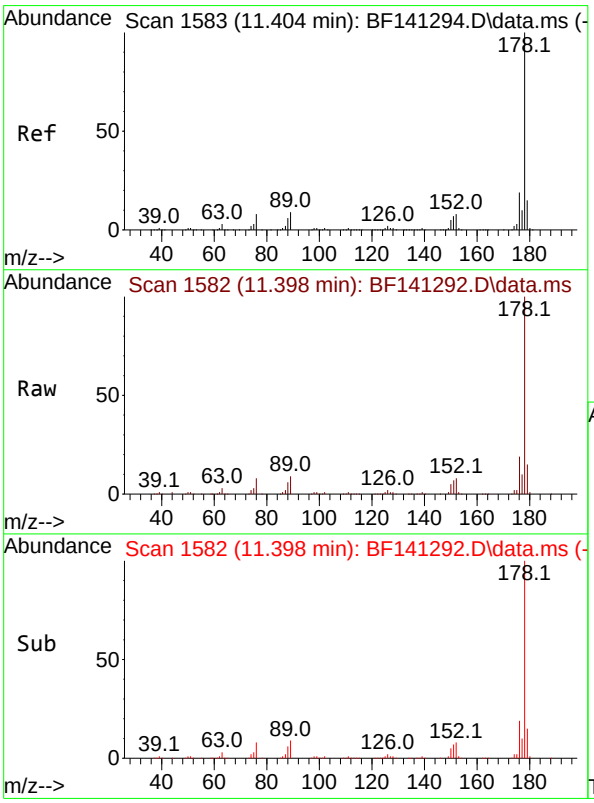
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ClientSampleId :
SSTDICC010

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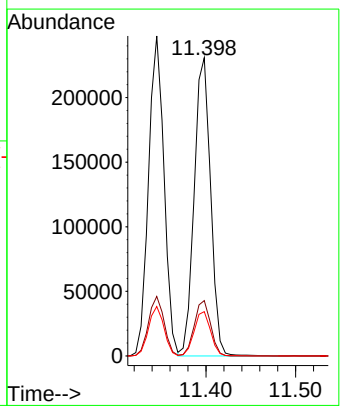
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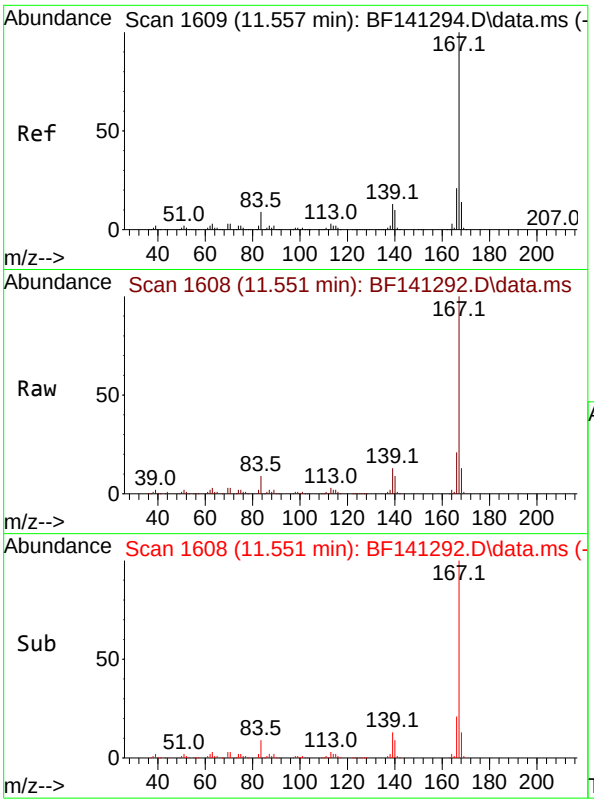


#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 292813

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	14.9	12.3	18.5

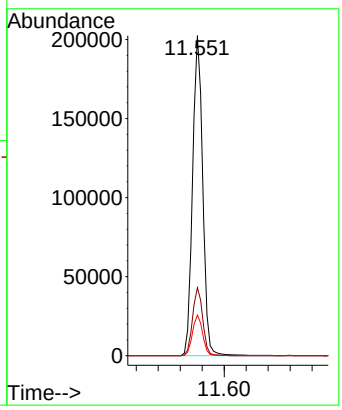




#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:167 Resp: 25885

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.7	10.6	16.0



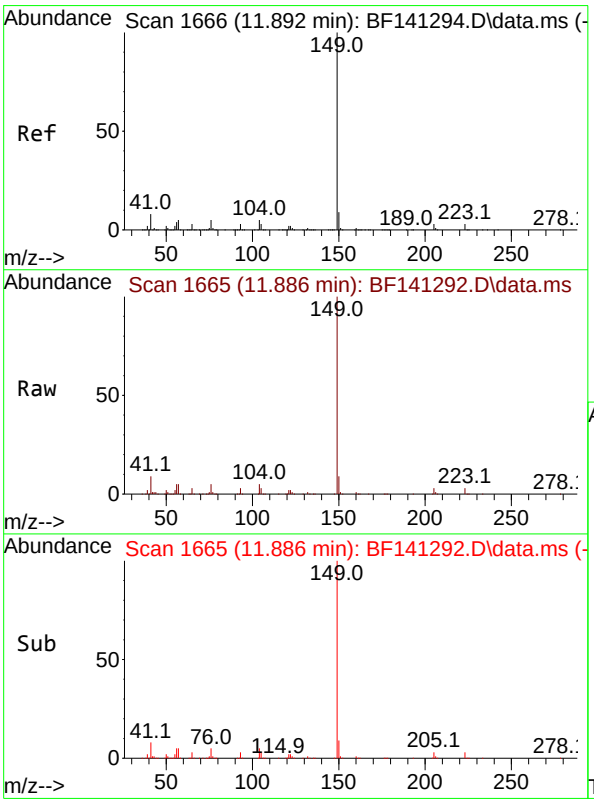
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

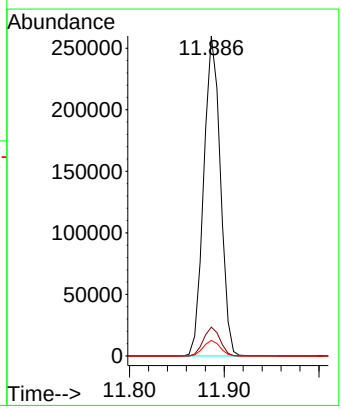
02/04/2025

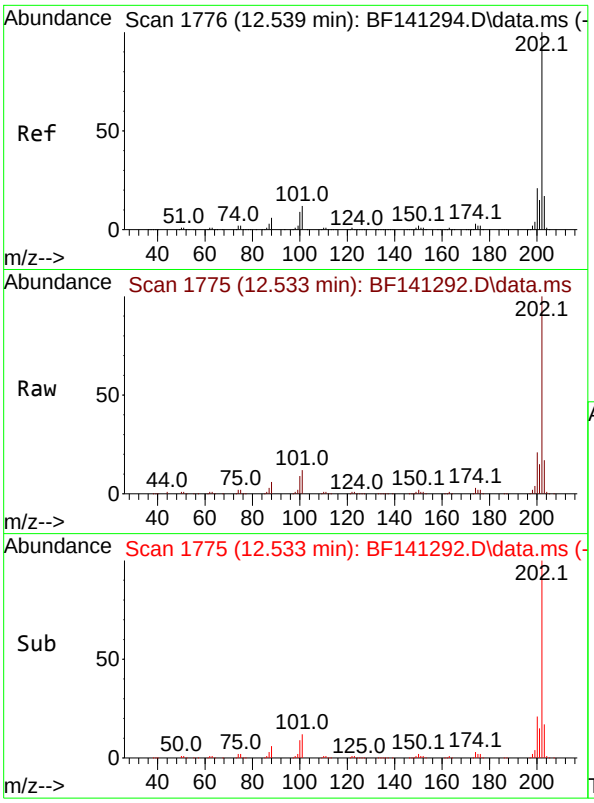


#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 316336

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9

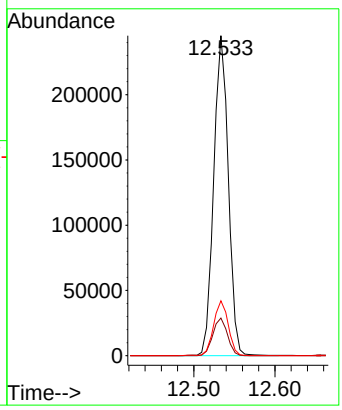




#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 30696

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.1	0.0	37.5



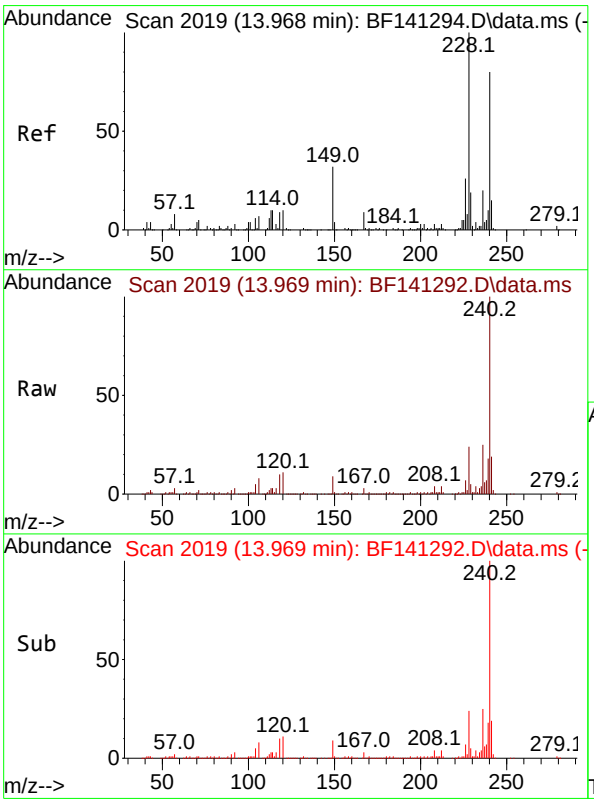
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel

01/30/2025
Supervised By :mohammad ahmed

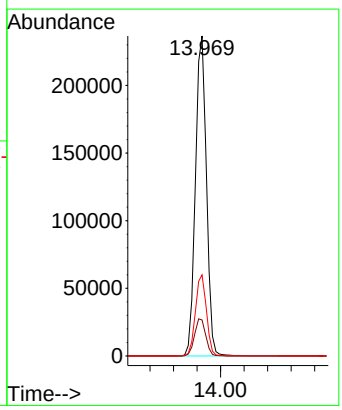
02/04/2025

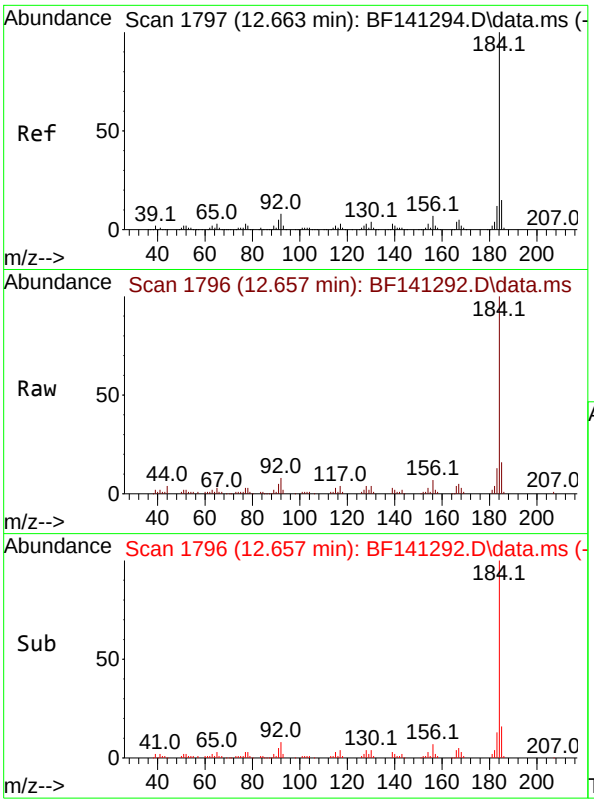


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:240 Resp: 308114

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.4	19.7	29.5

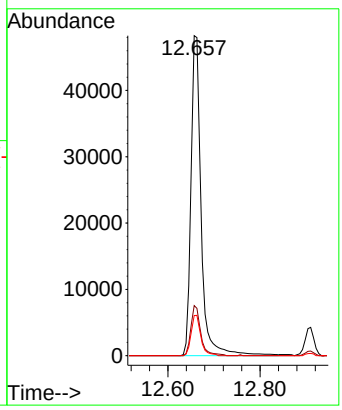




#77
Benzidine
Concen: 7.890 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 7391

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.9	17.9
183	12.6	9.5	14.3



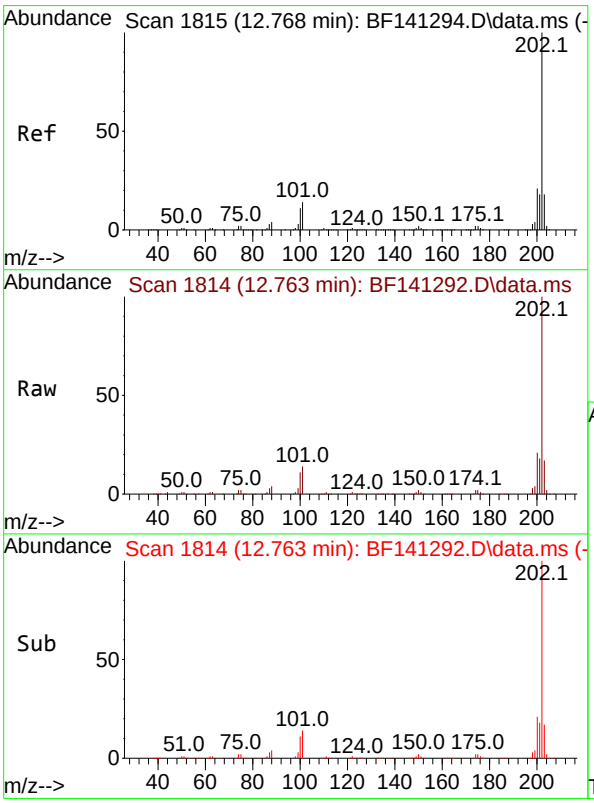
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel

01/30/2025
Supervised By :mohammad ahmed

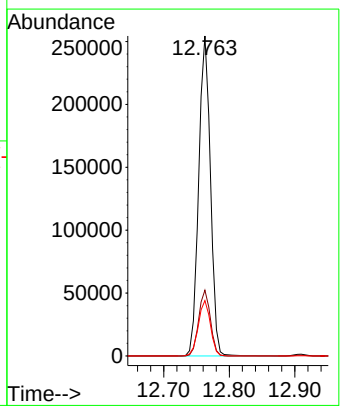
02/04/2025

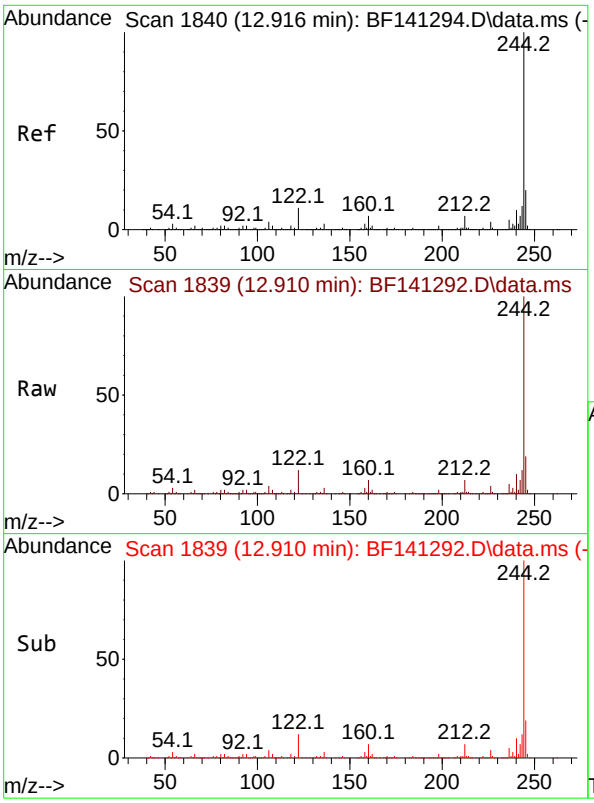


#78
Pyrene
Concen: 10.681 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 317744

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.3	14.3	21.5

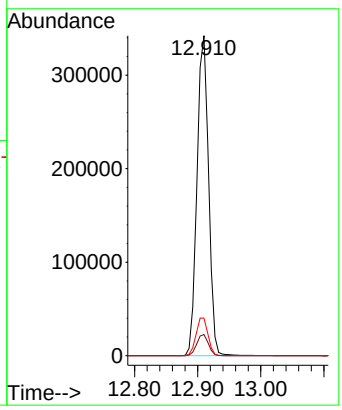




#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:244 Resp: 43478

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	8.8	13.2



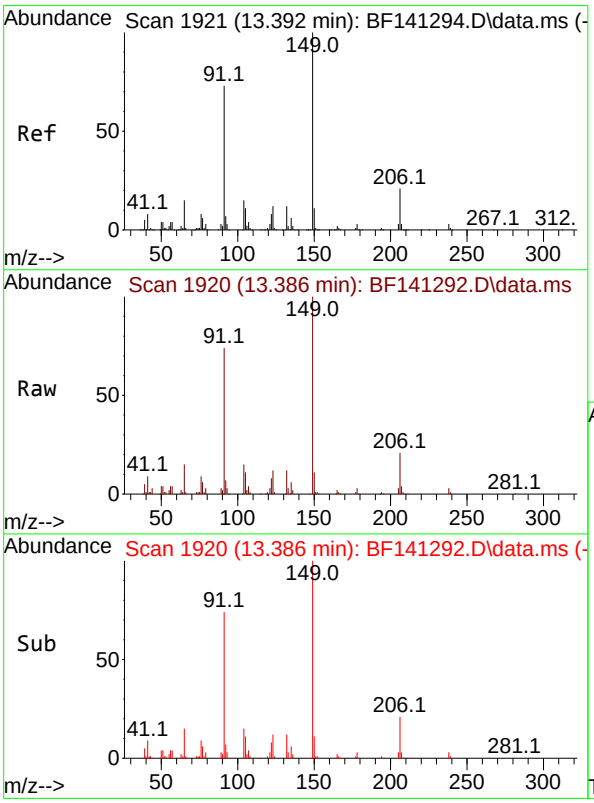
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

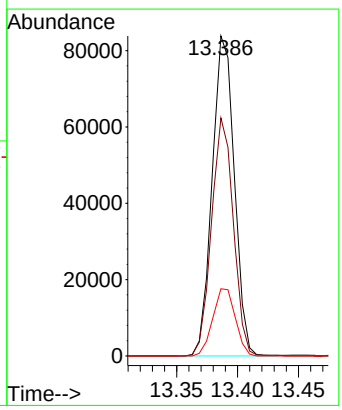
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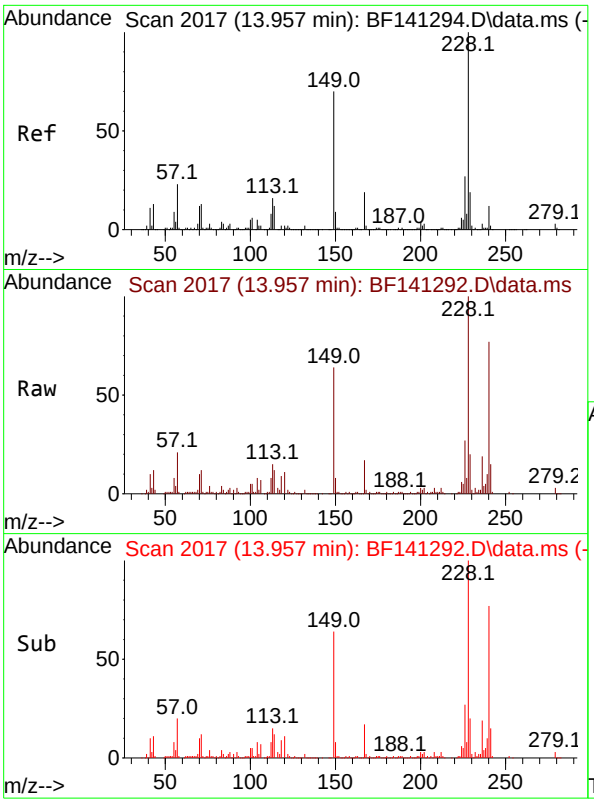


#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 106335

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.6	87.8
206	21.0	16.7	25.1





#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

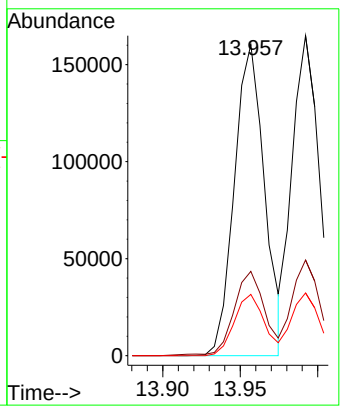
Tgt Ion:228 Resp: 21729

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.7	15.5	23.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

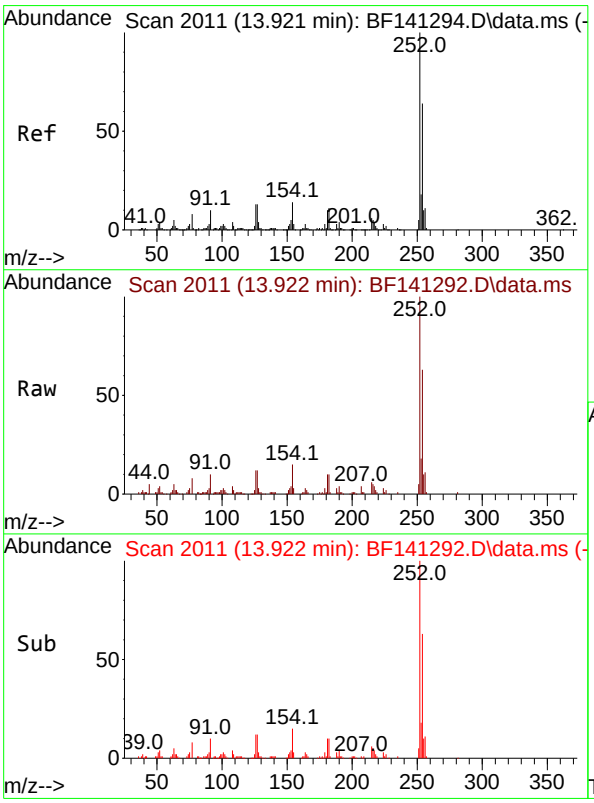
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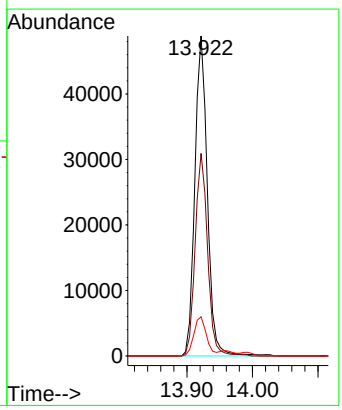
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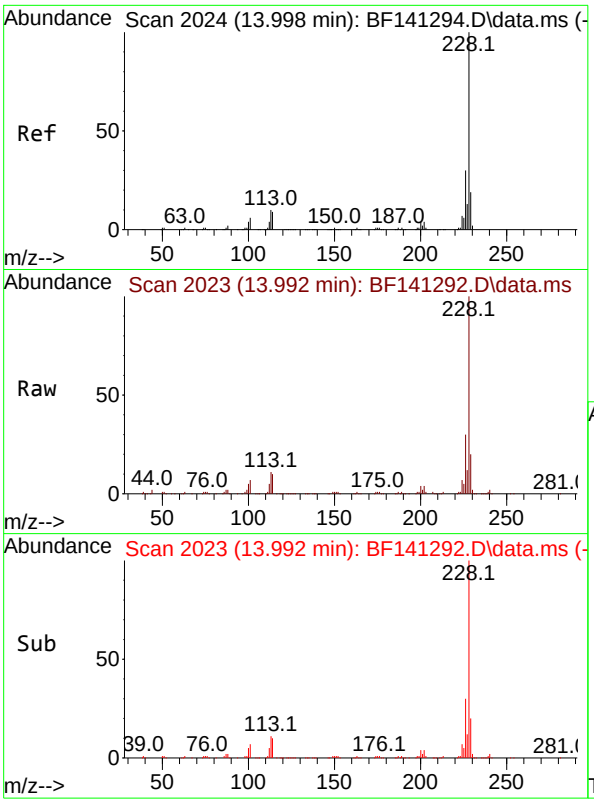


#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 65021

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.2	10.0	15.0





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

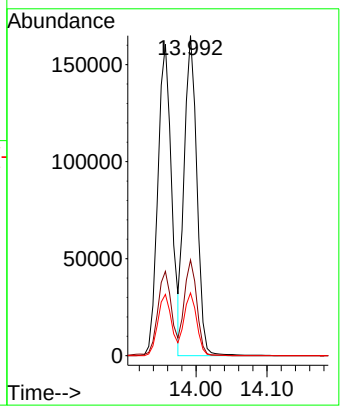
Tgt Ion:228 Resp: 20408

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

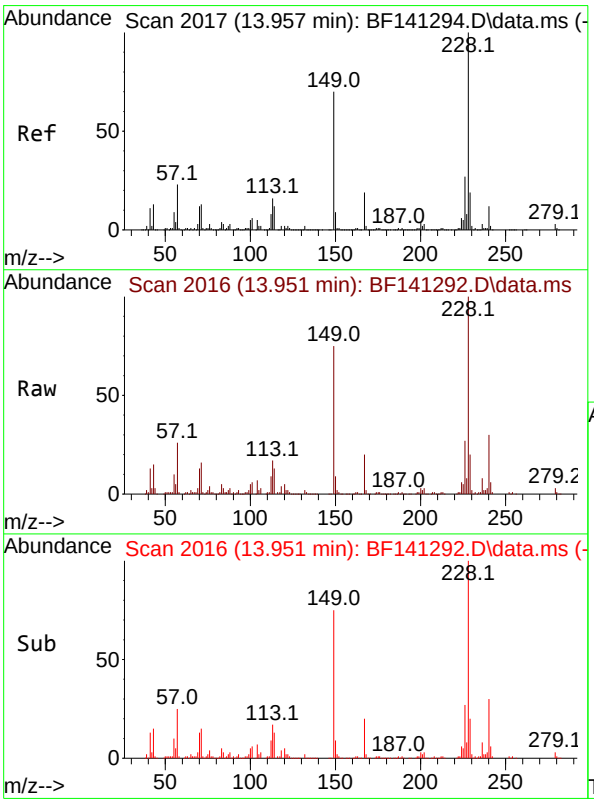
Manual Integrations APPROVED

Reviewed By :Yogesh Patel



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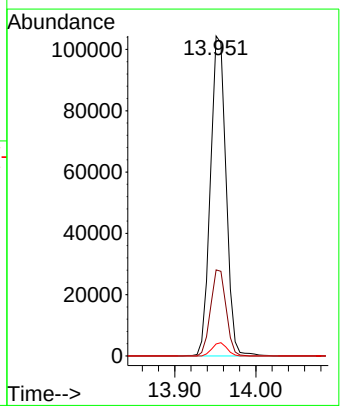
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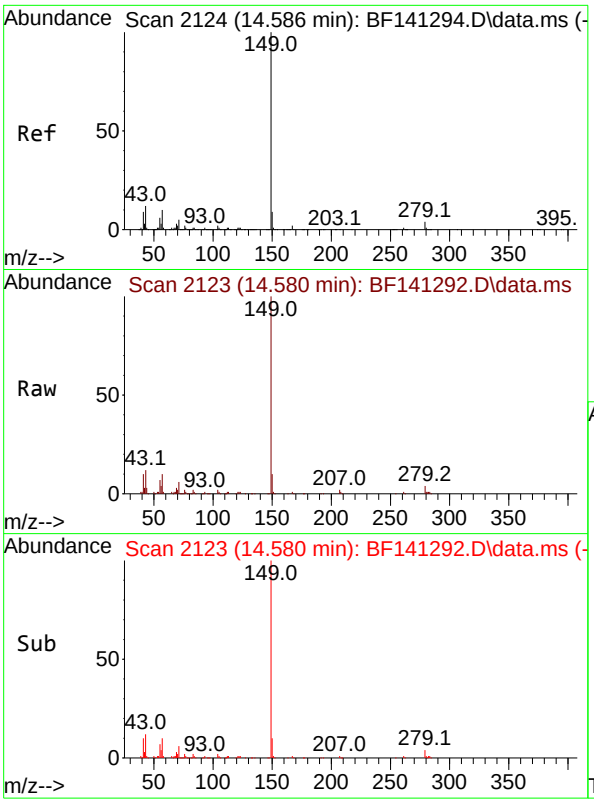


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 139099

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	3.8	3.3	4.9

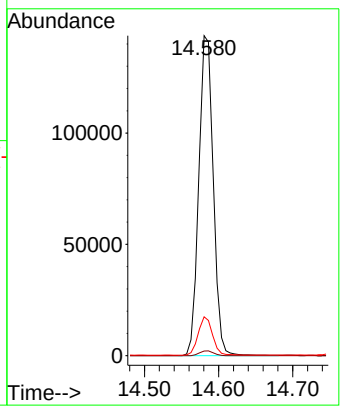




#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 19512

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.8	9.8	14.8



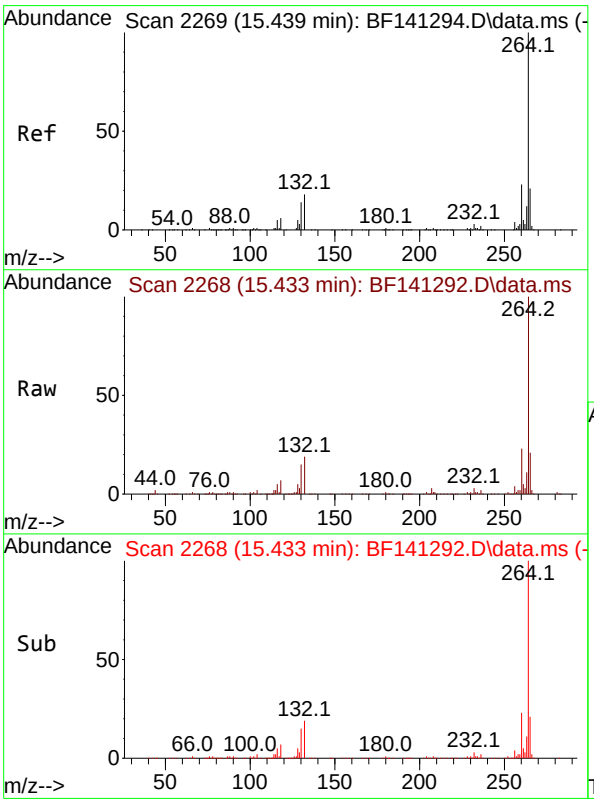
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

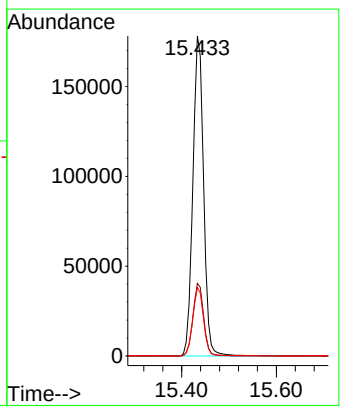
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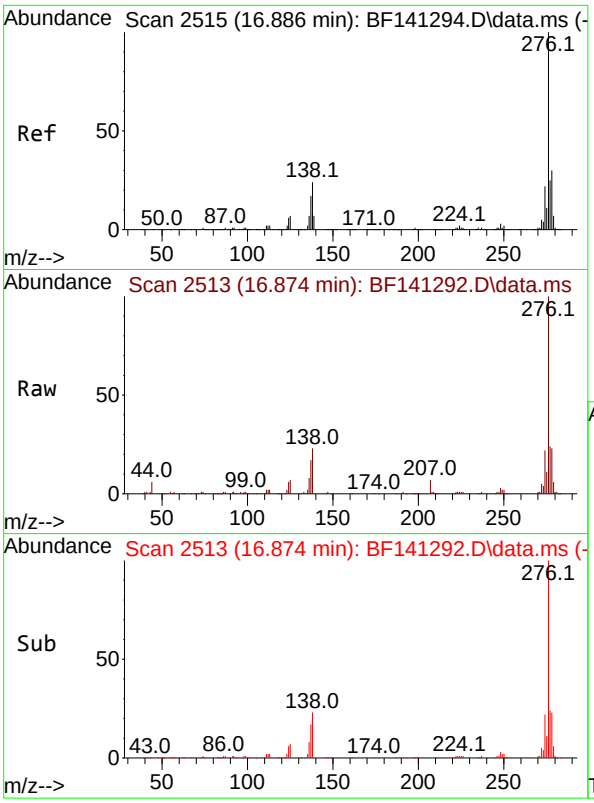


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:264 Resp: 280028

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.3	16.7	25.1

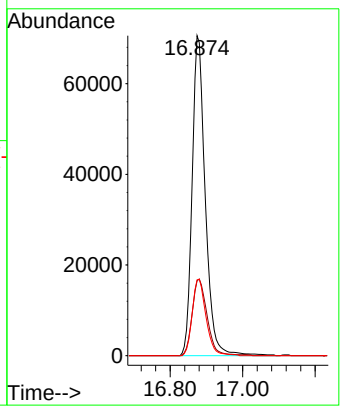




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.708 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 17755

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.1	20.3	30.5



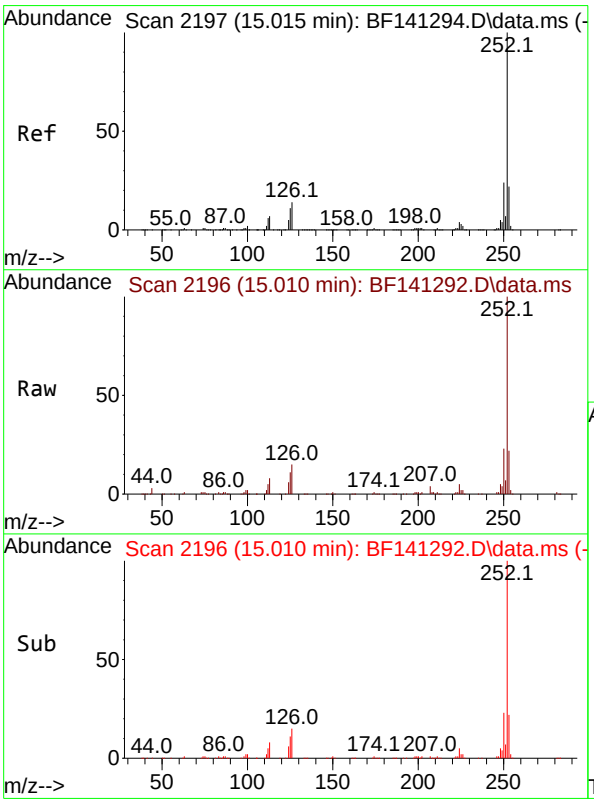
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ClientSampleId :
SSTDICC010

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Supervised By :mohammad ahmed

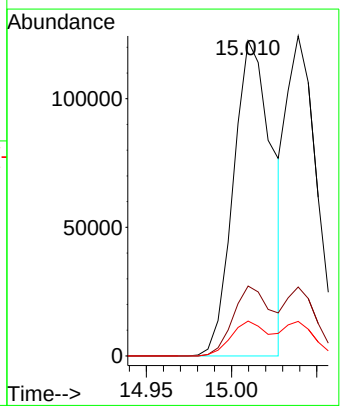
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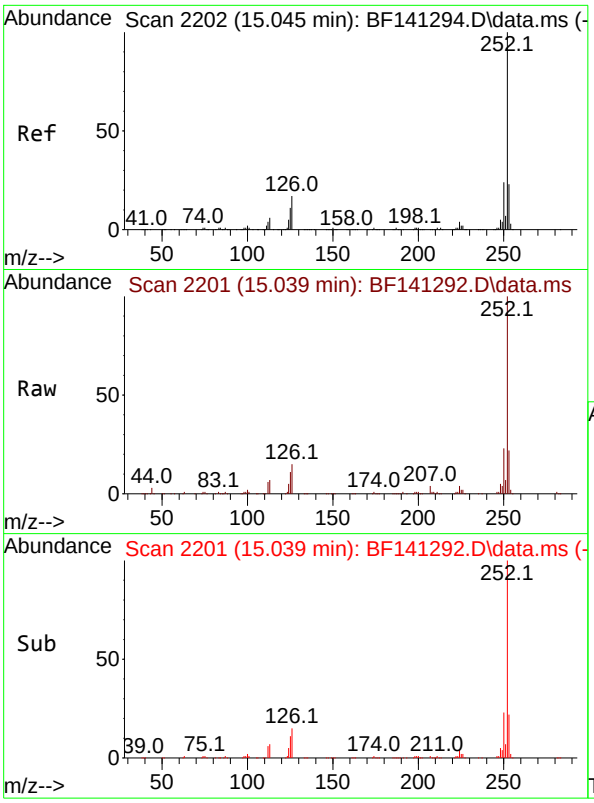


#88
Benzo(b)fluoranthene
Concen: 11.130 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 193558

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	11.1	8.6	12.8

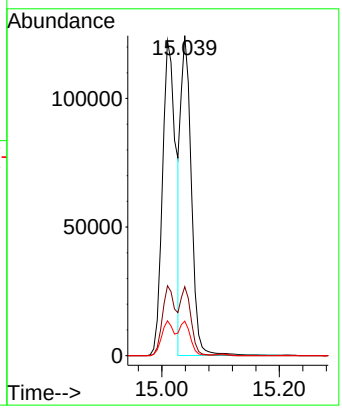




#89
Benzo(k)fluoranthene
Concen: 10.012 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 15592

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.8	8.4	12.6



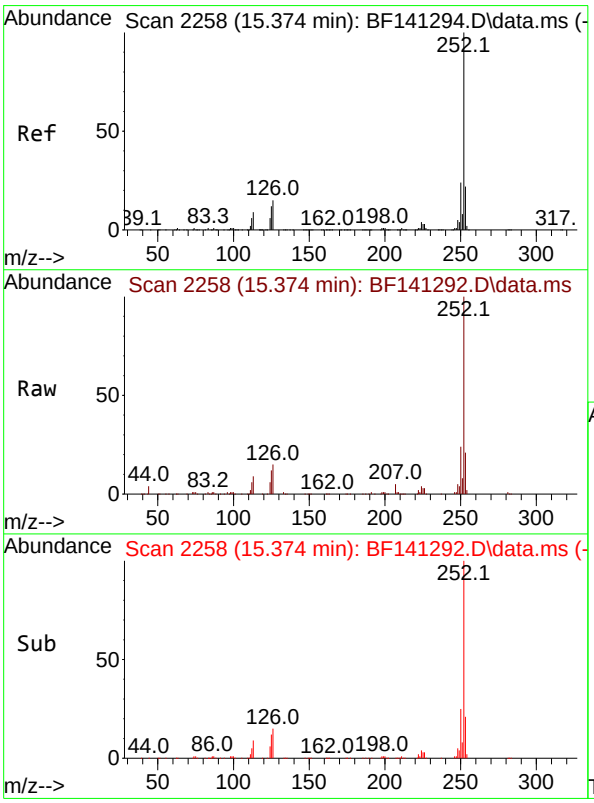
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel

01/30/2025
Supervised By :mohammad ahmed

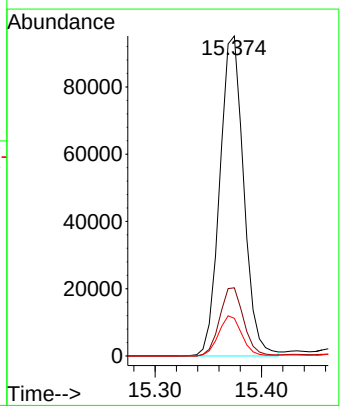
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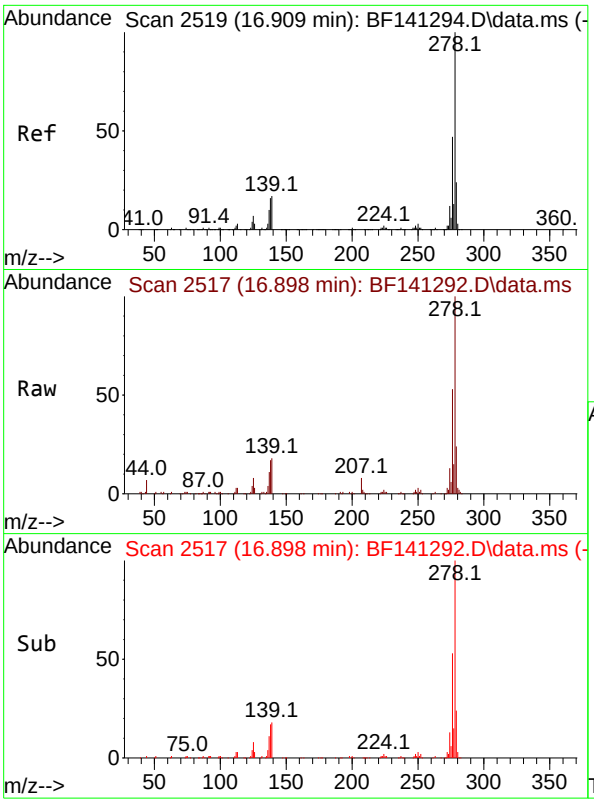


#90
Benzo(a)pyrene
Concen: 9.972 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 148214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.7	9.4	14.2

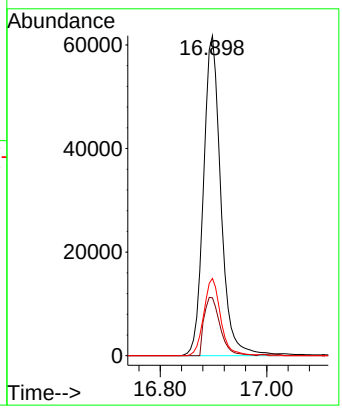




#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:278 Resp: 14014

Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.9	20.9
279	24.2	18.8	28.2



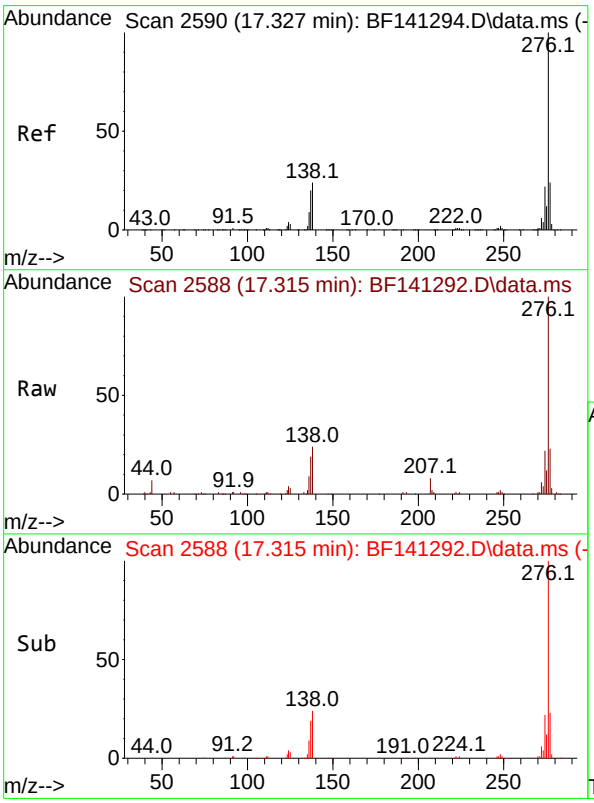
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel

01/30/2025
Supervised By :mohammad ahmed

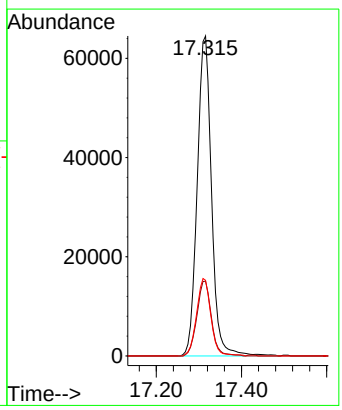
02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 9.756 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 150453

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	23.6	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136491	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	532862	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	293084	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	511320	20.000	ng	0.00
76) Chrysene-d12	13.974	240	314234	20.000	ng	0.00
86) Perylene-d12	15.457	264	289582	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	382610	43.351	ng	0.00
7) Phenol-d6	6.422	99	475876	42.305	ng	0.00
23) Nitrobenzene-d5	7.357	82	432160	42.912	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	116167	43.498	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	819371	43.127	ng	0.00
79) Terphenyl-d14	12.916	244	860956	42.159	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	81467	20.794	ng	98
3) Pyridine	3.210	79	197852	21.116	ng	99
4) n-Nitrosodimethylamine	3.152	42	112451	20.957	ng	98
6) Aniline	6.457	93	210459	22.385	ng	99
8) 2-Chlorophenol	6.581	128	203008	21.418	ng	96
9) Benzaldehyde	6.345	77	150675	23.065	ng	100
10) Phenol	6.434	94	257179	21.611	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	194572	21.260	ng	98
12) 1,3-Dichlorobenzene	6.739	146	224880	21.512	ng	99
13) 1,4-Dichlorobenzene	6.816	146	226376	21.503	ng	99
14) 1,2-Dichlorobenzene	6.969	146	213616	21.714	ng	99
15) Benzyl Alcohol	6.934	79	166008	21.602	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	340590	21.420	ng	100
17) 2-Methylphenol	7.045	107	165188	21.525	ng	99
18) Hexachloroethane	7.310	117	83193	21.359	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	140874	21.058	ng	99
20) 3+4-Methylphenols	7.198	107	205070	21.734	ng	96
22) Acetophenone	7.204	105	275680	21.825	ng	100
24) Nitrobenzene	7.381	77	224061	21.451	ng	98
25) Isophorone	7.616	82	369998	21.259	ng	99
26) 2-Nitrophenol	7.698	139	106287	21.725	ng	98
27) 2,4-Dimethylphenol	7.734	122	132748m	21.233	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	237369	21.403	ng	98
29) 2,4-Dichlorophenol	7.934	162	166153	21.750	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	188468	21.511	ng	99
31) Naphthalene	8.104	128	607622	21.681	ng	100
32) Benzoic acid	7.816	122	126734	22.321	ng	99
33) 4-Chloroaniline	8.151	127	208531	22.151	ng	99
34) Hexachlorobutadiene	8.222	225	111274	21.699	ng	97
35) Caprolactam	8.498	113	54280	21.968	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	177981	21.708	ng	99
37) 2-Methylnaphthalene	8.792	142	386035	21.630	ng	100
38) 1-Methylnaphthalene	8.892	142	378878	21.671	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	176736	21.209	ng	99
41) Hexachlorocyclopentadiene	8.945	237	51112	20.438	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	114390	21.029	ng	99

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ClientSampleId :
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Supervised By :mohammad ahmed 02/04/2025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	125725	21.245	ng		98
46) 1,1'-Biphenyl	9.257	154	483479	21.145	ng		100
47) 2-Chloronaphthalene	9.281	162	377946	21.282	ng		99
48) 2-Nitroaniline	9.375	65	119359	21.310	ng		98
49) Acenaphthylene	9.698	152	531957	21.328	ng		99
50) Dimethylphthalate	9.557	163	423377	21.542	ng		100
51) 2,6-Dinitrotoluene	9.622	165	97622	21.345	ng		96
52) Acenaphthene	9.869	154	378511	21.328	ng		99
53) 3-Nitroaniline	9.786	138	100085	22.123	ng		98
54) 2,4-Dinitrophenol	9.892	184	40003	18.557	ng	#	86
55) Dibenzofuran	10.039	168	514223	21.665	ng		100
56) 4-Nitrophenol	9.945	139	73425	22.607	ng		97
57) 2,4-Dinitrotoluene	10.022	165	129942	22.027	ng		98
58) Fluorene	10.386	166	396520	21.488	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	99841	21.354	ng		99
60) Diethylphthalate	10.257	149	413889	21.745	ng		99
61) 4-Chlorophenyl-phenyle...	10.380	204	193134	21.446	ng		99
62) 4-Nitroaniline	10.398	138	96692	22.250	ng		98
63) Azobenzene	10.539	77	407492	21.358	ng		99
65) 4,6-Dinitro-2-methylph...	10.427	198	62572	20.492	ng		97
66) n-Nitrosodiphenylamine	10.498	169	344387	20.773	ng		100
67) 4-Bromophenyl-phenylether	10.869	248	119844	20.967	ng		98
68) Hexachlorobenzene	10.933	284	126823	20.917	ng		99
69) Atrazine	11.022	200	109133	19.627	ng		99
70) Pentachlorophenol	11.127	266	74508	20.958	ng		98
71) Phenanthrene	11.351	178	584027	21.262	ng		100
72) Anthracene	11.398	178	572743	21.377	ng		100
73) Carbazole	11.557	167	522100	22.000	ng		99
74) Di-n-butylphthalate	11.892	149	636521	22.251	ng		100
75) Fluoranthene	12.539	202	611492	22.808	ng		100
77) Benzidine	12.663	184	65963	6.904	ng		99
78) Pyrene	12.769	202	629228	20.739	ng		99
80) Butylbenzylphthalate	13.392	149	232095	22.149	ng		99
81) Benzo(a)anthracene	13.968	228	456535	21.197	ng		99
82) 3,3'-Dichlorobenzidine	13.927	252	134298	19.914	ng		99
83) Chrysene	14.004	228	421849	21.122	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	300546	22.857	ng		99
85) Di-n-octyl phthalate	14.604	149	451748	21.964	ng		100
87) Indeno(1,2,3-cd)pyrene	16.909	276	387089	20.466	ng		99
88) Benzo(b)fluoranthene	15.033	252	384557	21.383	ng		99
89) Benzo(k)fluoranthene	15.062	252	368801	22.900	ng		99
90) Benzo(a)pyrene	15.392	252	327630	21.317	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	318776	21.026	ng		100
92) Benzo(g,h,i)perylene	17.345	276	329876	20.684	ng		100

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

ICAL Form

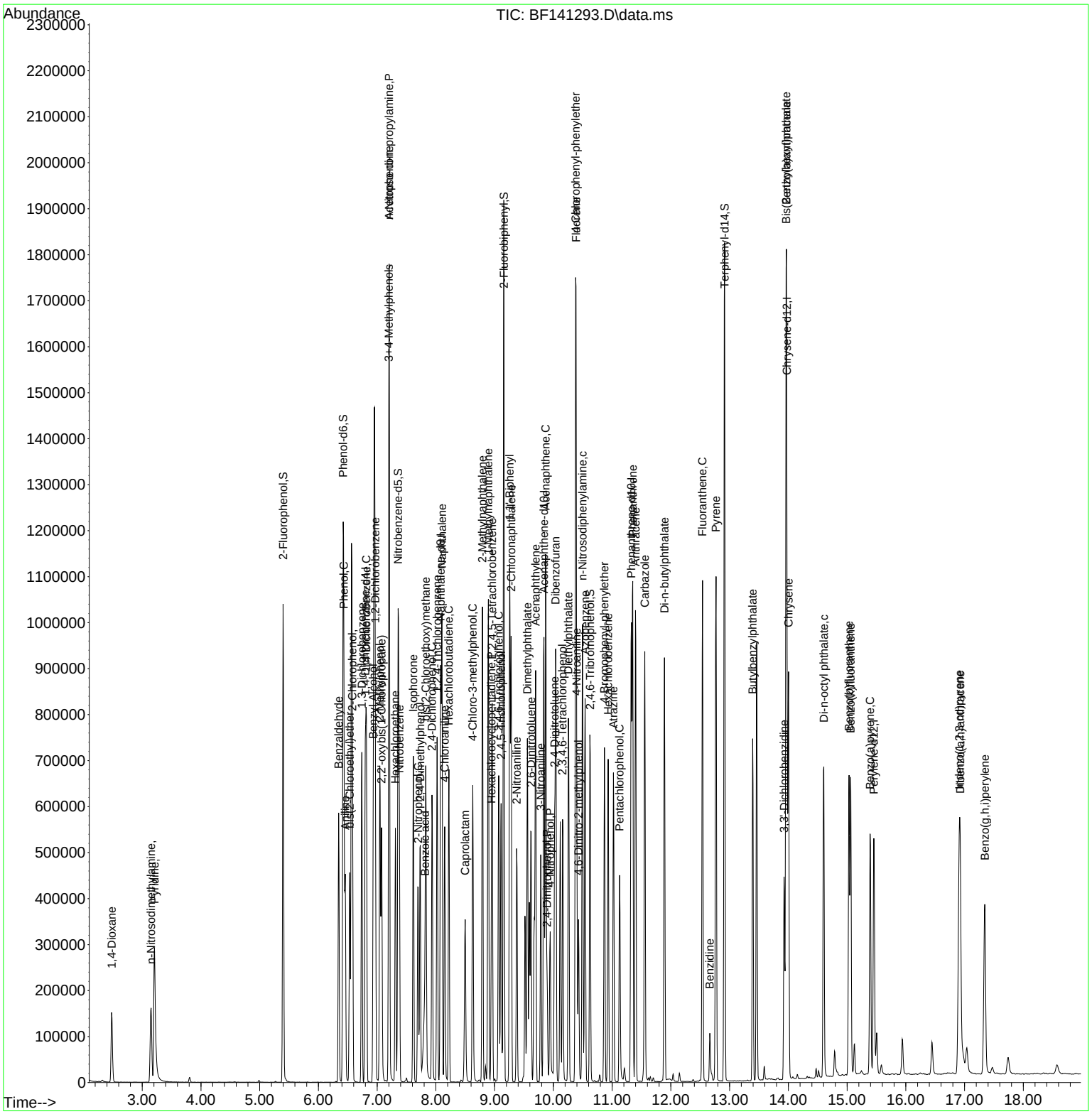
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Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

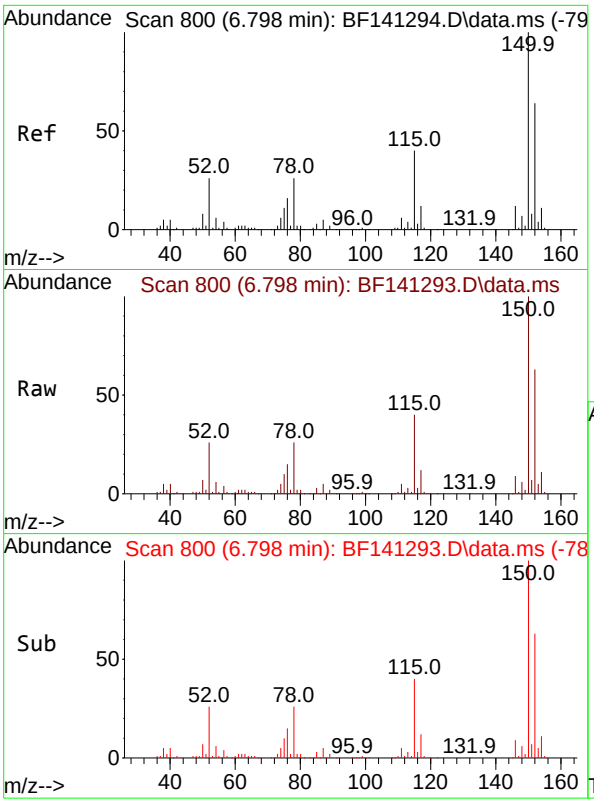
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QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

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BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 02/04/2025

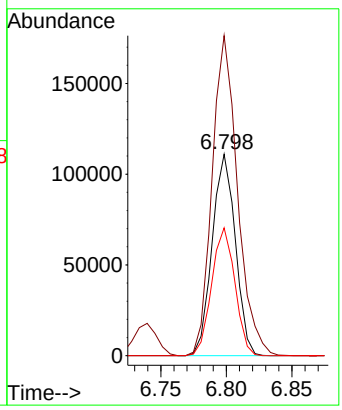




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 13649

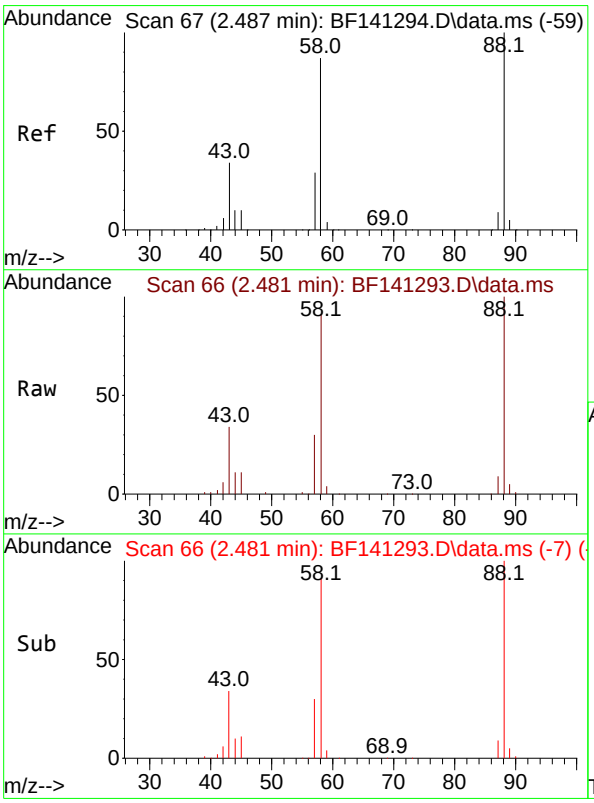
Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.9	188.9
115	63.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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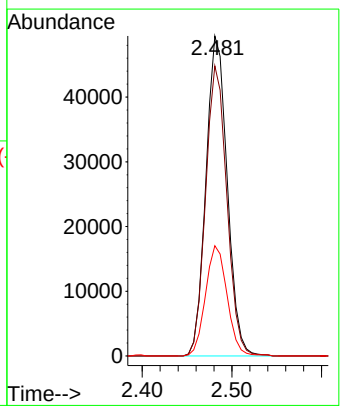
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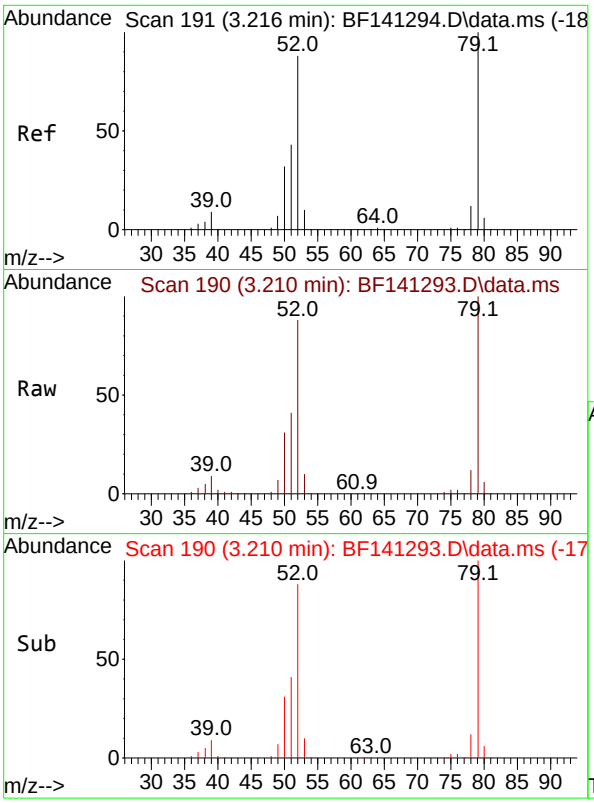


#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 88 Resp: 81467

Ion	Ratio	Lower	Upper
88	100		
58	90.4	70.2	105.4
43	35.0	27.6	41.4

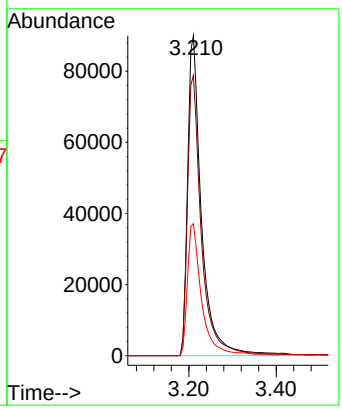




#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 19785

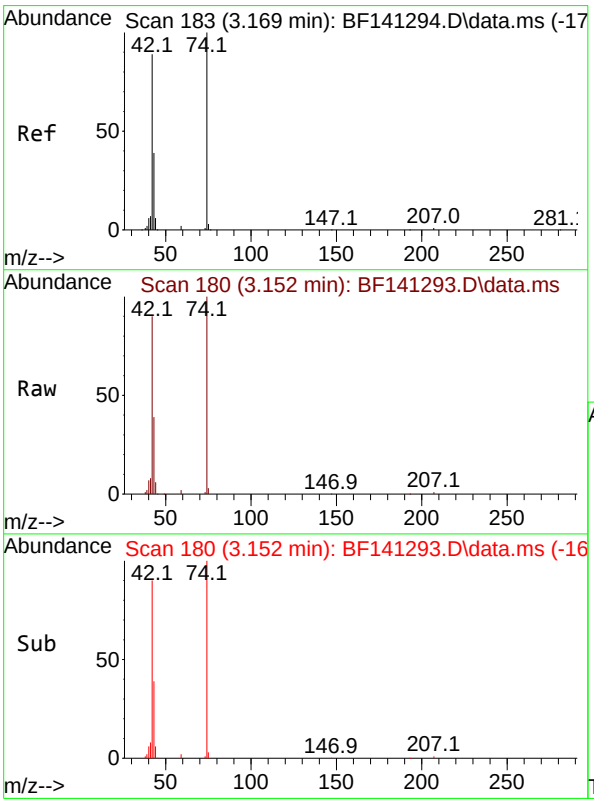
Ion	Ratio	Lower	Upper
79	100		
52	87.6	70.3	105.5
51	41.2	34.3	51.5



Instrument :
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ClientSampleId :
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Manual Integrations
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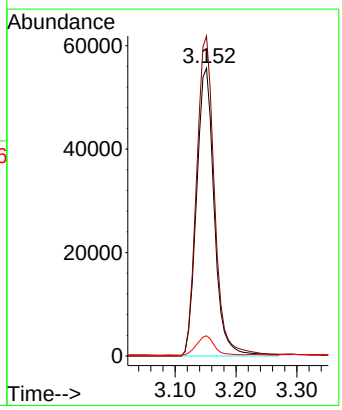
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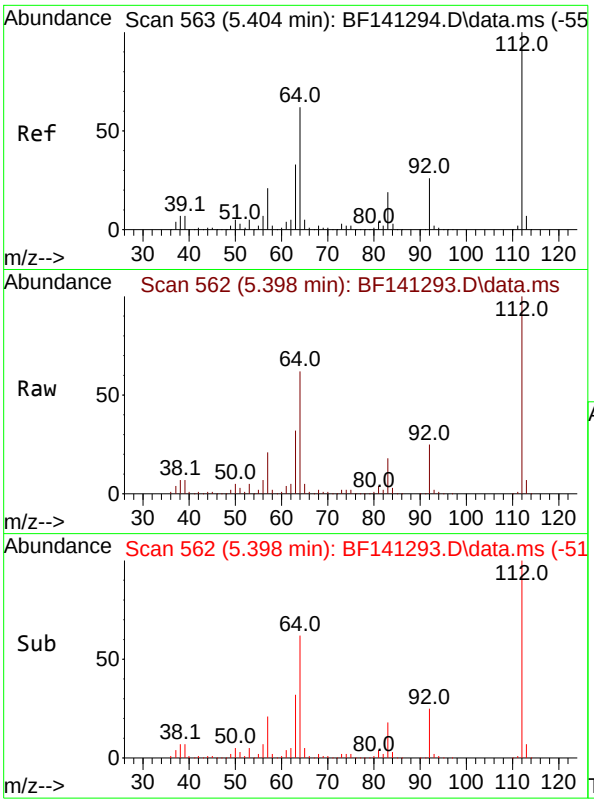


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 42 Resp: 112451

Ion	Ratio	Lower	Upper
42	100		
74	111.2	90.3	135.5
44	7.0	5.7	8.5

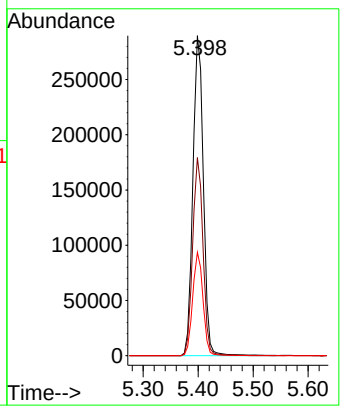




#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:112 Resp: 38261

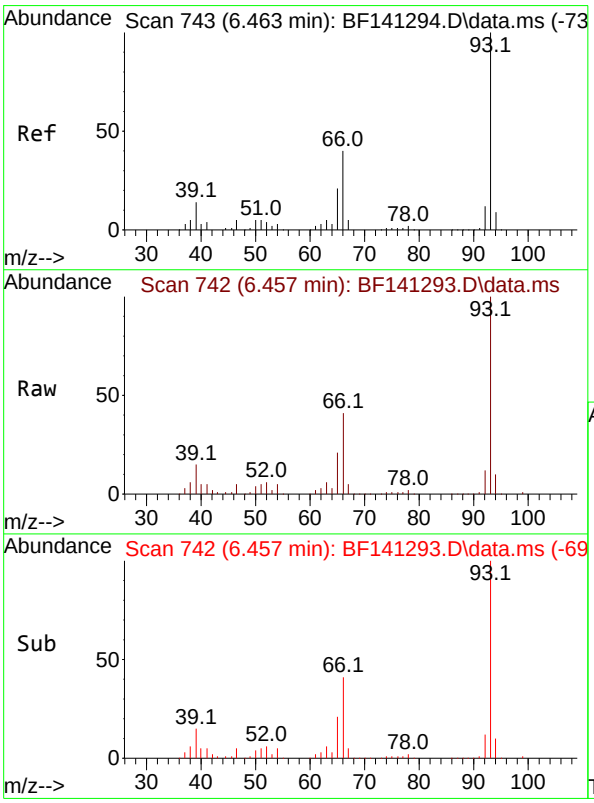
Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	32.3	26.1	39.1



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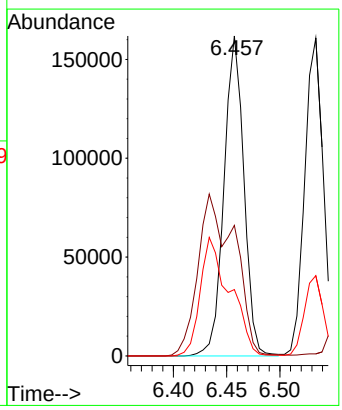
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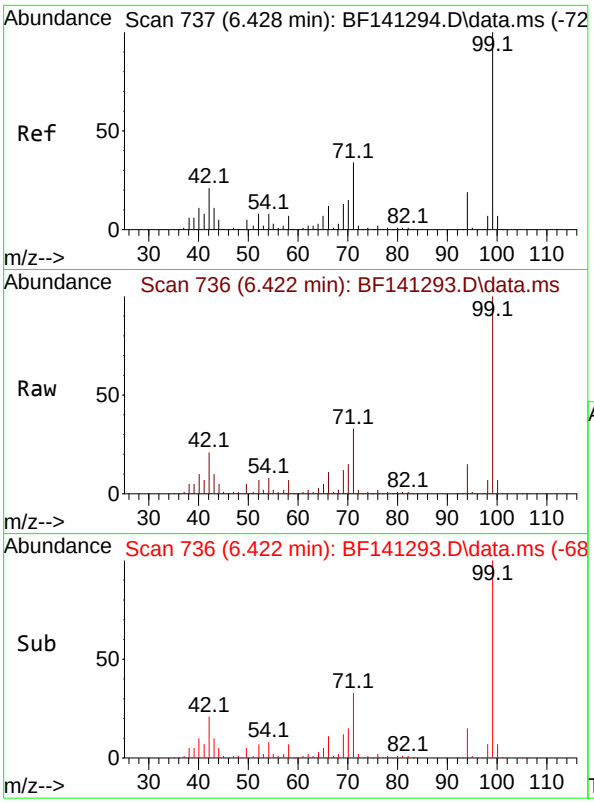


#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.5	48.7
65	20.7	17.0	25.6

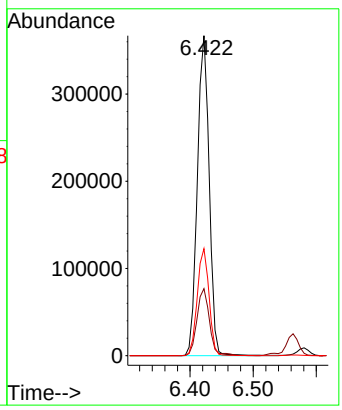




#7
Phenol-d6
Concen: 42.305 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 99 Resp: 47587

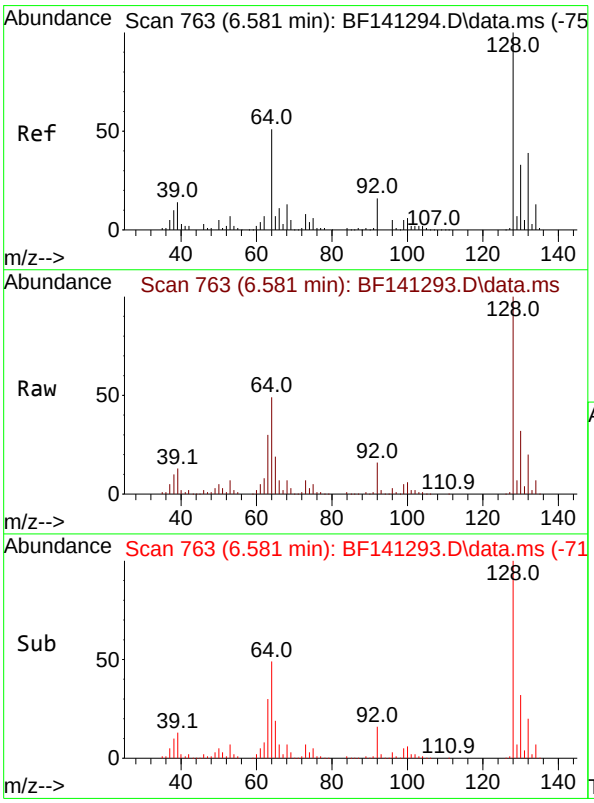
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.1	25.7
71	33.5	26.9	40.3



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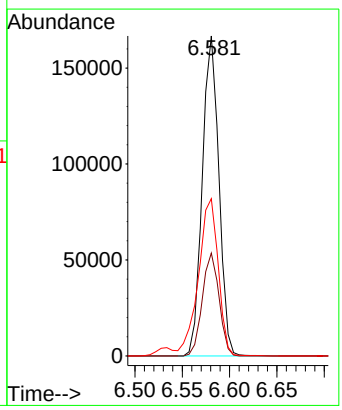
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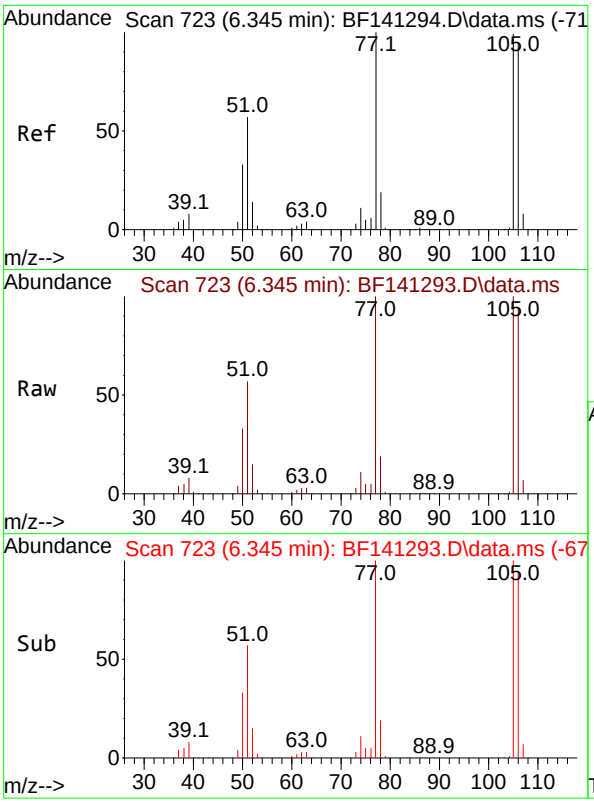


#8
2-Chlorophenol
Concen: 21.418 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 203008

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	49.1	32.9	72.9

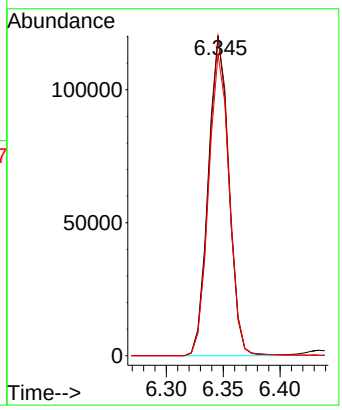




#9
Benzaldehyde
Concen: 23.065 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 15067

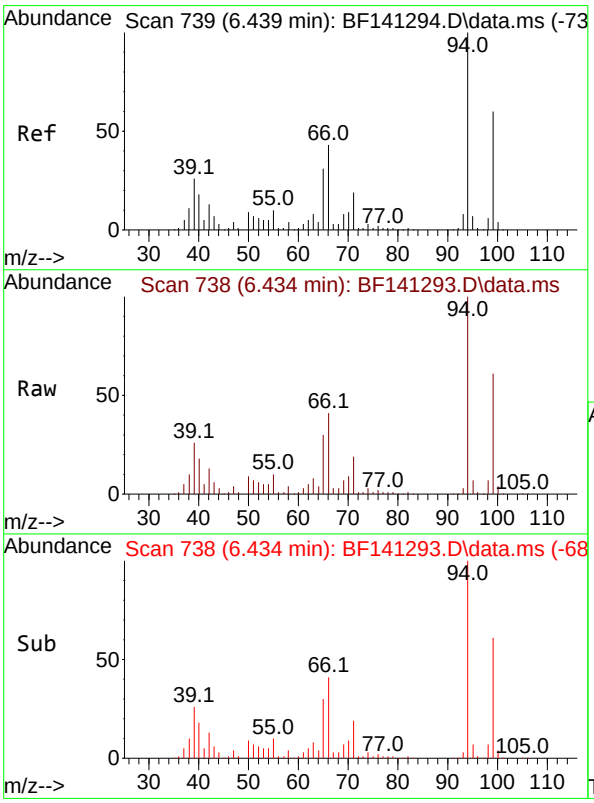
Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.2	74.6	114.6



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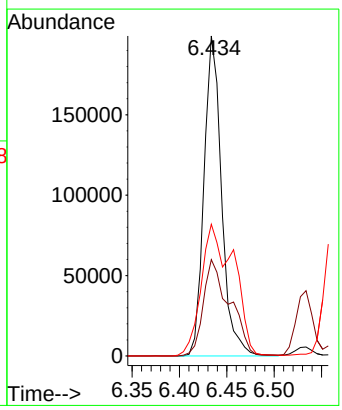
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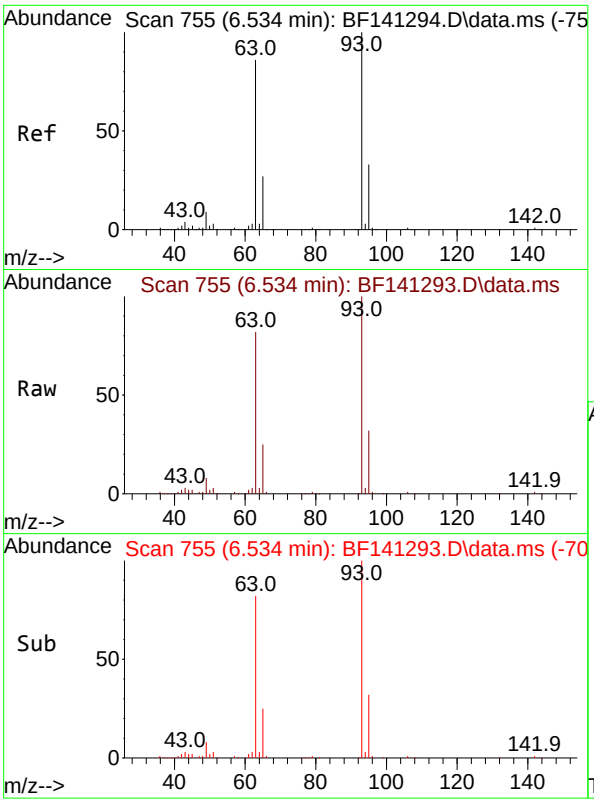


#10
Phenol
Concen: 21.611 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 94 Resp: 257179

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.8	50.8
66	41.1	23.3	63.3

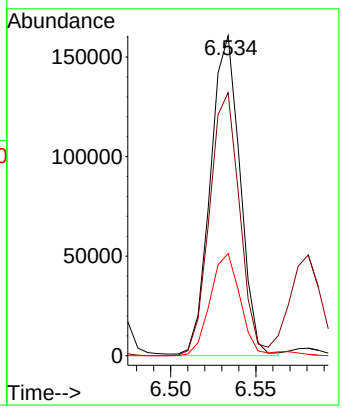




#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 19457

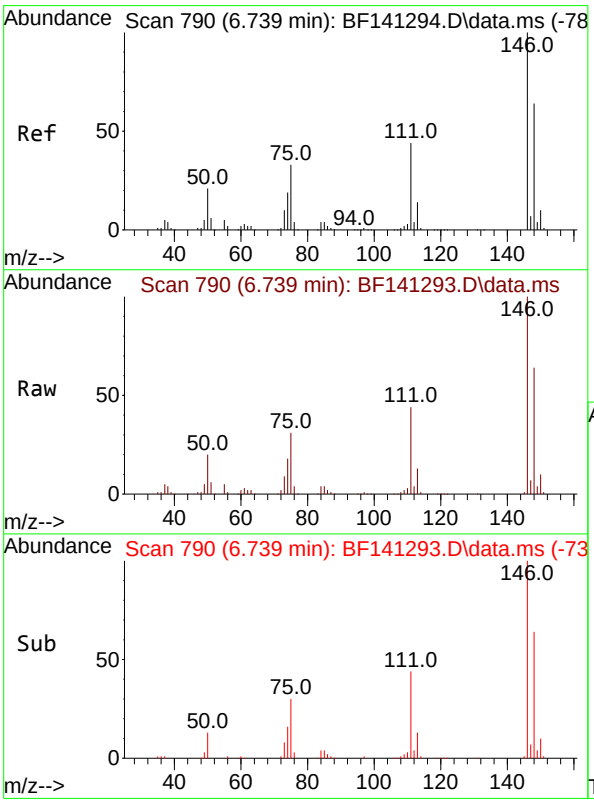
Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	31.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

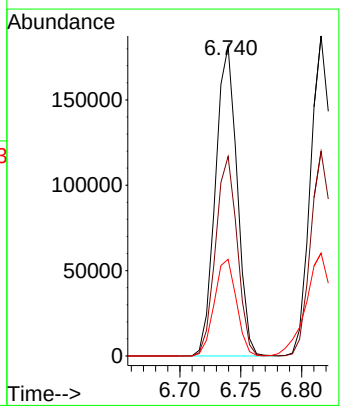
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

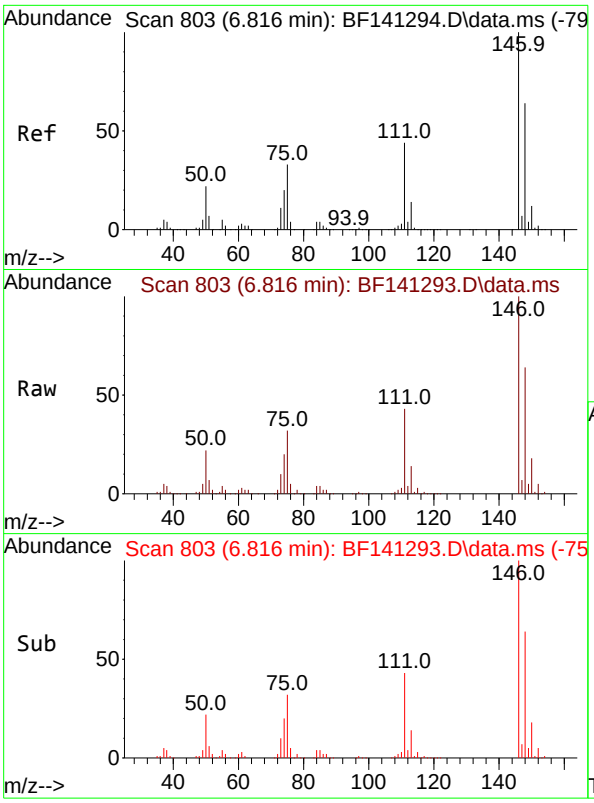


#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	31.2	26.2	39.4

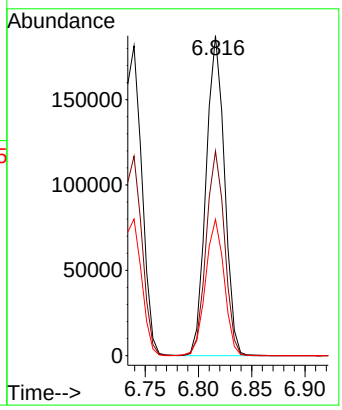




#13
1,4-Dichlorobenzene
Concen: 21.503 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 22637(

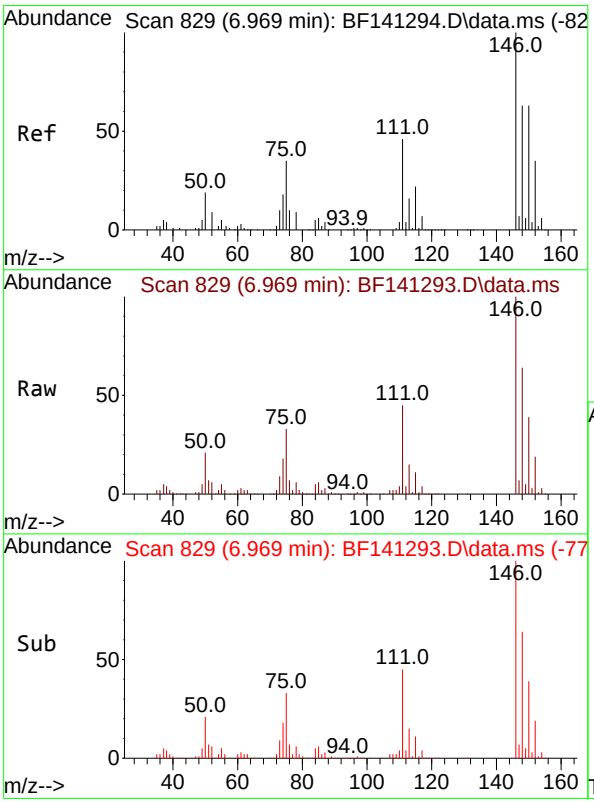
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	42.6	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

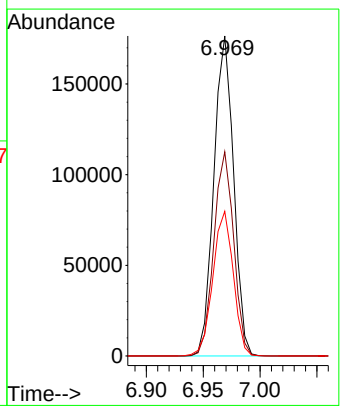
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

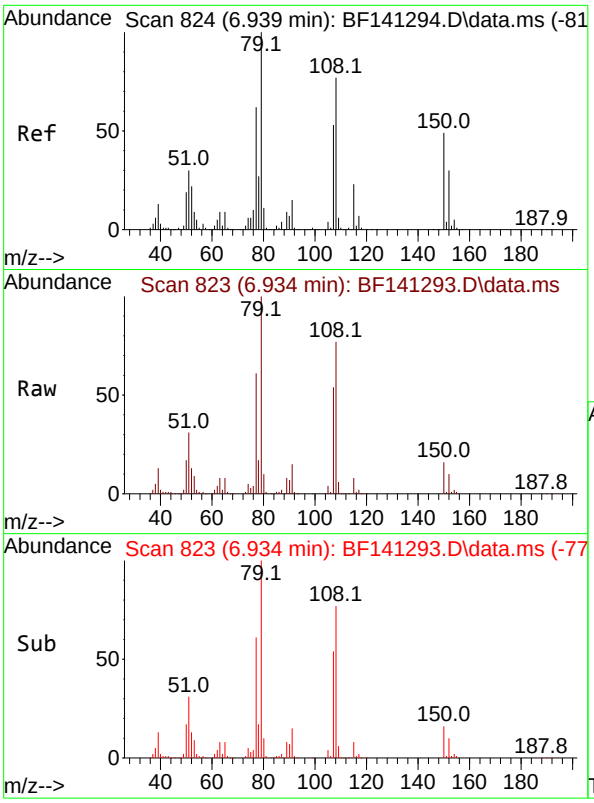


#14
1,2-Dichlorobenzene
Concen: 21.714 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 213616

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	45.2	36.6	55.0

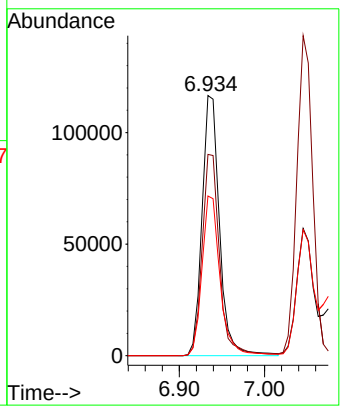




#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 16600

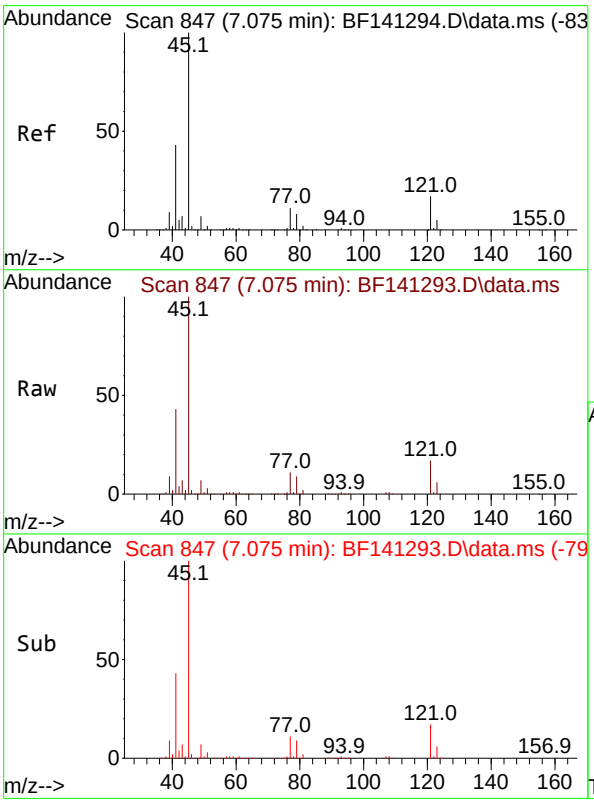
Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.4	92.0
77	61.4	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

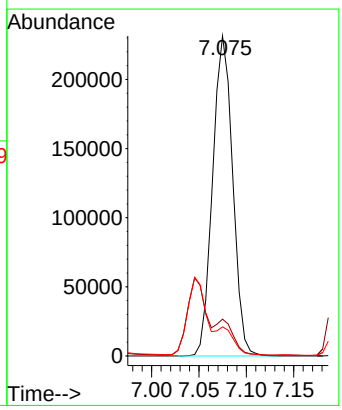
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

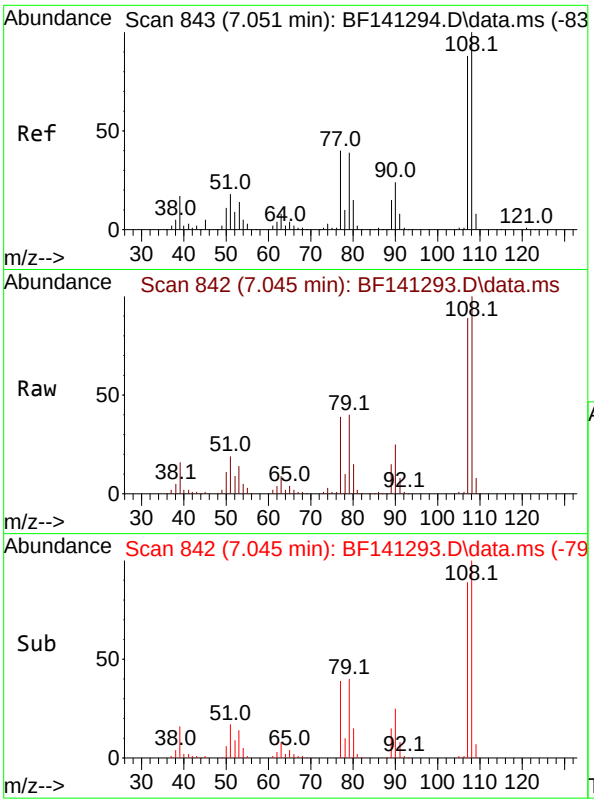


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 45 Resp: 340590

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.8
79	9.1	0.0	29.1

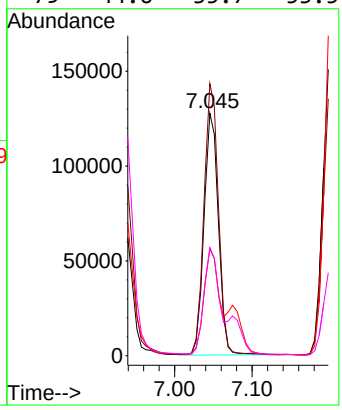




#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 16518

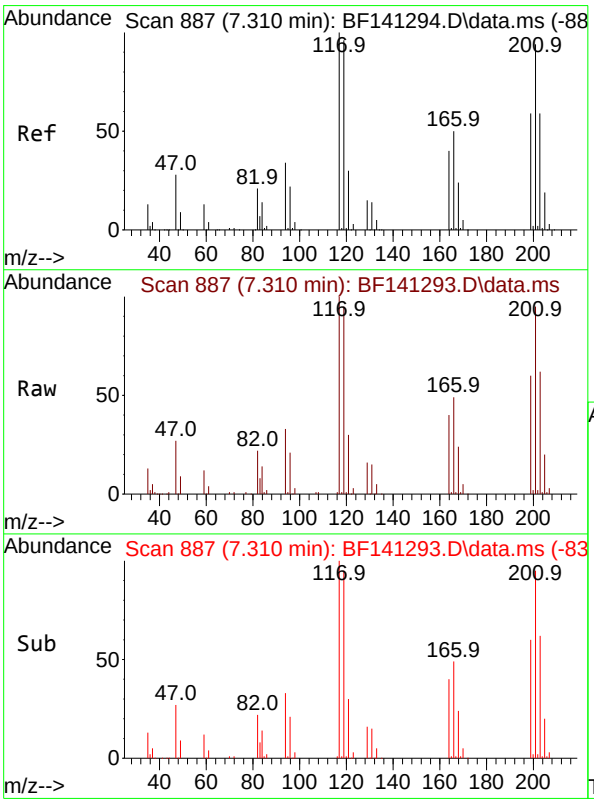
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.8	136.2
77	44.2	36.2	54.4
79	44.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

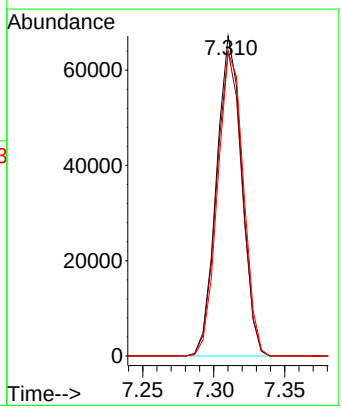
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

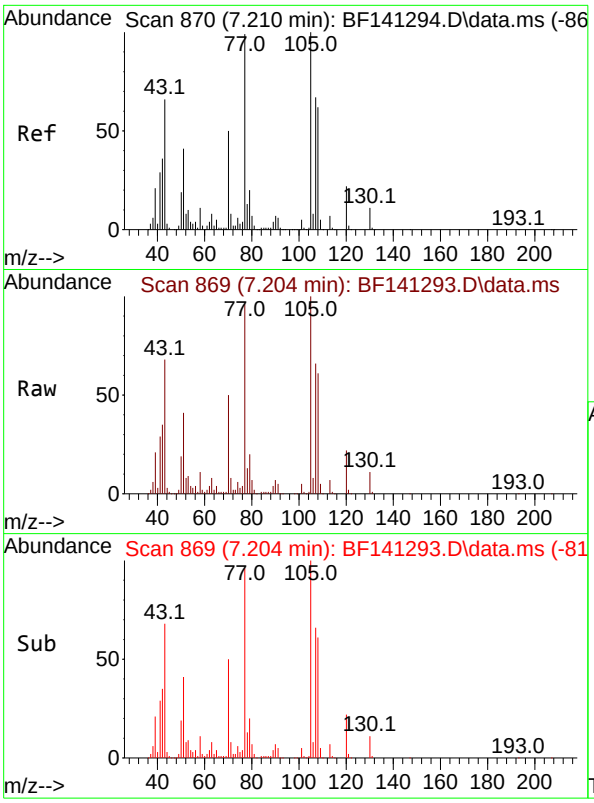


#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	114.8
201	95.1	74.8	112.2

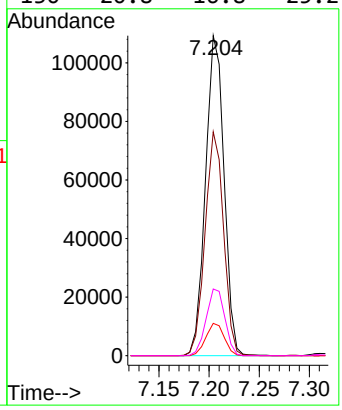




#19
n-Nitroso-di-n-propylamine
Concen: 21.058 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 70 Resp: 14087

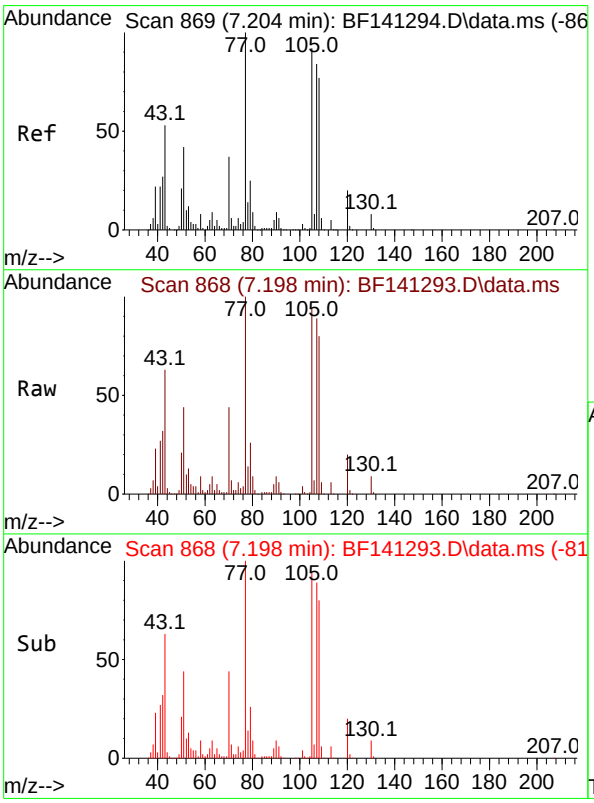
Ion	Ratio	Lower	Upper
70	100		
42	69.9	56.8	85.2
101	10.1	7.7	11.5
130	20.8	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

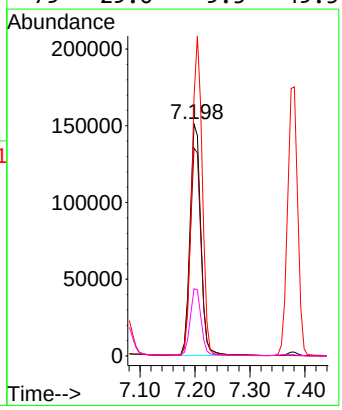
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

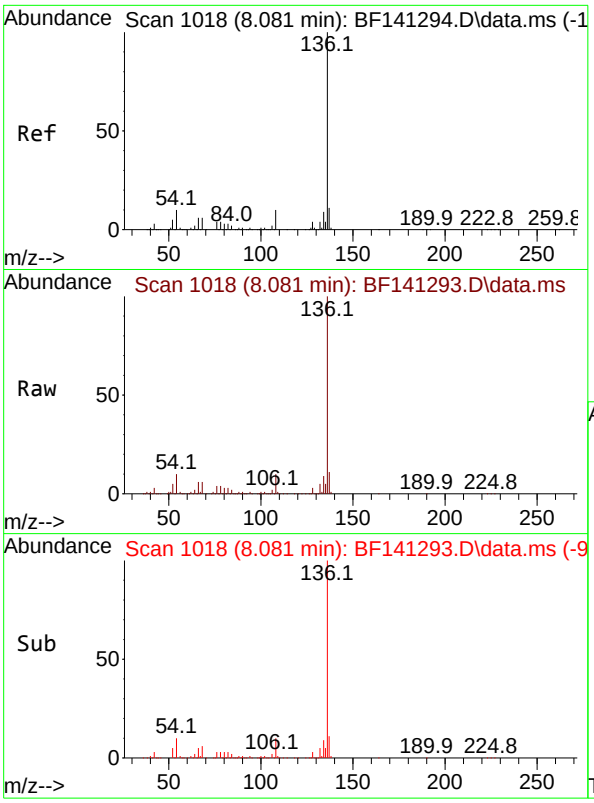


#20
3+4-Methylphenols
Concen: 21.734 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.9	110.9
77	111.7	98.5	138.5
79	29.0	9.5	49.5

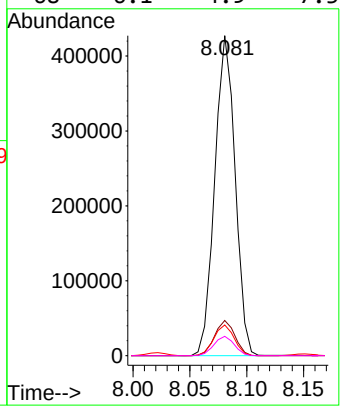




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:136 Resp: 53286

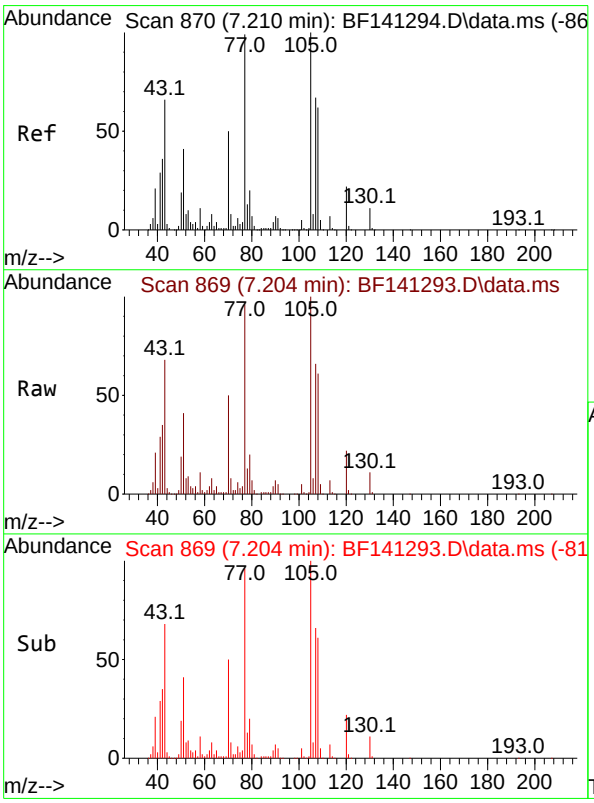
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

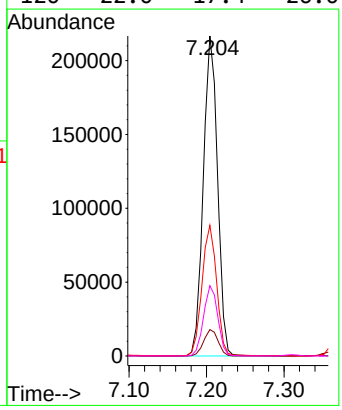
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

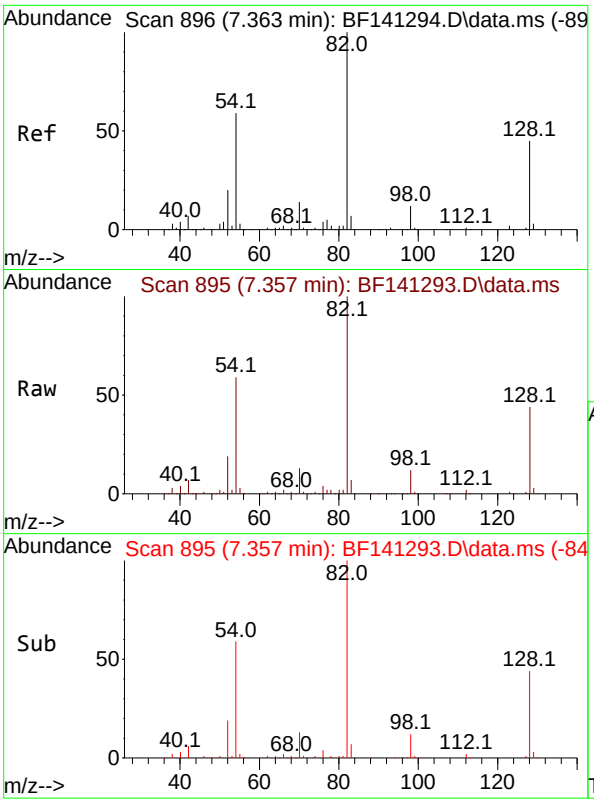


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:105 Resp: 275680

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.8	10.2
51	40.8	32.6	49.0
120	22.0	17.4	26.0

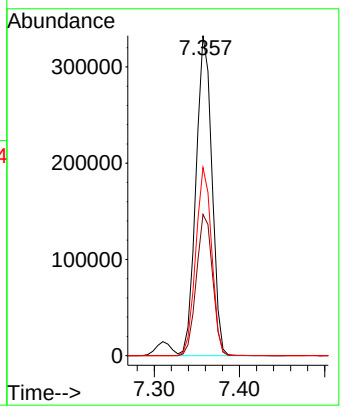




#23
Nitrobenzene-d5
Concen: 42.912 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 43216

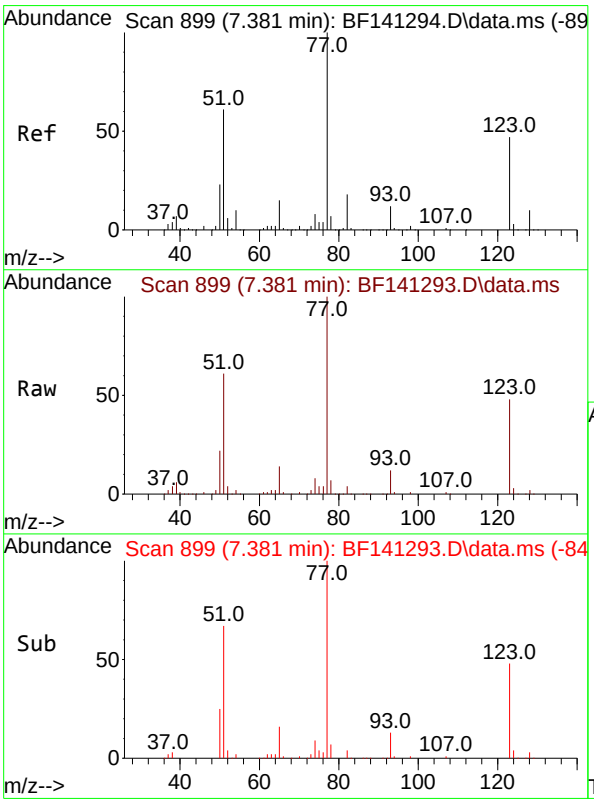
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.8	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

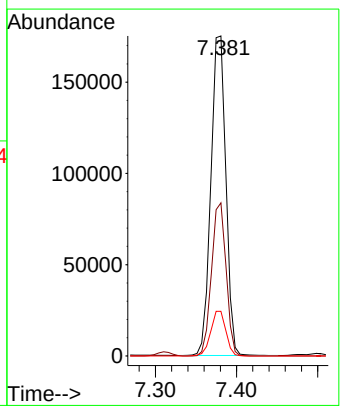
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

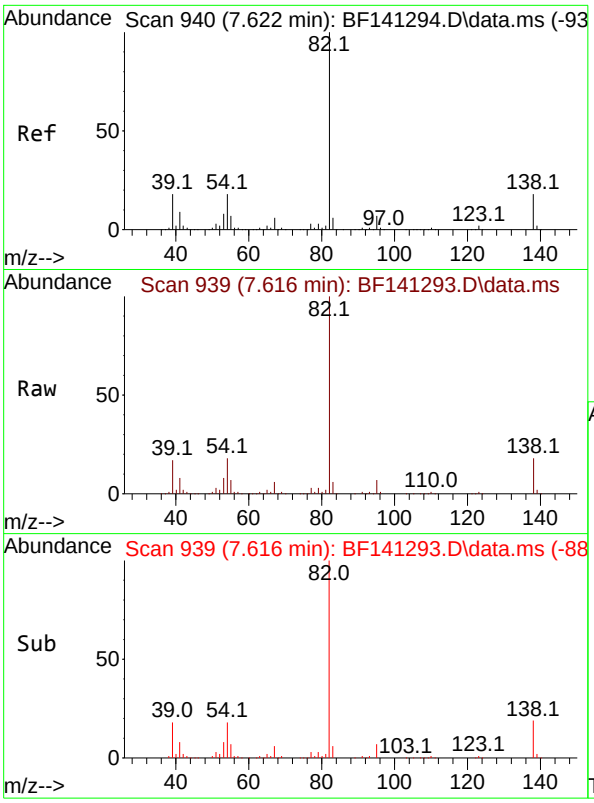


#24
Nitrobenzene
Concen: 21.451 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 224061

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.3	55.9
65	13.9	11.8	17.6

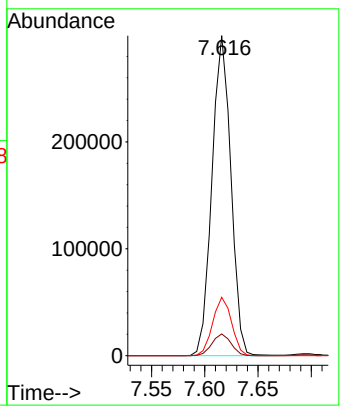




#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 36999

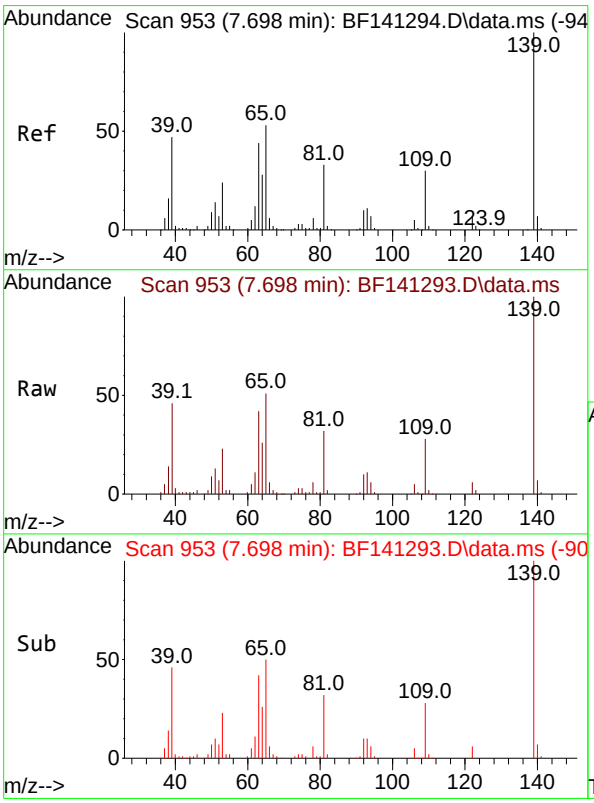
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.8	8.6
138	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

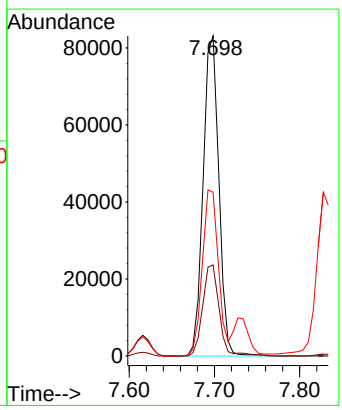
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

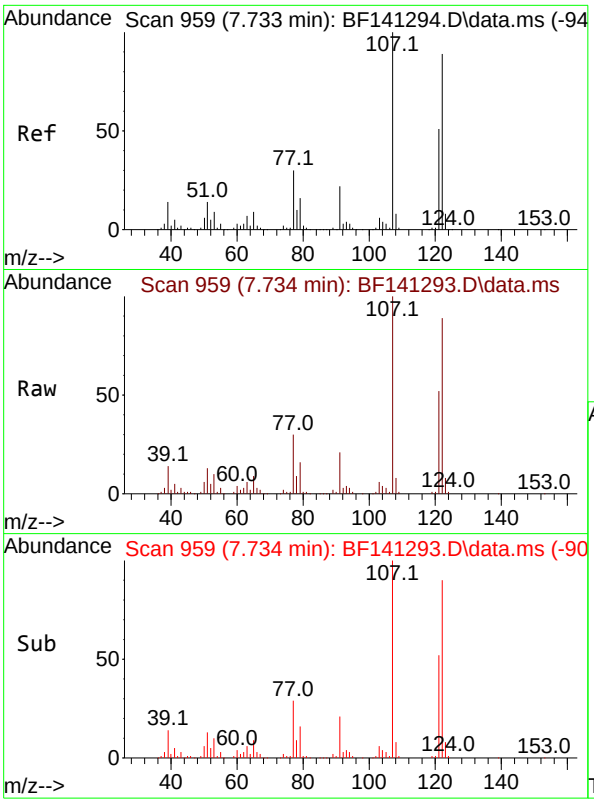


#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.8	35.6
65	51.2	42.2	63.4

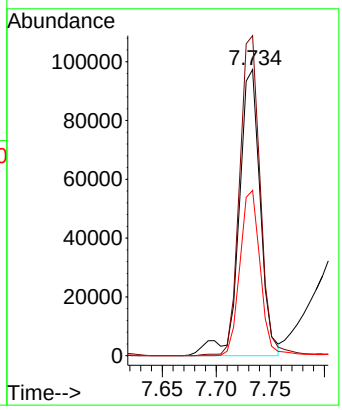




#27
2,4-Dimethylphenol
Concen: 21.233 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 13274

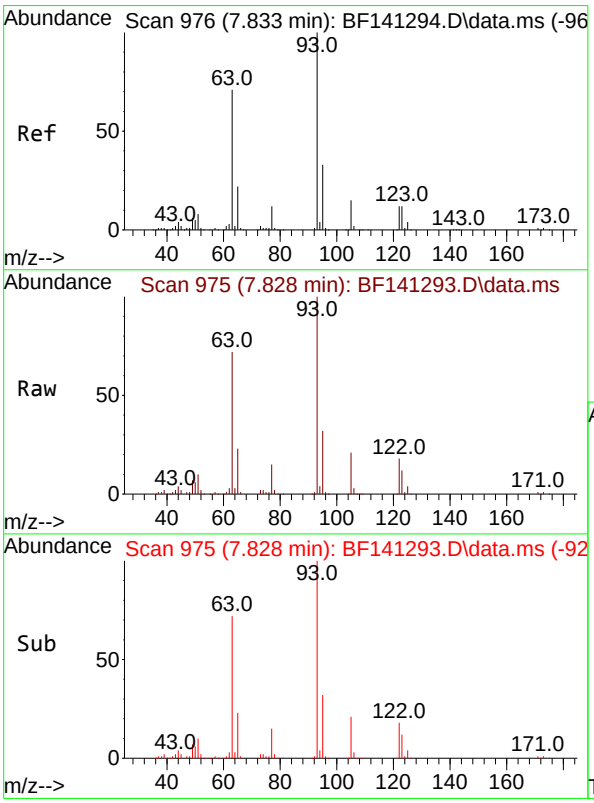
Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.8	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

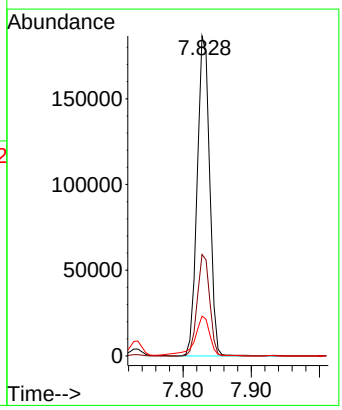
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

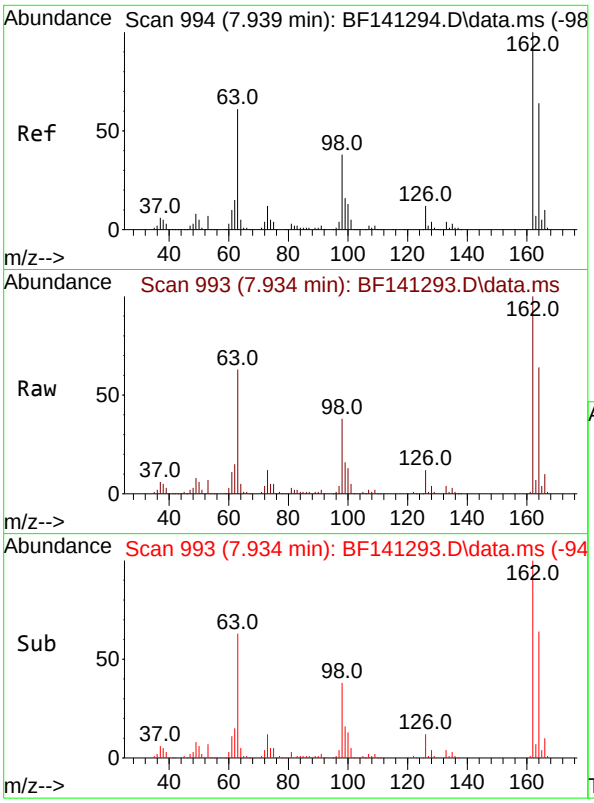


#28
bis(2-Chloroethoxy)methane
Concen: 21.403 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 237369

Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.2
123	12.5	10.2	15.4

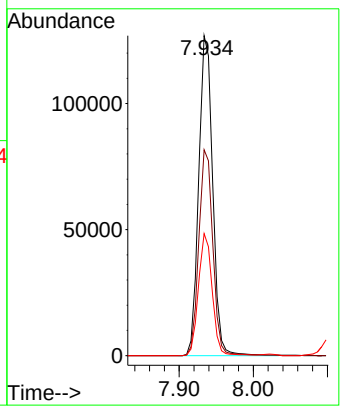




#29
2,4-Dichlorophenol
Concen: 21.750 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 16615

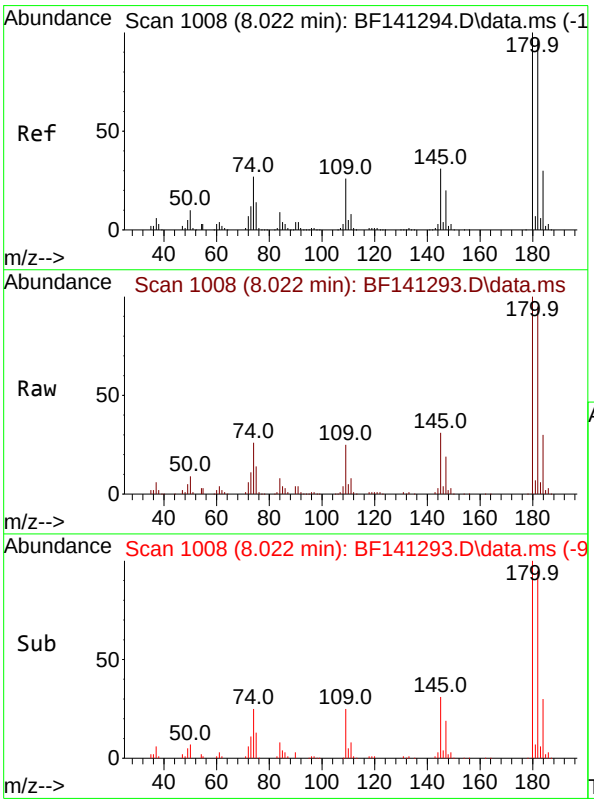
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.1	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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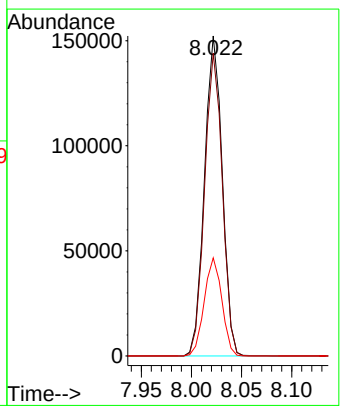
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

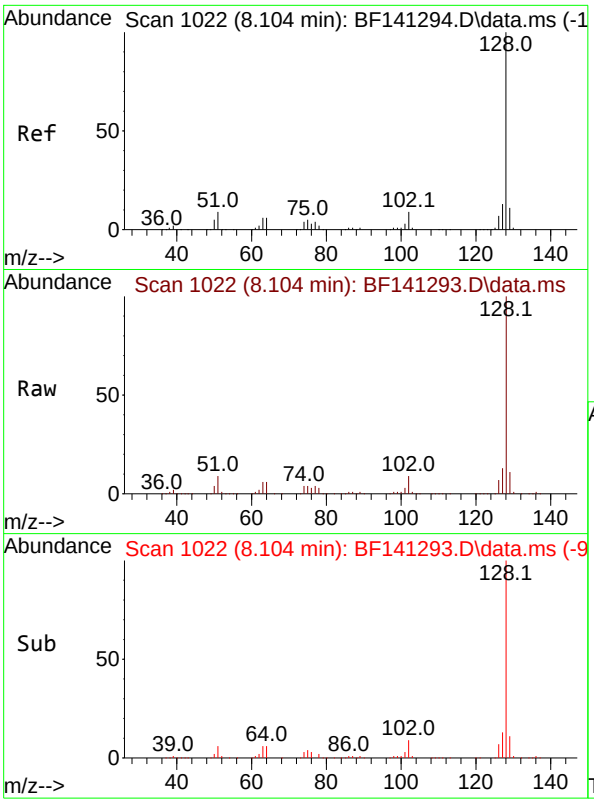


#30
1,2,4-Trichlorobenzene
Concen: 21.511 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:180 Resp: 188468

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	30.6	24.9	37.3

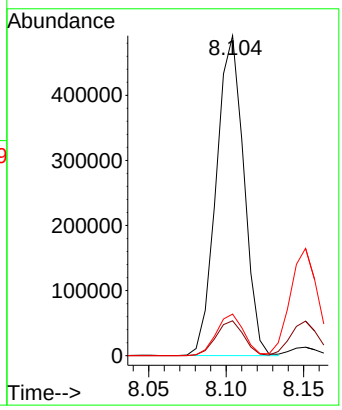




#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 60762

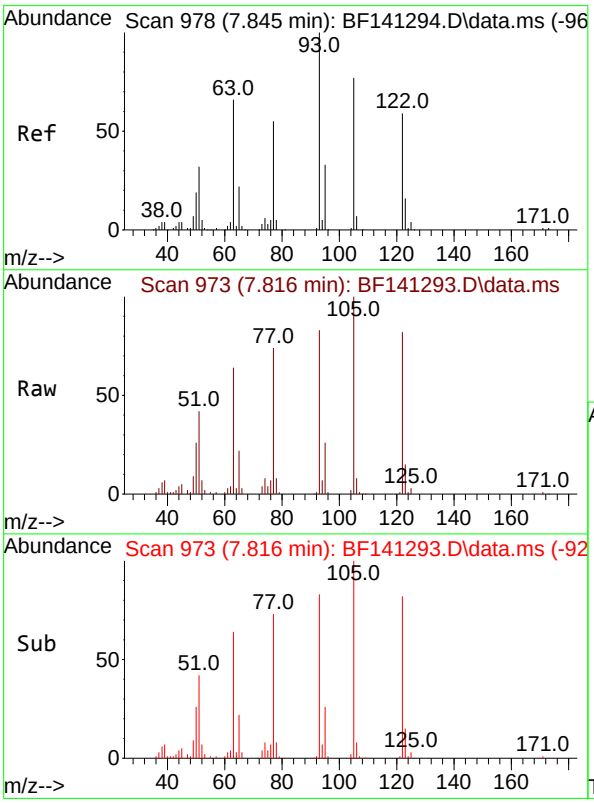
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

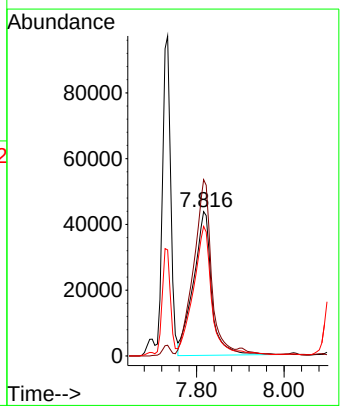
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

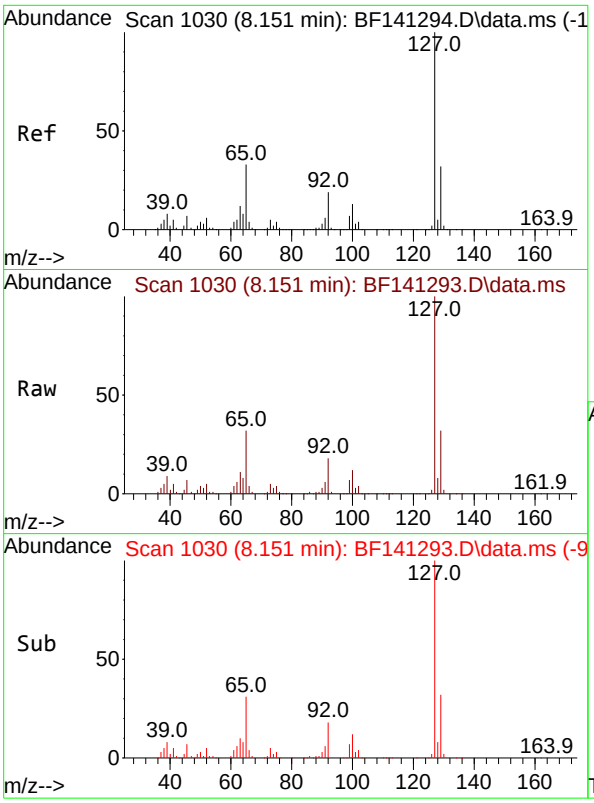


#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734

Ion	Ratio	Lower	Upper
122	100		
105	122.2	103.4	143.4
77	89.9	70.9	110.9

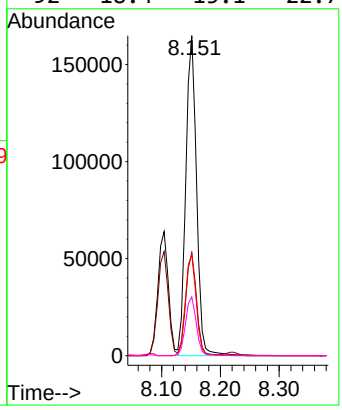




#33
4-Chloroaniline
Concen: 22.151 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:127 Resp: 20853

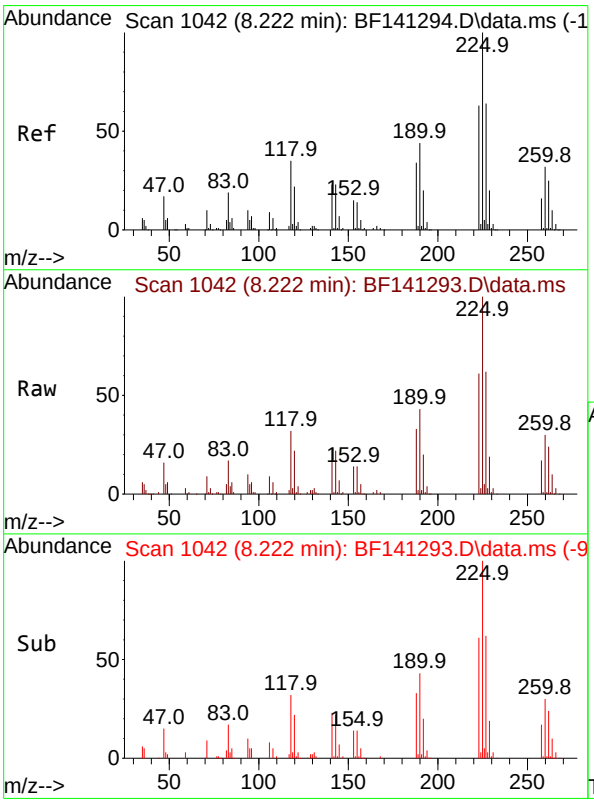
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	31.6	26.4	39.6
92	18.4	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

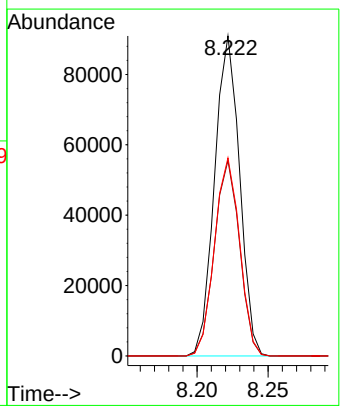
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

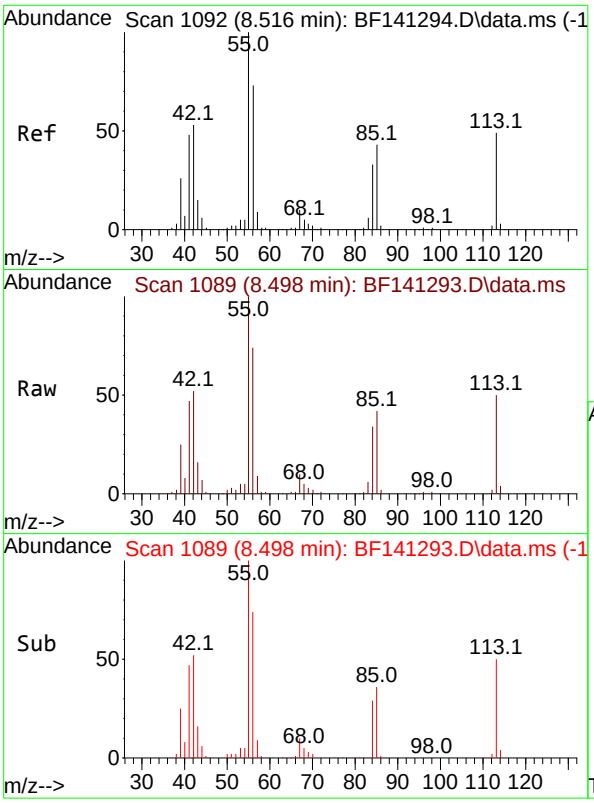


#34
Hexachlorobutadiene
Concen: 21.699 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:225 Resp: 111274

Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.4	75.6
227	61.9	51.3	76.9





#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

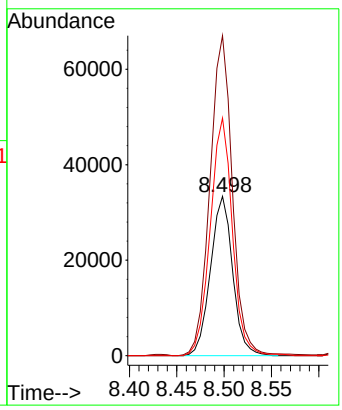
Tgt Ion:113 Resp: 5428

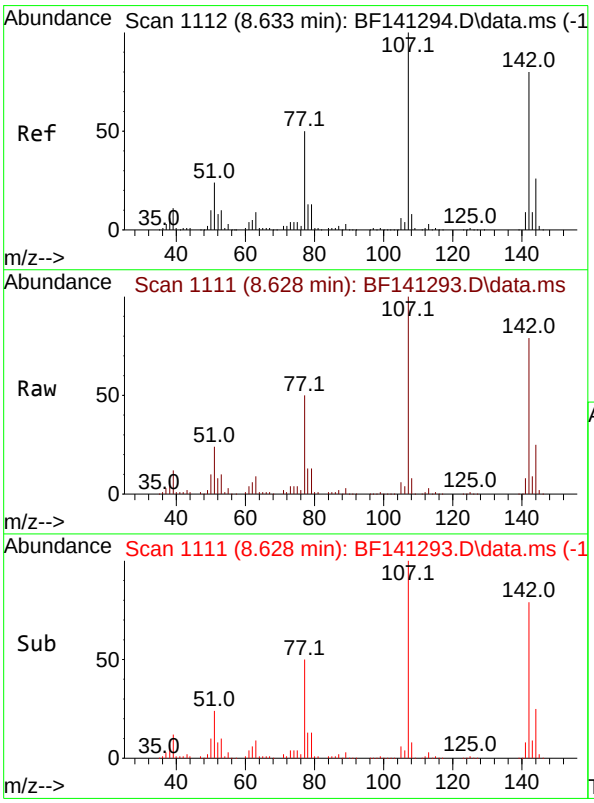
Ion	Ratio	Lower	Upper
113	100		
55	200.9	182.9	222.9
56	149.2	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

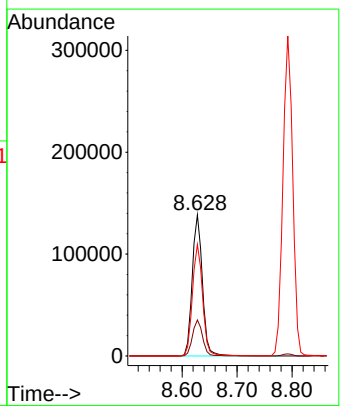


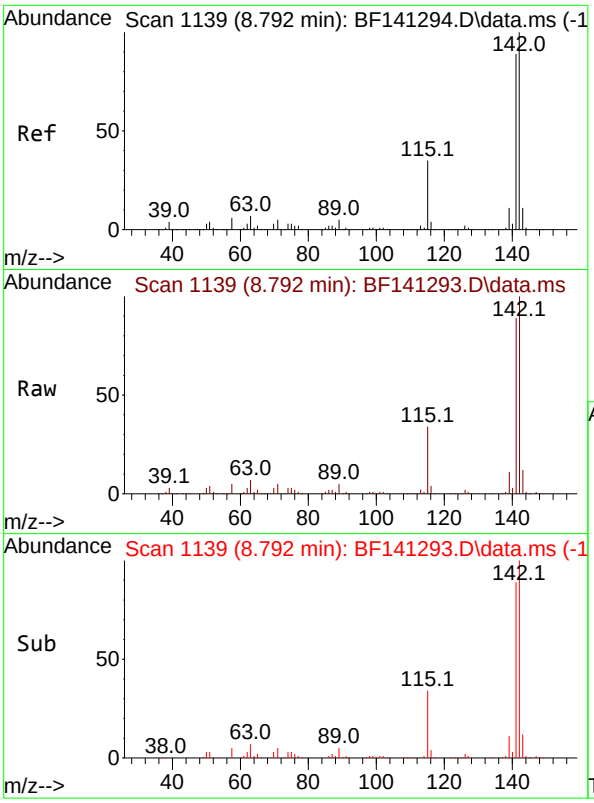


#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 177981

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	79.0	63.8	95.8





#37
2-Methylnaphthalene
Concen: 21.630 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

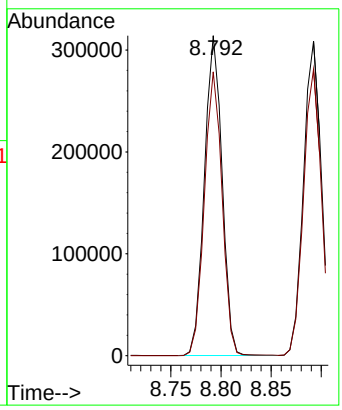
Tgt Ion:142 Resp: 38603

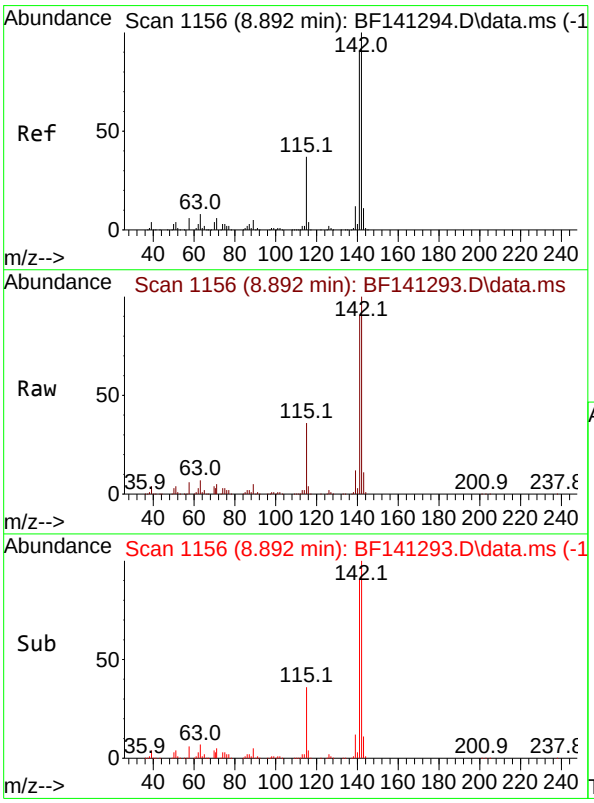
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

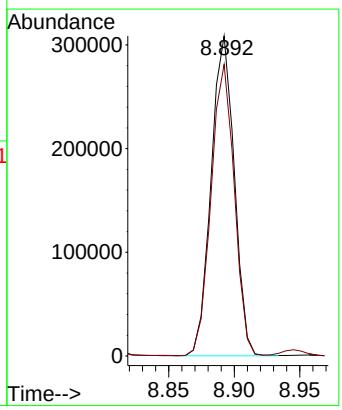


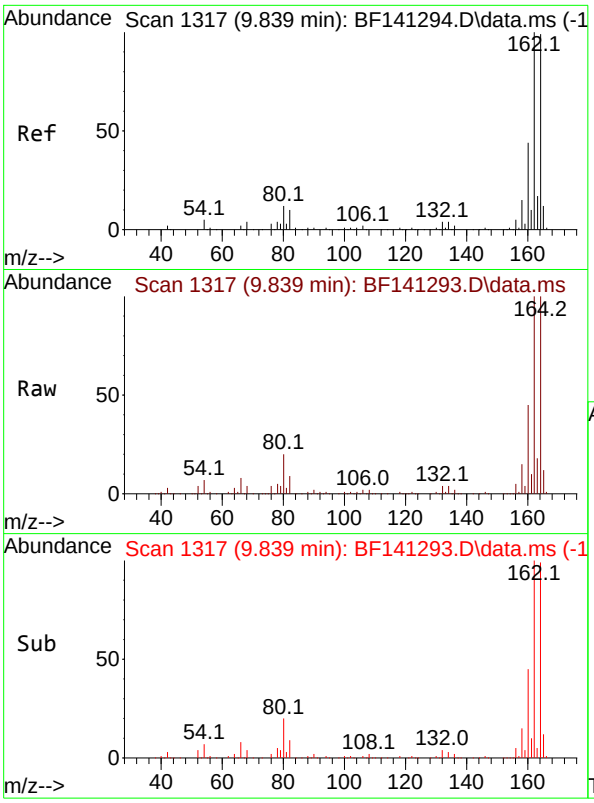


#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 378878

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

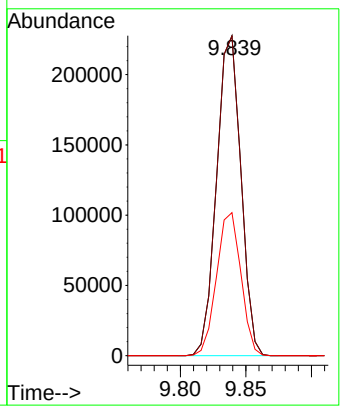
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

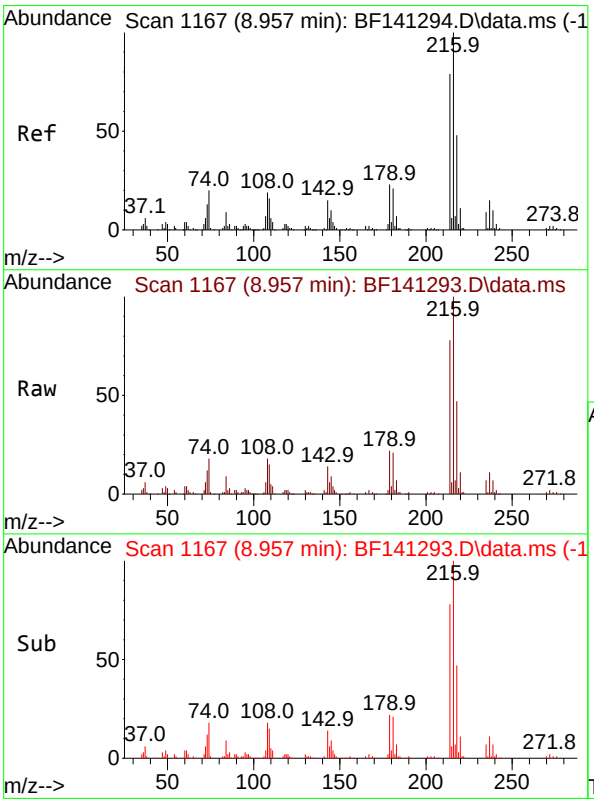
Tgt Ion:164 Resp: 29308

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	44.7	35.8	53.6

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

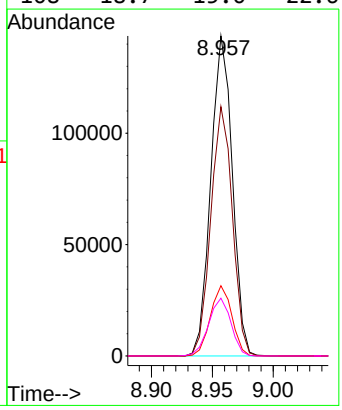


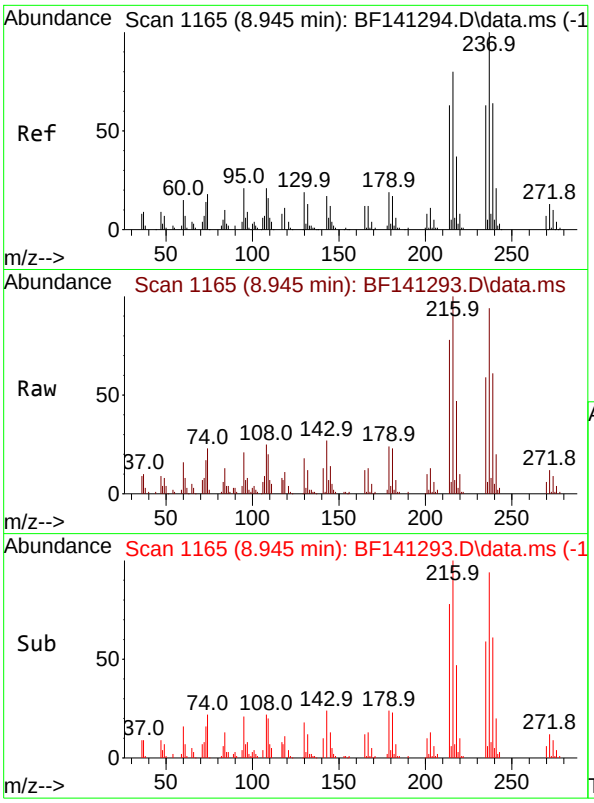


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.209 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	21.9	17.8	26.8
108	18.7	15.0	22.6

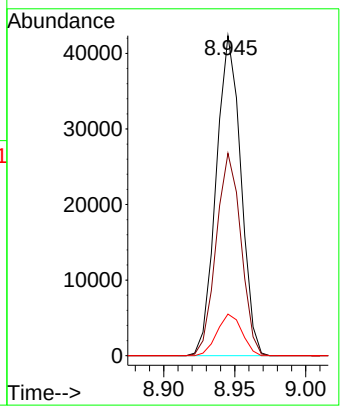




#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:237 Resp: 5111

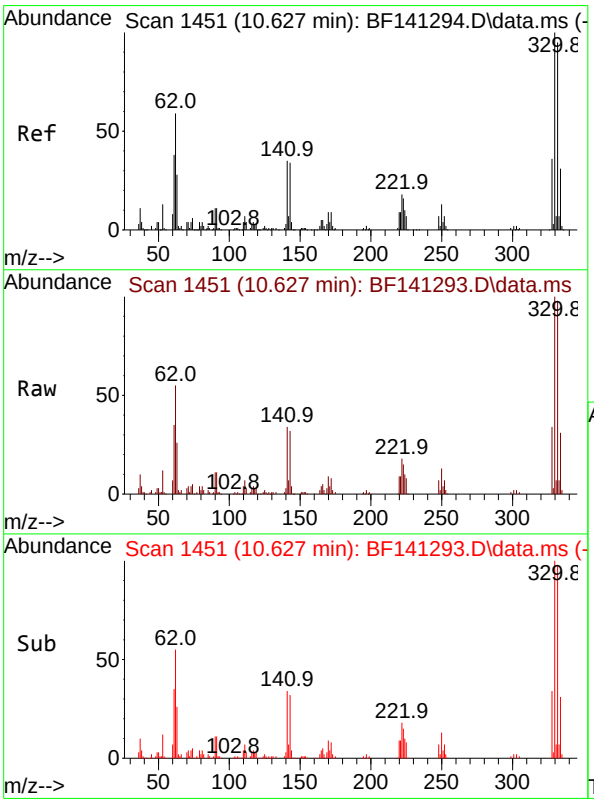
Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.9	82.9
272	13.0	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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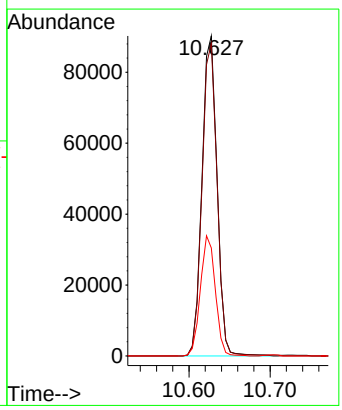
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

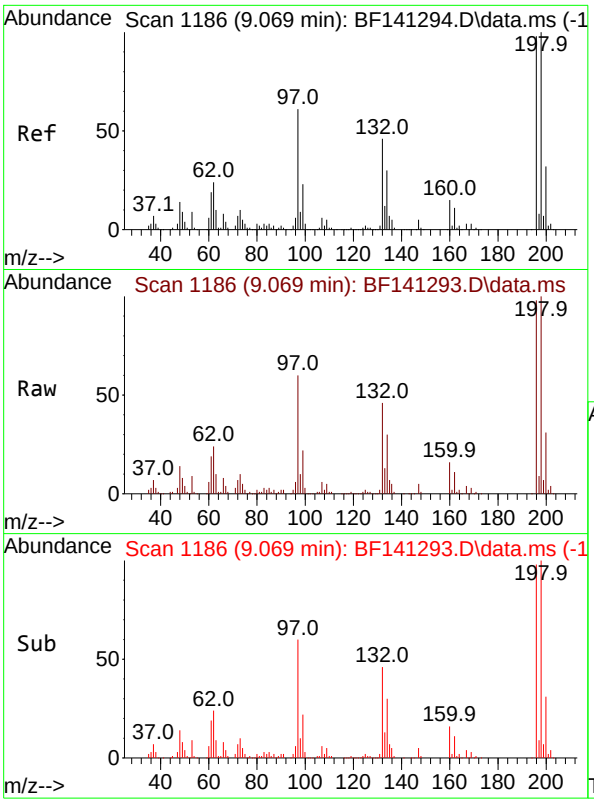


#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
141	37.2	28.8	43.2

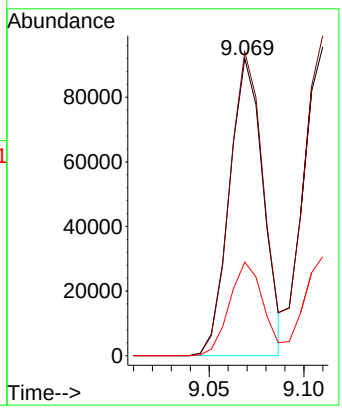




#43
2,4,6-Trichlorophenol
Concen: 21.029 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 11439

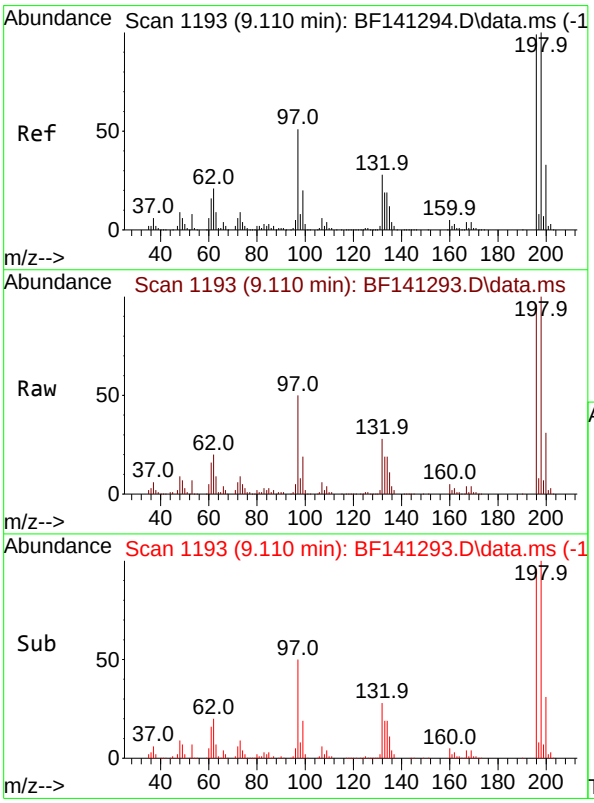
Ion	Ratio	Lower	Upper
196	100		
198	102.3	81.8	122.6
200	31.5	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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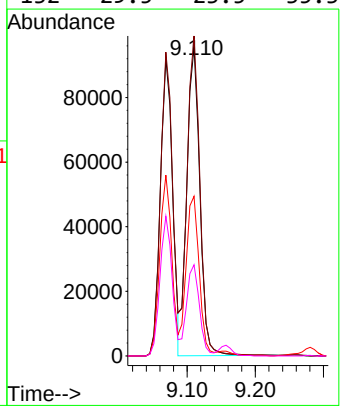
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

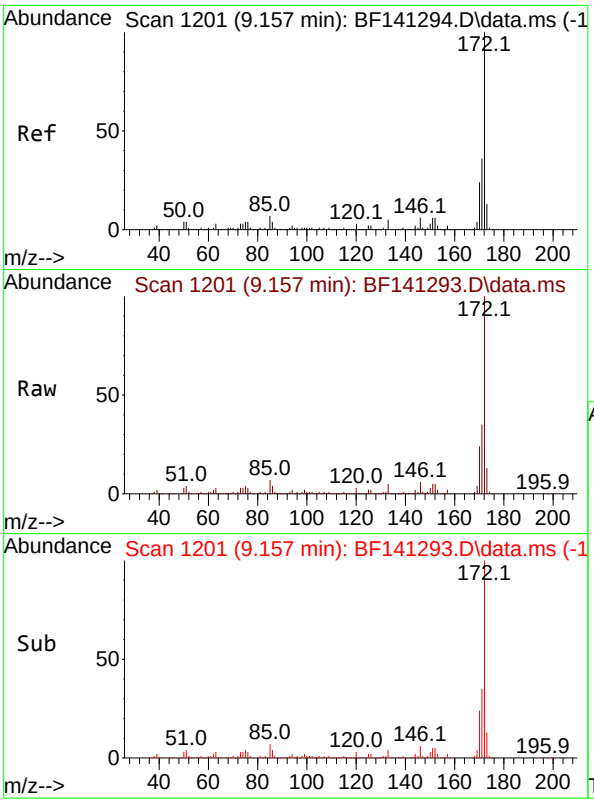


#44
2,4,5-Trichlorophenol
Concen: 21.245 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 125725

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
97	51.8	42.8	64.2
132	29.5	23.5	35.3





#45
2-Fluorobiphenyl
Concen: 43.127 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

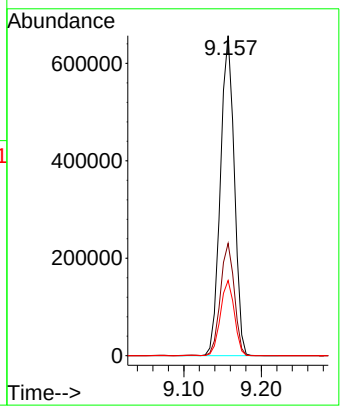
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

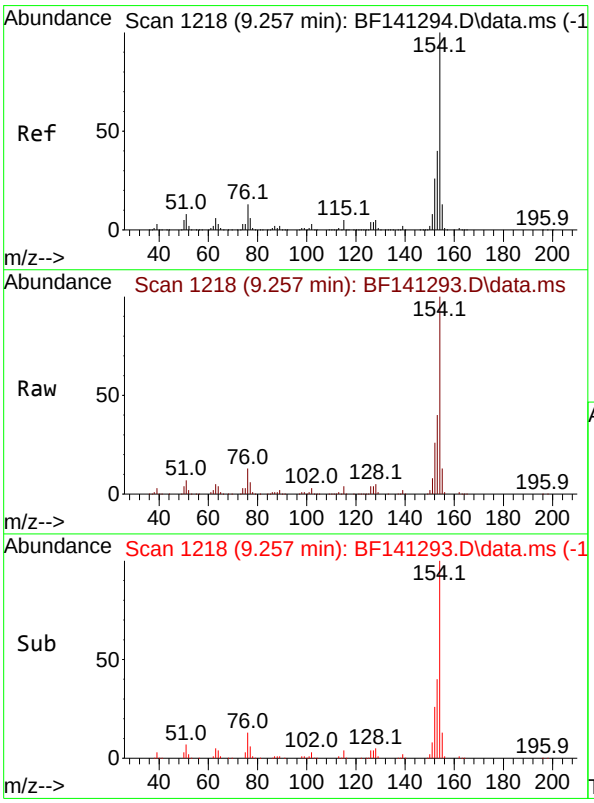
Tgt Ion:172 Resp: 81937

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.5	19.0	28.6

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

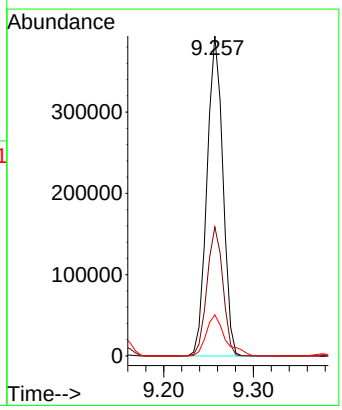


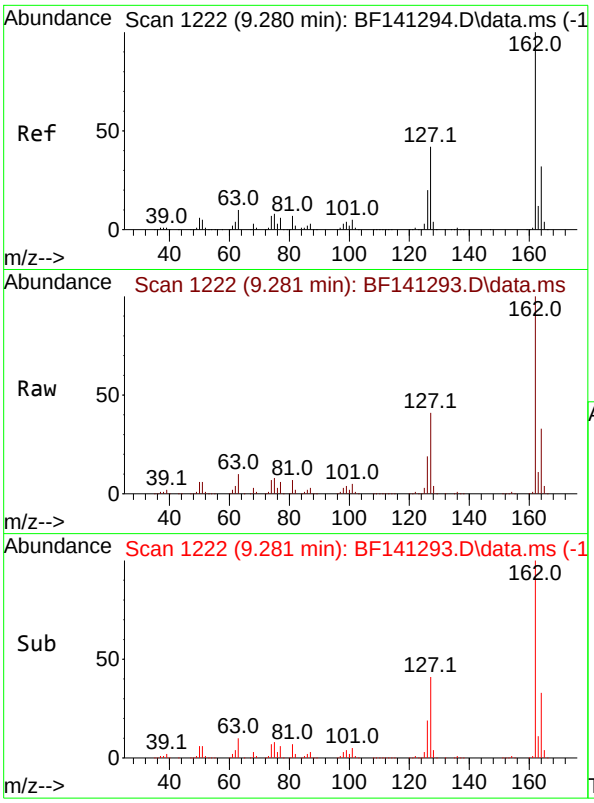


#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 483479

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.0	60.0
76	12.8	0.0	32.8

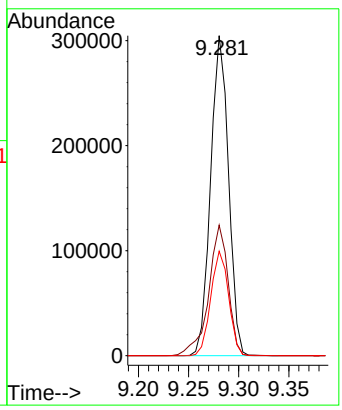




#47
2-Chloronaphthalene
Concen: 21.282 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 37794

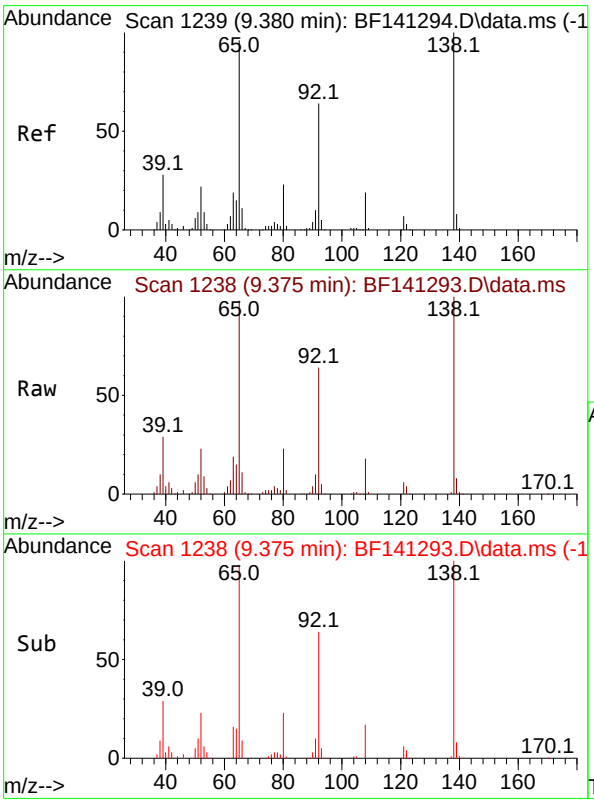
Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.7	50.5
164	32.7	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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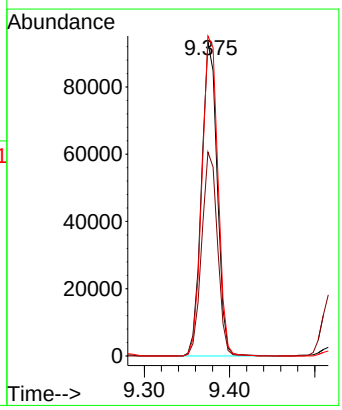
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

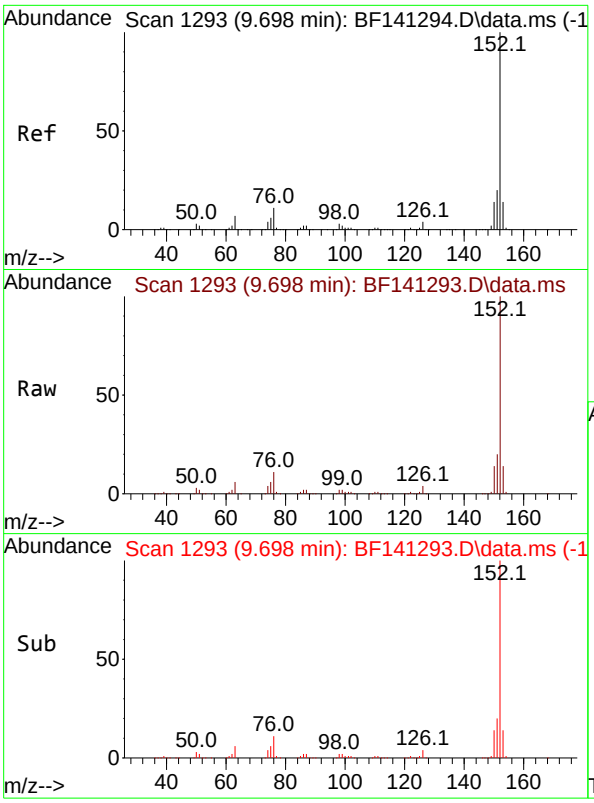


#48
2-Nitroaniline
Concen: 21.310 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 65 Resp: 119359

Ion	Ratio	Lower	Upper
65	100		
92	64.9	53.3	79.9
138	102.0	83.6	125.4

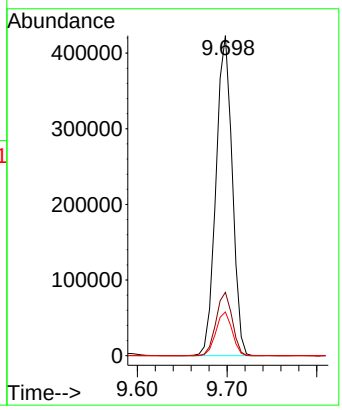




#49
Acenaphthylene
Concen: 21.328 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 53195

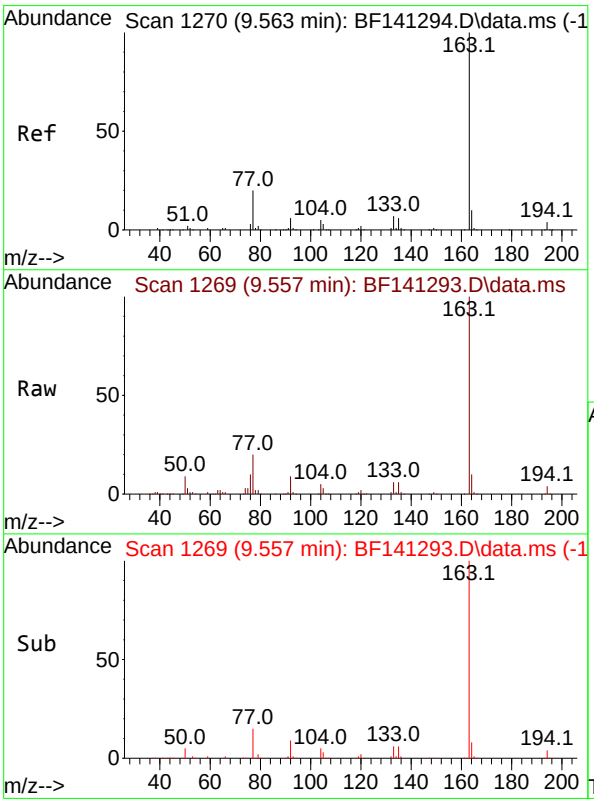
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.7	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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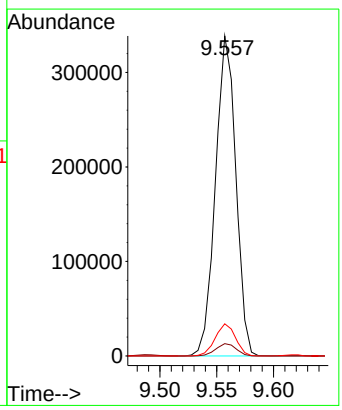
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

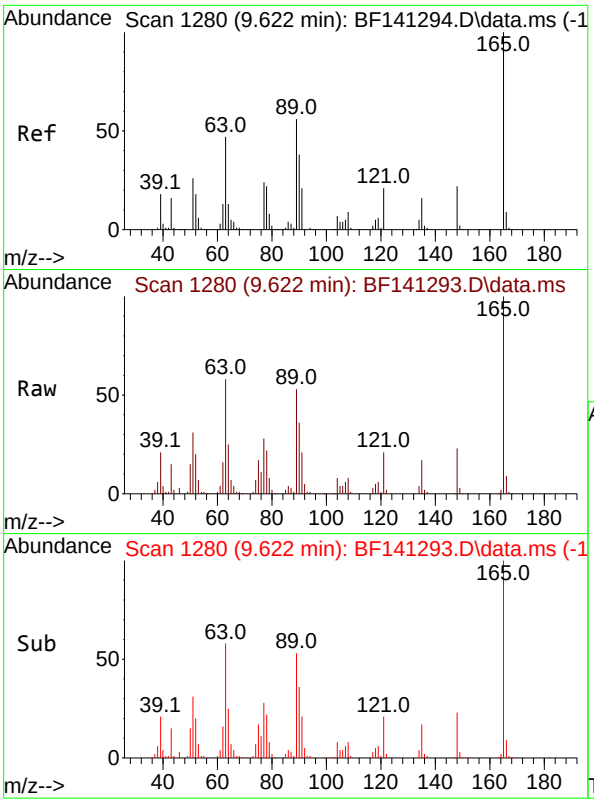


#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:163 Resp: 423377

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0

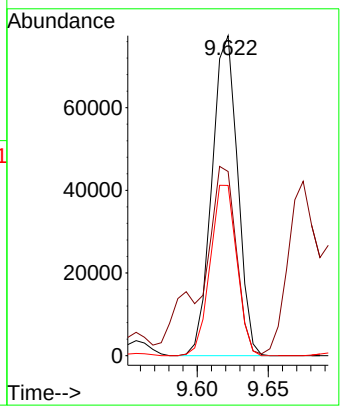




#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 9762

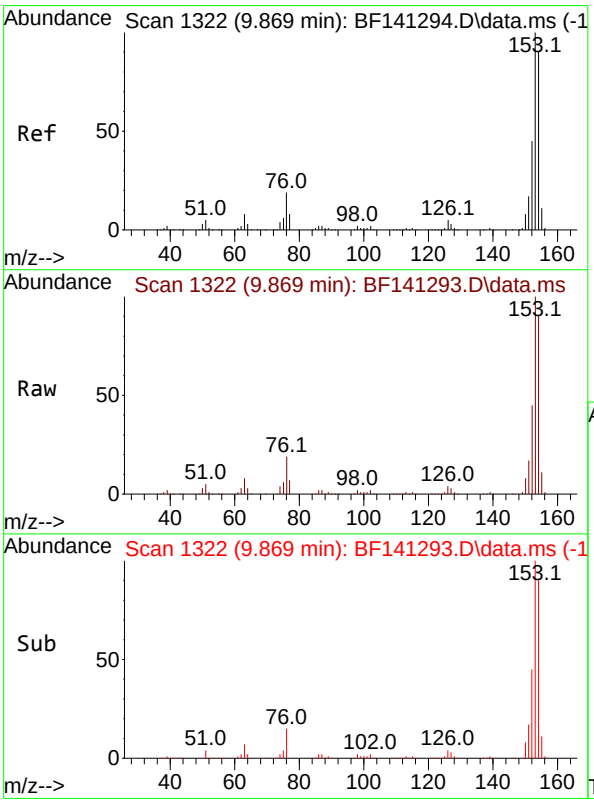
Ion	Ratio	Lower	Upper
165	100		
63	57.6	48.1	72.1
89	53.2	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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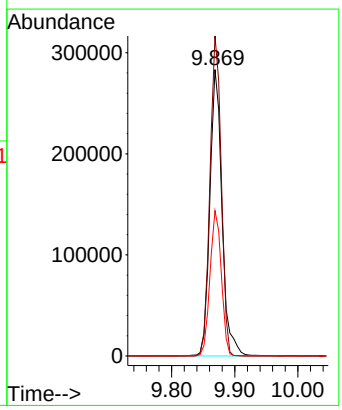
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

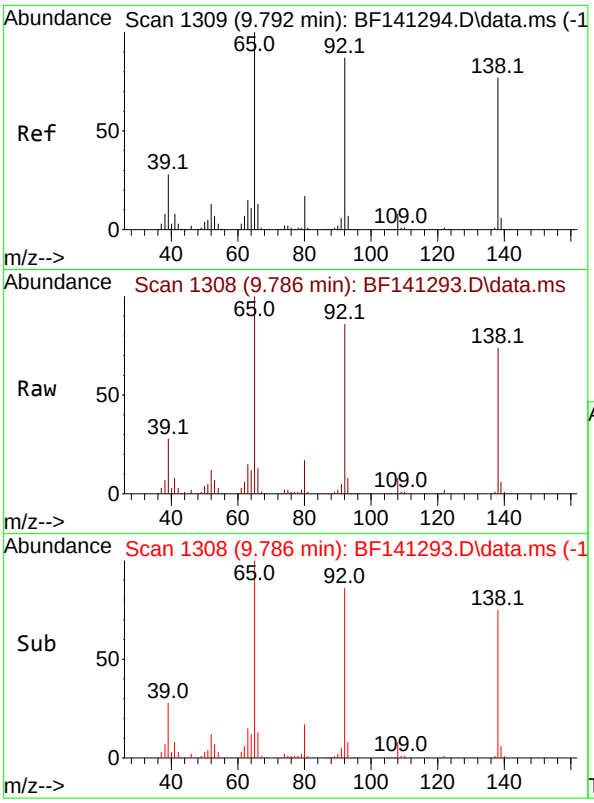


#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 378511

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.0	133.4
152	50.7	40.2	60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

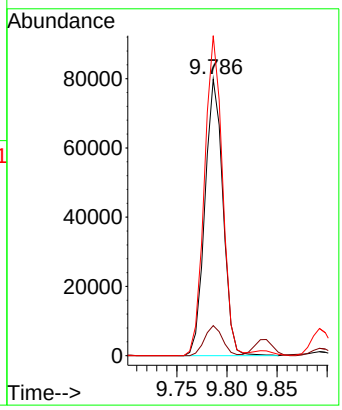
Tgt Ion:138 Resp: 10008

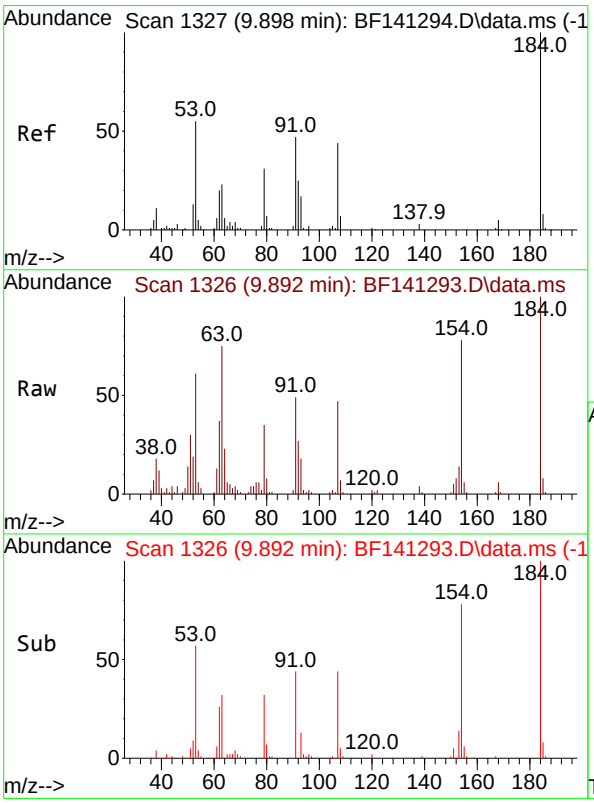
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	115.8	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

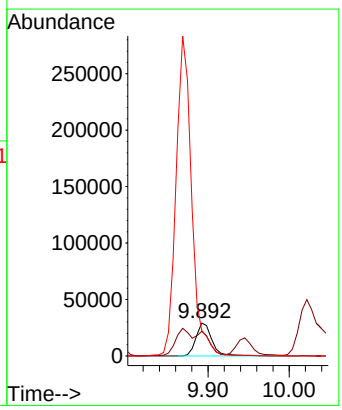


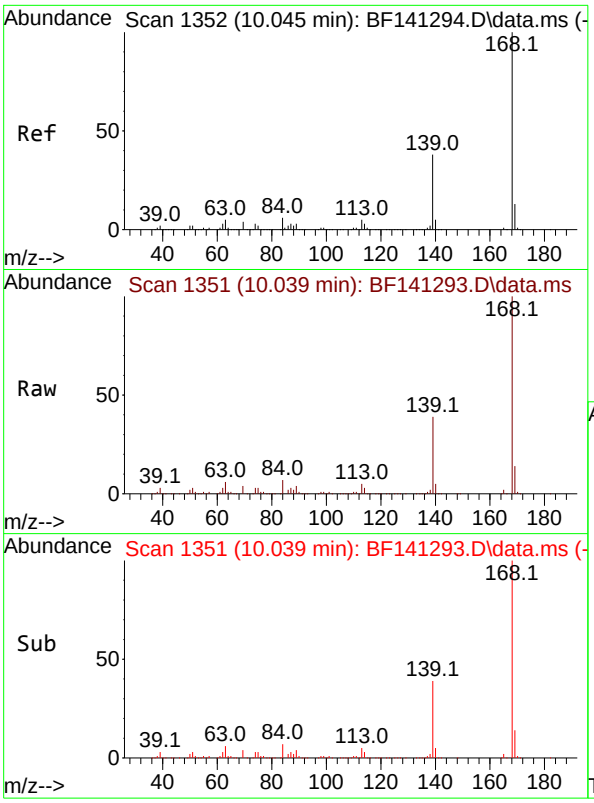


#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003

Ion	Ratio	Lower	Upper
184	100		
63	75.1	54.1	81.1
154	78.0	50.7	76.1#

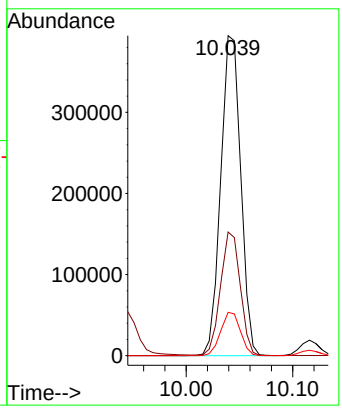




#55
Dibenzofuran
Concen: 21.665 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:168 Resp: 51422

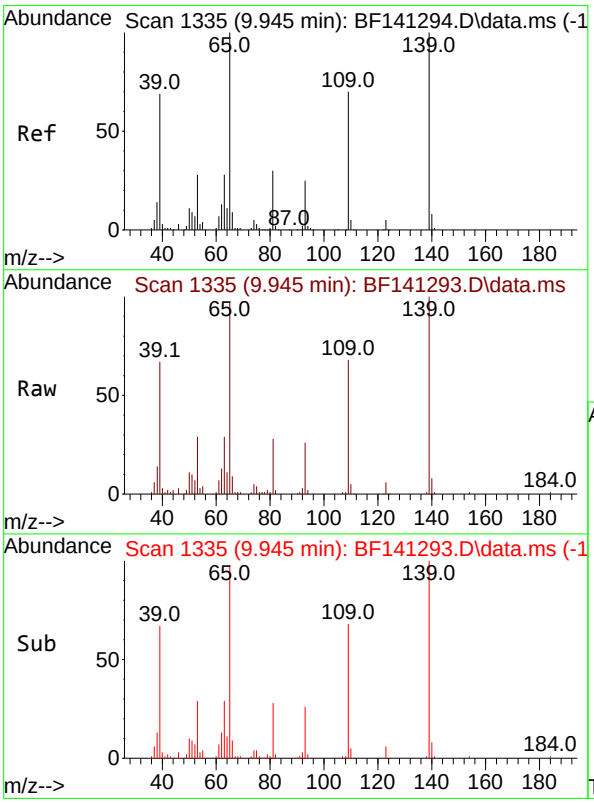
Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.6	46.0
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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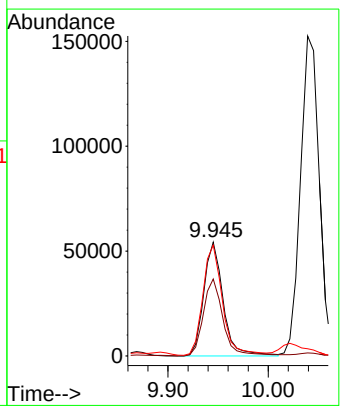
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

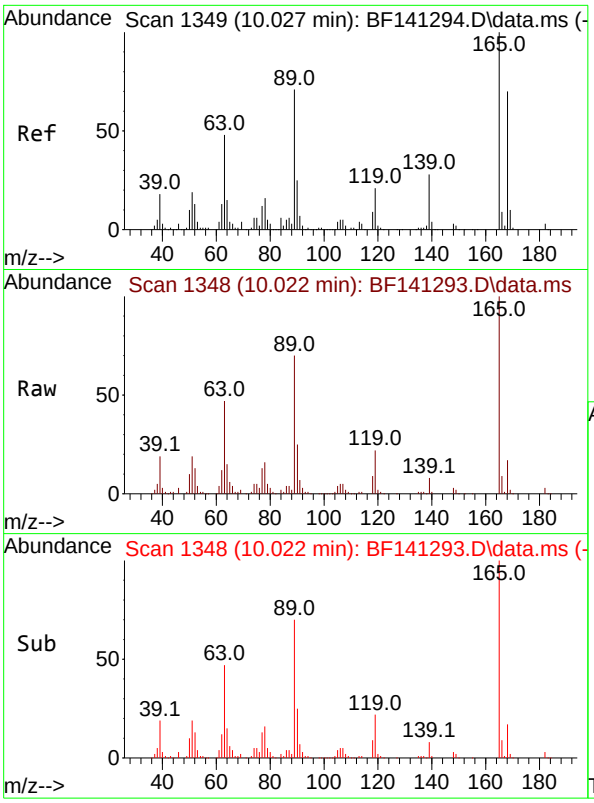


#56
4-Nitrophenol
Concen: 22.607 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 73425

Ion	Ratio	Lower	Upper
139	100		
109	67.7	50.2	90.2
65	97.5	80.6	120.6

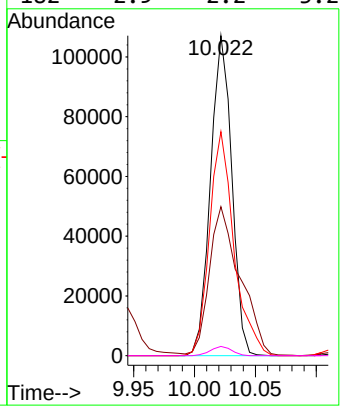




#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 12994

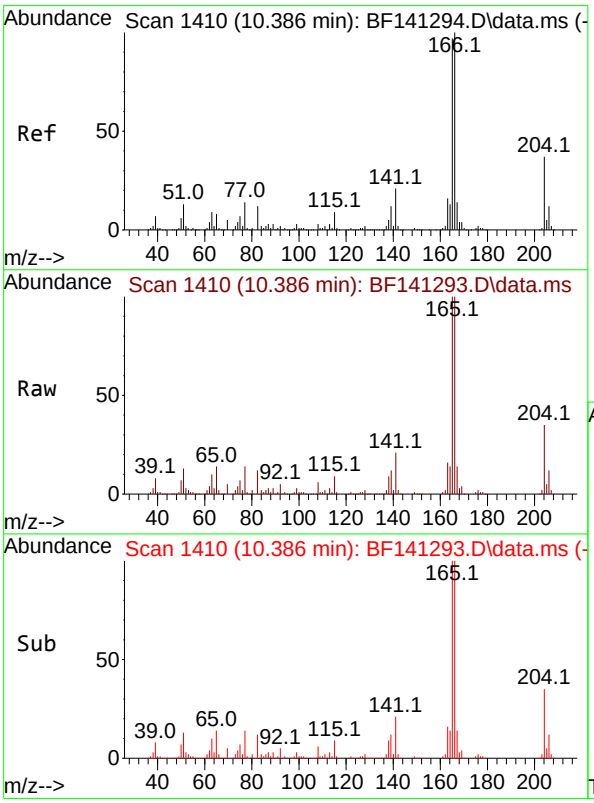
Ion	Ratio	Lower	Upper
165	100		
63	46.6	39.2	58.8
89	70.0	56.9	85.3
182	2.9	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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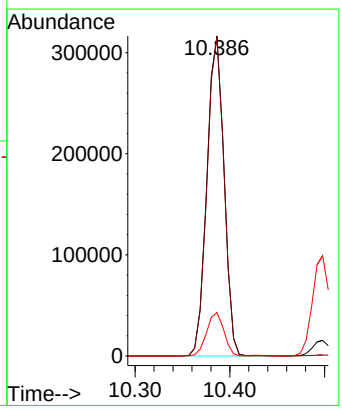
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

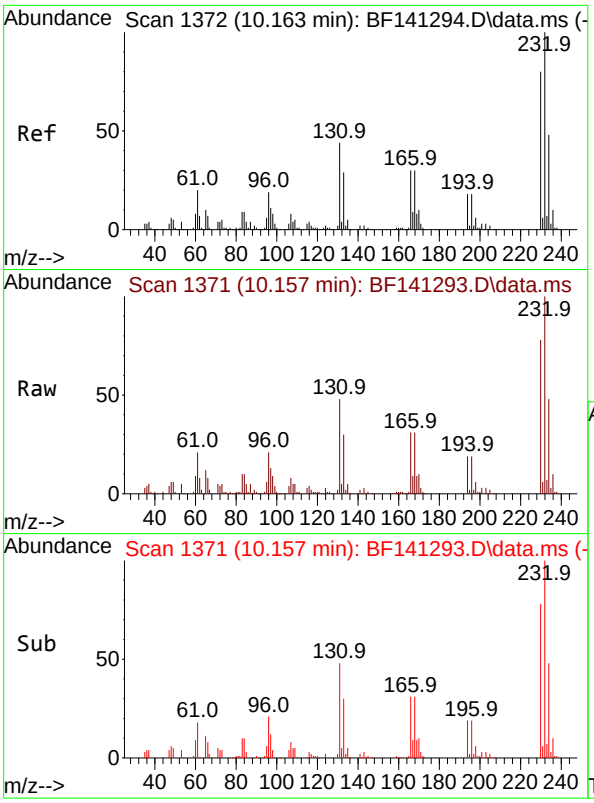


#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:166 Resp: 396520

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.5	116.3
167	13.6	10.9	16.3

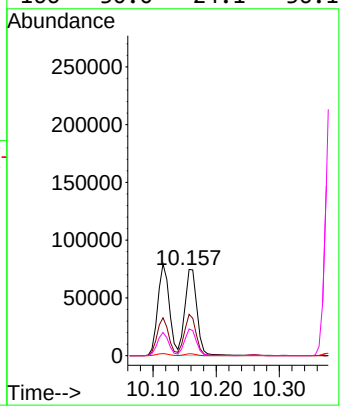




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:232 Resp: 9984

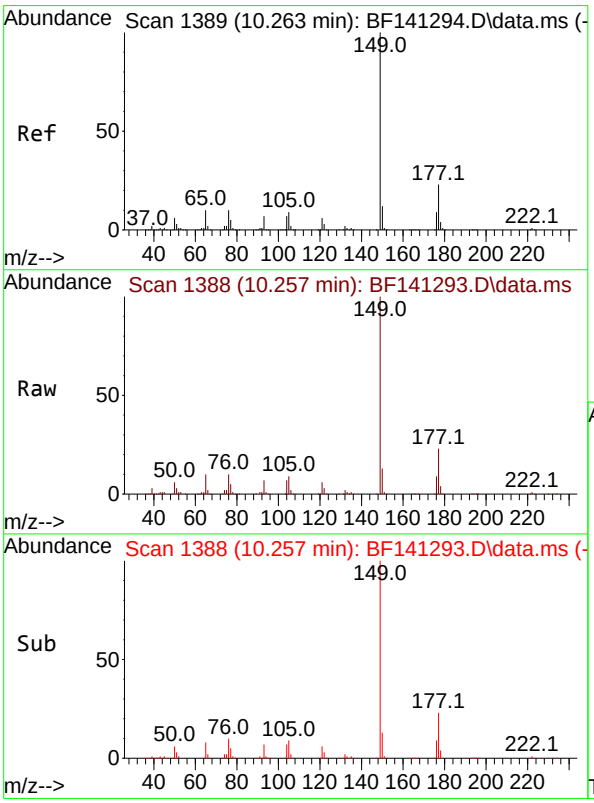
Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.4	54.6
130	2.0	1.9	2.9
166	30.0	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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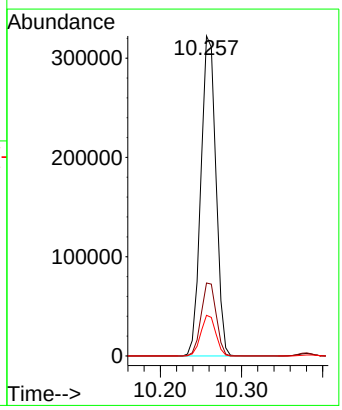
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

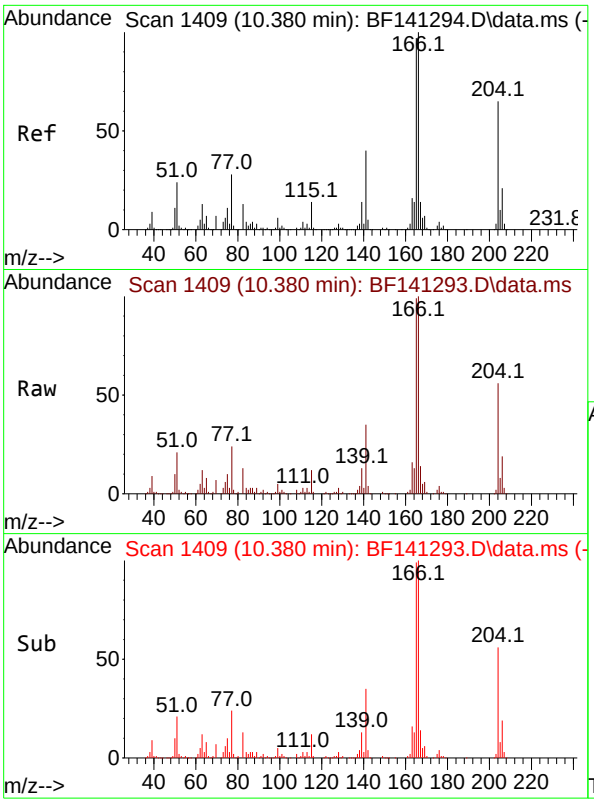


#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 413889

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

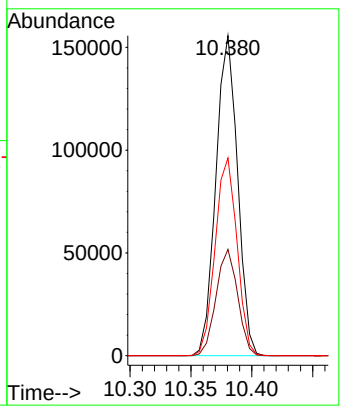
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

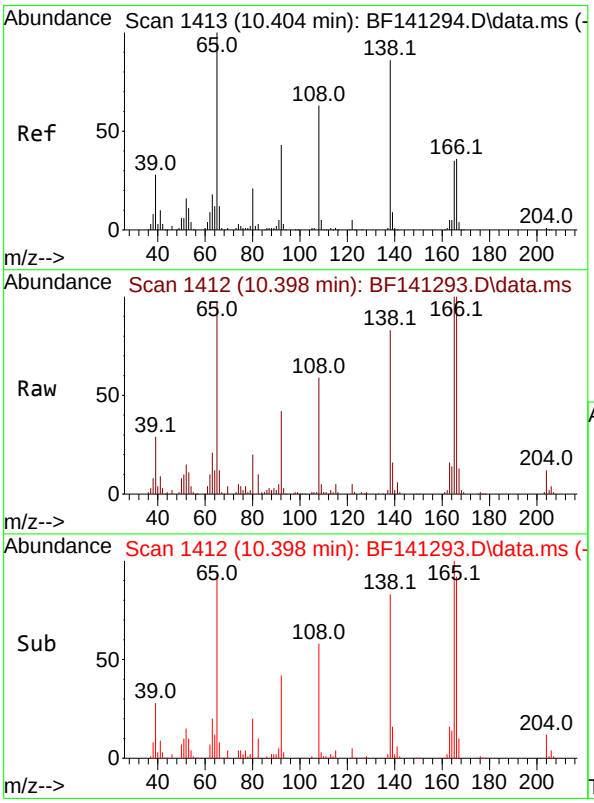
Tgt Ion:204 Resp: 19313

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.9	38.9
141	61.8	49.5	74.3

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

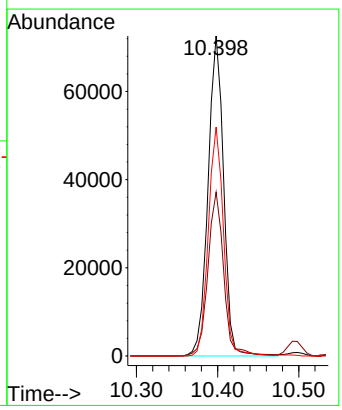


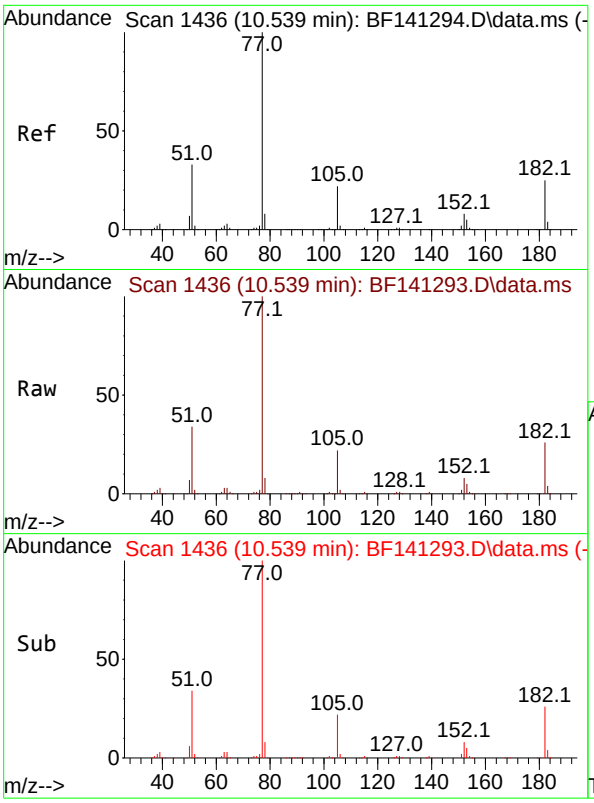


#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:138 Resp: 96692

Ion	Ratio	Lower	Upper
138	100		
92	51.2	30.1	70.1
108	71.5	53.1	93.1





#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

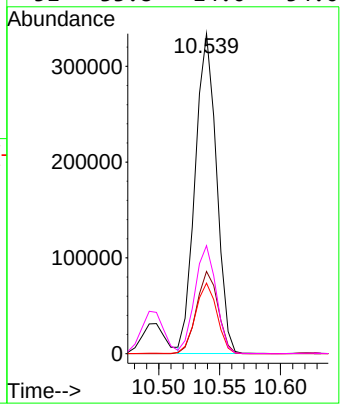
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

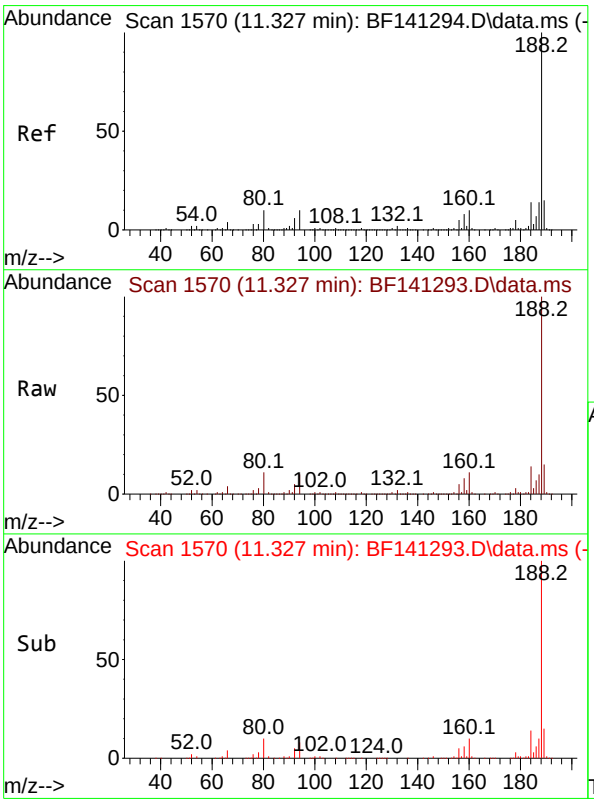
Tgt Ion: 77 Resp: 40749

Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.1	45.1
105	22.1	1.8	41.8
51	33.8	14.0	54.0

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

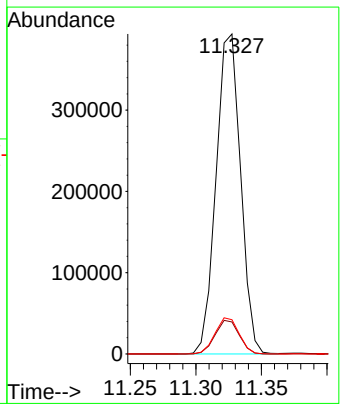


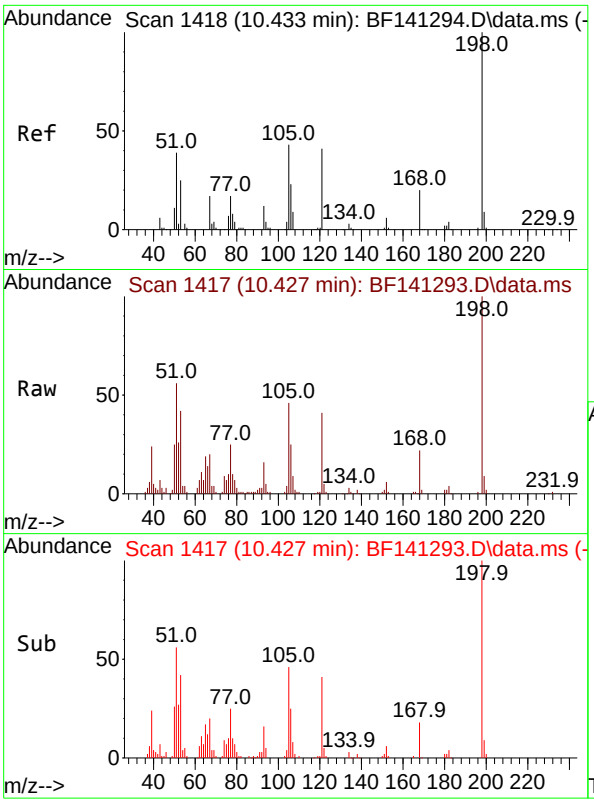


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:188 Resp: 511320

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.7	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

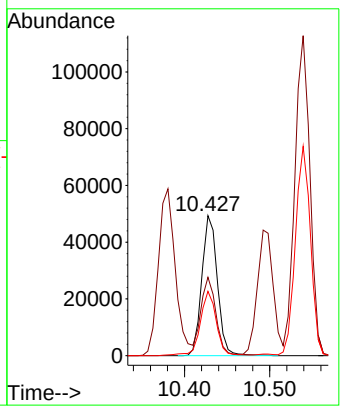
Tgt Ion:198 Resp: 6257

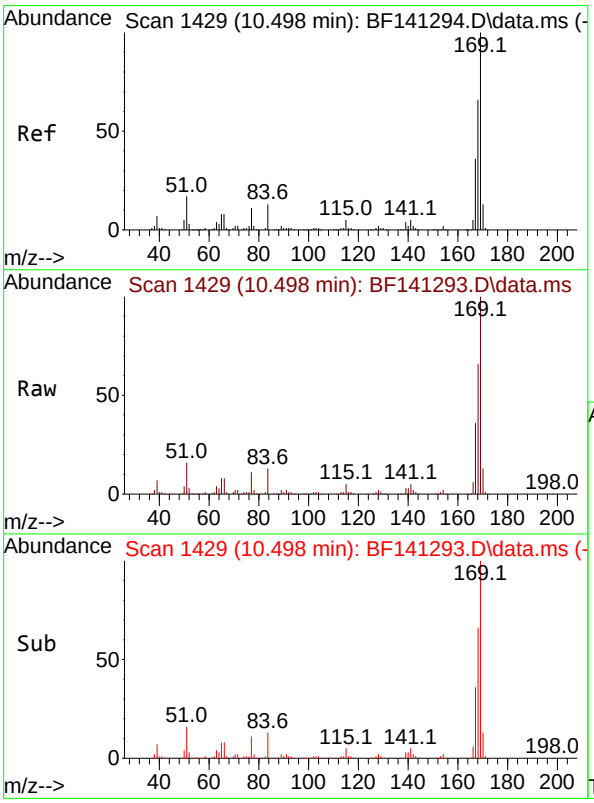
Ion	Ratio	Lower	Upper
198	100		
51	56.0	33.4	73.4
105	45.9	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

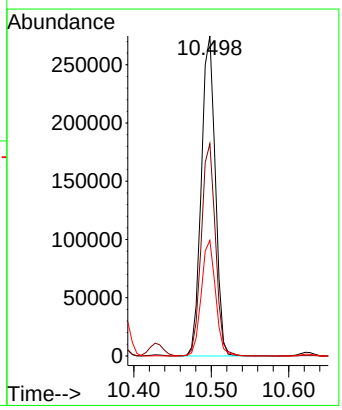


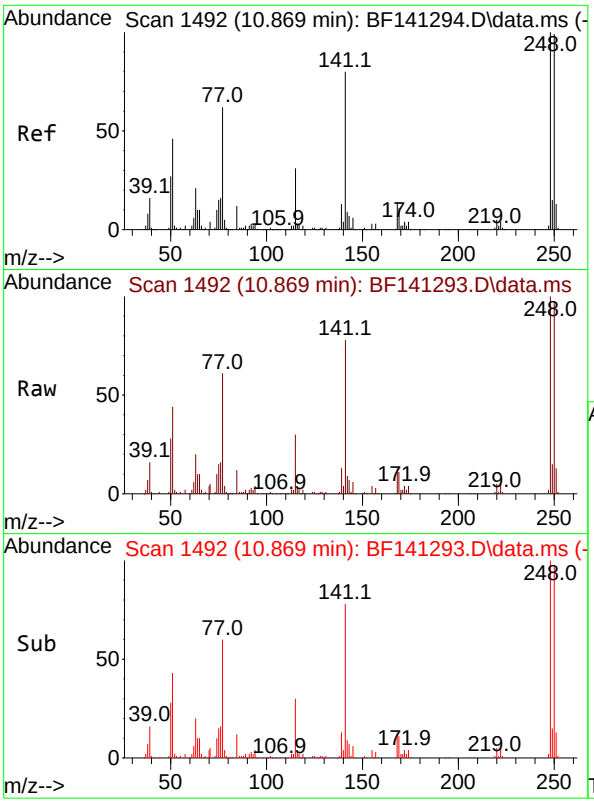


#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:169 Resp: 344387

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.4
167	36.1	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

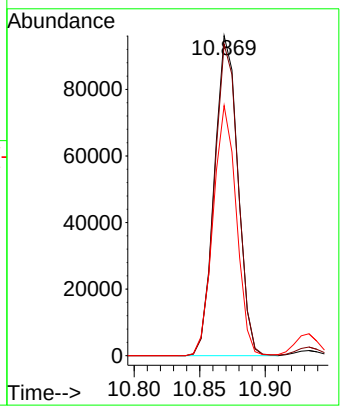
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

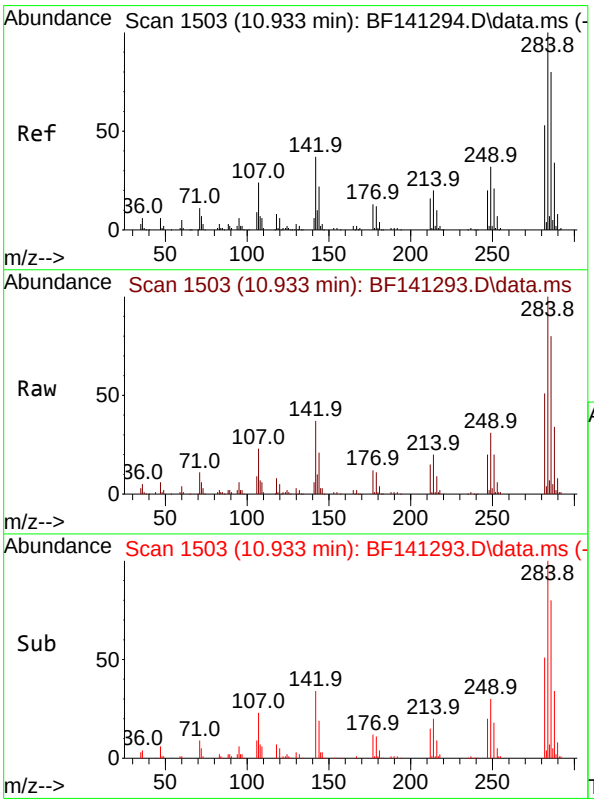
Tgt Ion:248 Resp: 11984

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.0	118.4
141	78.1	63.7	95.5

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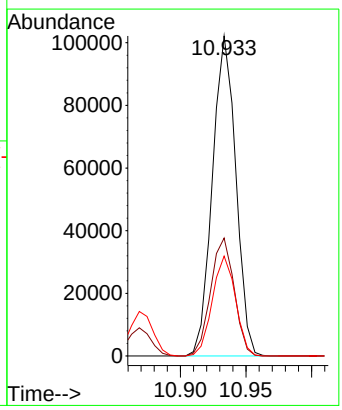


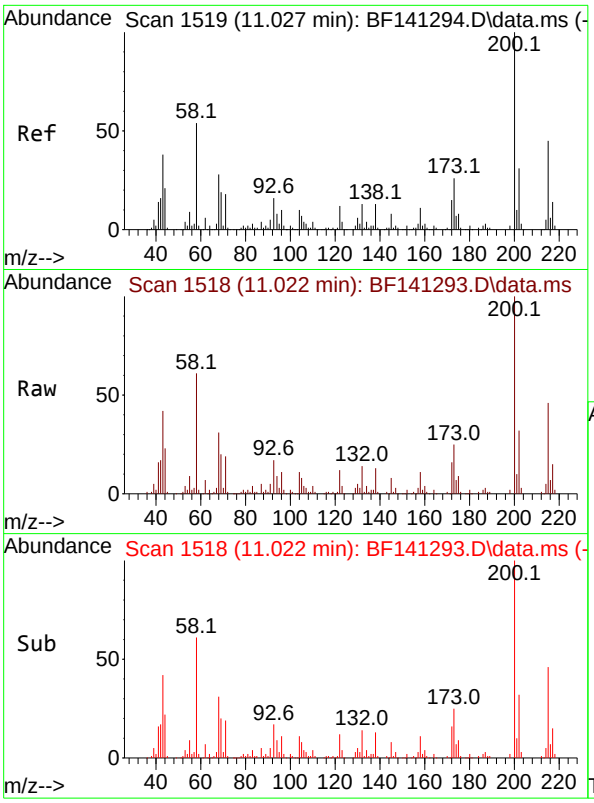


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:284 Resp: 126823

Ion	Ratio	Lower	Upper
284	100		
142	36.8	29.5	44.3
249	31.2	25.4	38.2

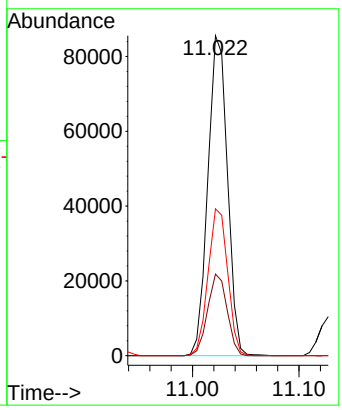




#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:200 Resp: 10913

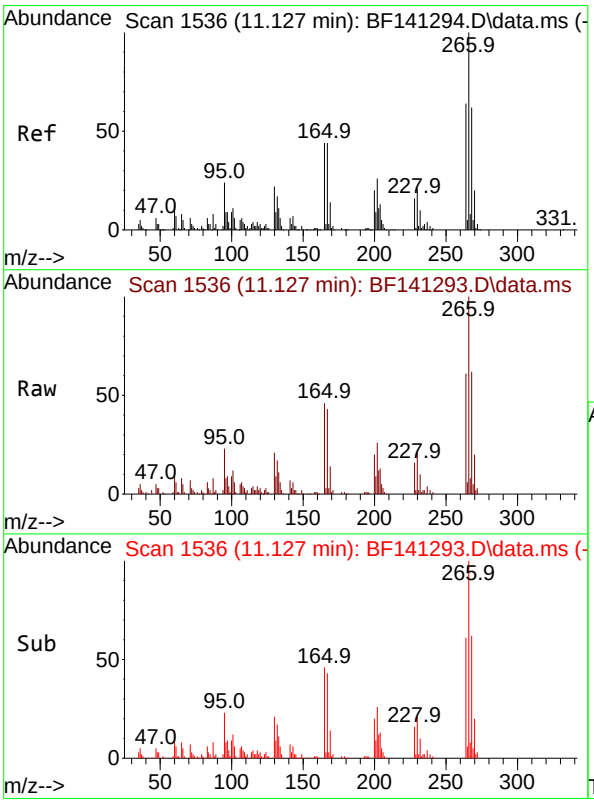
Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.9	45.9
215	45.9	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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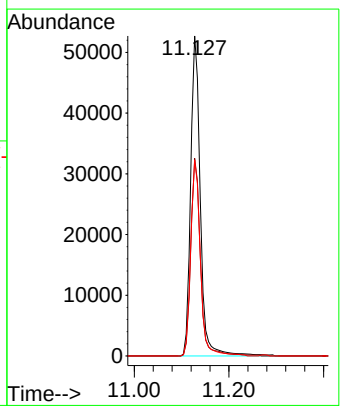
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

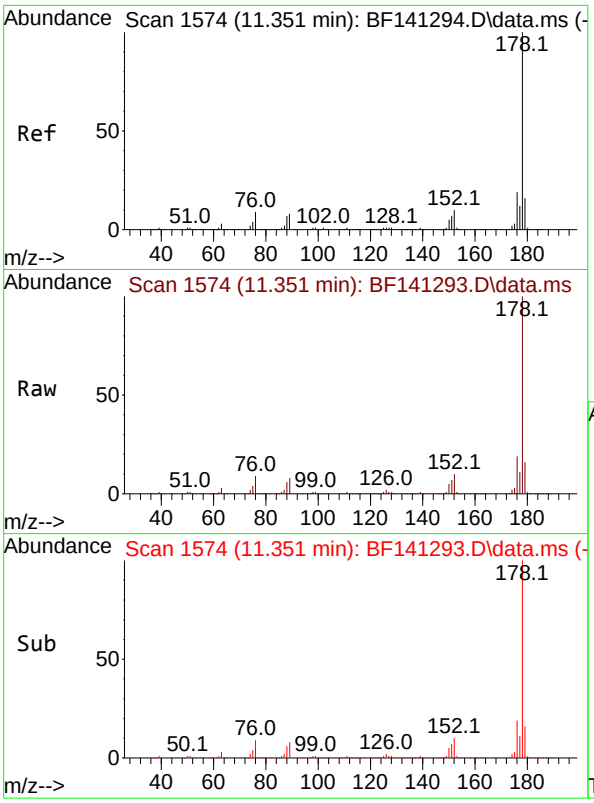


#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:266 Resp: 74508

Ion	Ratio	Lower	Upper
266	100		
268	61.8	49.9	74.9
264	61.2	51.0	76.4

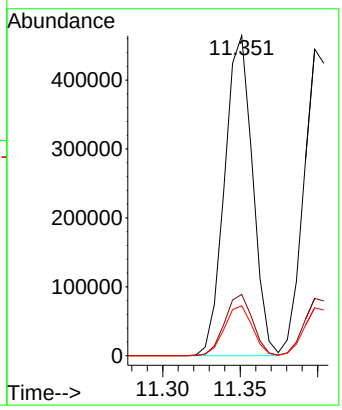




#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 58402

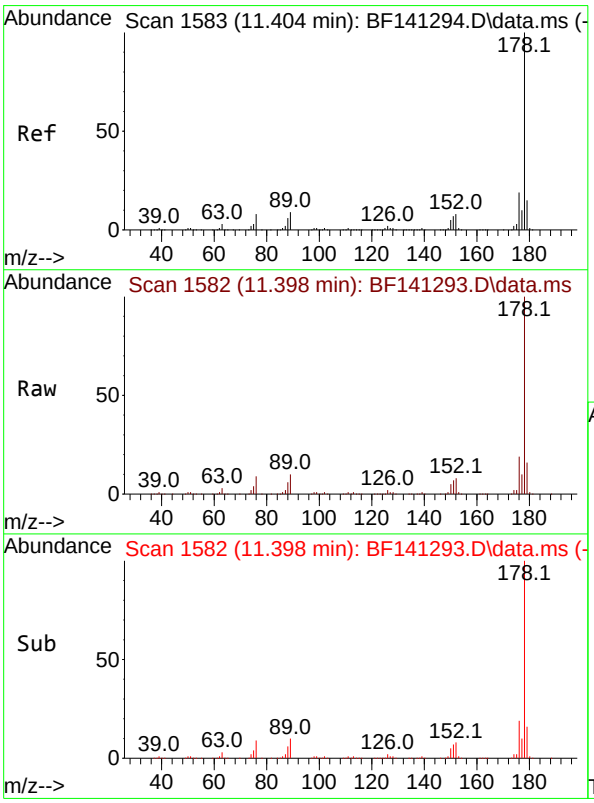
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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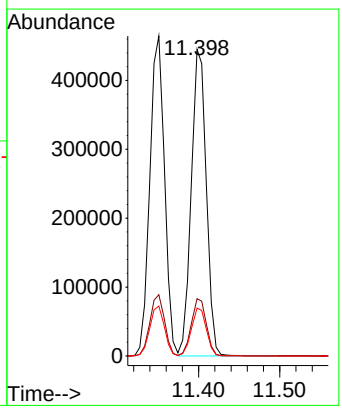
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

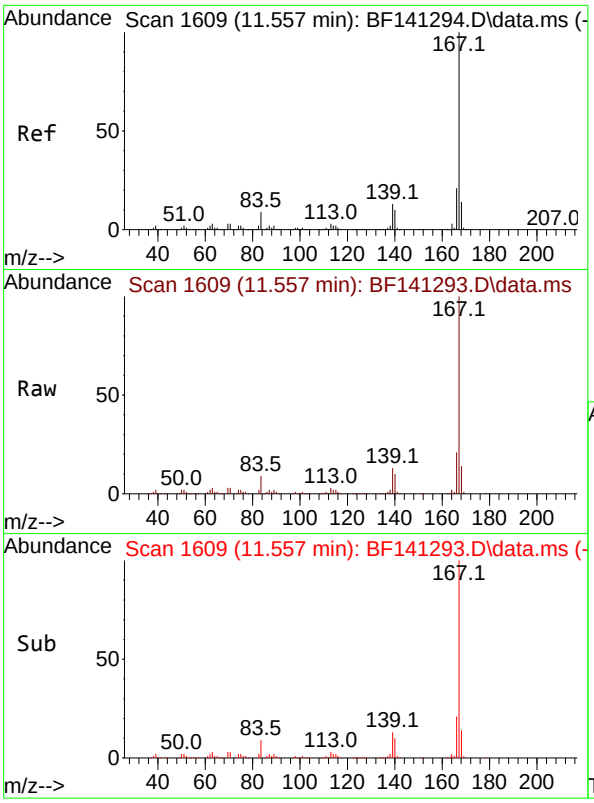


#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 572743

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

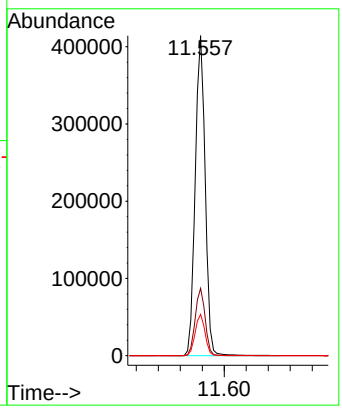




#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:167 Resp: 52210

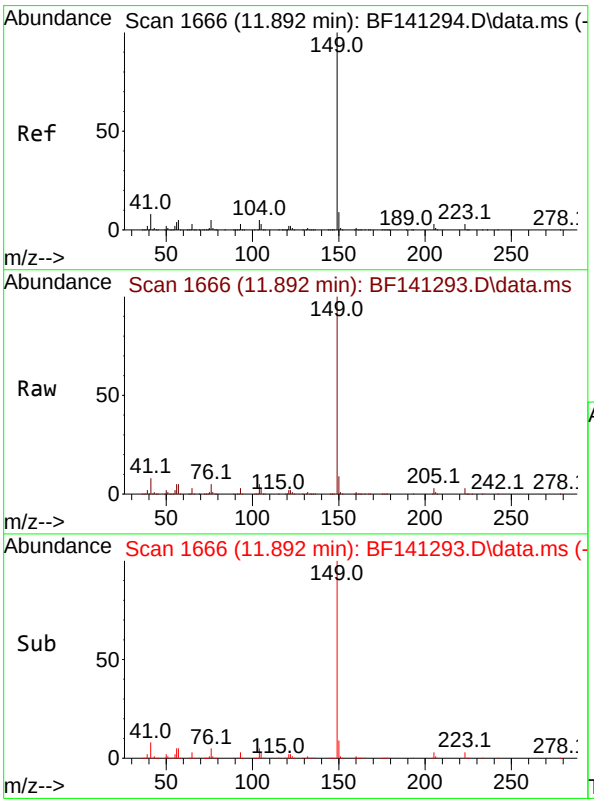
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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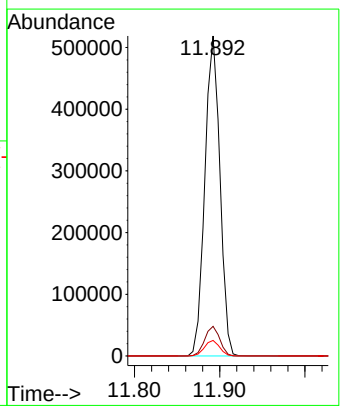
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

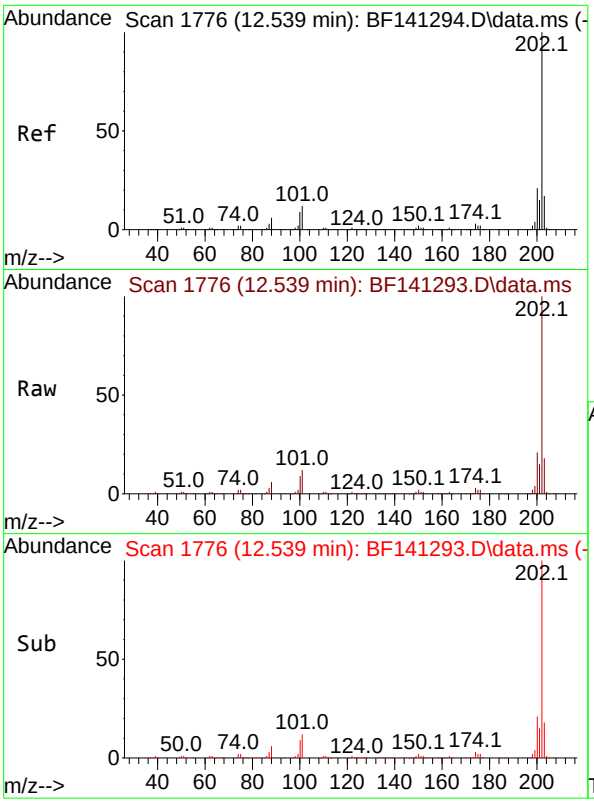


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 636521

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.8	3.9	5.9

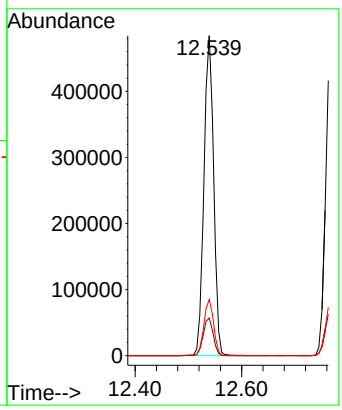




#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 61149

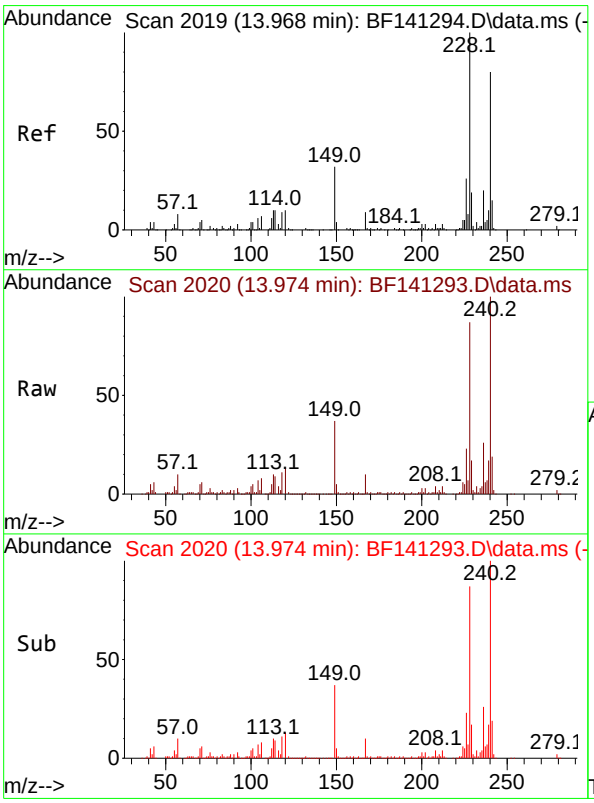
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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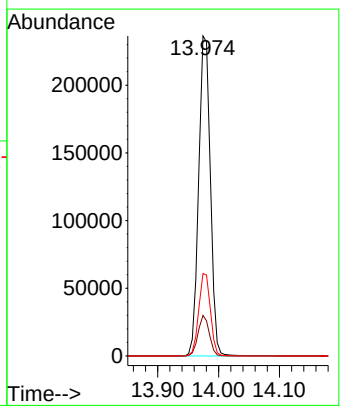
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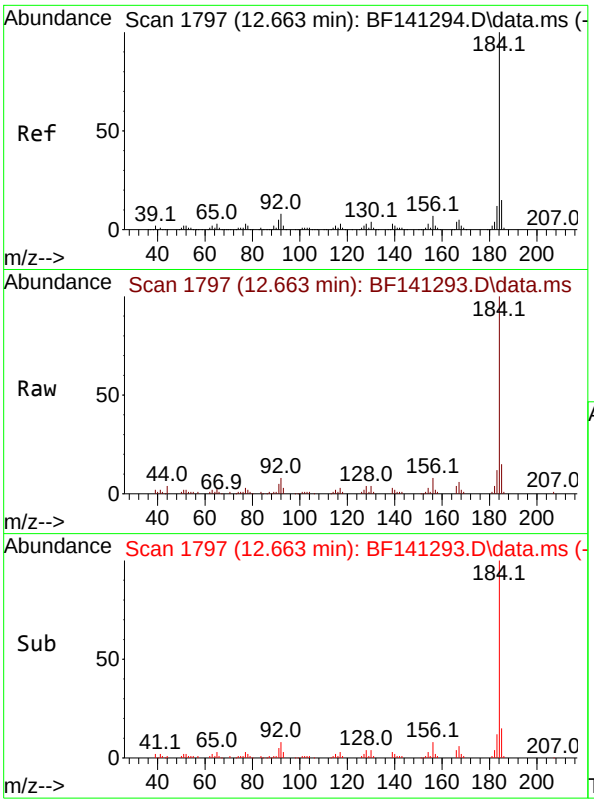


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:240 Resp: 314234

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.0	15.0
236	25.8	19.7	29.5

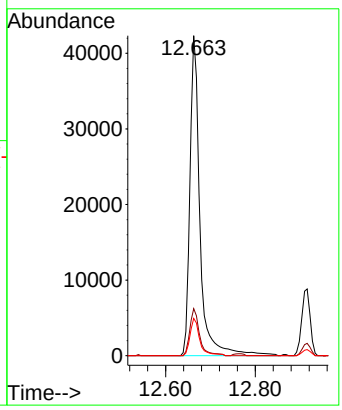




#77
Benzidine
Concen: 6.904 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 6596

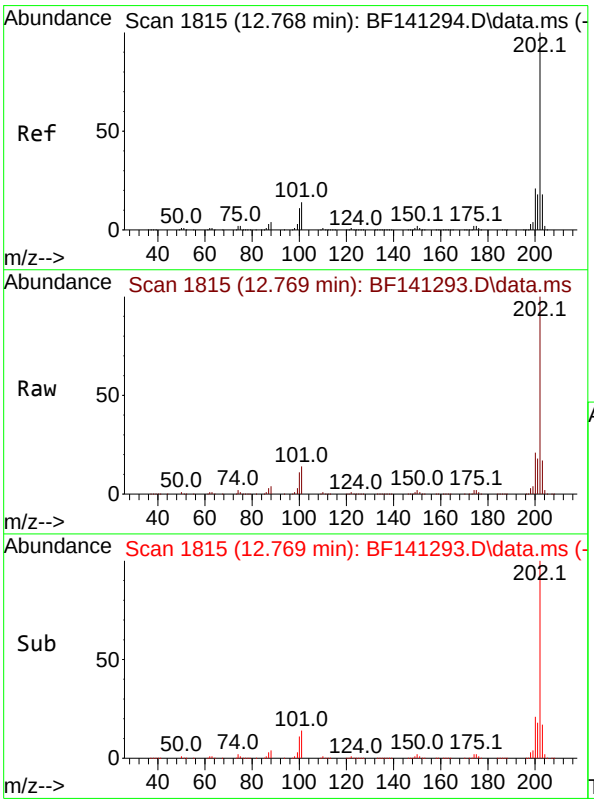
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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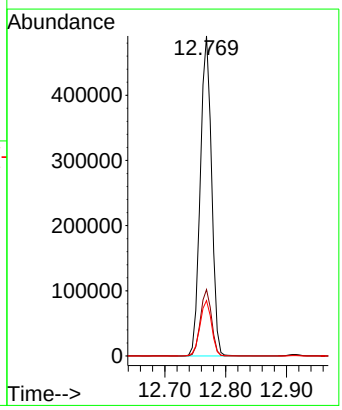
Reviewed By :Yogesh Patel 01/30/2025
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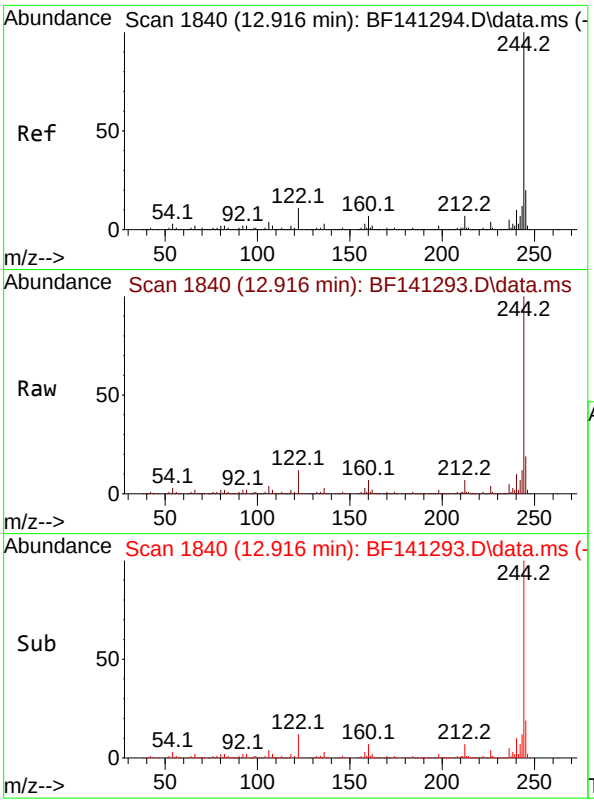


#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 629228

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.3	14.3	21.5

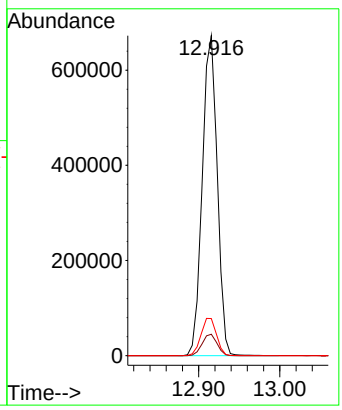




#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:244 Resp: 86095

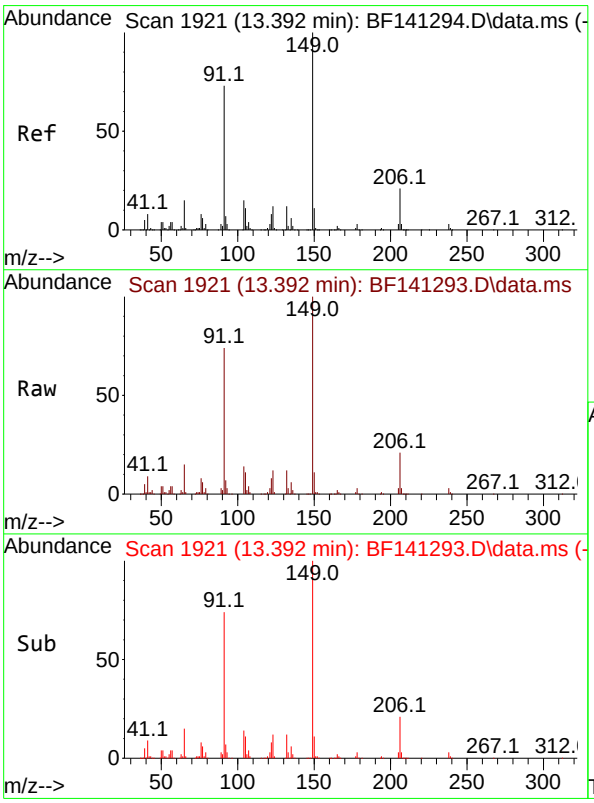
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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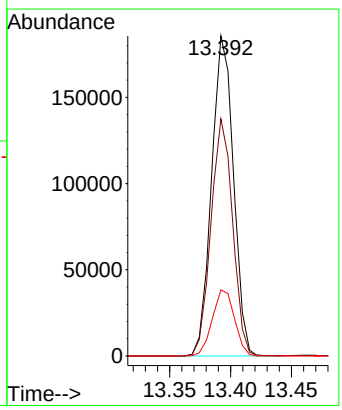
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

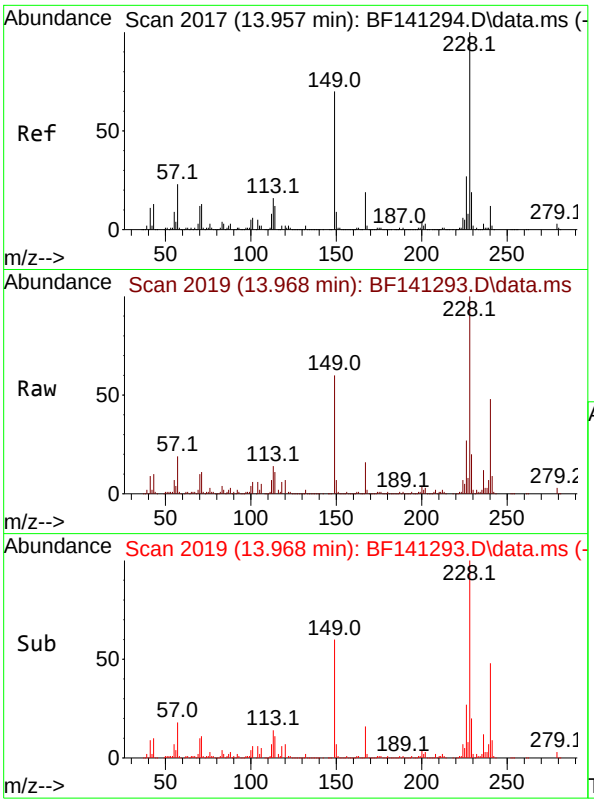


#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 232095

Ion	Ratio	Lower	Upper
149	100		
91	74.1	58.6	87.8
206	20.7	16.7	25.1

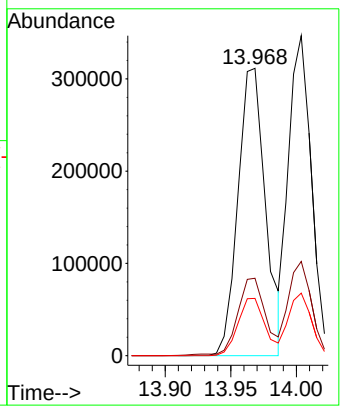




#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:228 Resp: 45653

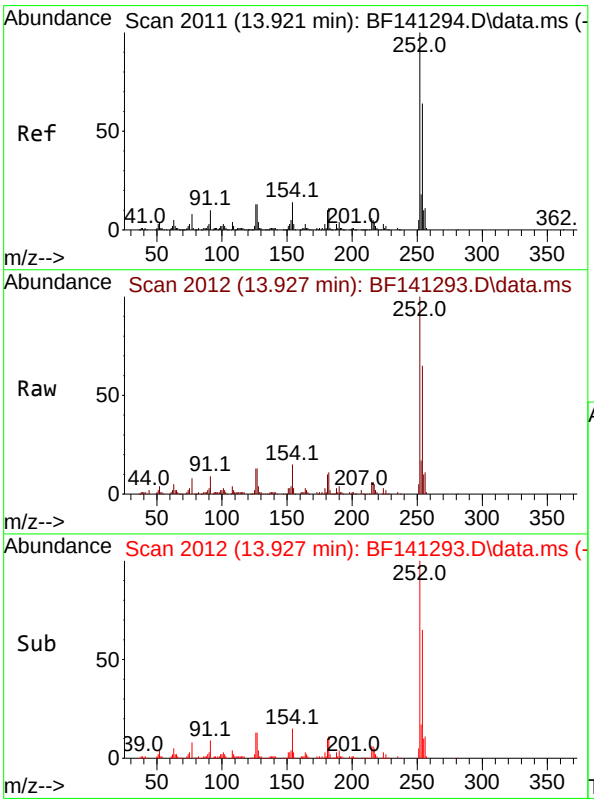
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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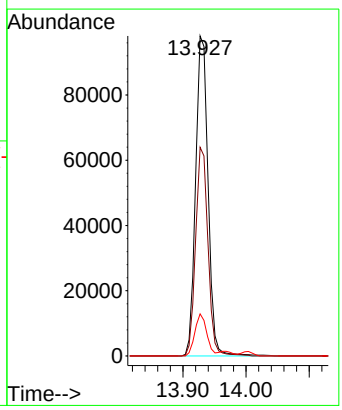
Reviewed By :Yogesh Patel 01/30/2025
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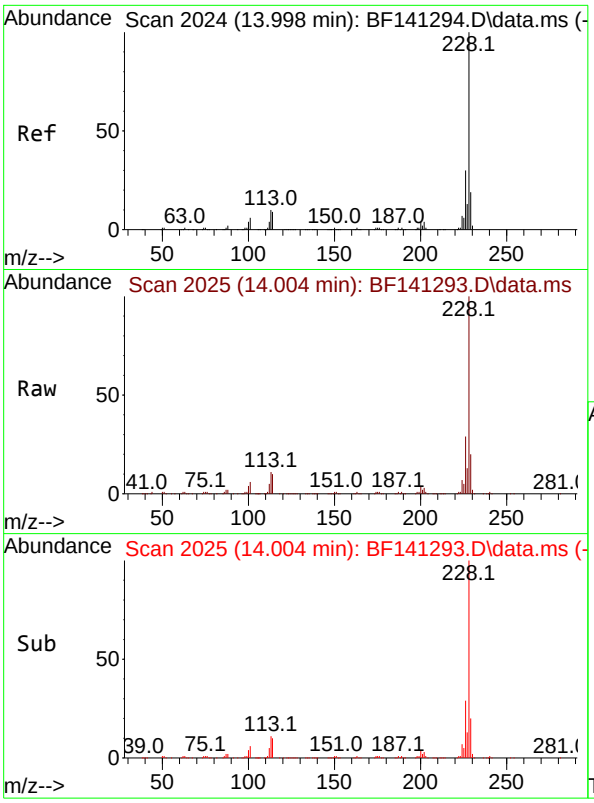


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 134298

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.3	76.9
126	13.2	10.0	15.0





#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

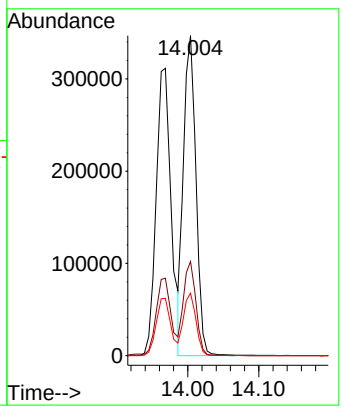
Tgt Ion:228 Resp: 42184(

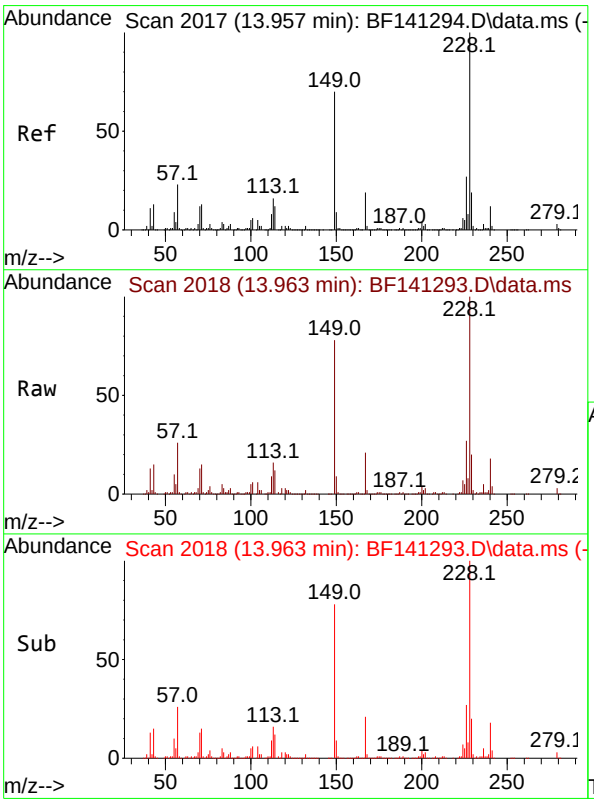
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.5	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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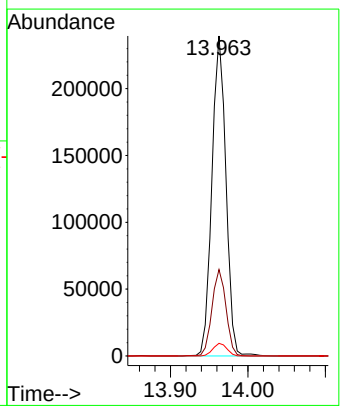


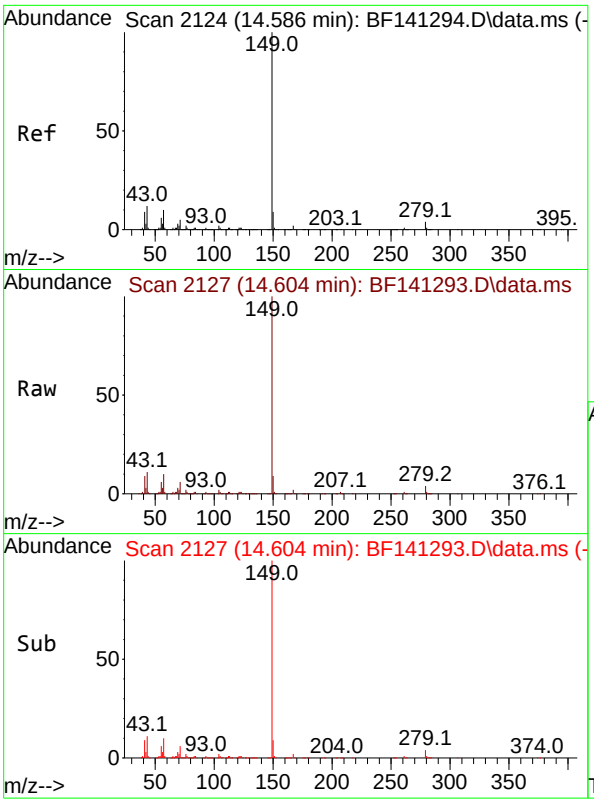


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 300546

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

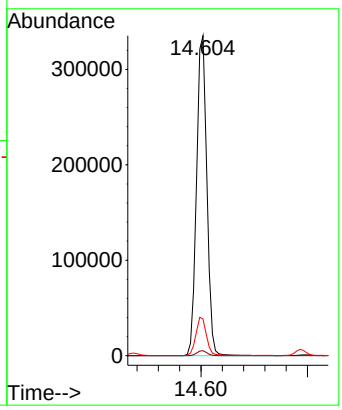
Tgt Ion:149 Resp: 45174

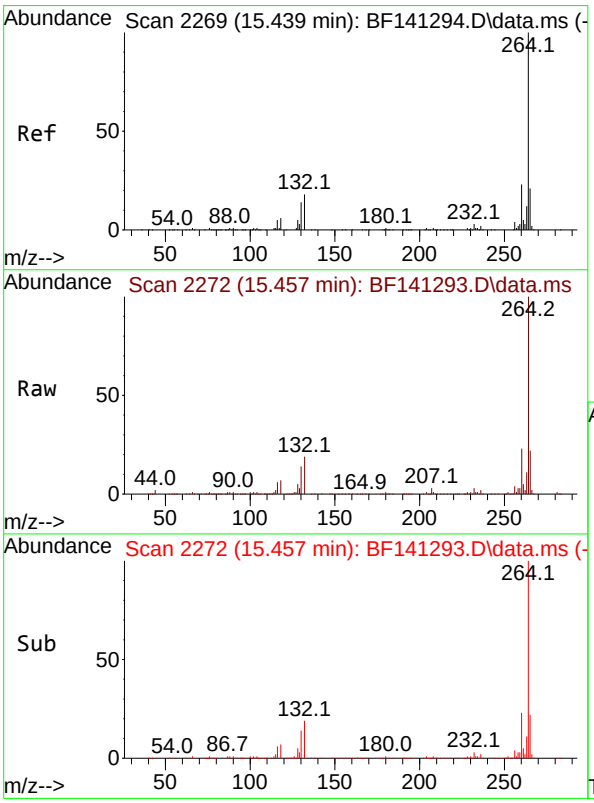
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

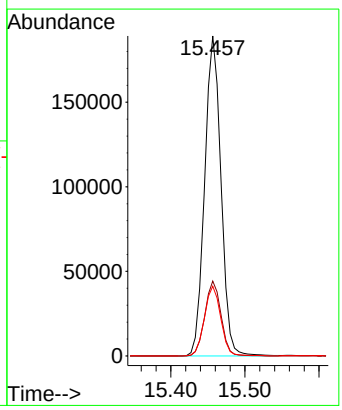


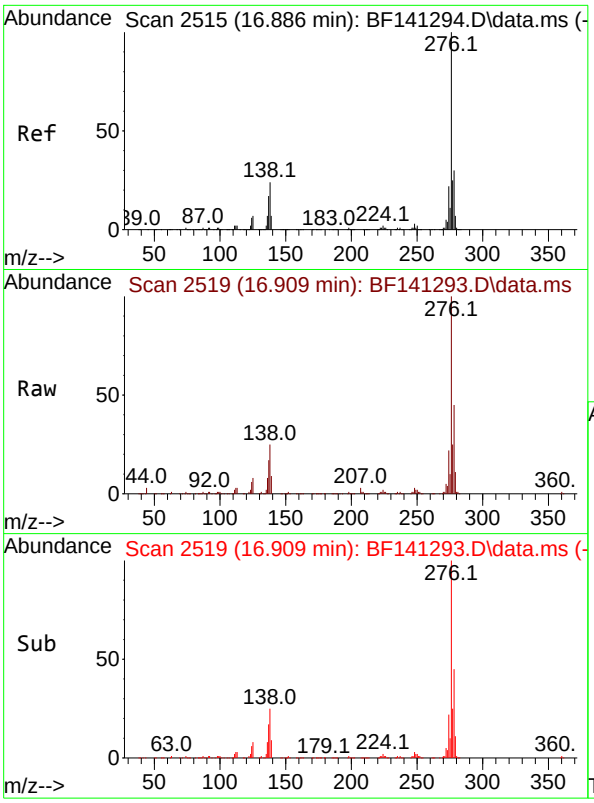


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.8	16.7	25.1

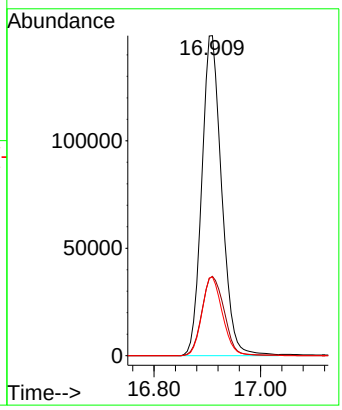




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.466 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 38708

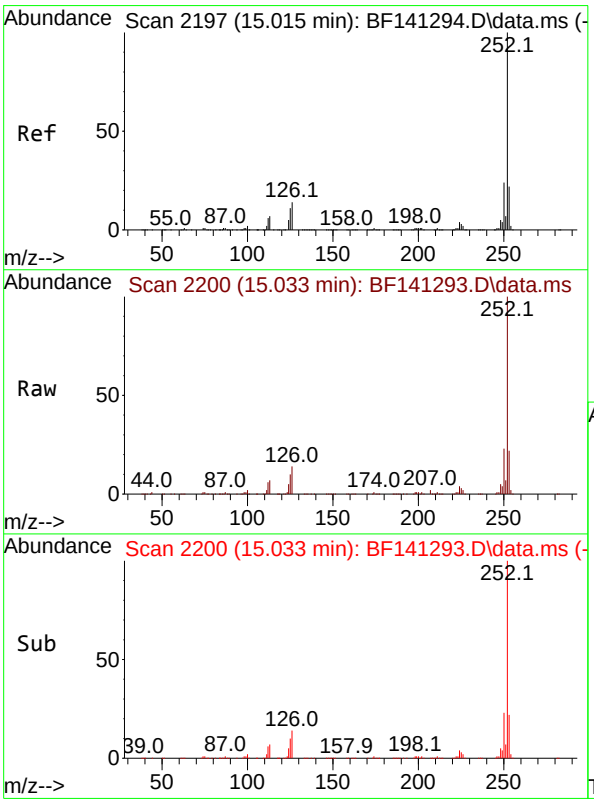
Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

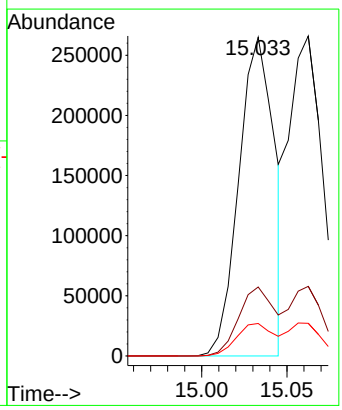
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

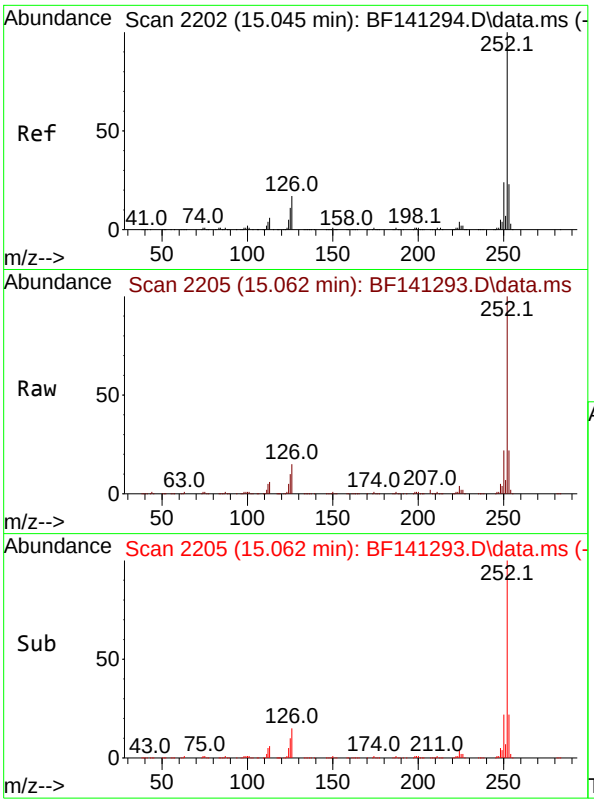


#88
Benzo(b)fluoranthene
Concen: 21.383 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 384557

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.2	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 22.900 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

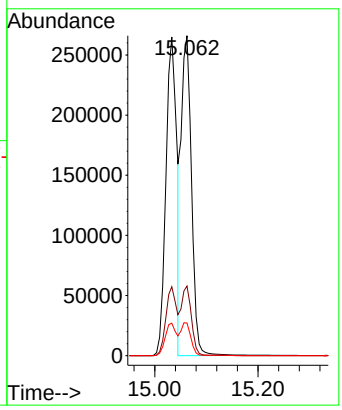
Tgt Ion:252 Resp: 36880

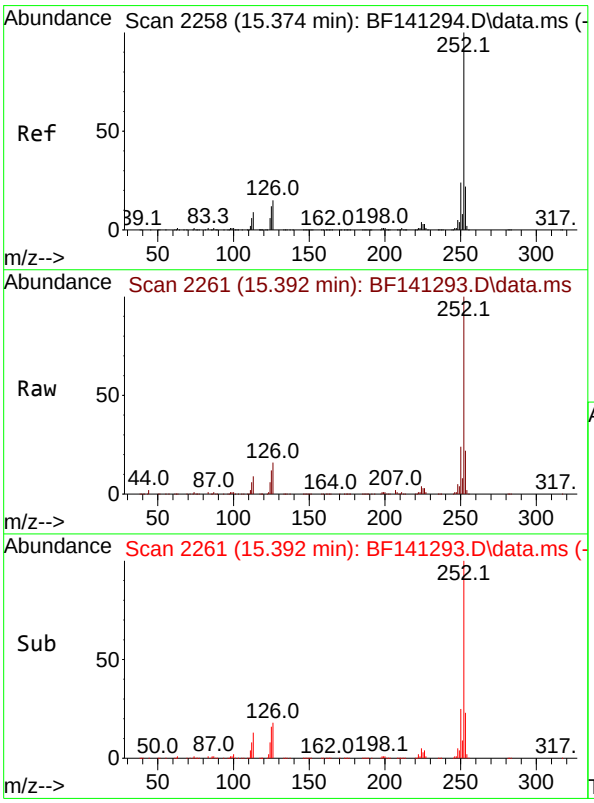
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.2	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

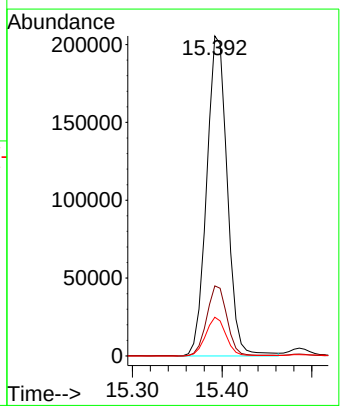


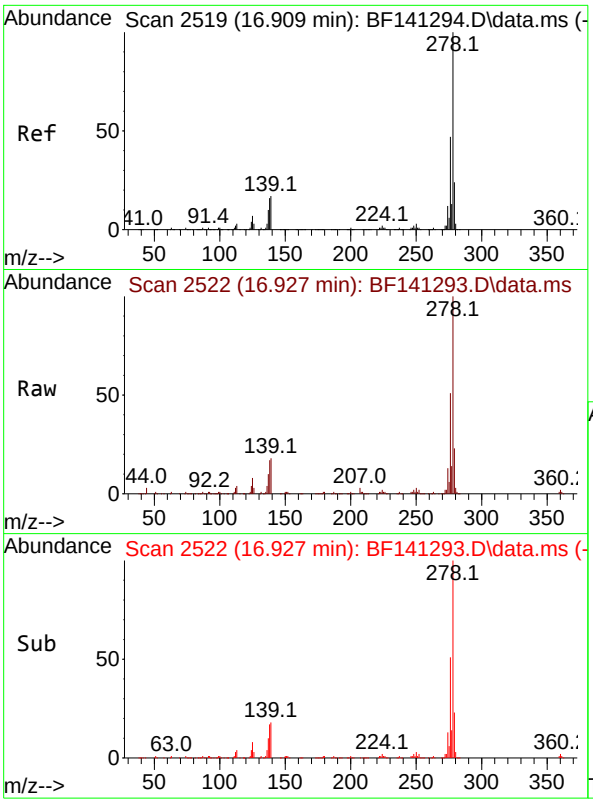


#90
Benzo(a)pyrene
Concen: 21.317 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 327630

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	12.1	9.4	14.2

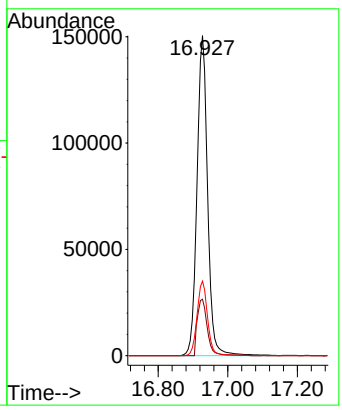




#91
Dibenzo(a,h)anthracene
Concen: 21.026 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:278 Resp: 31877

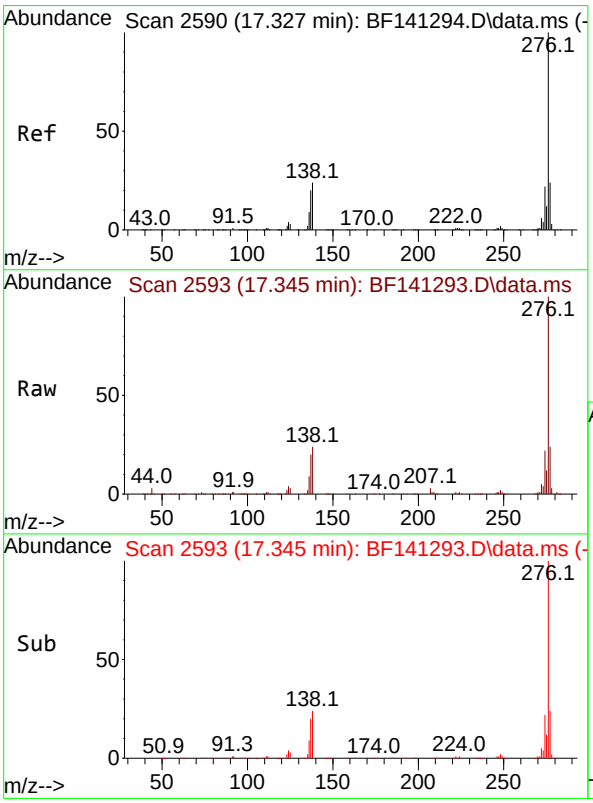
Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

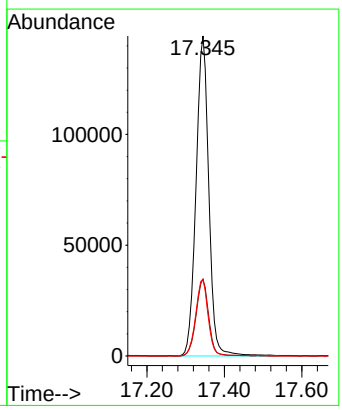
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 20.684 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 329876

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.9	19.0	28.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

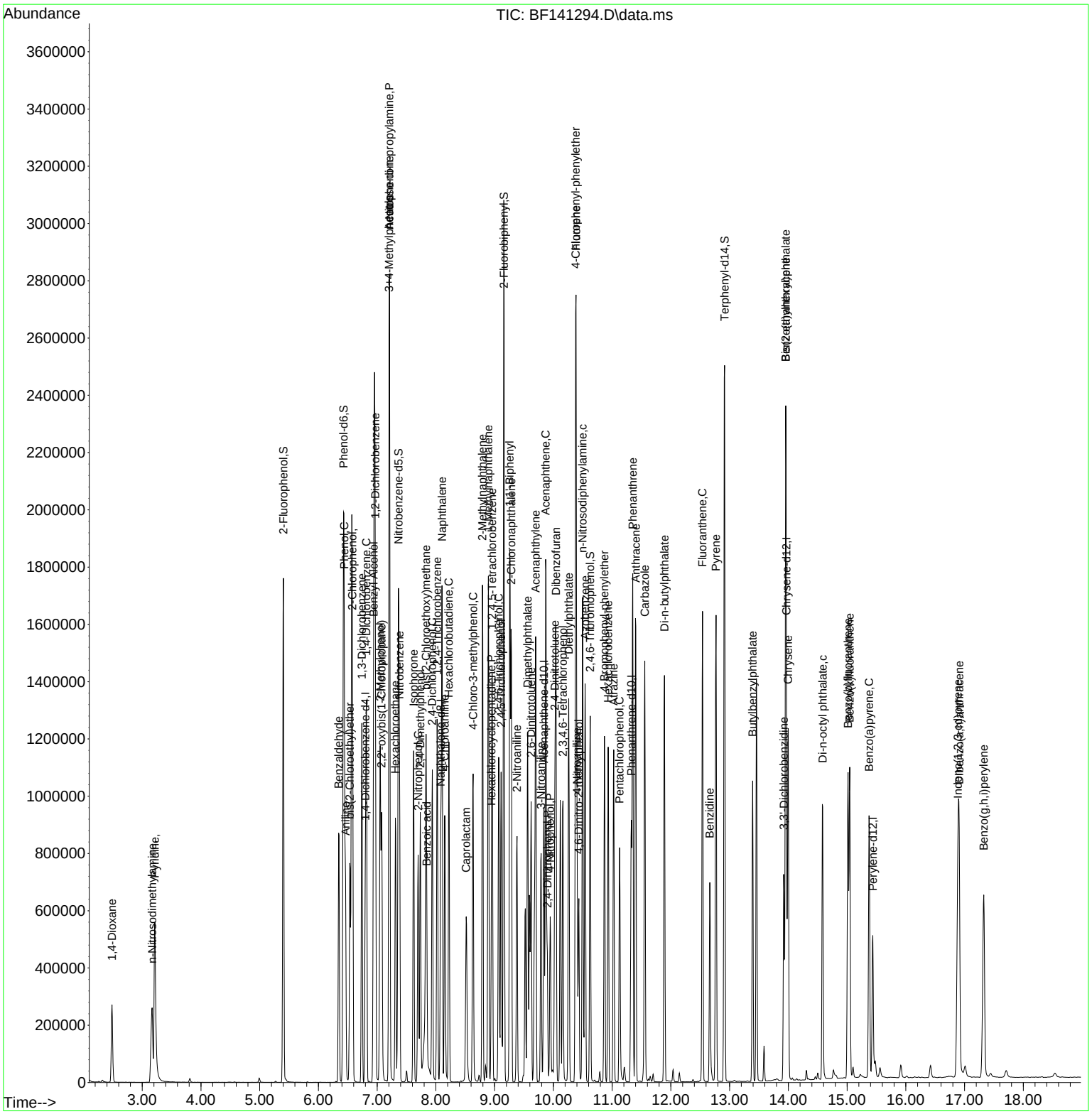
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

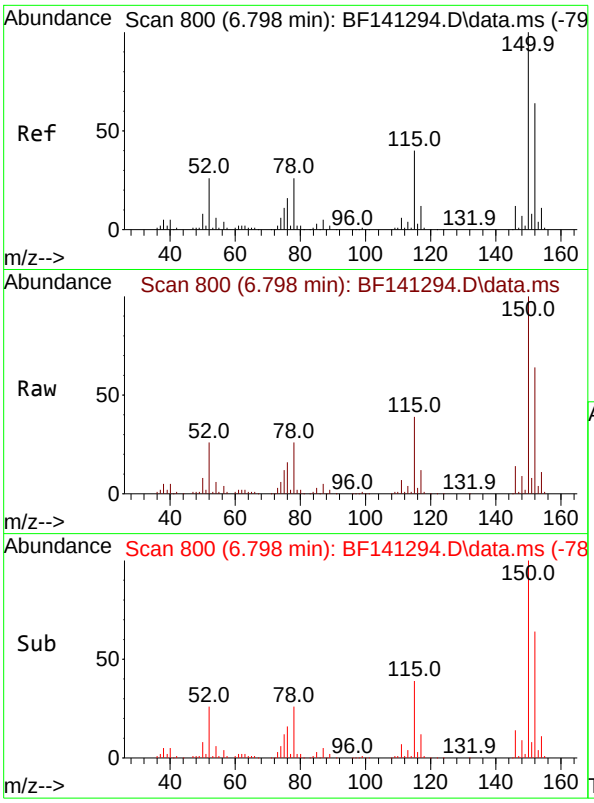
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



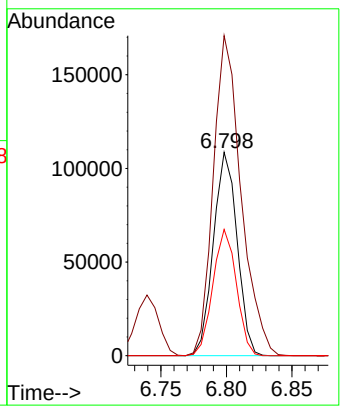


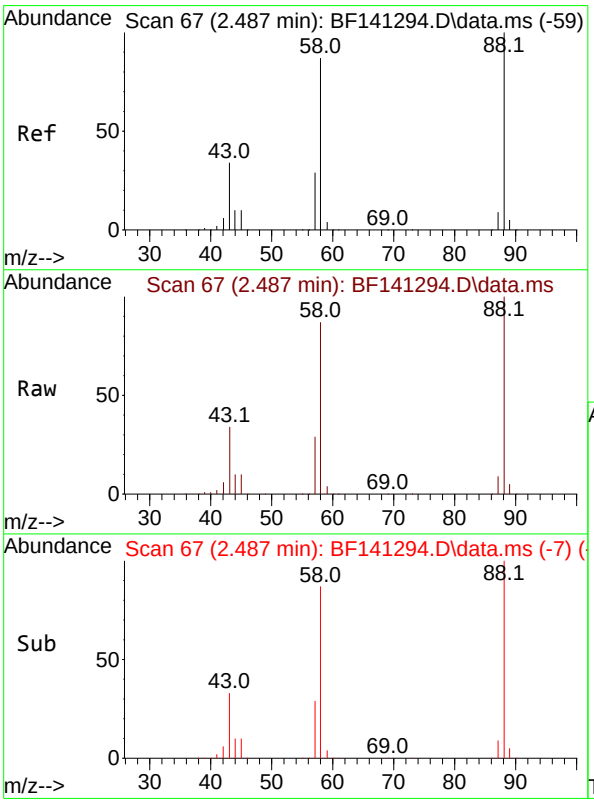
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 136511

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	62.1	49.7	74.5

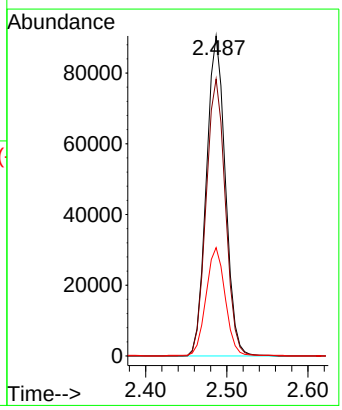


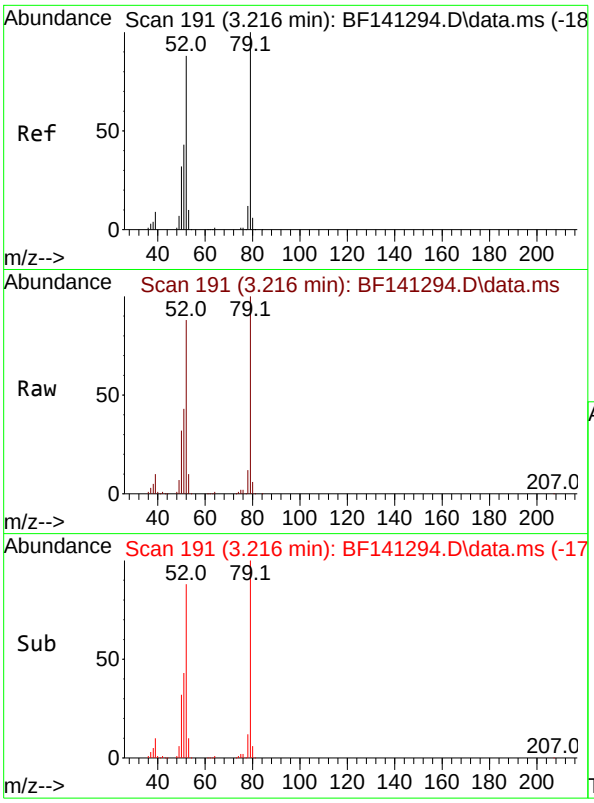


#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.5	27.6	41.4



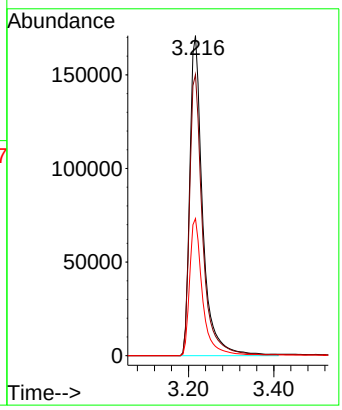


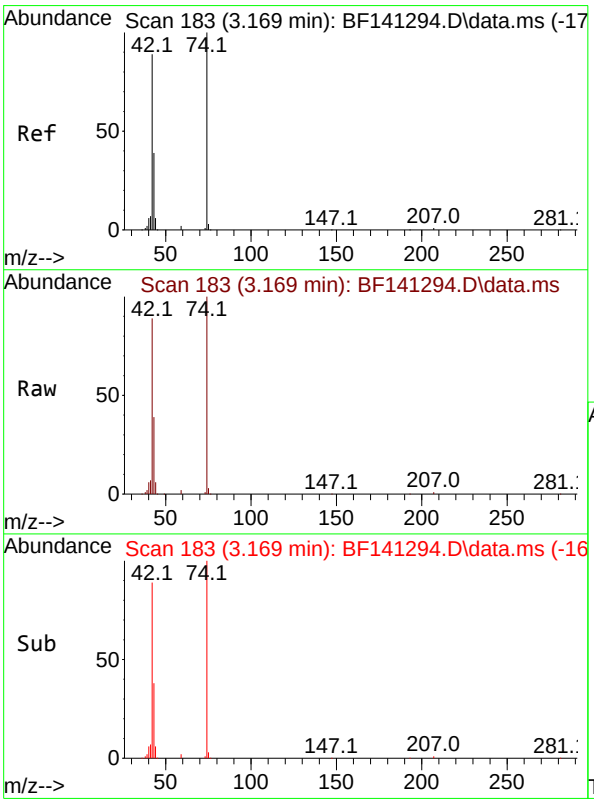
#3
Pyridine
Concen: 38.457 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 360381

Ion	Ratio	Lower	Upper
79	100		
52	87.9	70.3	105.5
51	42.9	34.3	51.5

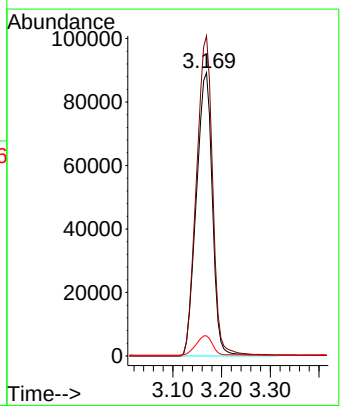


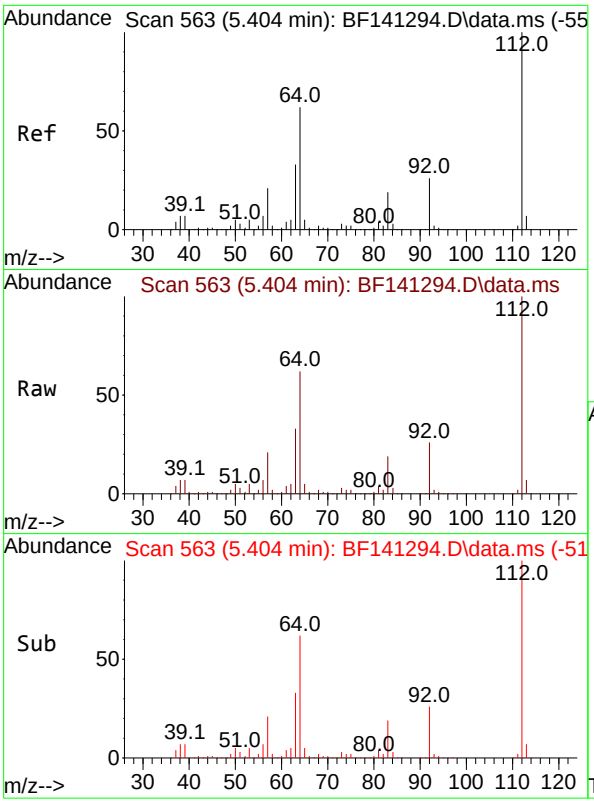


#4
n-Nitrosodimethylamine
Concen: 38.203 ng
RT: 3.169 min Scan# 183
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 42 Resp: 205026

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	7.1	5.7	8.5



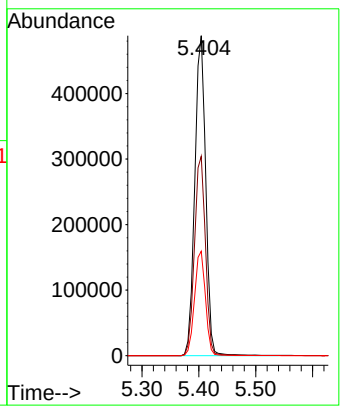


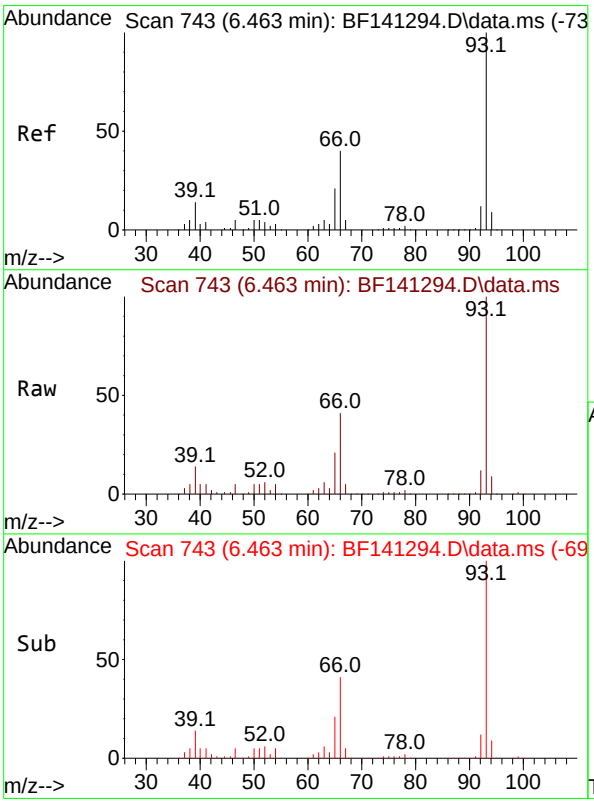
#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 655671

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	32.6	26.1	39.1

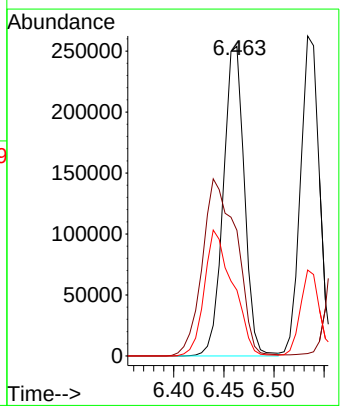


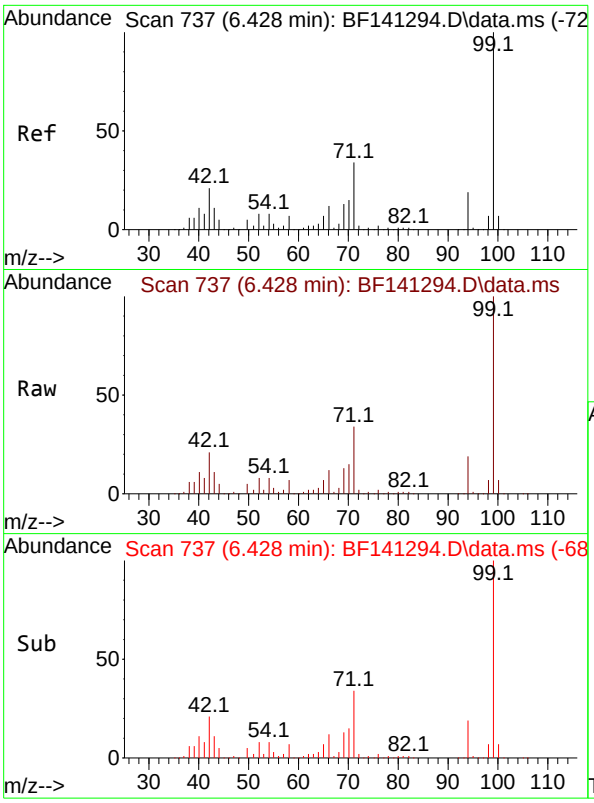


#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145

Ion	Ratio	Lower	Upper
93	100		
66	40.6	32.5	48.7
65	21.3	17.0	25.6



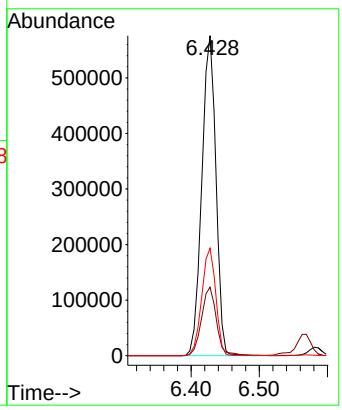


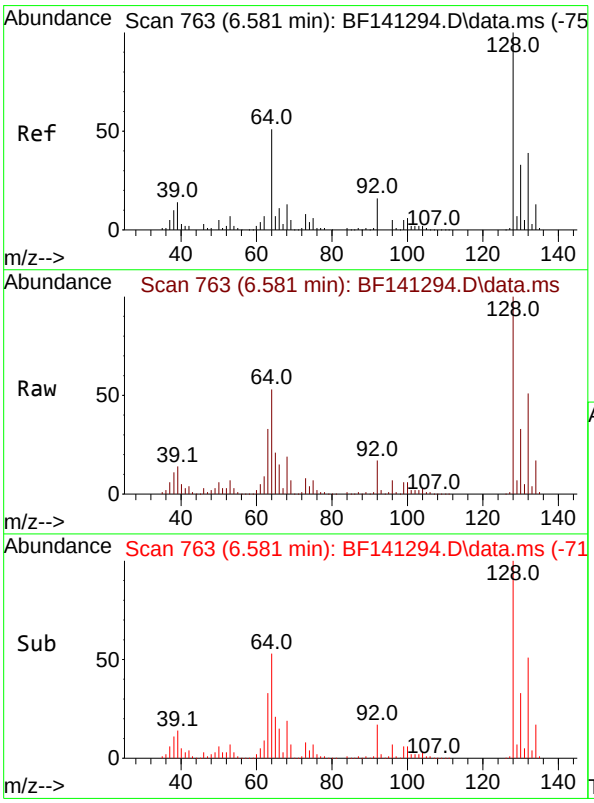
#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 829746

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	33.6	26.9	40.3

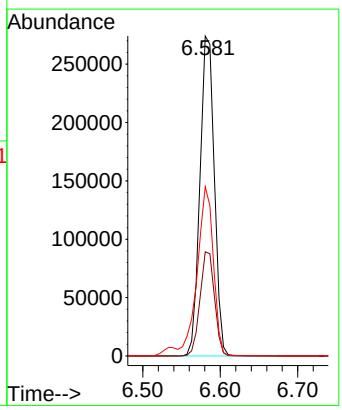


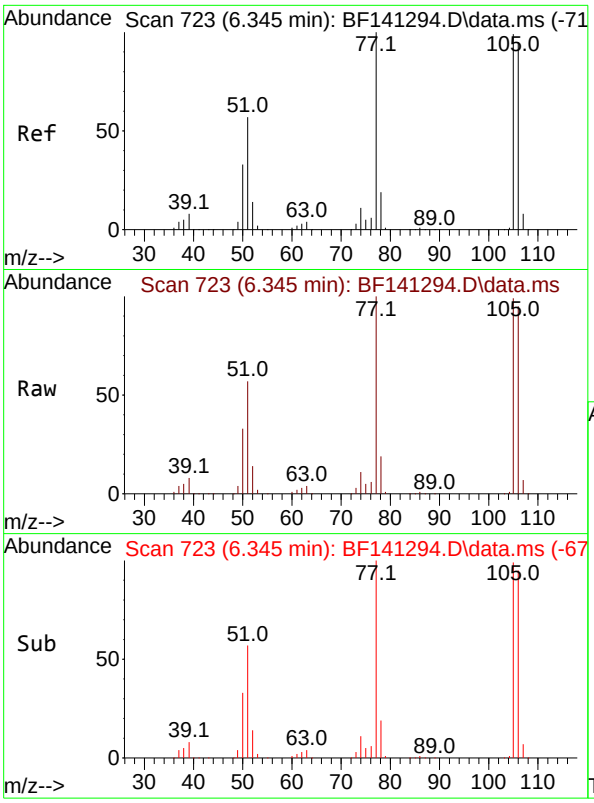


#8
2-Chlorophenol
Concen: 37.357 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:128 Resp: 354141

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	52.9	32.9	72.9



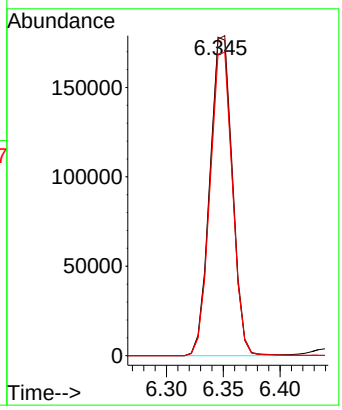


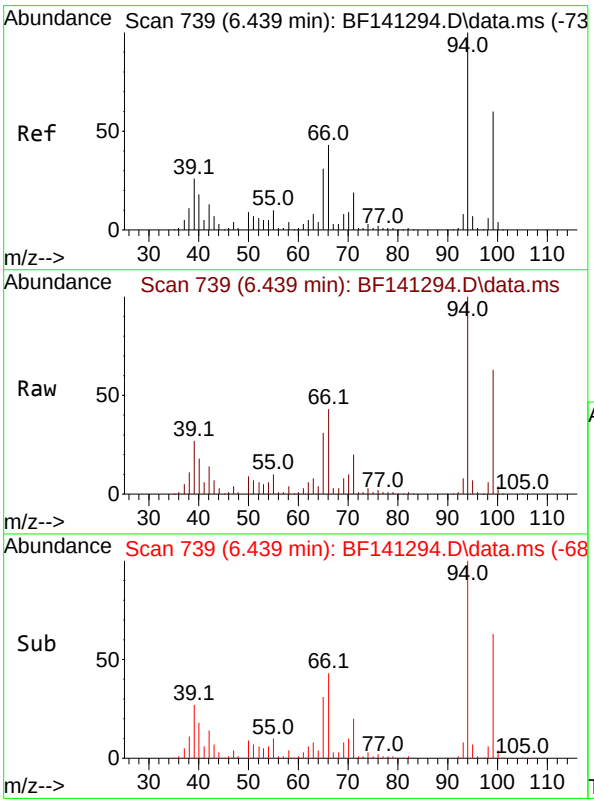
#9
Benzaldehyde
Concen: 37.402 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 244365

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	94.6	74.6	114.6

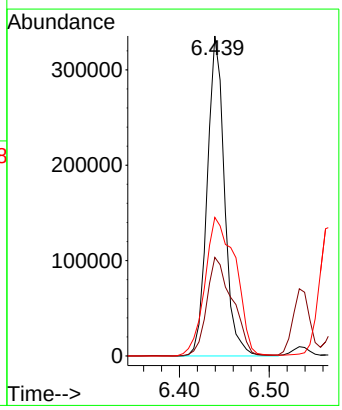


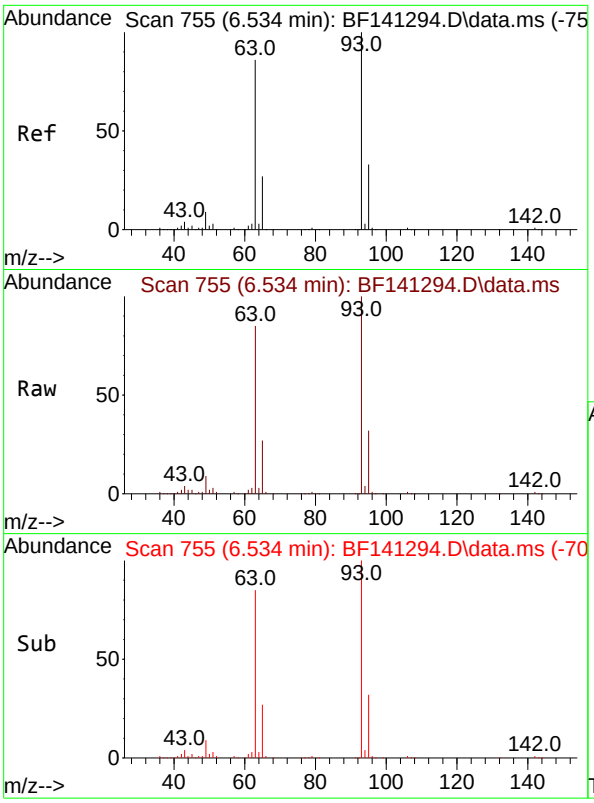


#10
Phenol
Concen: 37.678 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 94 Resp: 448441

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	43.3	23.3	63.3



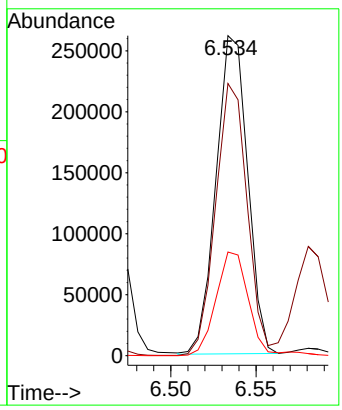


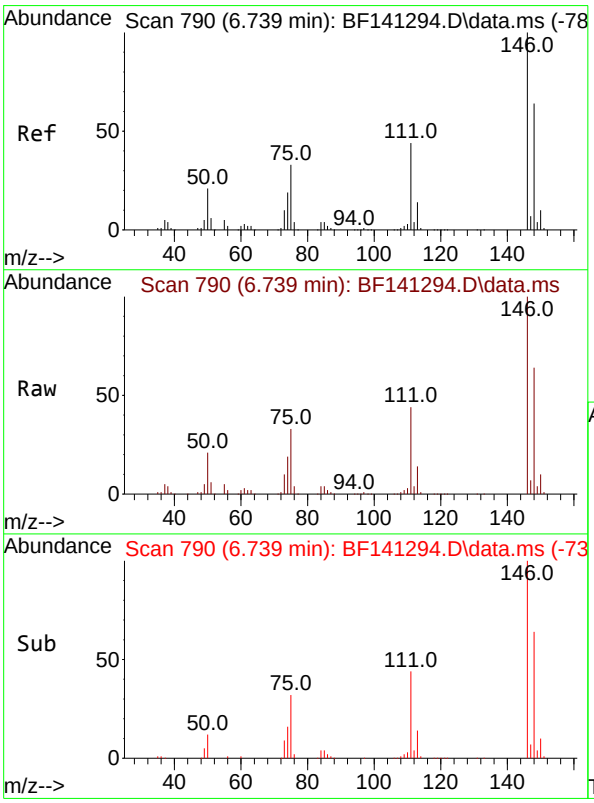
#11
bis(2-Chloroethyl)ether
Concen: 36.754 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 336429

Ion	Ratio	Lower	Upper
93	100		
63	85.0	65.0	105.0
95	32.4	12.4	52.4

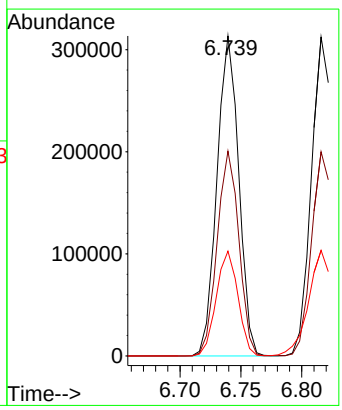


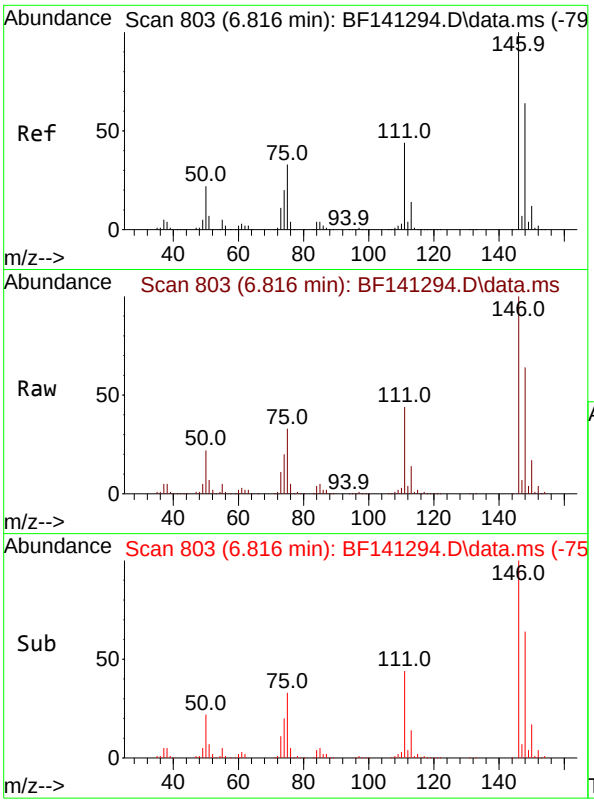


#12
1,3-Dichlorobenzene
Concen: 37.328 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 390276

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.8	26.2	39.4



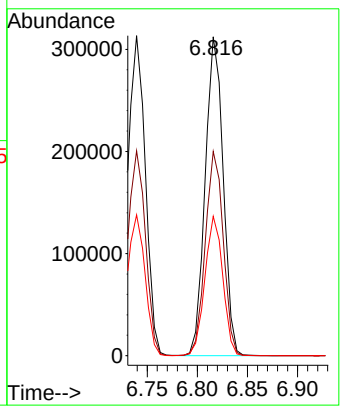


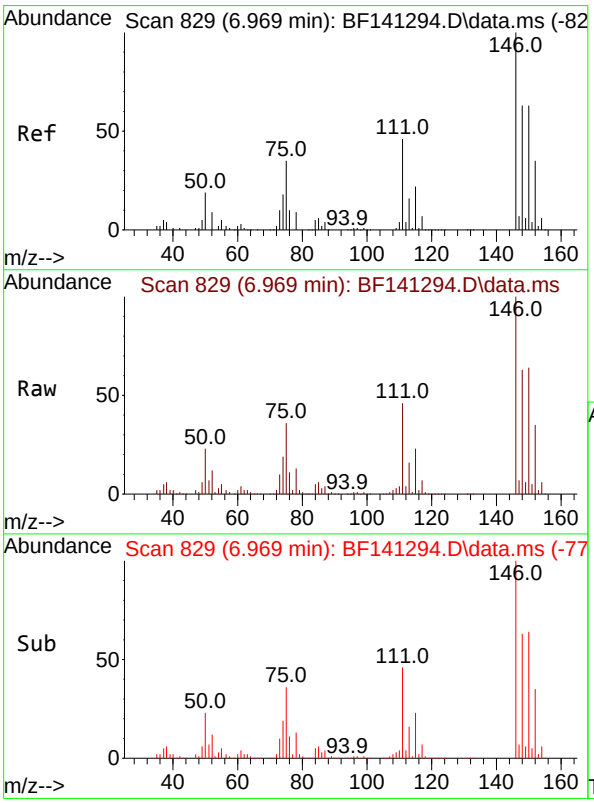
#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 390834

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	43.7	35.0	52.4

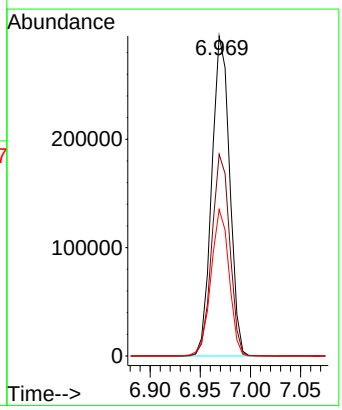


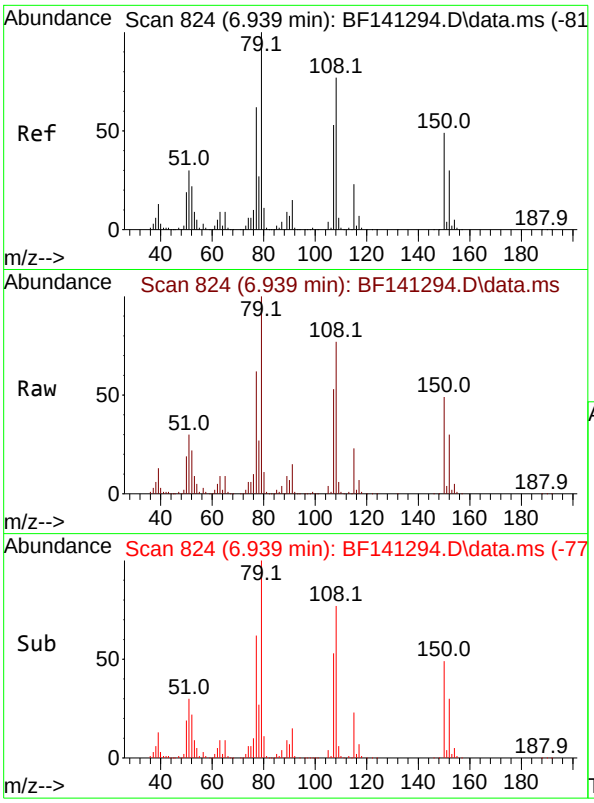


#14
1,2-Dichlorobenzene
Concen: 37.114 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 365173

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	45.8	36.6	55.0



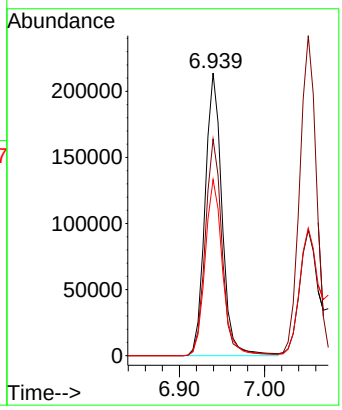


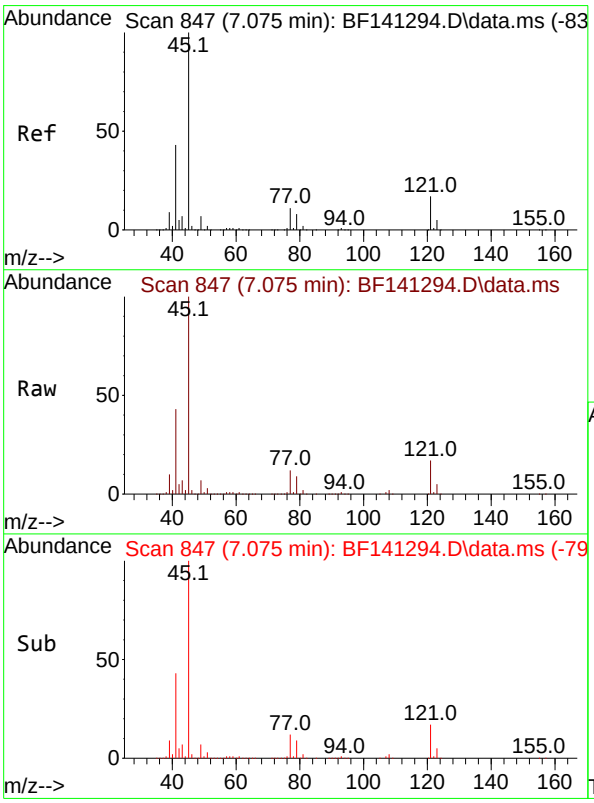
#15
Benzyl Alcohol
Concen: 38.445 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 295478

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.4	92.0
77	62.4	49.9	74.9

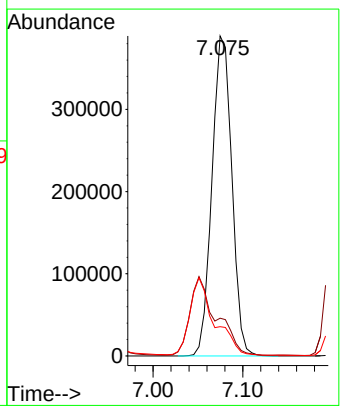


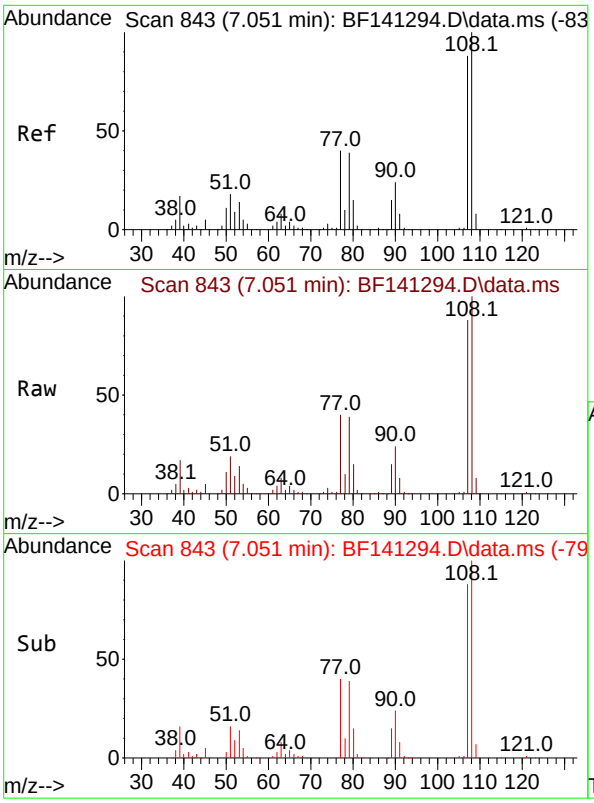


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.578 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 45 Resp: 597590

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.1	0.0	29.1



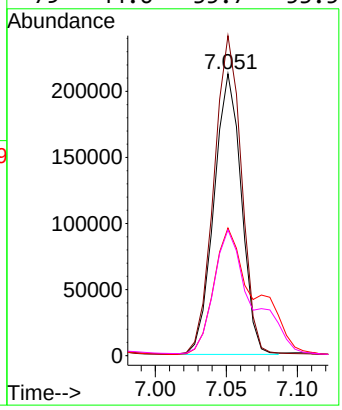


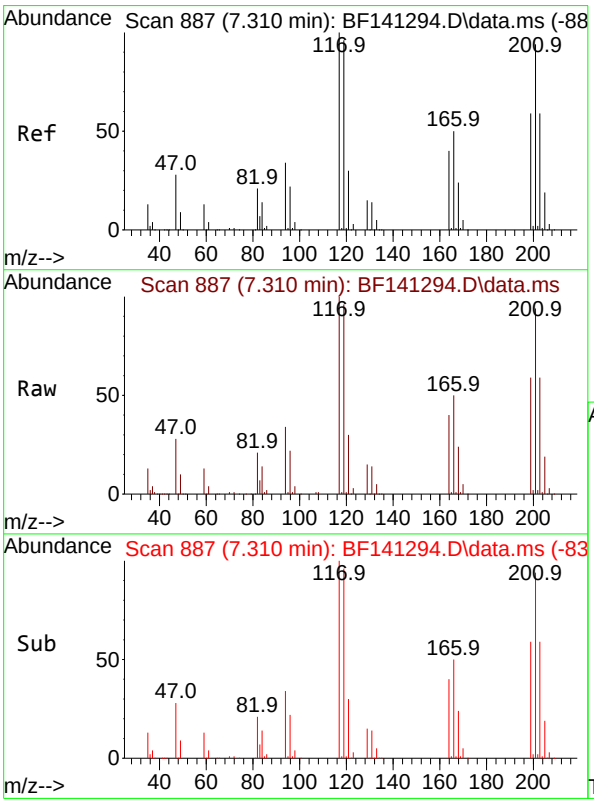
#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 284578

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	45.3	36.2	54.4
79	44.6	35.7	53.5

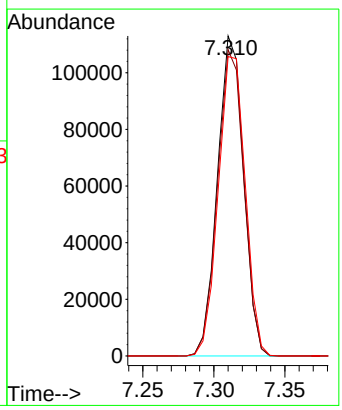


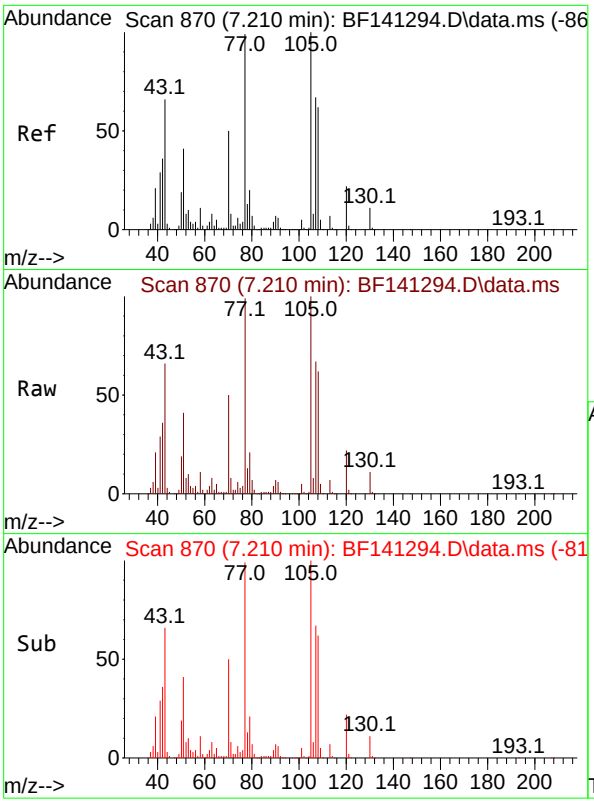


#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:117 Resp: 144619

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	93.5	74.8	112.2



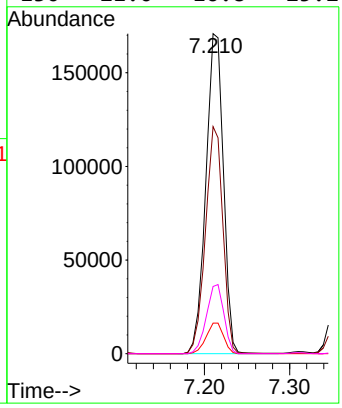


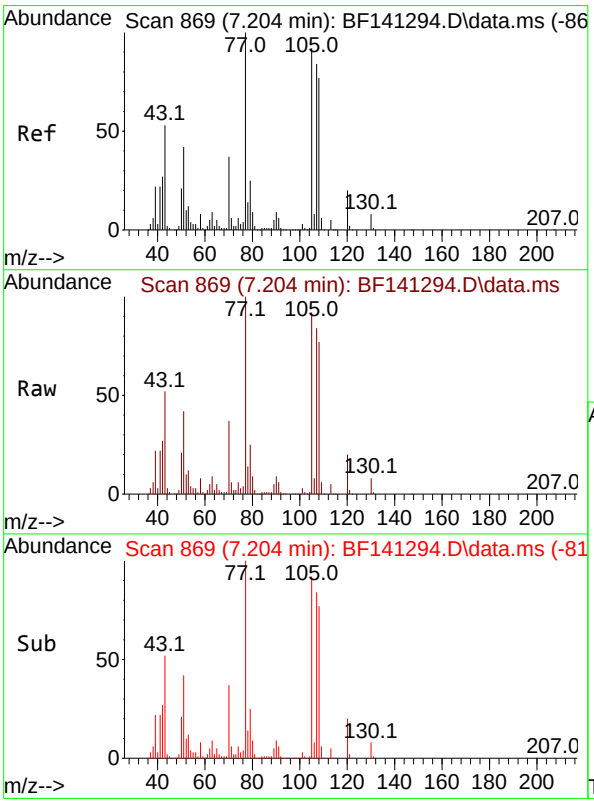
#19
n-Nitroso-di-n-propylamine
Concen: 36.524 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 244379

Ion	Ratio	Lower	Upper
70	100		
42	71.0	56.8	85.2
101	9.6	7.7	11.5
130	21.0	16.8	25.2

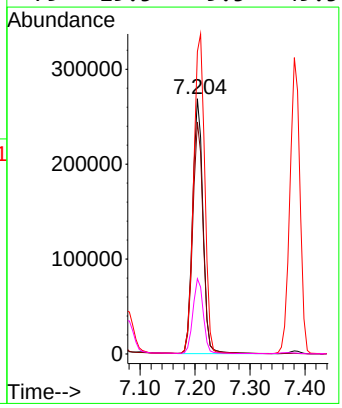


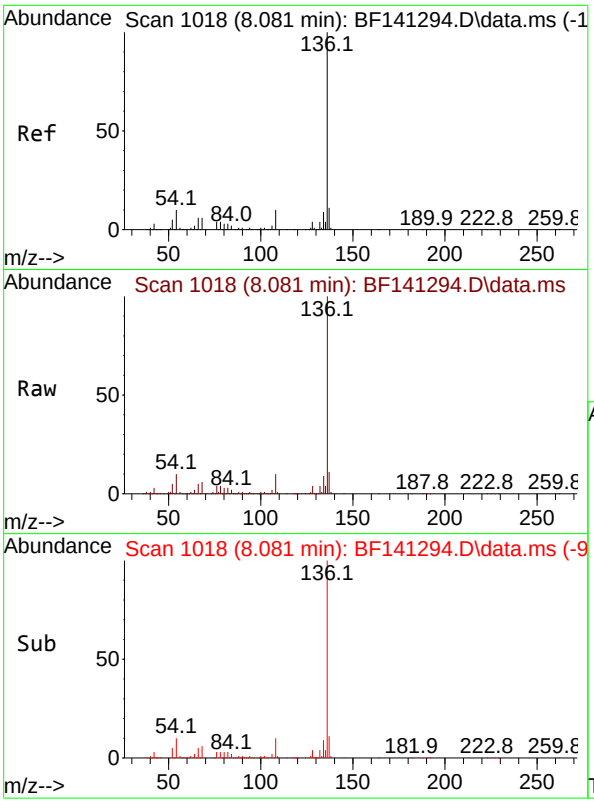


#20
3+4-Methylphenols
Concen: 37.222 ng
RT: 7.204 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 351248

Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.9	110.9
77	118.5	98.5	138.5
79	29.5	9.5	49.5



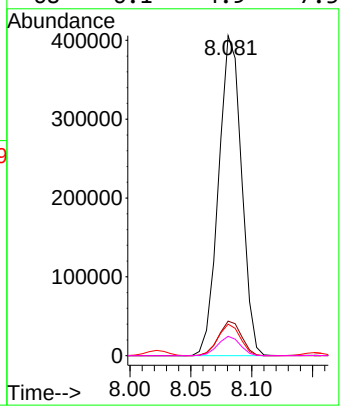


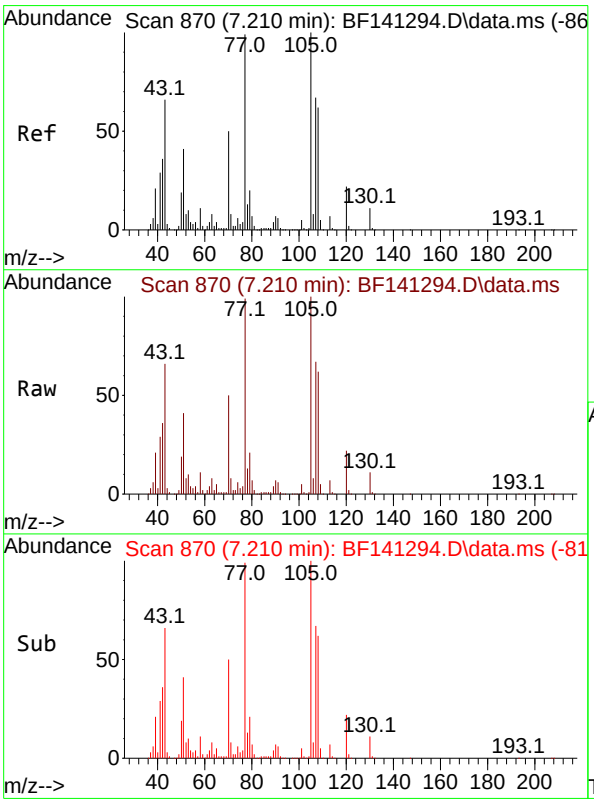
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 533326

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.8	7.8	11.8
68	6.1	4.9	7.3

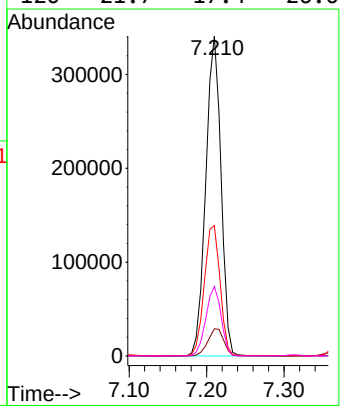


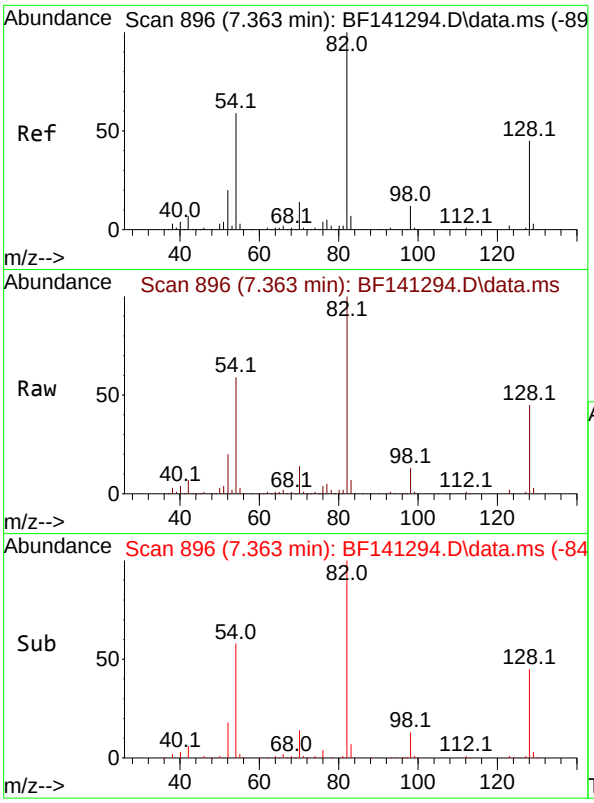


#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.8	10.2
51	40.8	32.6	49.0
120	21.7	17.4	26.0



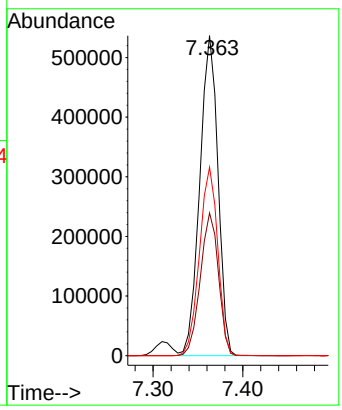


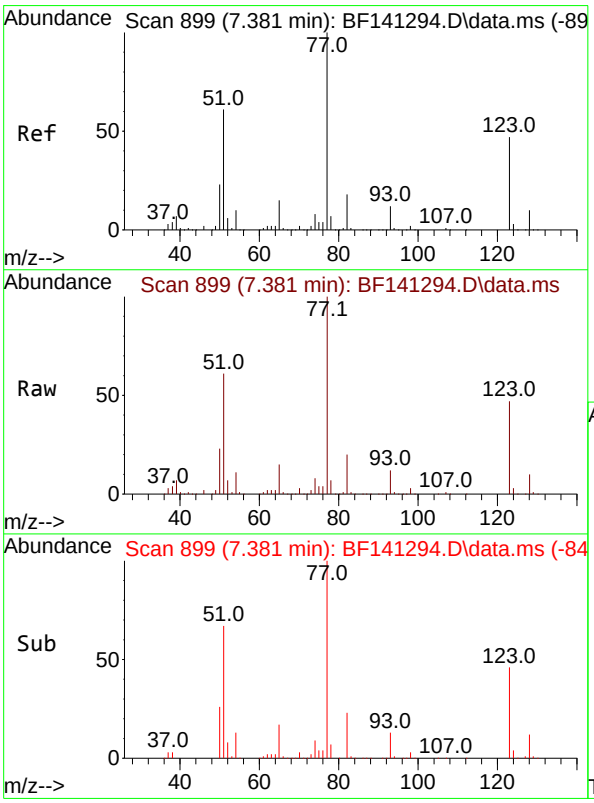
#23
Nitrobenzene-d5
Concen: 74.958 ng
RT: 7.363 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 755539

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.9	47.1	70.7

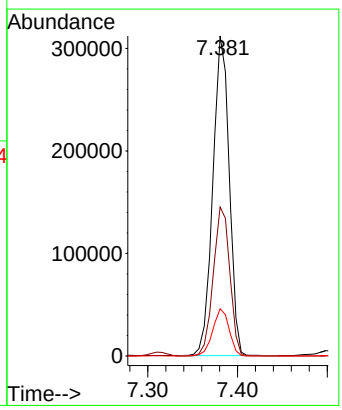


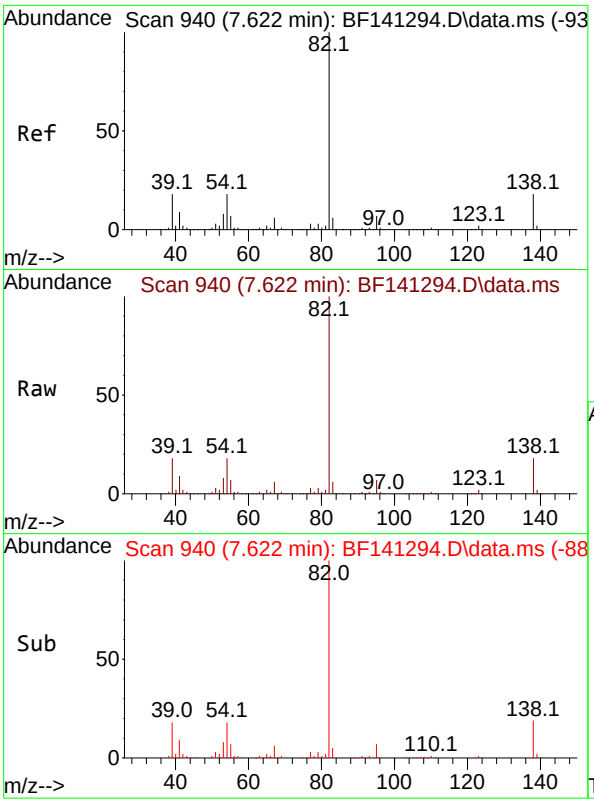


#24
Nitrobenzene
Concen: 37.893 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 77 Resp: 396149

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.7	11.8	17.6



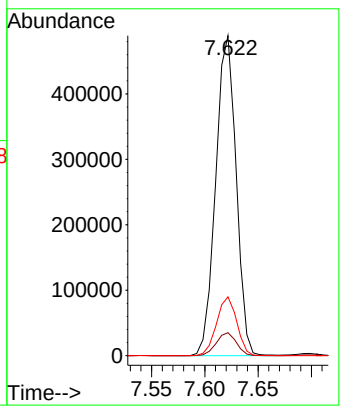


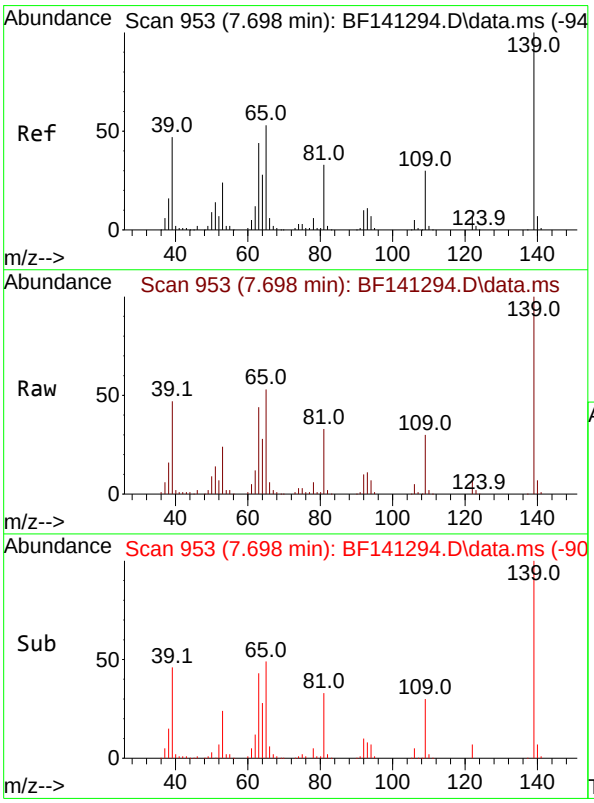
#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 651994

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.4	14.7	22.1

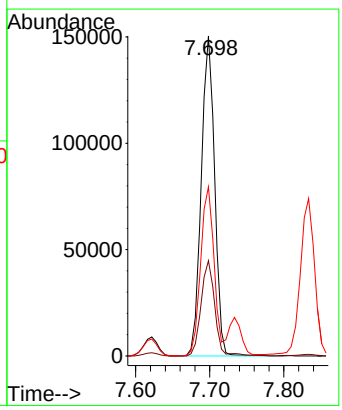


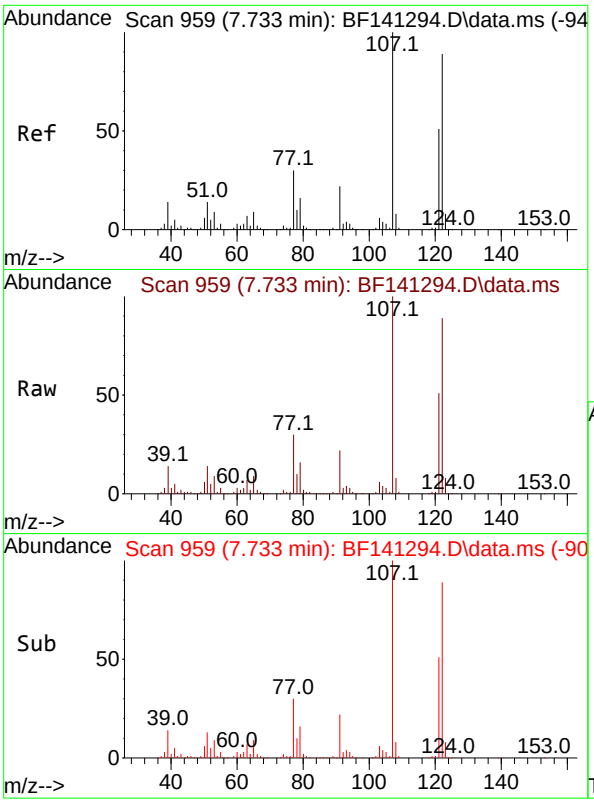


#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 188435

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.8	35.6
65	52.8	42.2	63.4



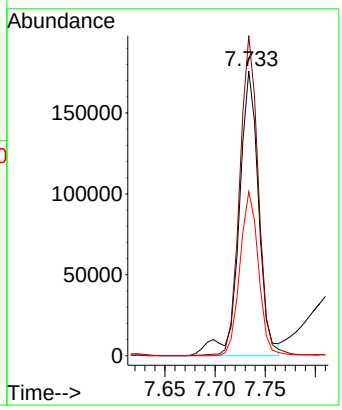


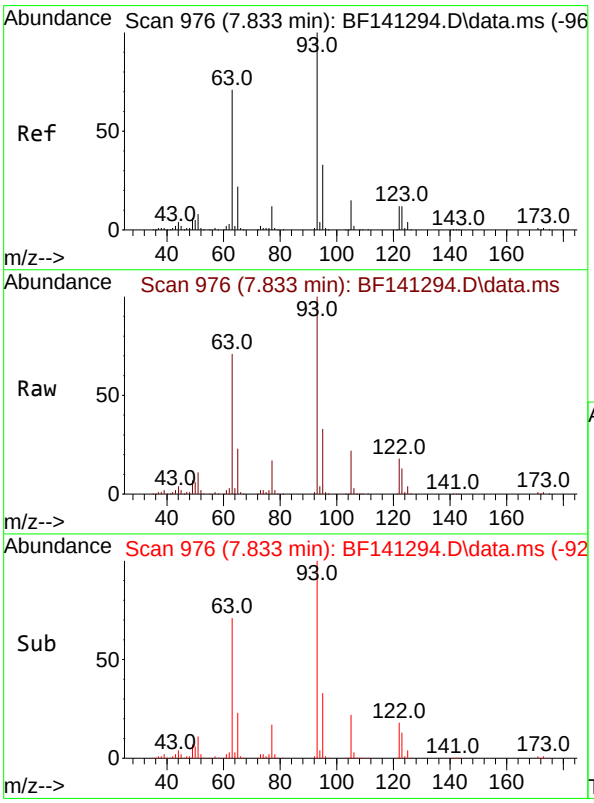
#27
2,4-Dimethylphenol
Concen: 38.255 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 239376

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	57.6	46.1	69.1

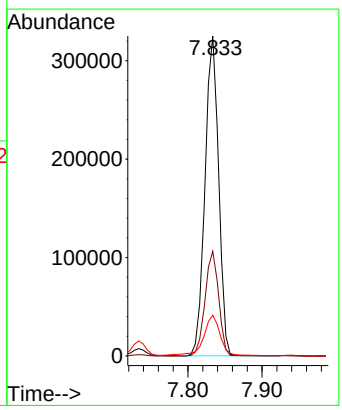


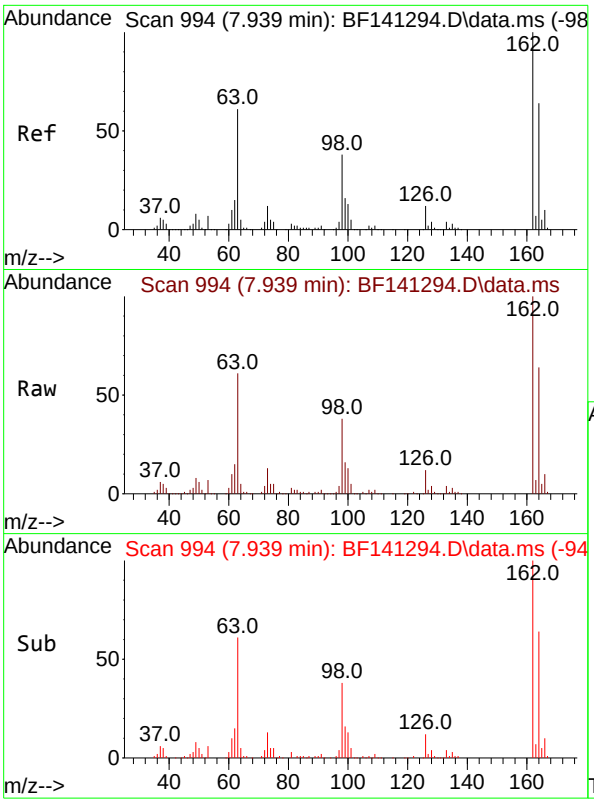


#28
bis(2-Chloroethoxy)methane
Concen: 37.367 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 414781

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.8	10.2	15.4



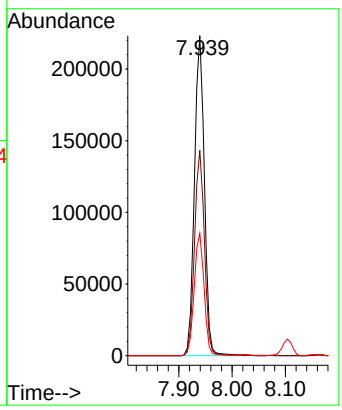


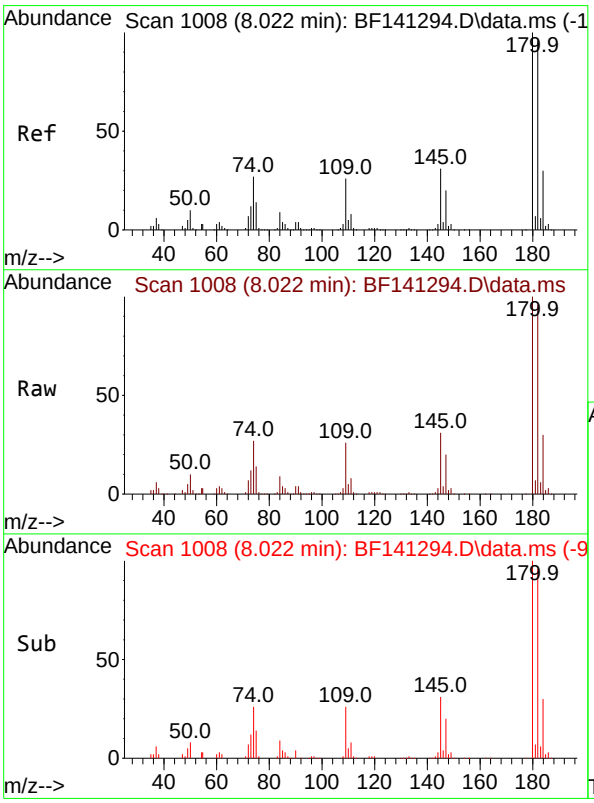
#29
2,4-Dichlorophenol
Concen: 37.768 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 288763

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.2	18.2	58.2

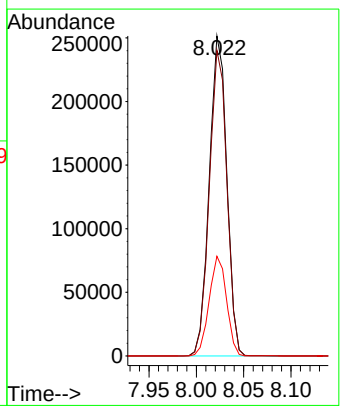


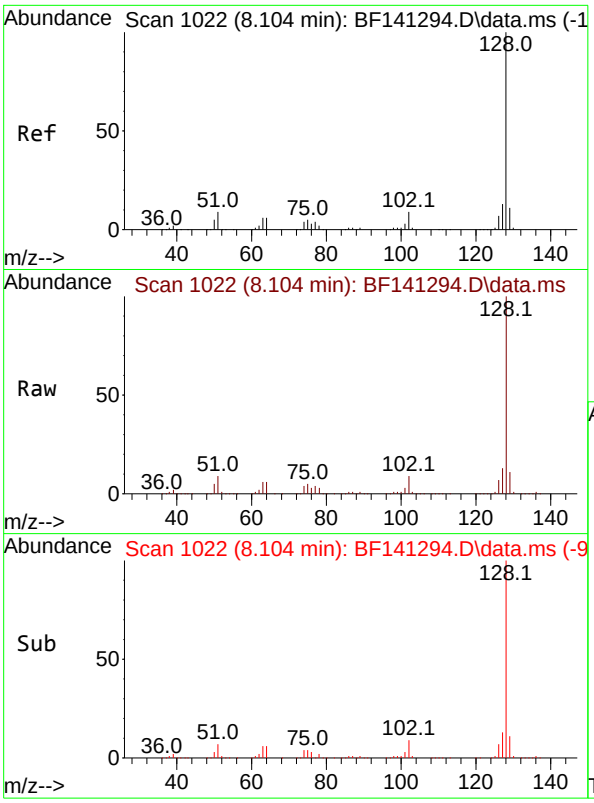


#30
1,2,4-Trichlorobenzene
Concen: 36.932 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:180 Resp: 323865

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.1	24.9	37.3



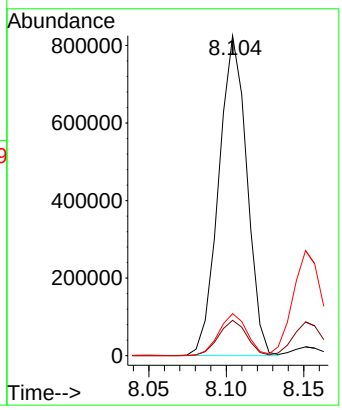


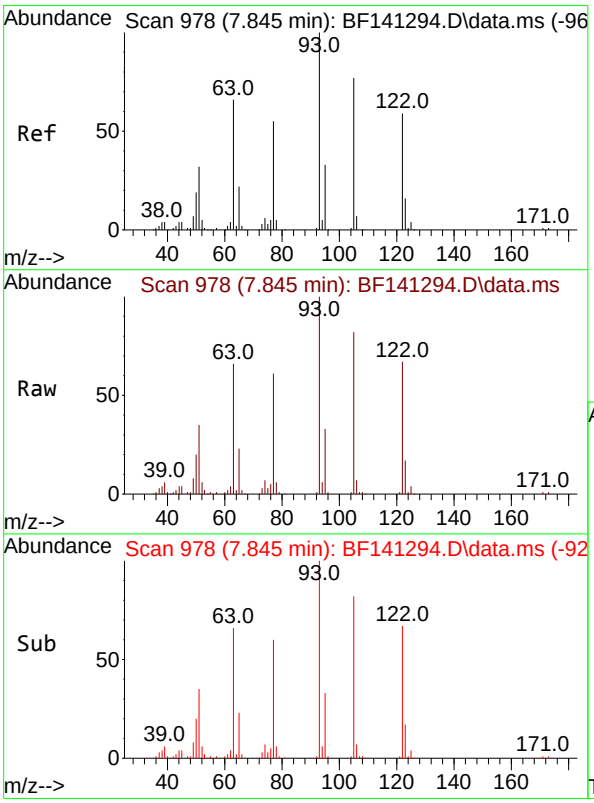
#31
Naphthalene
Concen: 37.116 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1041107

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

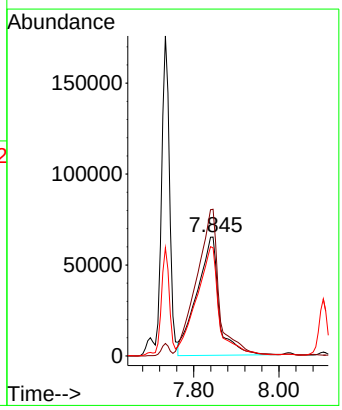


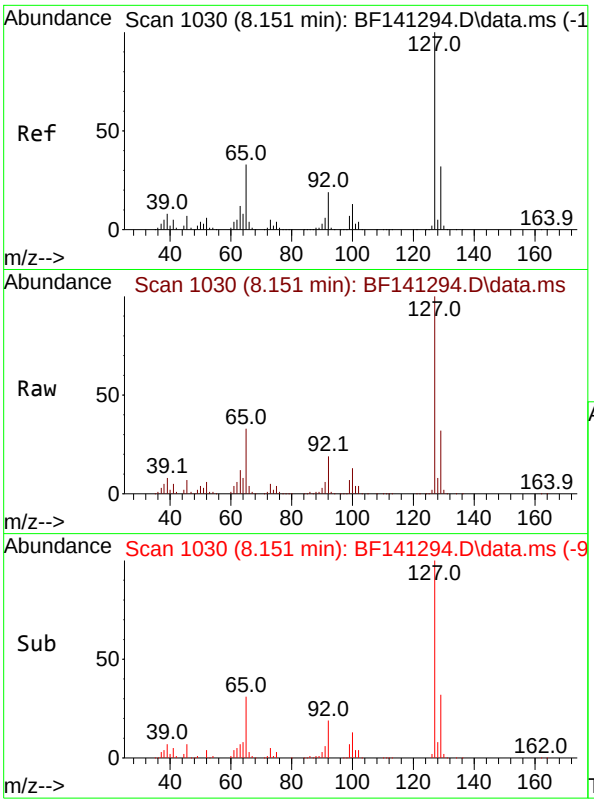


#32
Benzoic acid
Concen: 41.459 ng
RT: 7.845 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:122 Resp: 235596

Ion	Ratio	Lower	Upper
122	100		
105	123.4	103.4	143.4
77	90.9	70.9	110.9



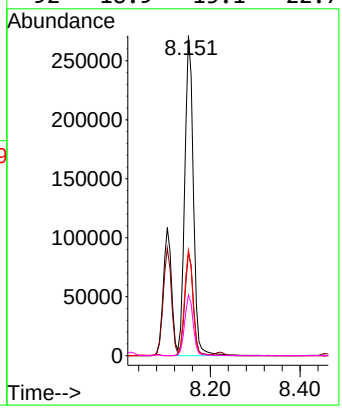


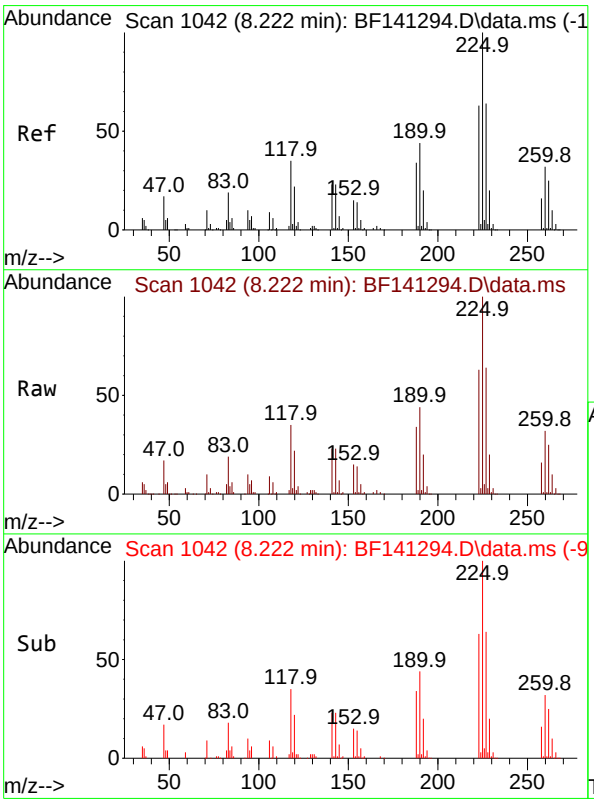
#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 361001

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	33.0	26.4	39.6
92	18.9	15.1	22.7

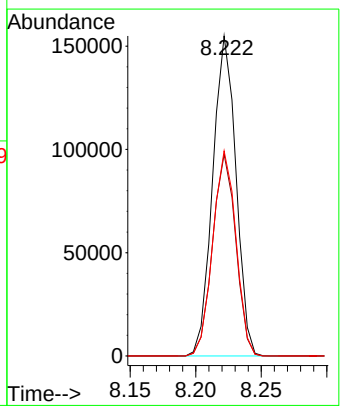


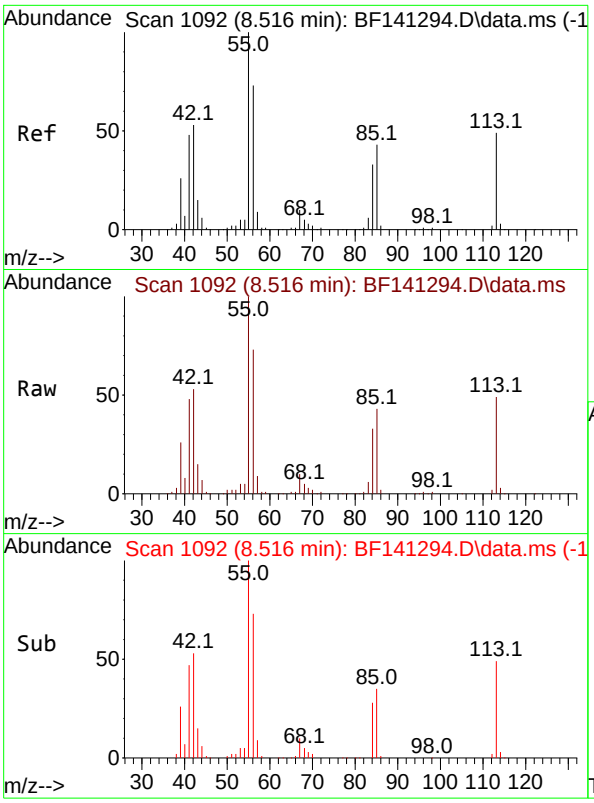


#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:225 Resp: 190772

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.1	51.3	76.9



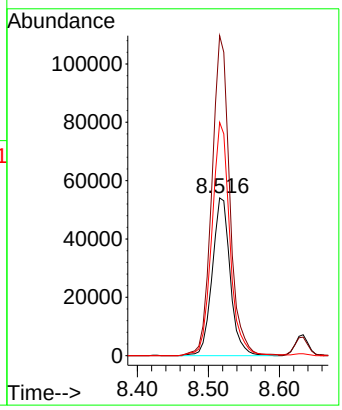


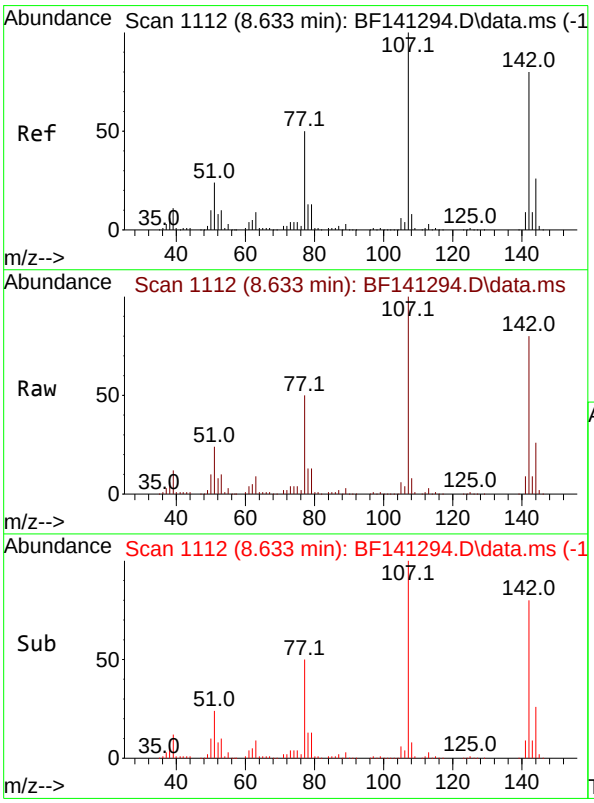
#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 94819

Ion	Ratio	Lower	Upper
113	100		
55	202.9	182.9	222.9
56	147.9	127.9	167.9

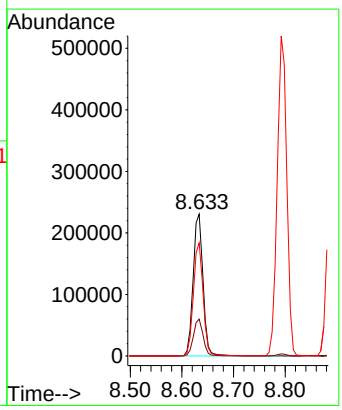


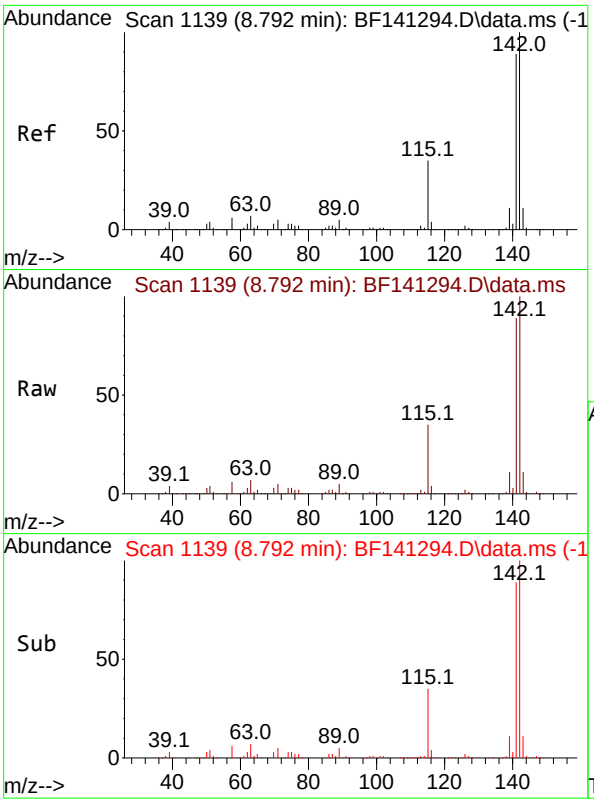


#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 305768

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.7	31.1
142	79.8	63.8	95.8



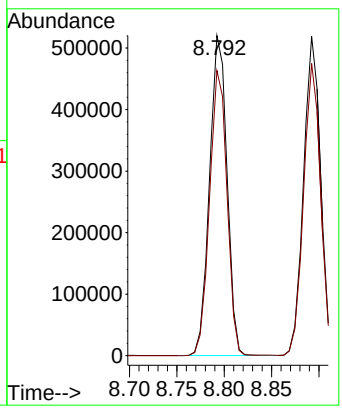


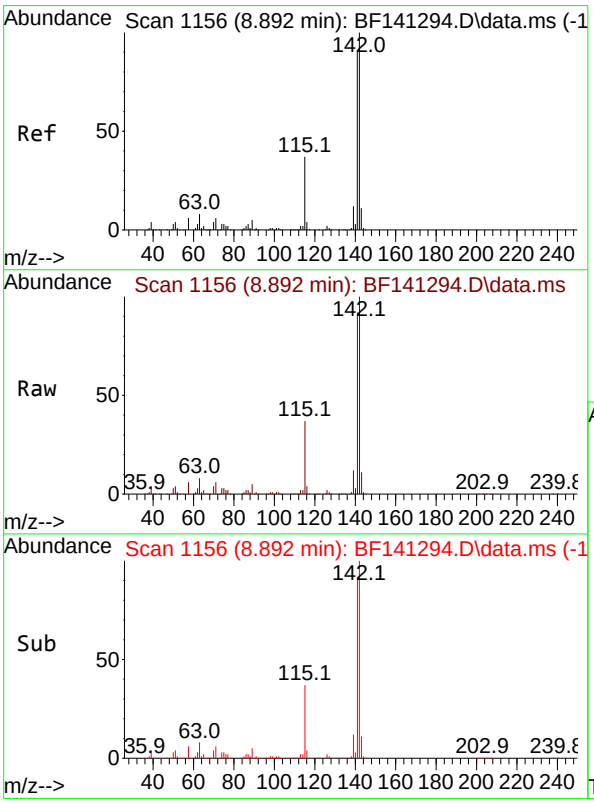
#37
2-Methylnaphthalene
Concen: 37.286 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

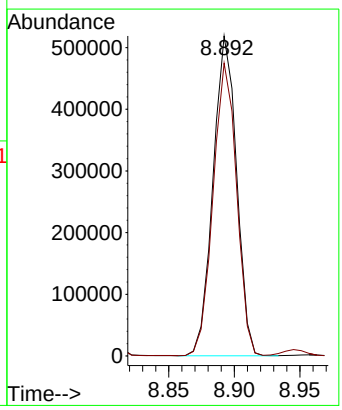


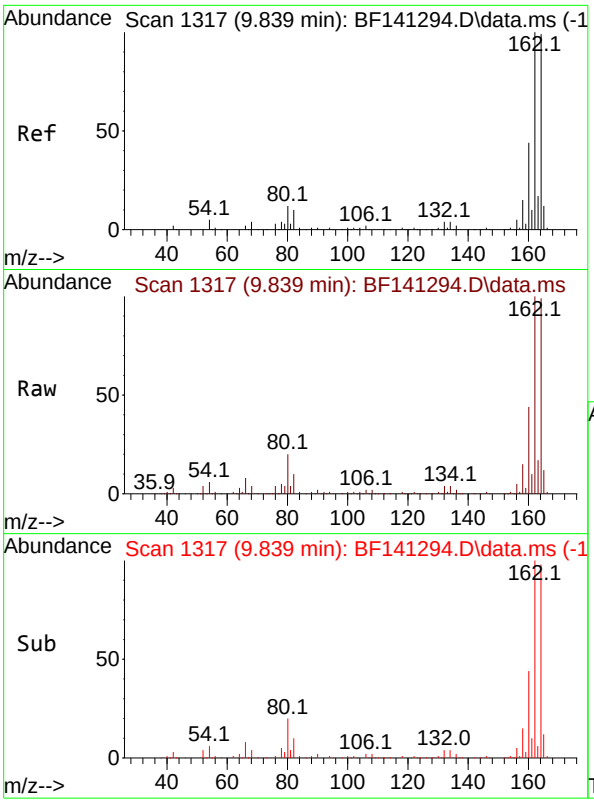


#38
1-Methylnaphthalene
Concen: 36.938 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:142 Resp: 646346

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8



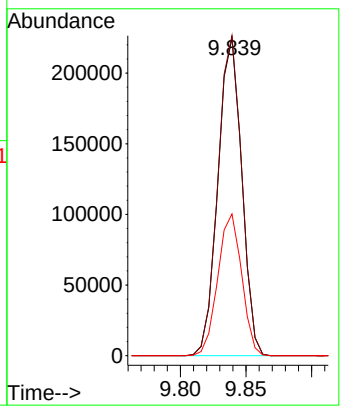


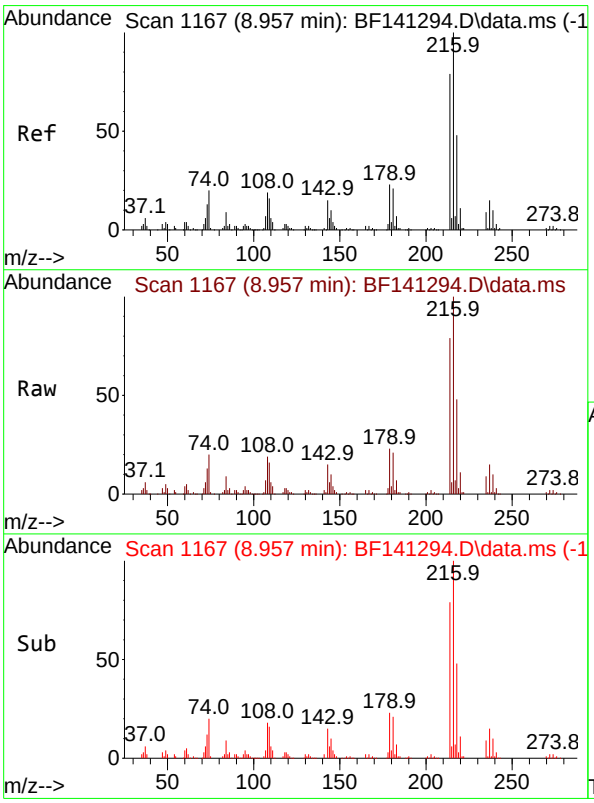
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 282995

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	44.7	35.8	53.6

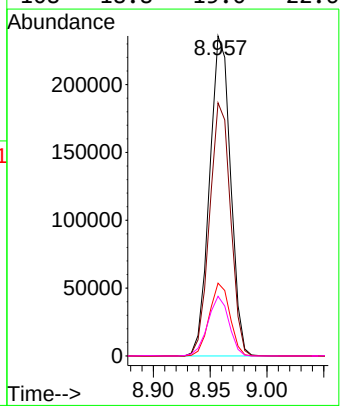


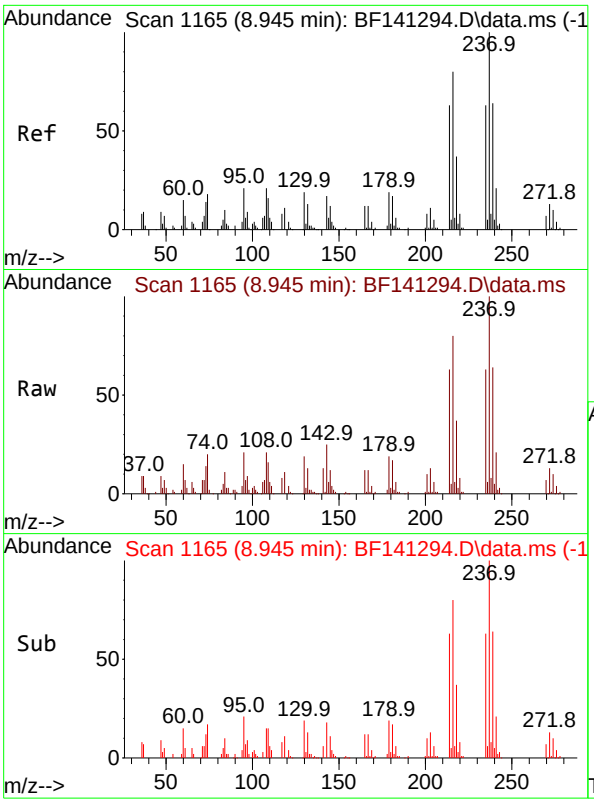


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.591 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.3	17.8	26.8
108	18.8	15.0	22.6



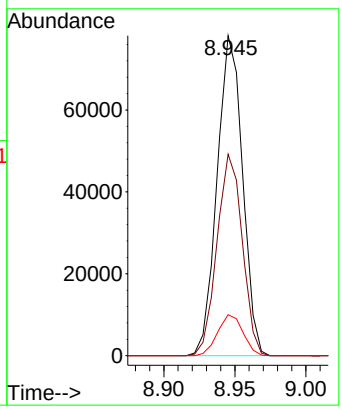


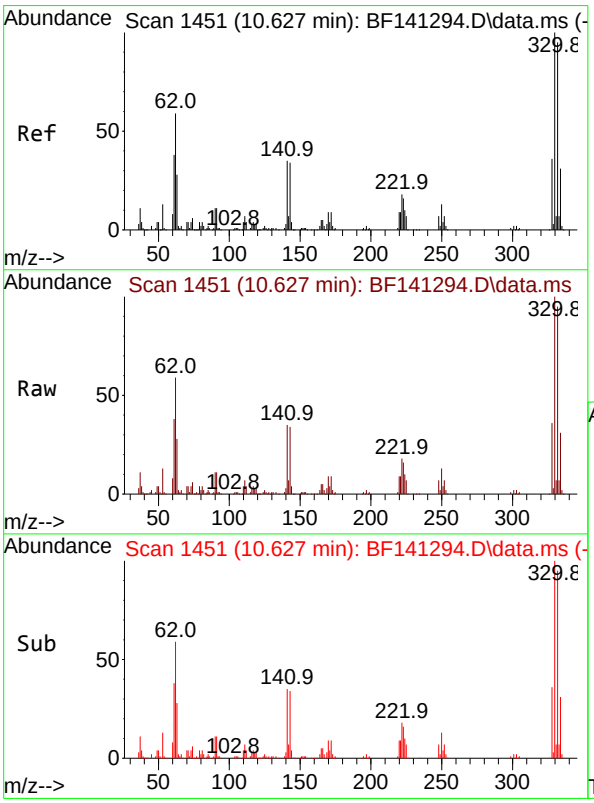
#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 97299

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.8	0.0	32.8

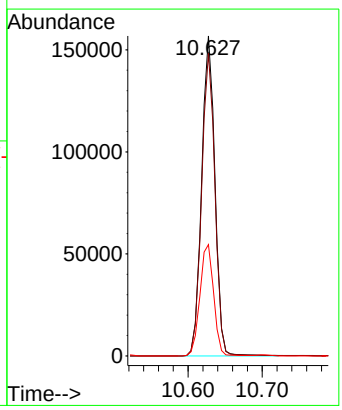


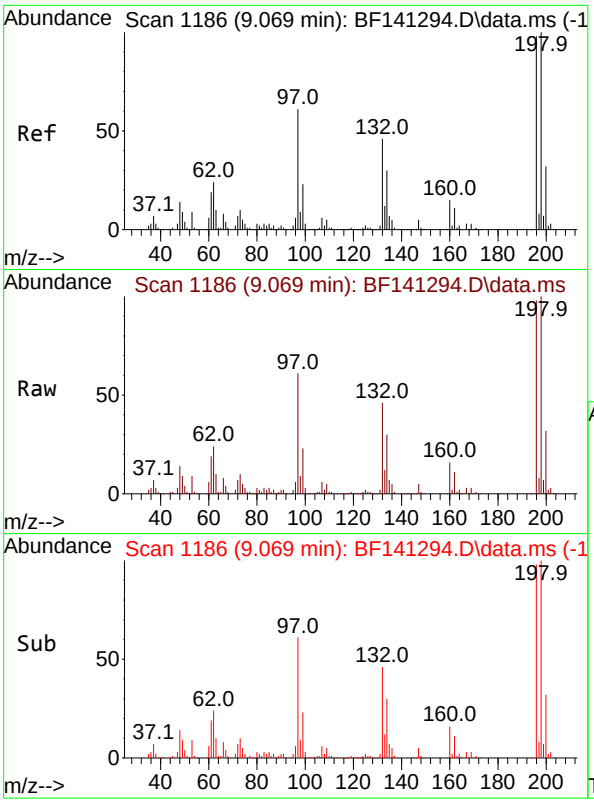


#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:330 Resp: 195693

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	36.0	28.8	43.2



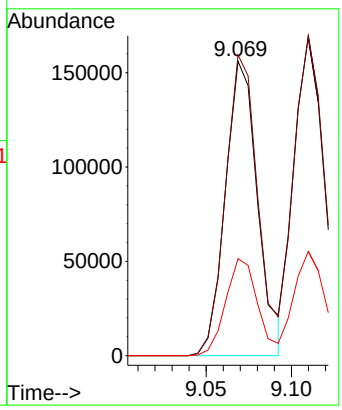


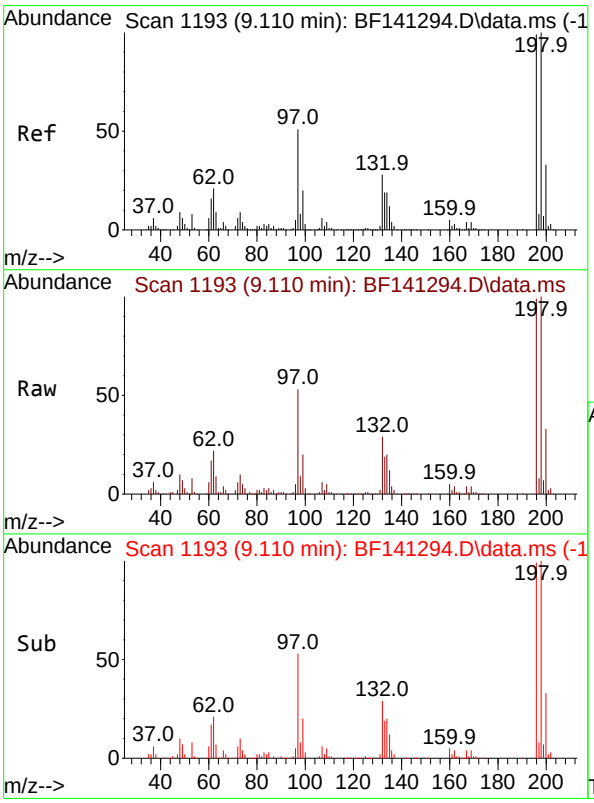
#43
2,4,6-Trichlorophenol
Concen: 39.181 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 205797

Ion	Ratio	Lower	Upper
196	100		
198	102.2	81.8	122.6
200	32.9	26.3	39.5

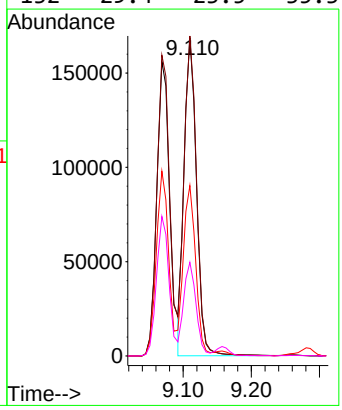


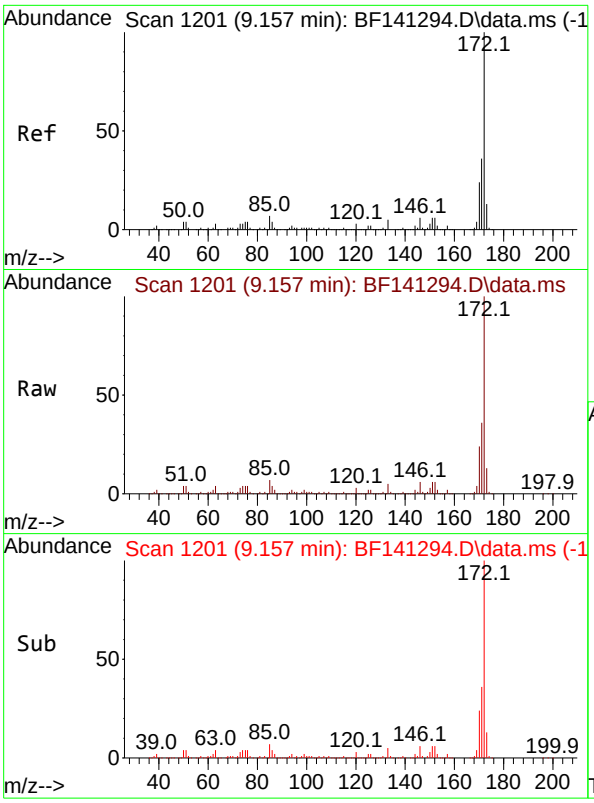


#44
2,4,5-Trichlorophenol
Concen: 37.346 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
97	53.5	42.8	64.2
132	29.4	23.5	35.3



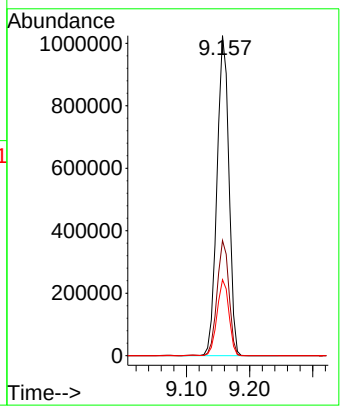


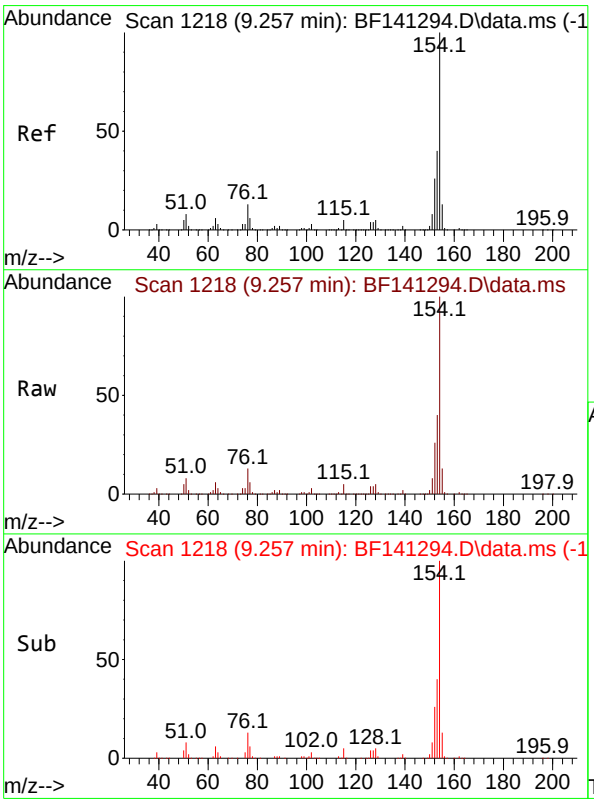
#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1339709

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.8	19.0	28.6

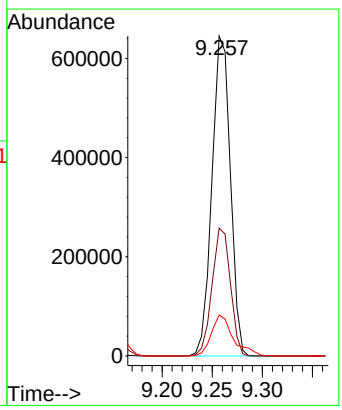


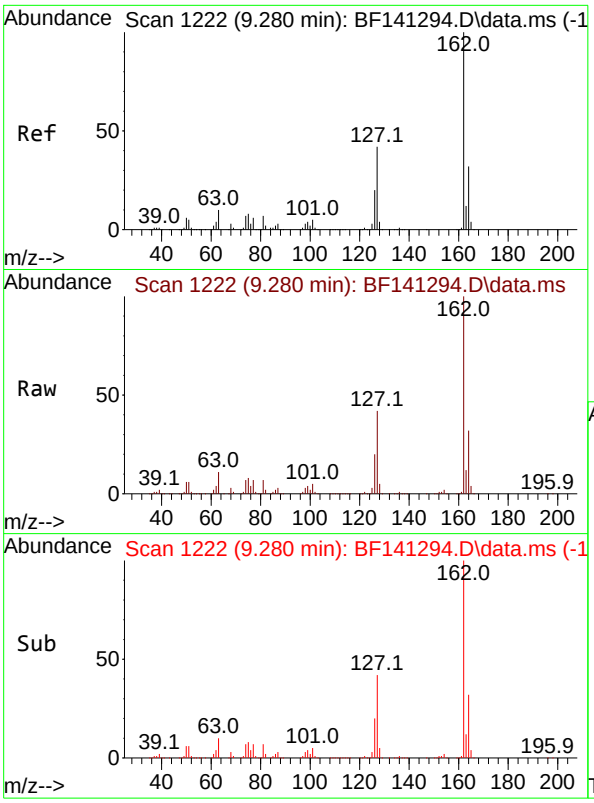


#46
1,1'-Biphenyl
Concen: 37.278 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 823004

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	12.8	0.0	32.8



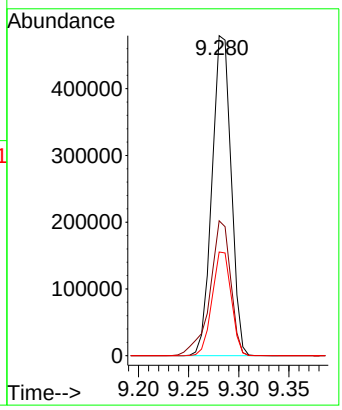


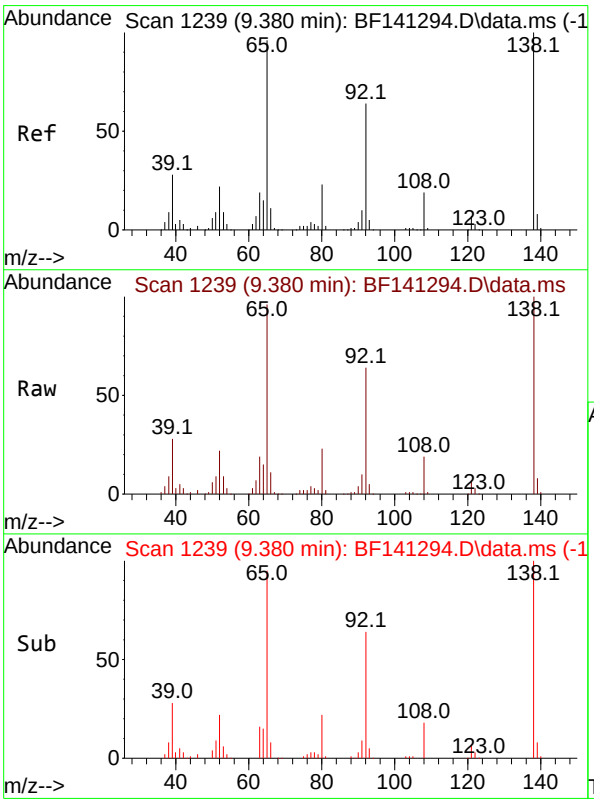
#47
2-Chloronaphthalene
Concen: 37.020 ng
RT: 9.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 634814

Ion	Ratio	Lower	Upper
162	100		
127	42.1	33.7	50.5
164	32.4	25.9	38.9

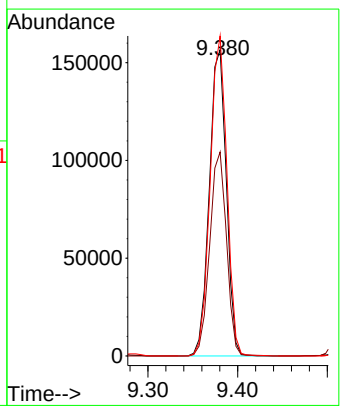


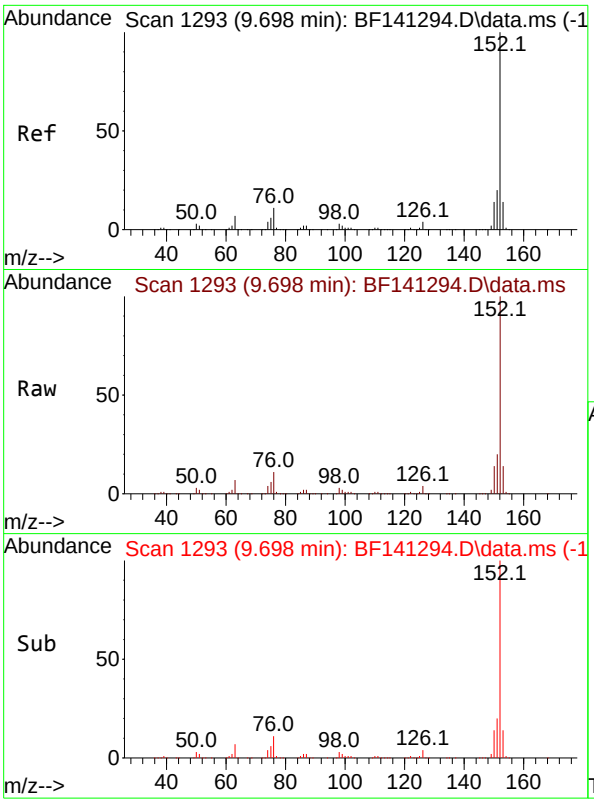


#48
2-Nitroaniline
Concen: 38.089 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 65 Resp: 205997

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	104.5	83.6	125.4



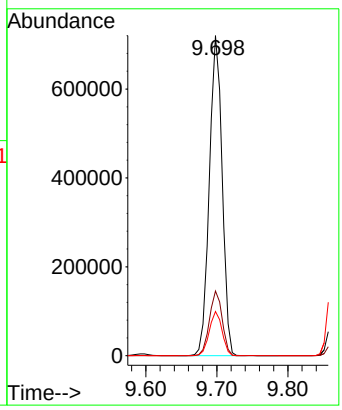


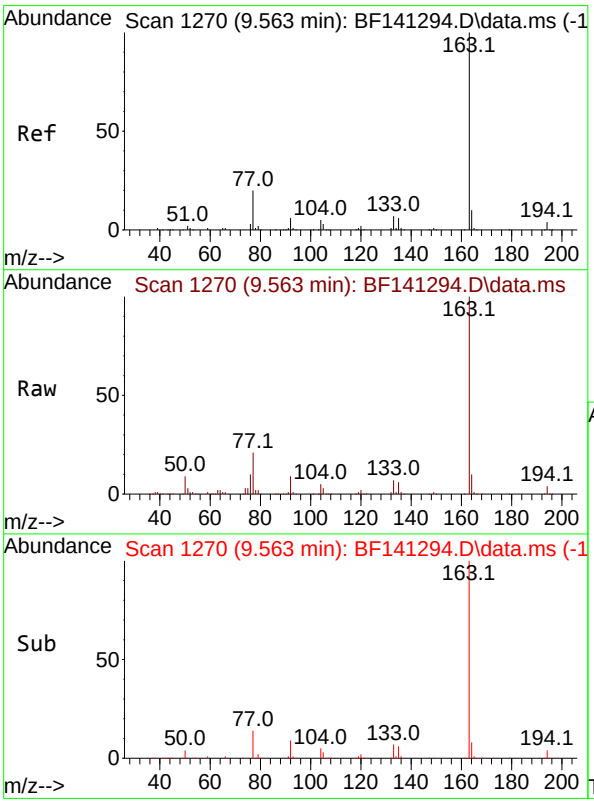
#49
Acenaphthylene
Concen: 37.483 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 902715

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.8	11.0	16.6

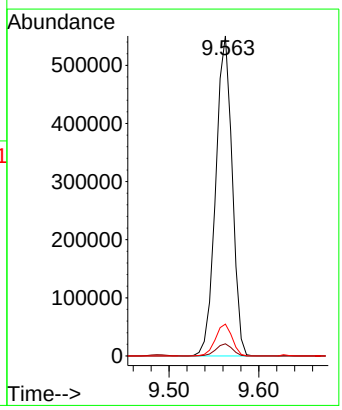


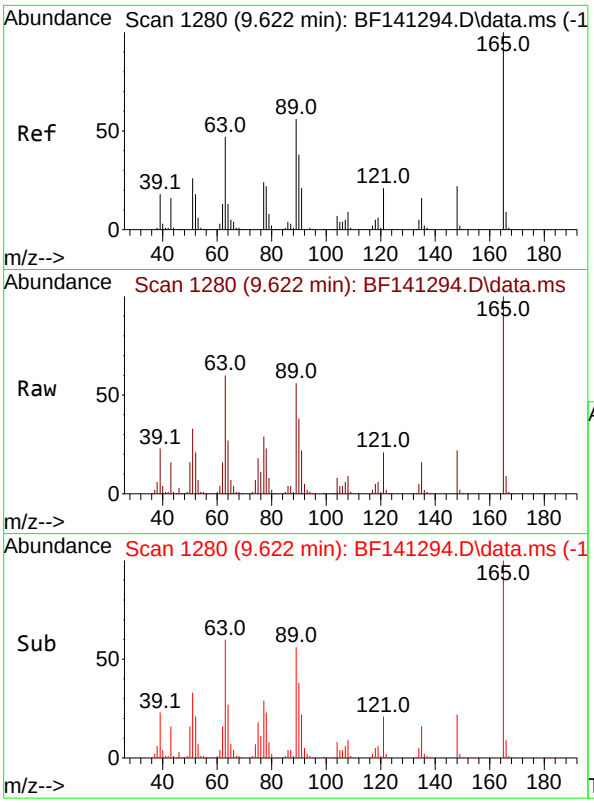


#50
Dimethylphthalate
Concen: 36.945 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:163 Resp: 701107

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



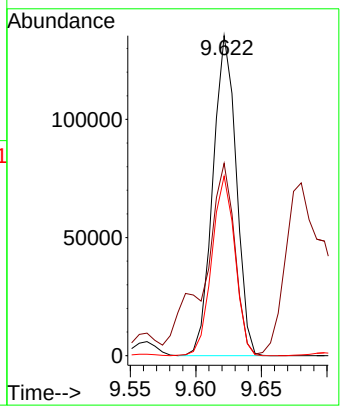


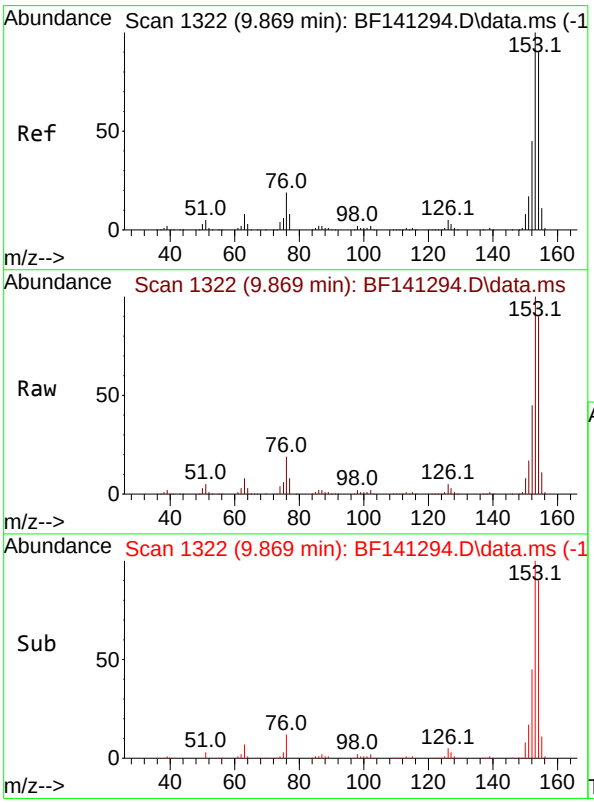
#51
2,6-Dinitrotoluene
Concen: 37.909 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 167409

Ion	Ratio	Lower	Upper
165	100		
63	60.1	48.1	72.1
89	56.1	44.9	67.3

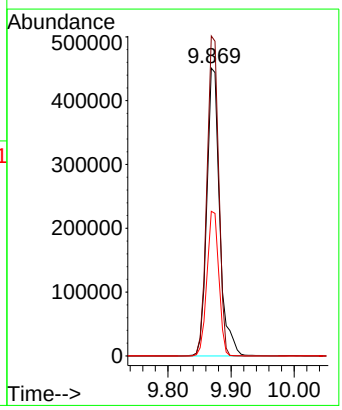


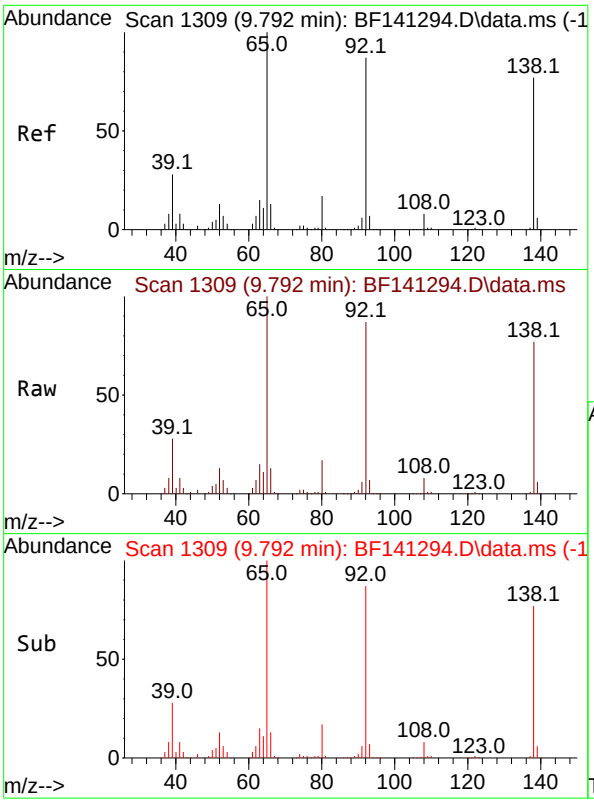


#52
Acenaphthene
Concen: 37.266 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 638597

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	50.3	40.2	60.4



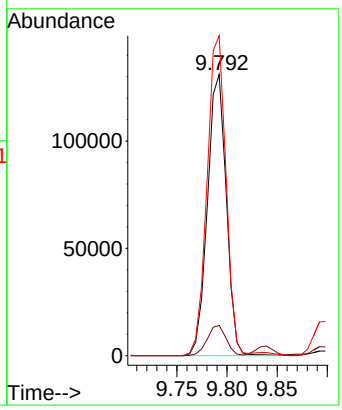


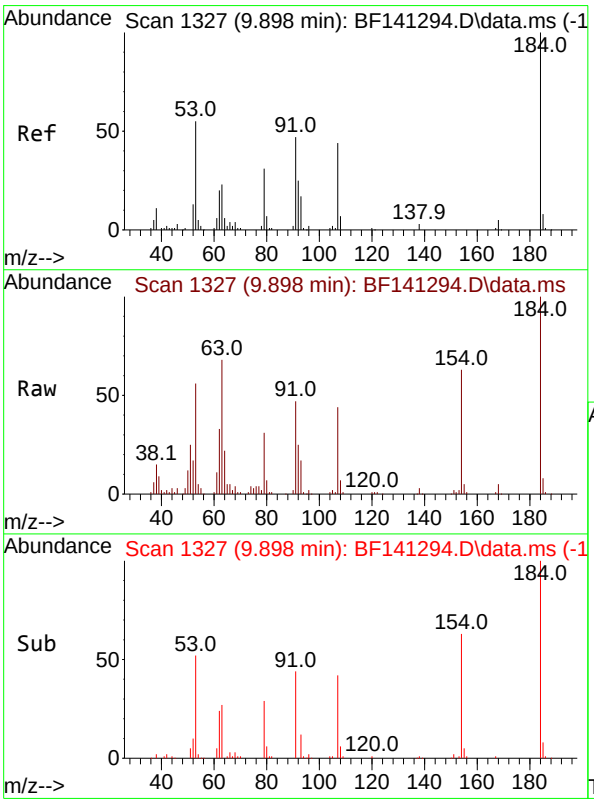
#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 171409

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	113.8	91.0	136.6

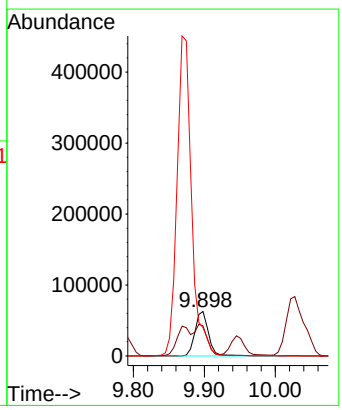


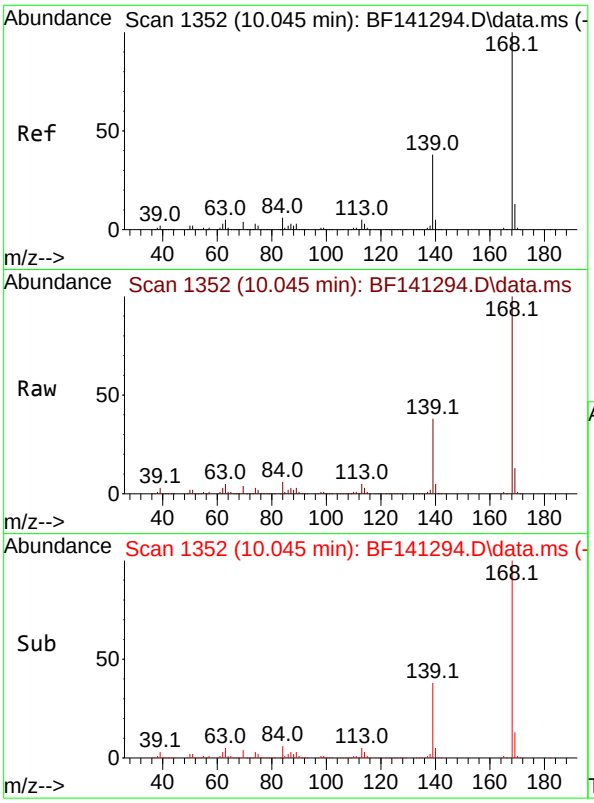


#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282

Ion	Ratio	Lower	Upper
184	100		
63	67.6	54.1	81.1
154	63.4	50.7	76.1



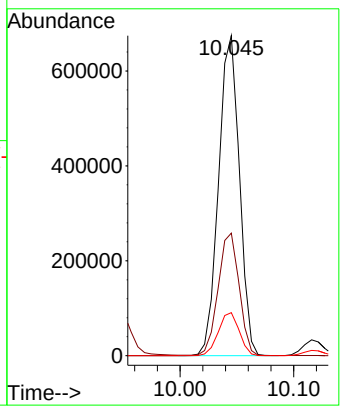


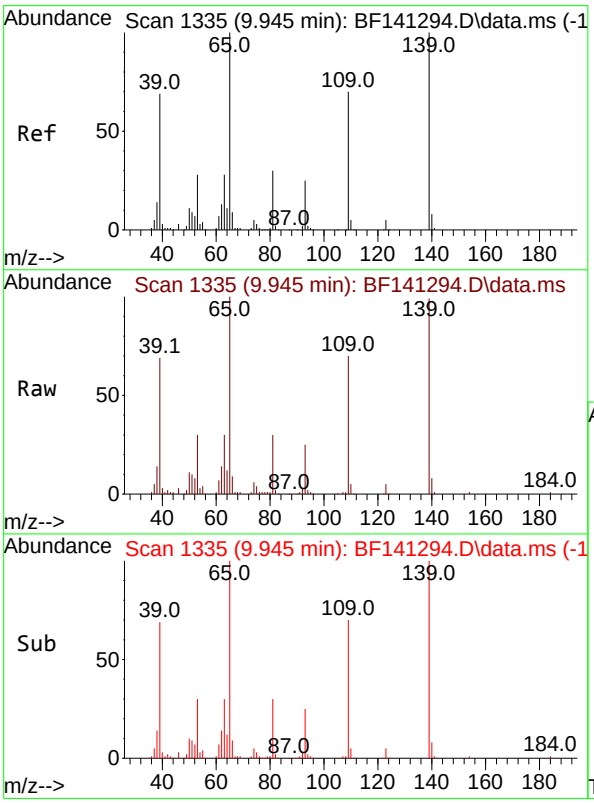
#55
Dibenzofuran
Concen: 37.490 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 859175

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.6	46.0
169	13.5	10.8	16.2

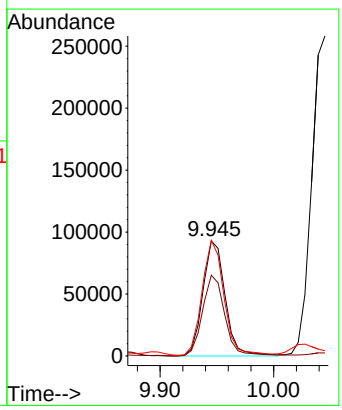


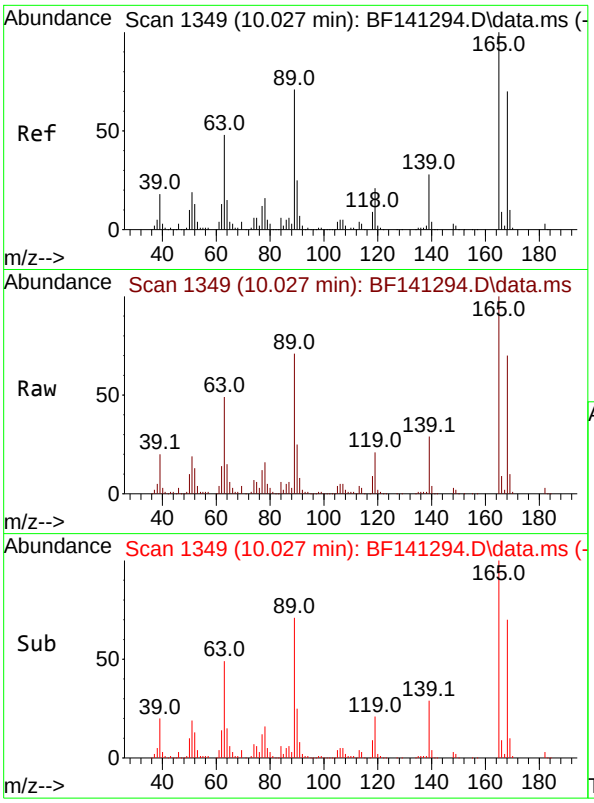


#56
4-Nitrophenol
Concen: 40.349 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 126536

Ion	Ratio	Lower	Upper
139	100		
109	70.2	50.2	90.2
65	100.6	80.6	120.6



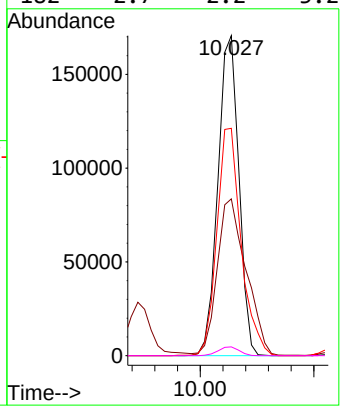


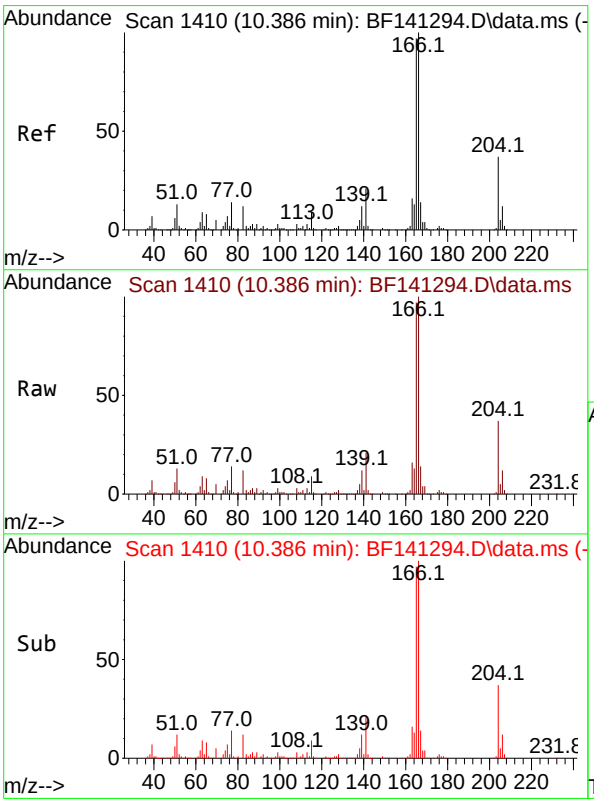
#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 218627

Ion	Ratio	Lower	Upper
165	100		
63	49.0	39.2	58.8
89	71.1	56.9	85.3
182	2.7	2.2	3.2

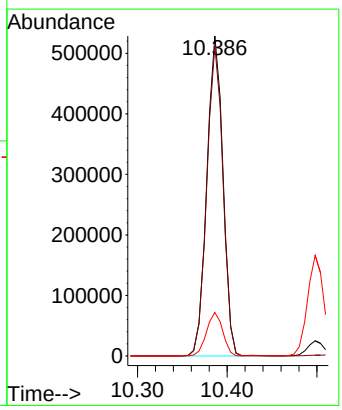


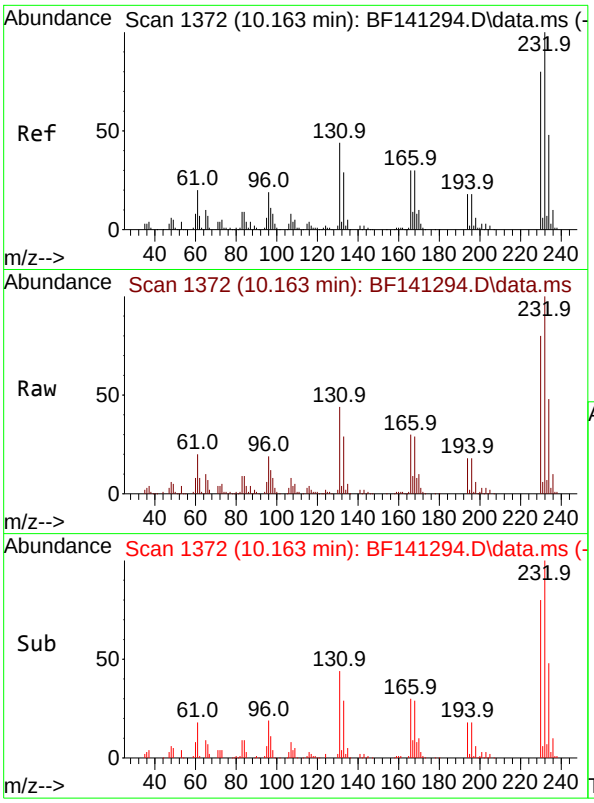


#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3



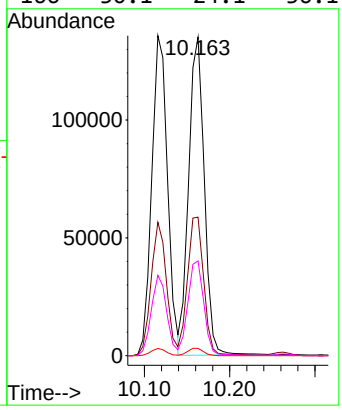


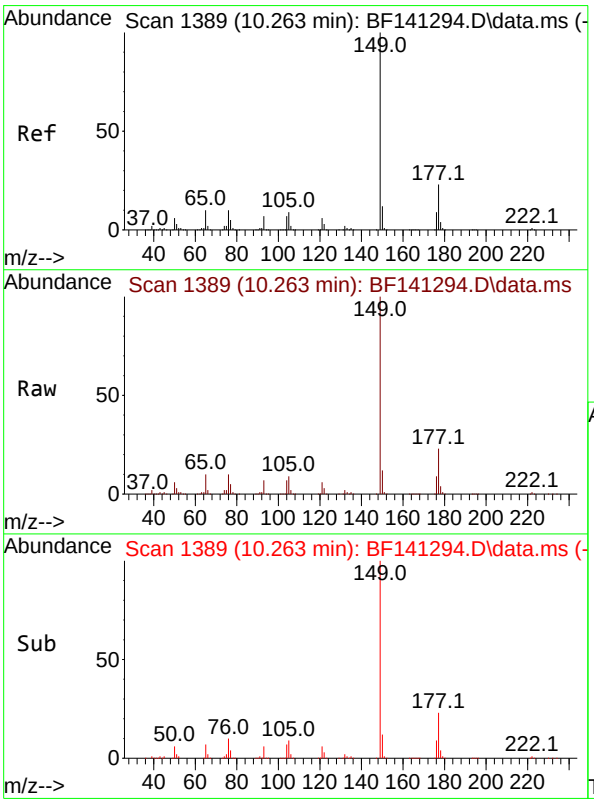
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 172174

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.4	54.6
130	2.4	1.9	2.9
166	30.1	24.1	36.1

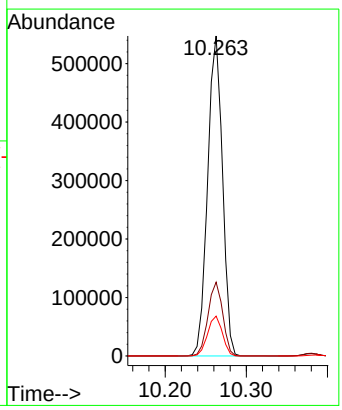


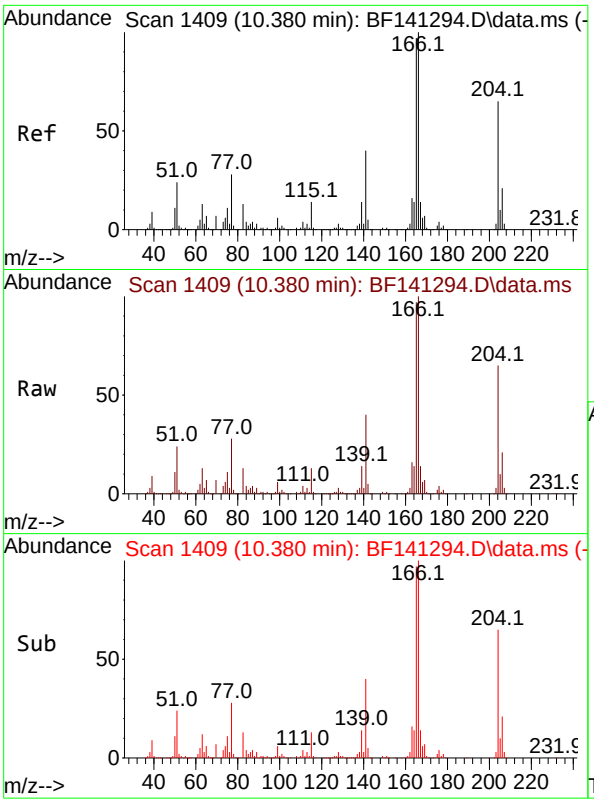


#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.5	27.7
150	12.5	10.0	15.0



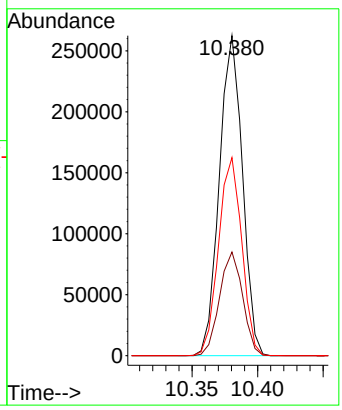


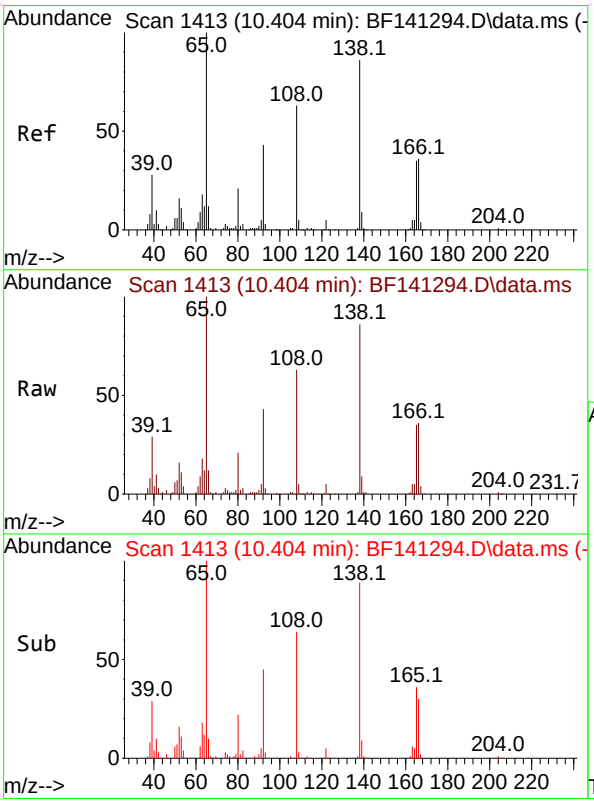
#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 321112

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	61.9	49.5	74.3

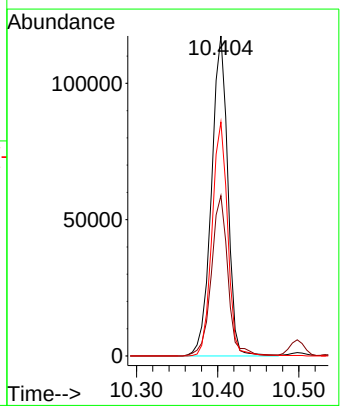


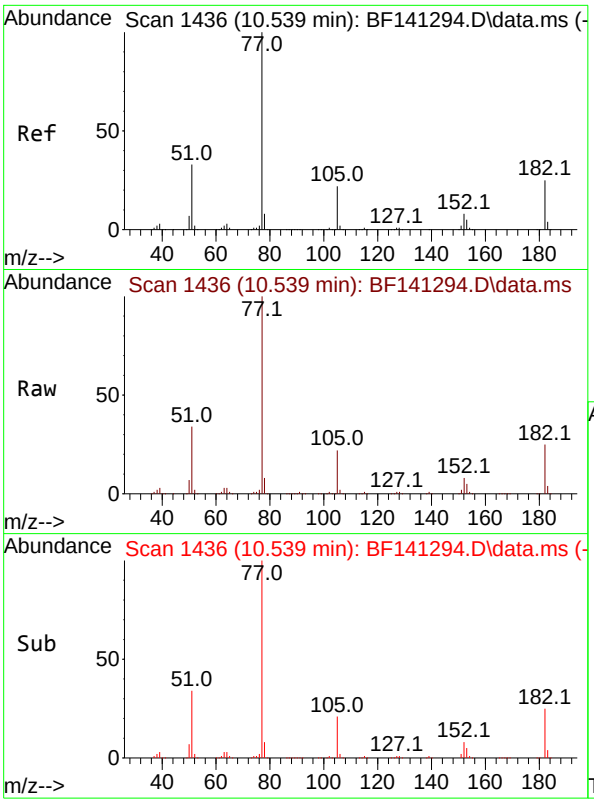


#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154

Ion	Ratio	Lower	Upper
138	100		
92	50.1	30.1	70.1
108	73.1	53.1	93.1



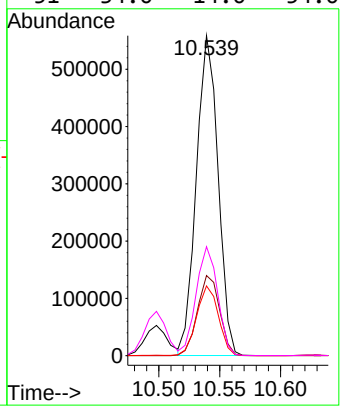


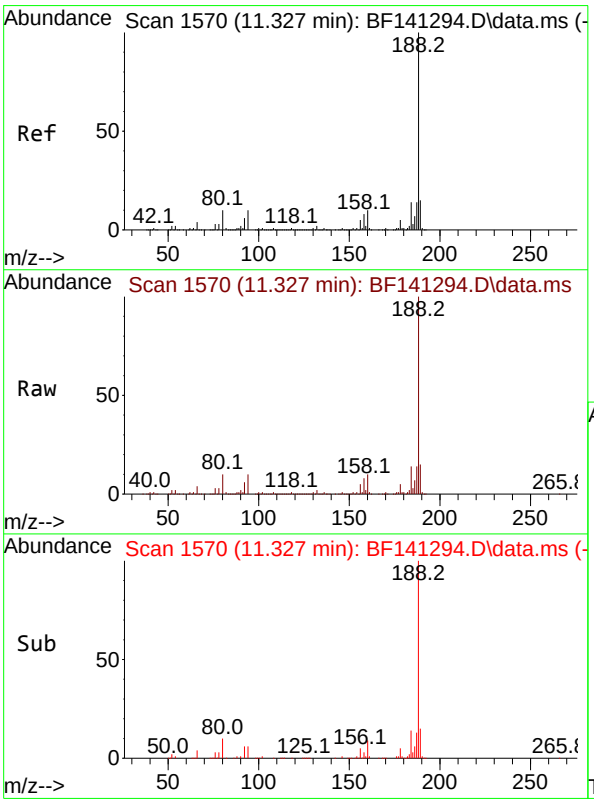
#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 693050

Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0

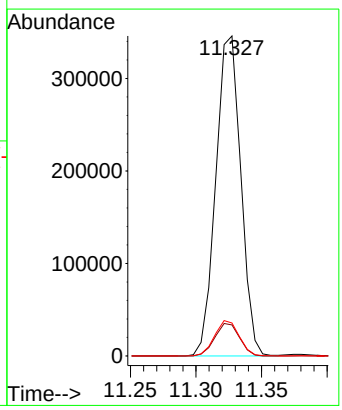


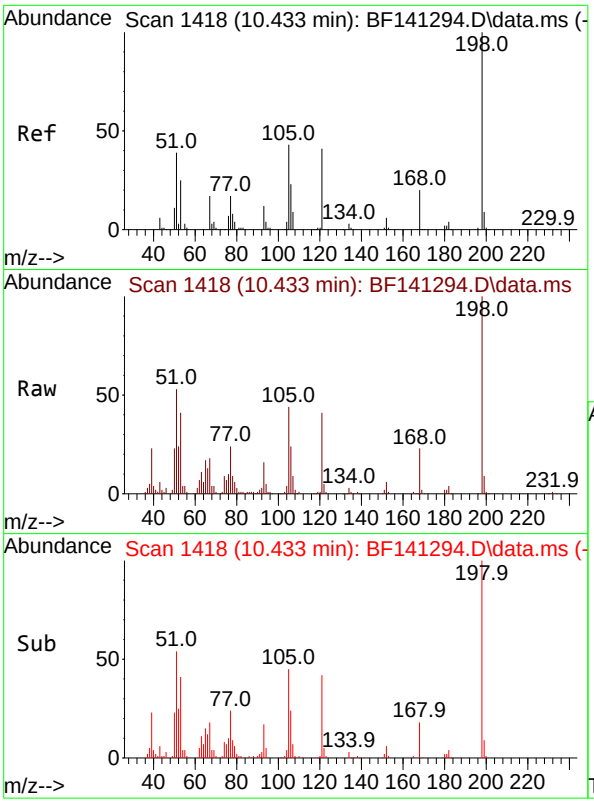


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:188 Resp: 458392

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4



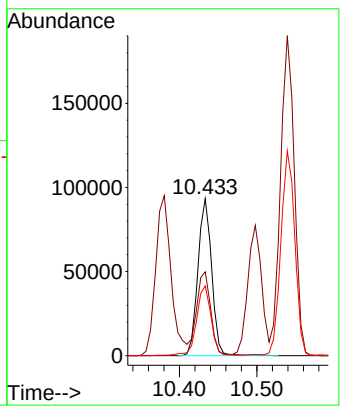


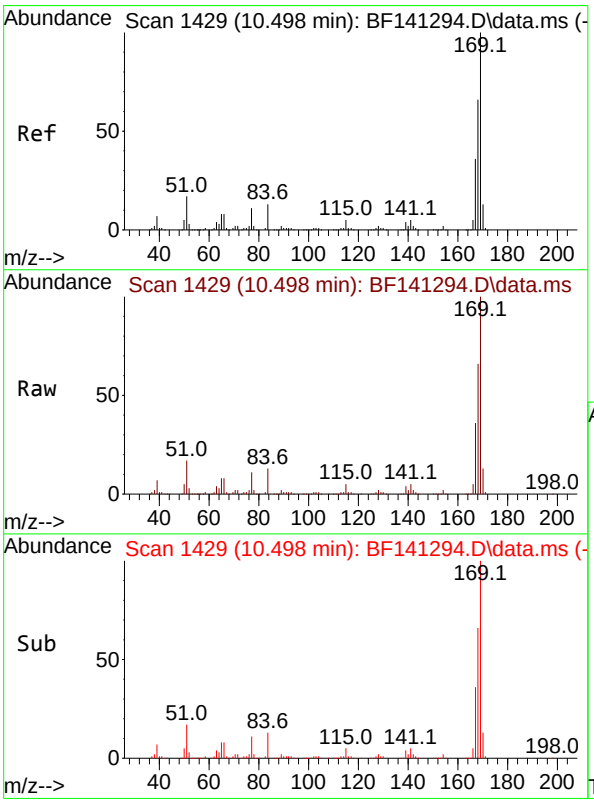
#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 114735

Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.4	73.4
105	44.4	24.4	64.4

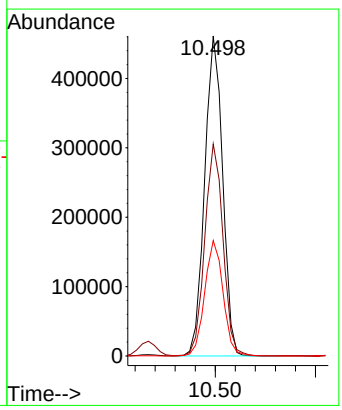


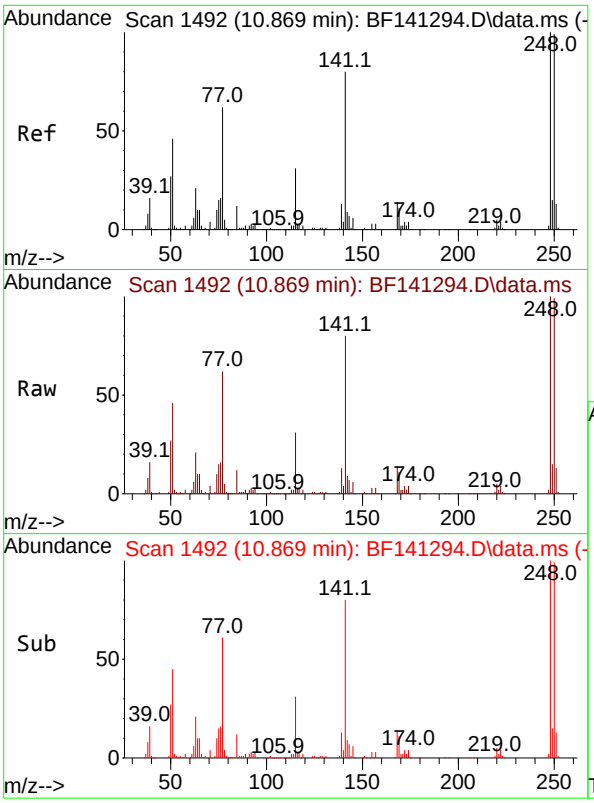


#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:169 Resp: 573712

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.0	28.8	43.2



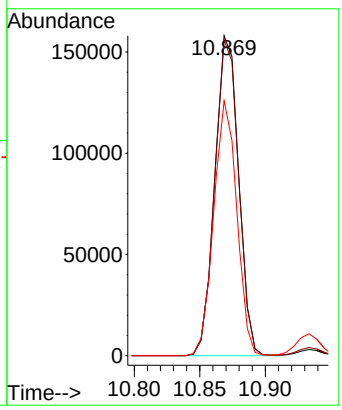


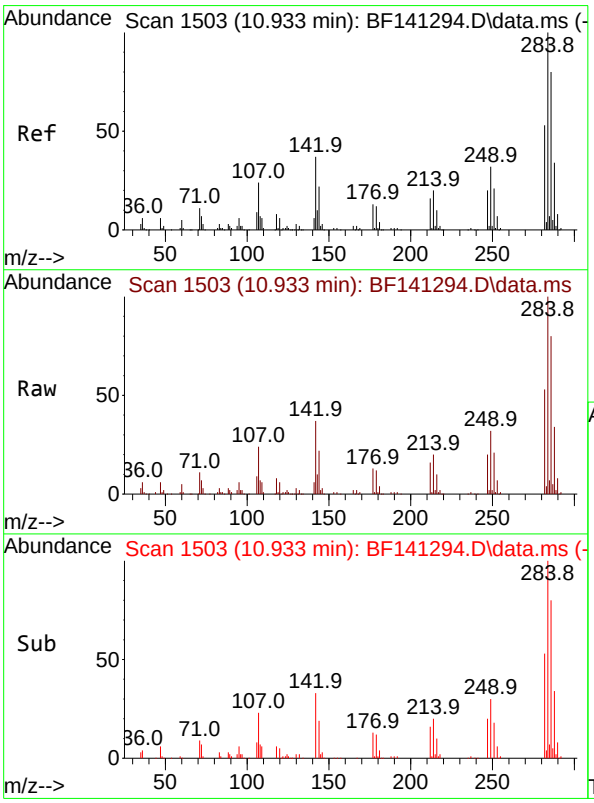
#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 198895

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	79.6	63.7	95.5

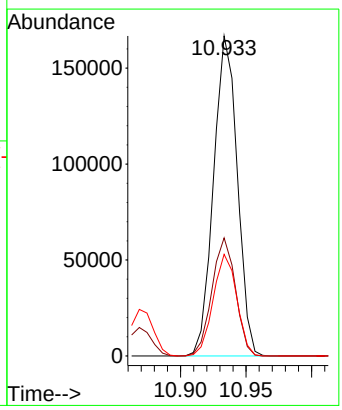


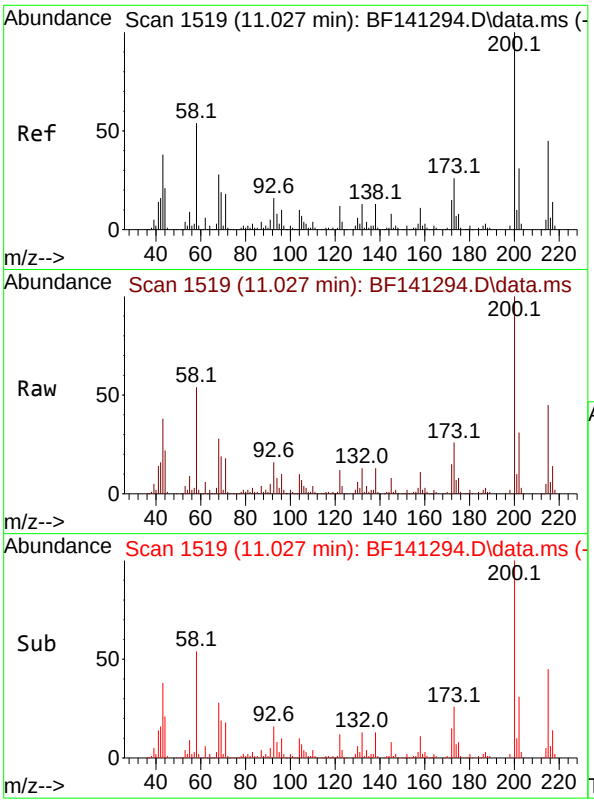


#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	31.8	25.4	38.2



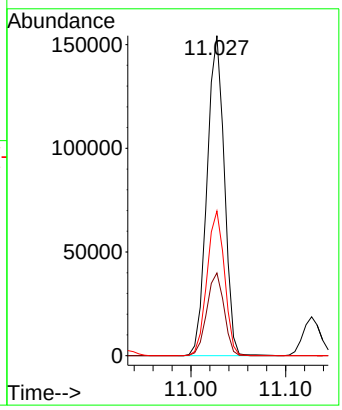


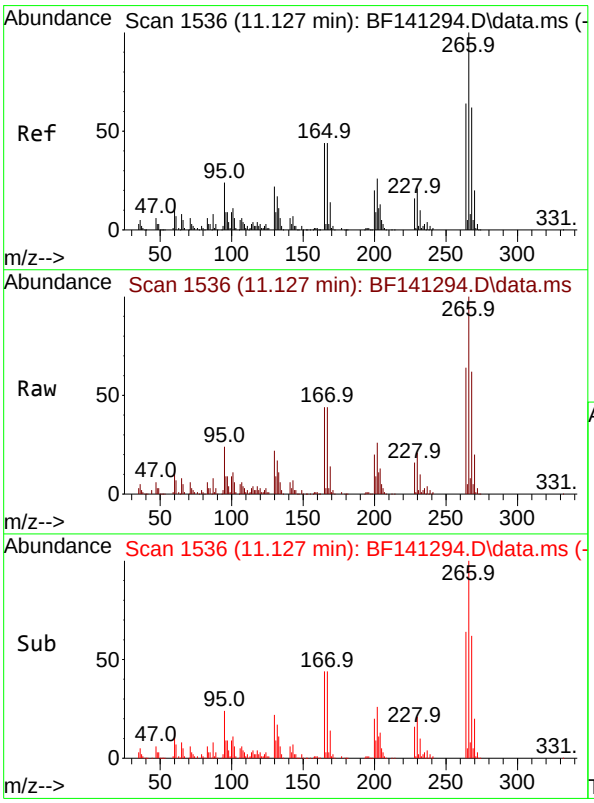
#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 195062

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	45.2	25.2	65.2

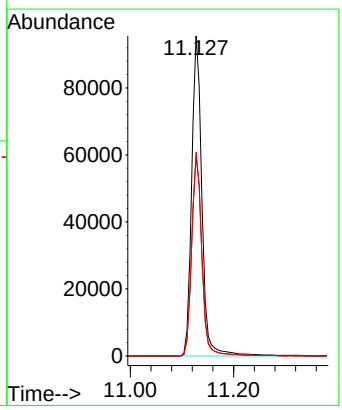


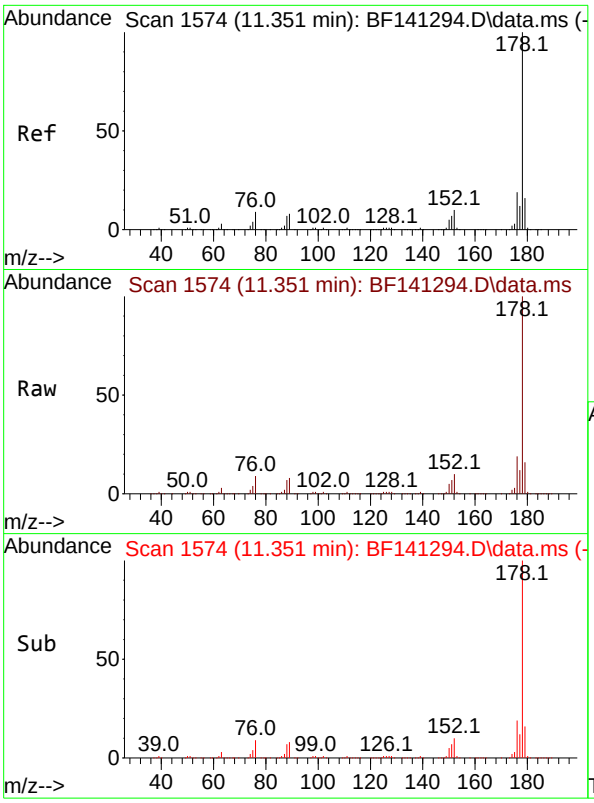


#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295

Ion	Ratio	Lower	Upper
266	100		
268	62.4	49.9	74.9
264	63.7	51.0	76.4



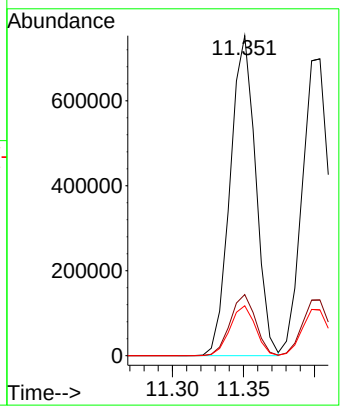


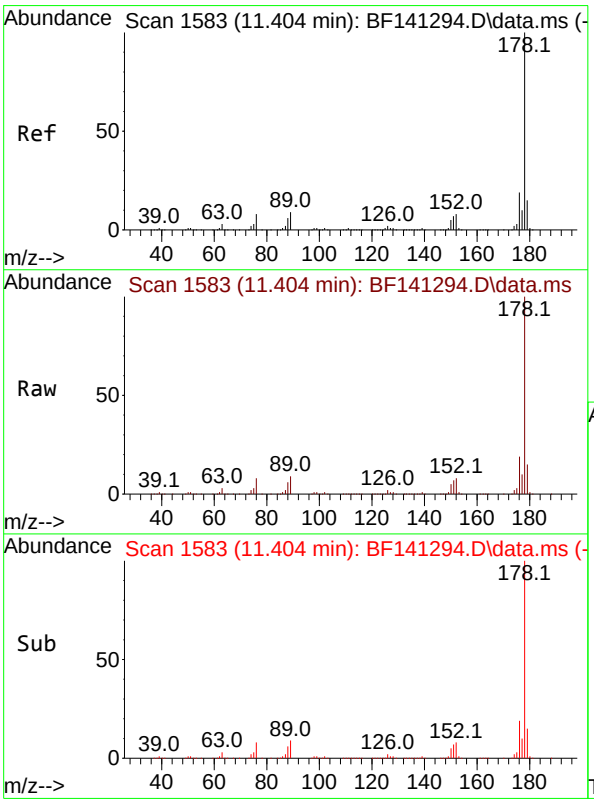
#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 940021

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7

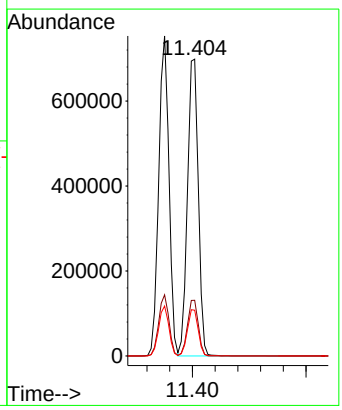


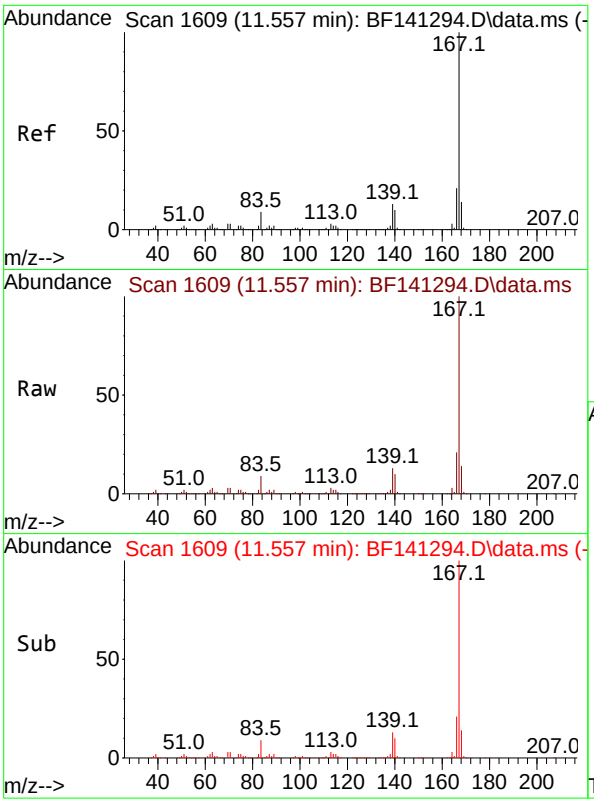


#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.3	18.5



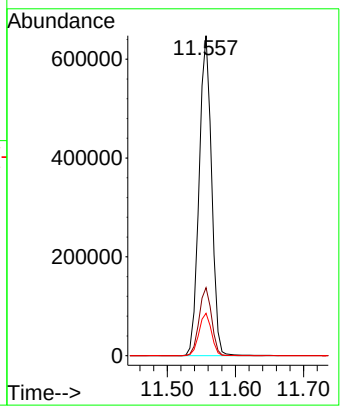


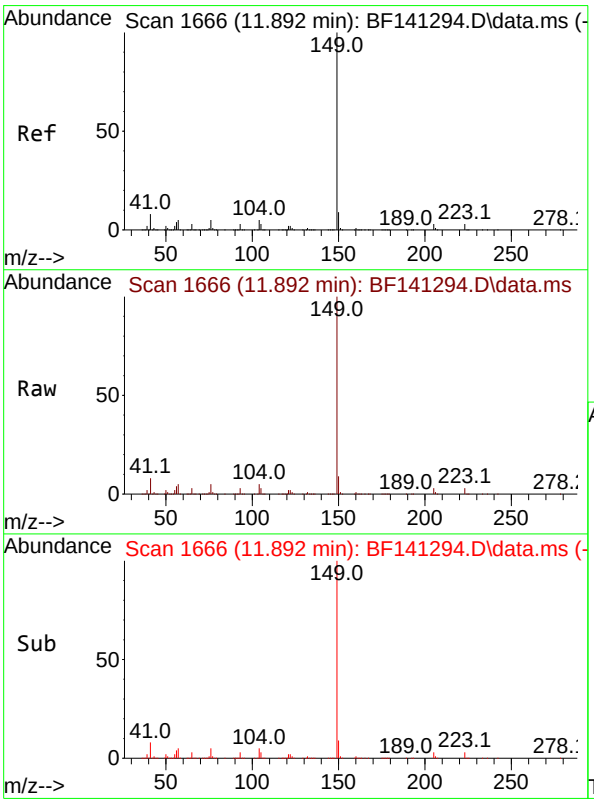
#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 824095

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0

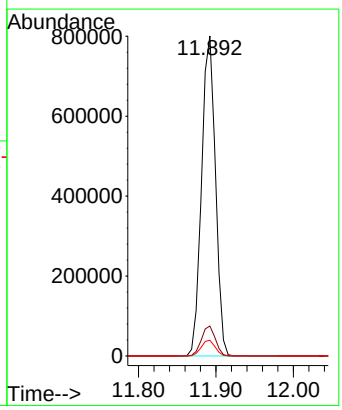


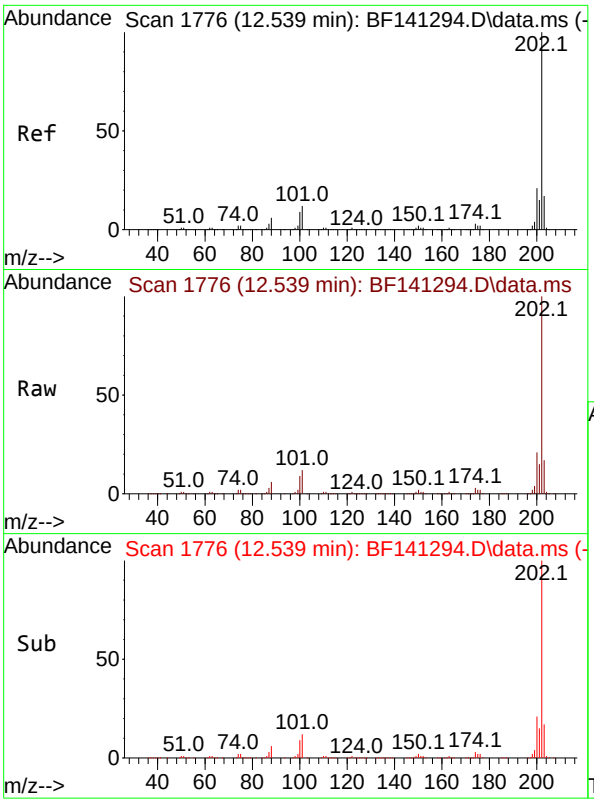


#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 995172

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



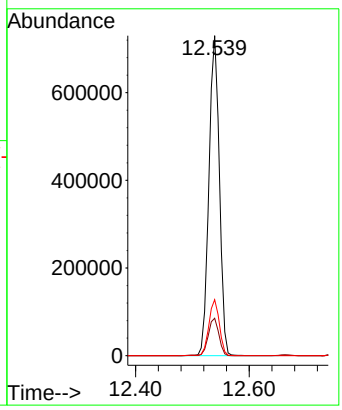


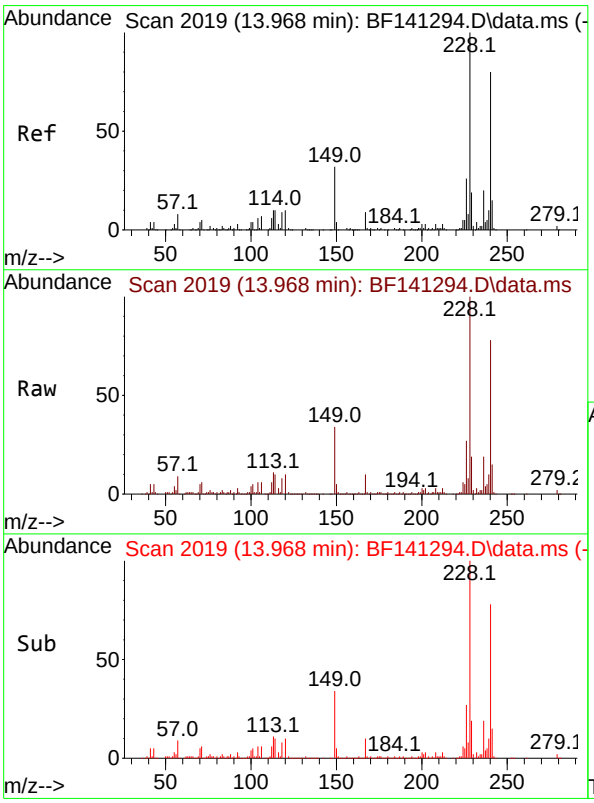
#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 928946

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5

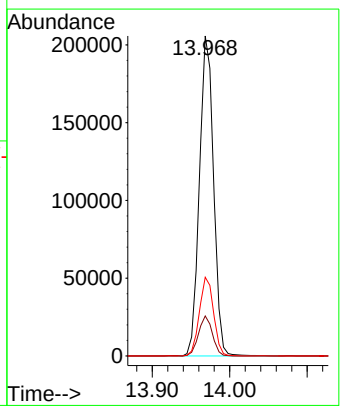


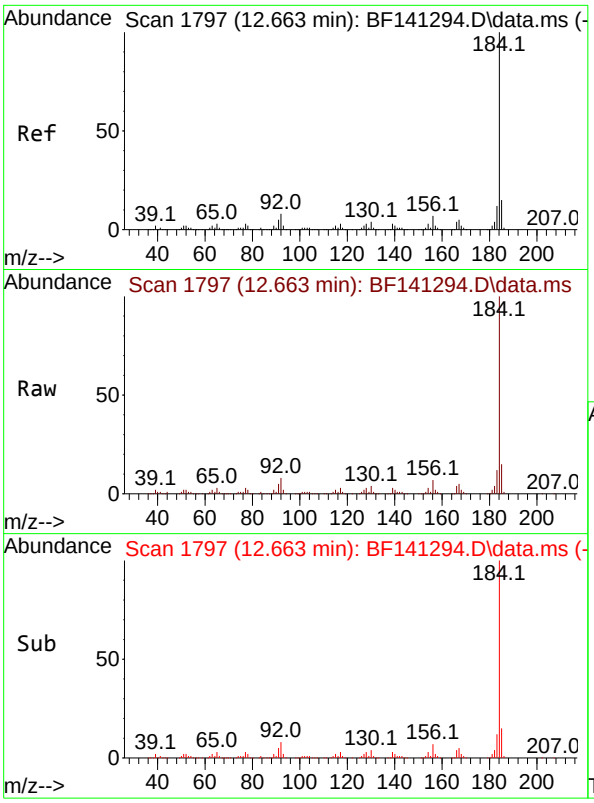


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:240 Resp: 260600

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5



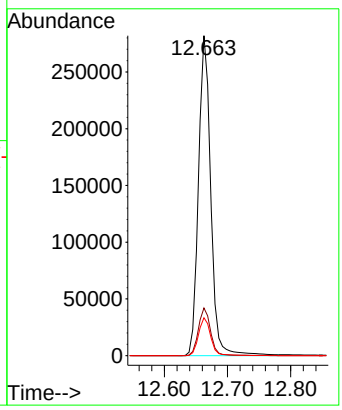


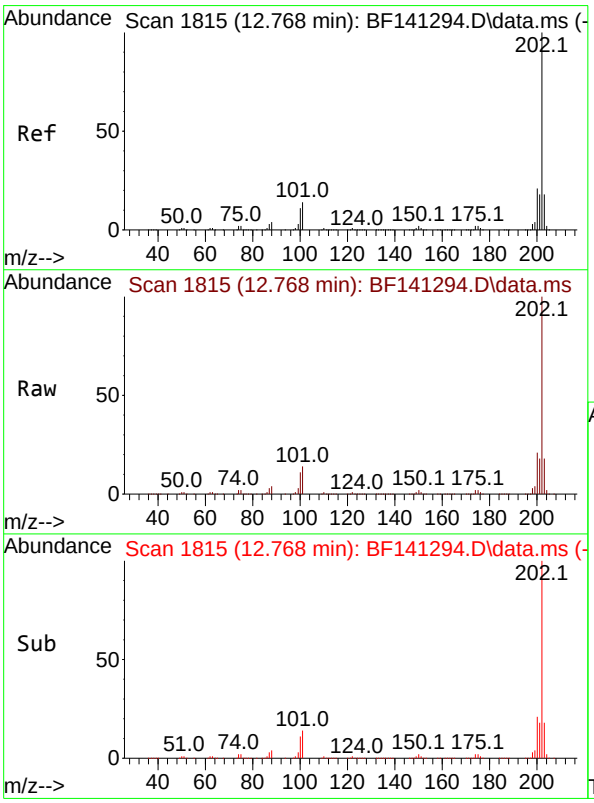
#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 380623

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.9	9.5	14.3

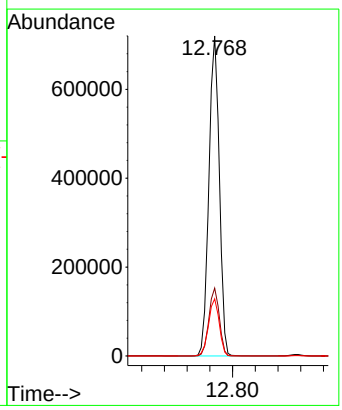


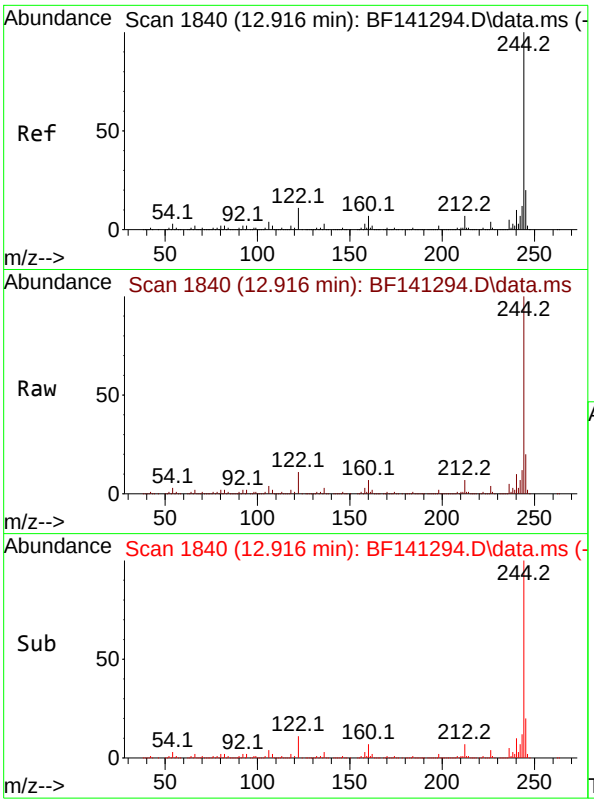


#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:202 Resp: 914205

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



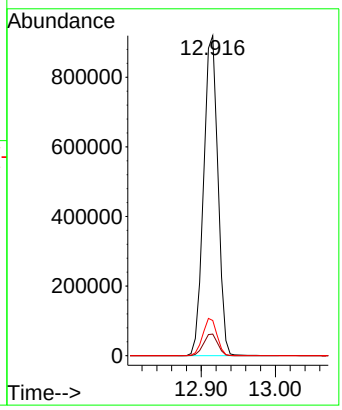


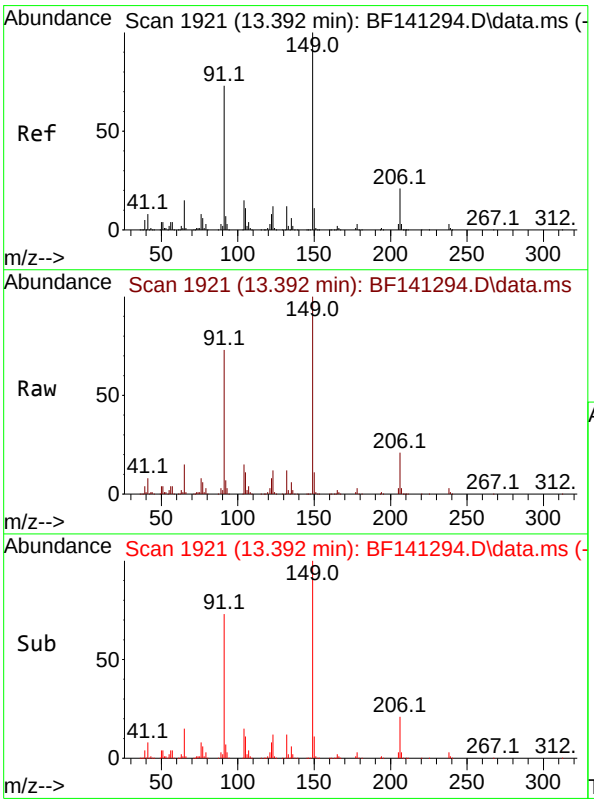
#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1232977

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	8.8	13.2

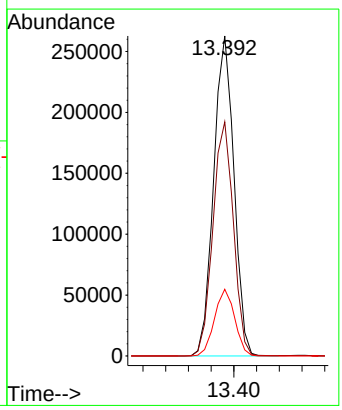


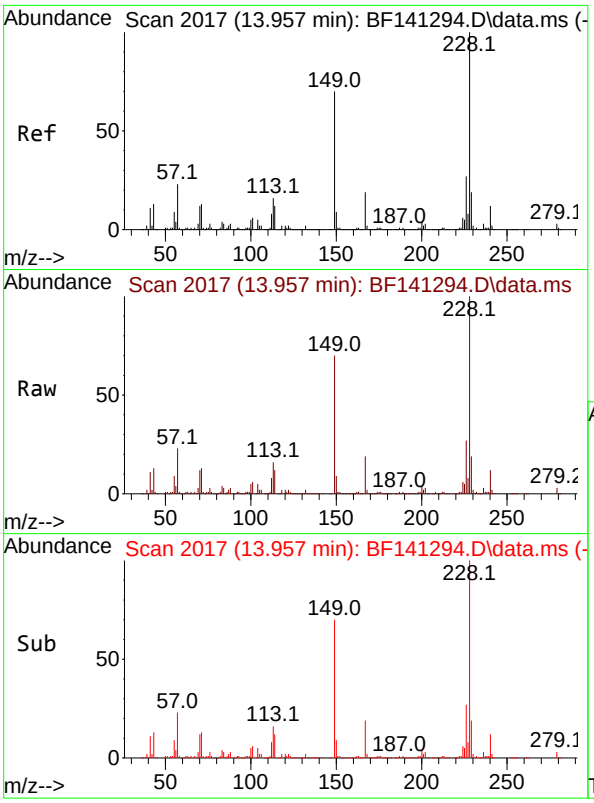


#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158

Ion	Ratio	Lower	Upper
149	100		
91	73.2	58.6	87.8
206	20.9	16.7	25.1



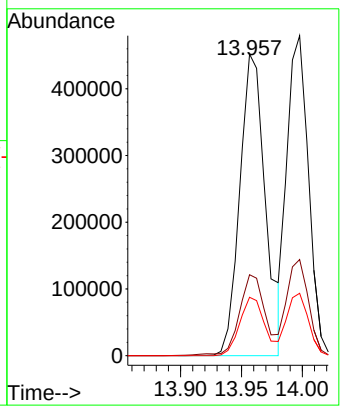


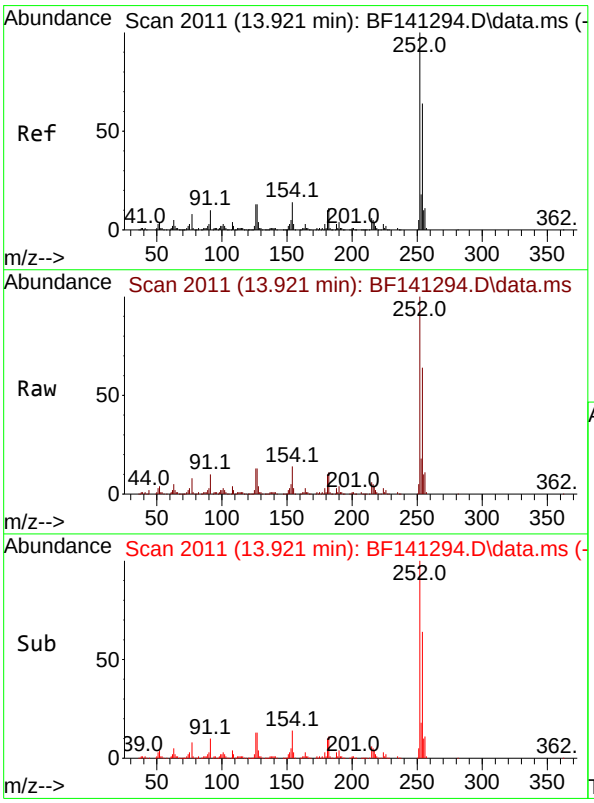
#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 661997

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.4	15.5	23.3

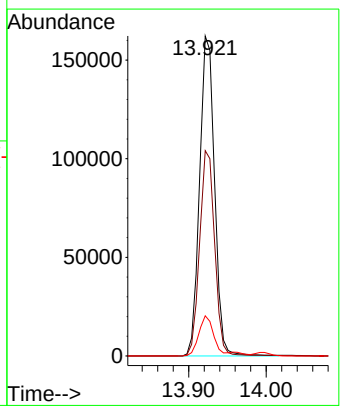


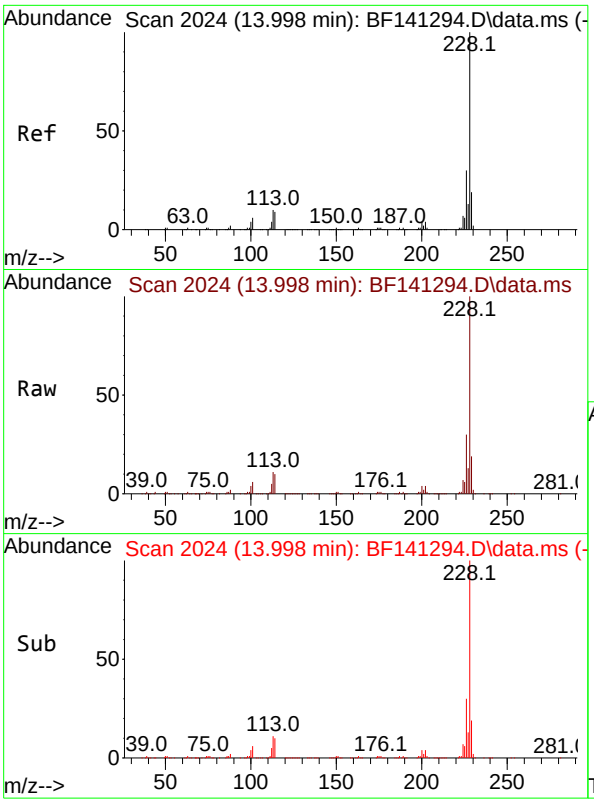


#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	12.5	10.0	15.0



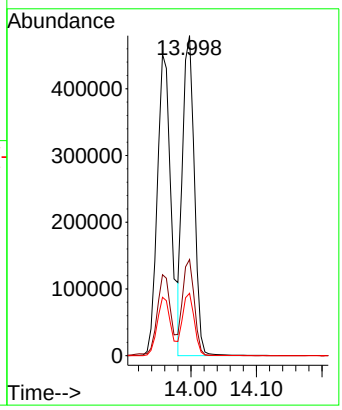


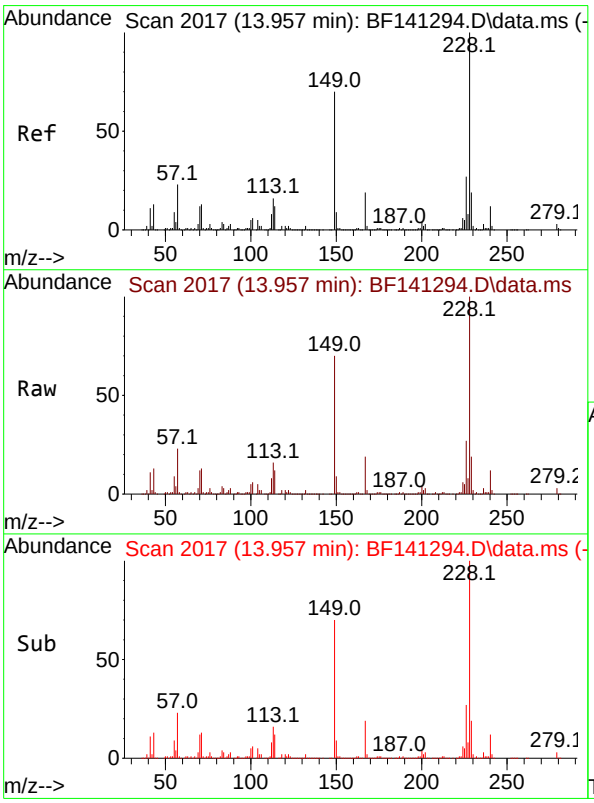
#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 591939

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.6	23.4

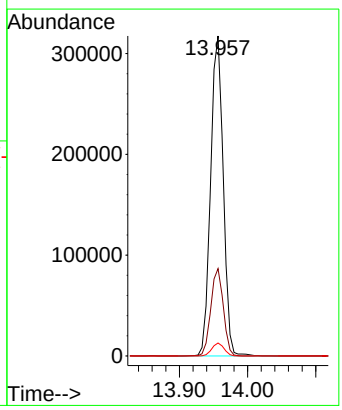


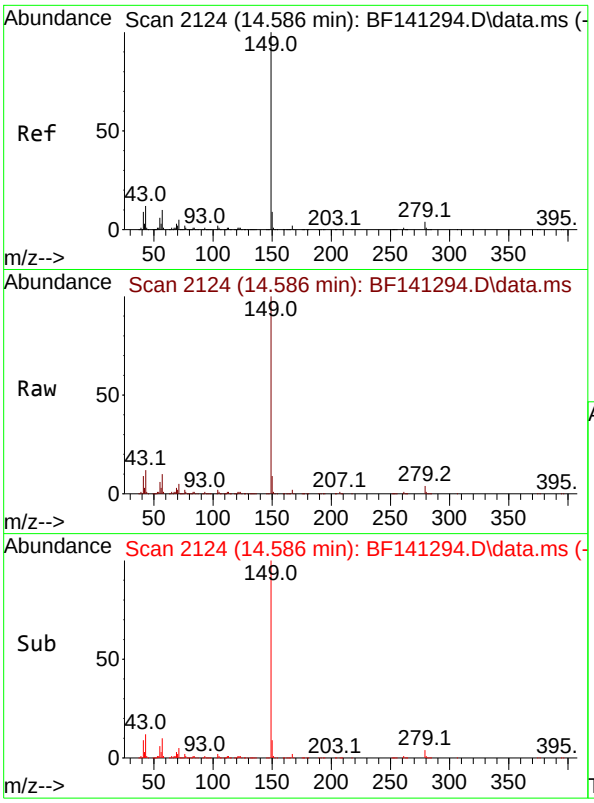


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 409365

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.1	3.3	4.9



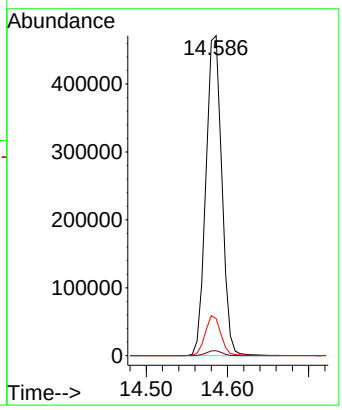


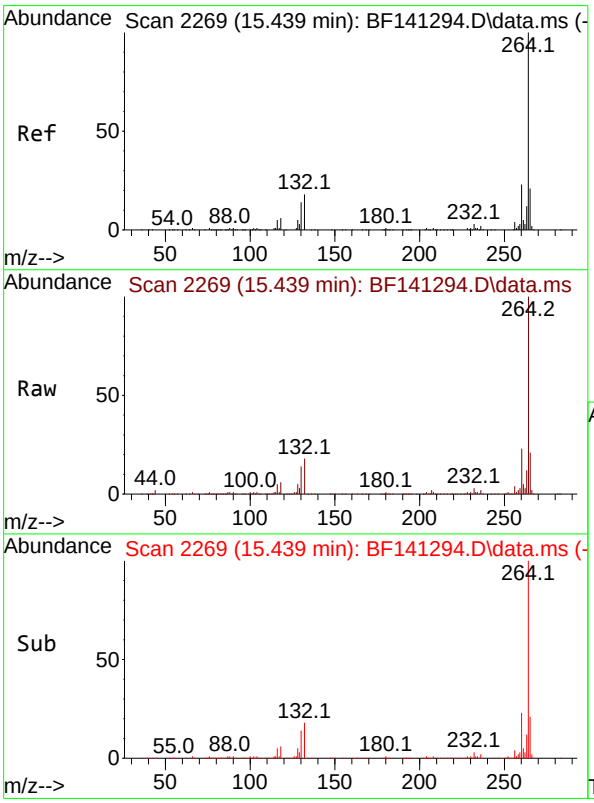
#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 640977

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	9.8	14.8

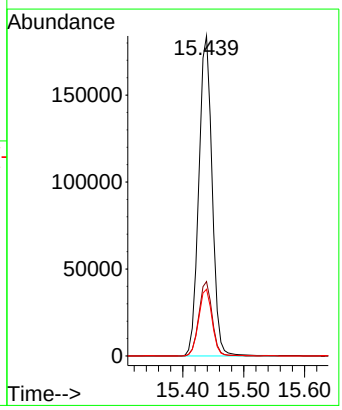


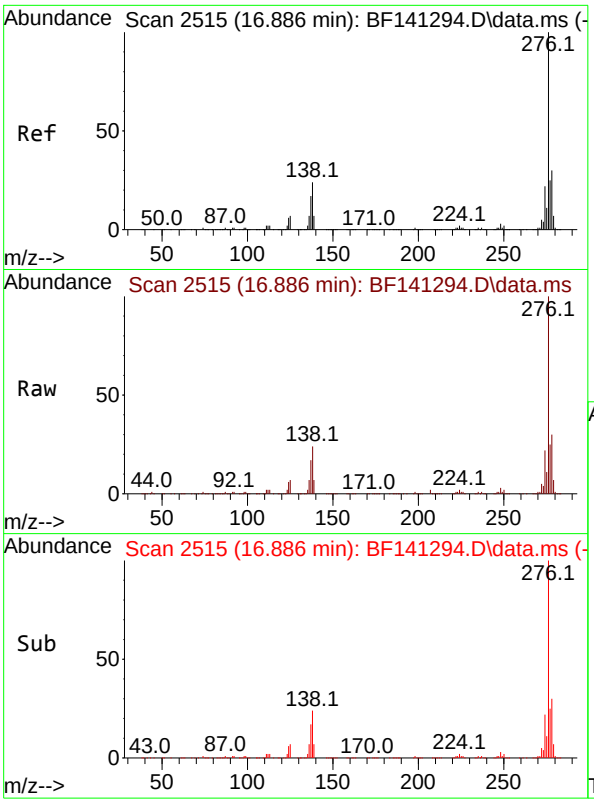


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	20.9	16.7	25.1



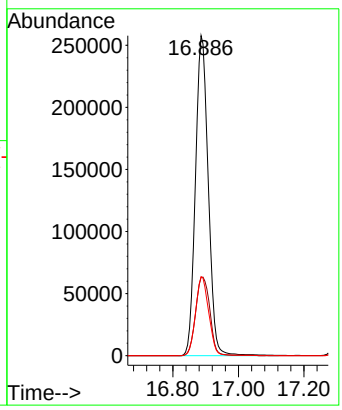


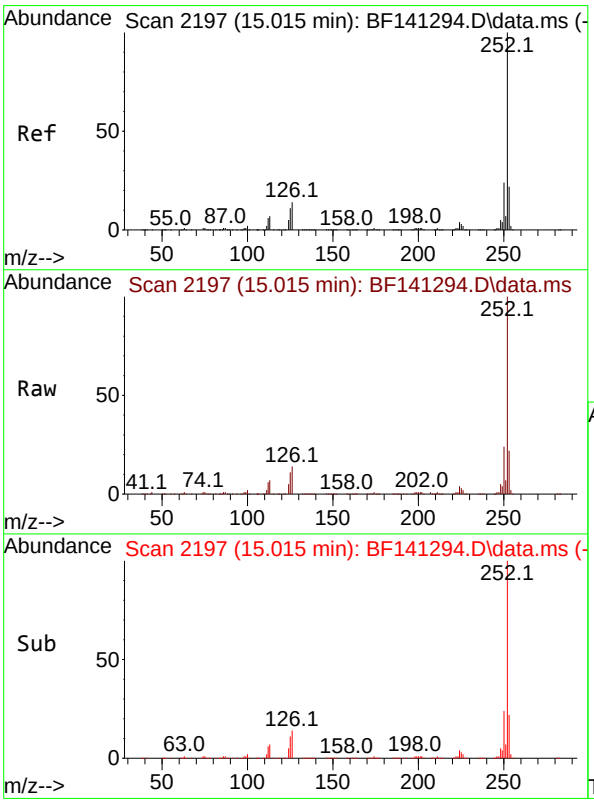
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.503 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 702692

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.4	20.3	30.5

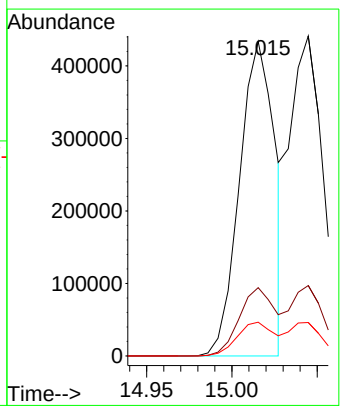


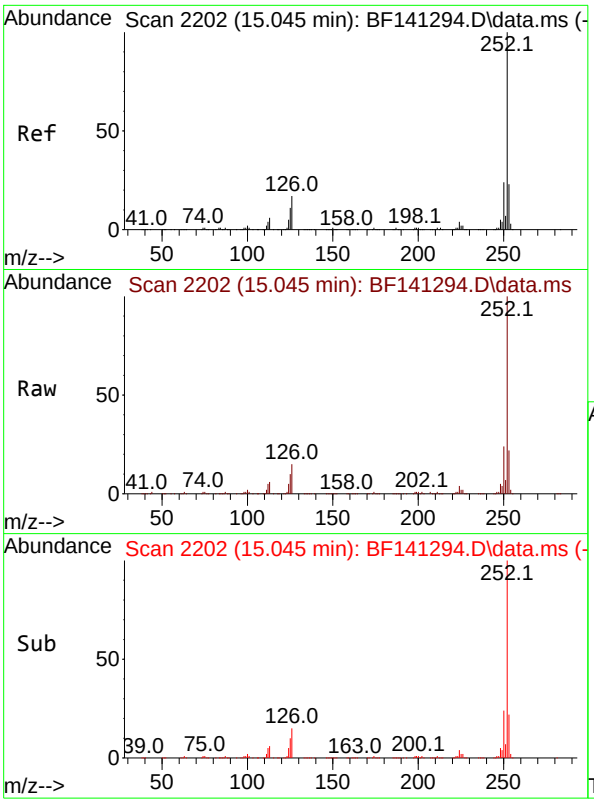


#88
Benzo(b)fluoranthene
Concen: 36.061 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 625758

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.7	8.6	12.8



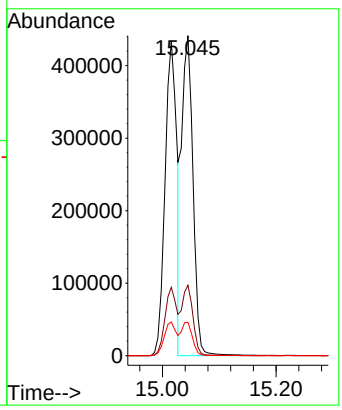


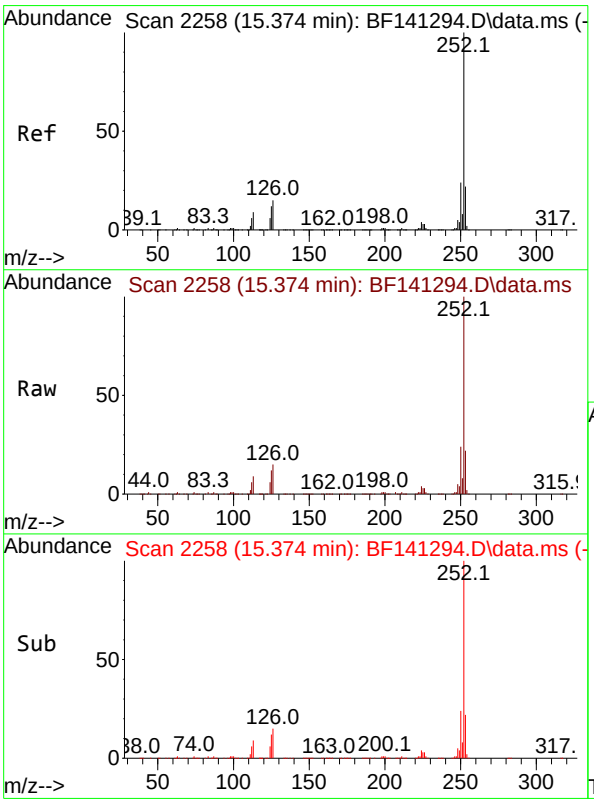
#89
Benzo(k)fluoranthene
Concen: 38.959 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 605401

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.4	12.6

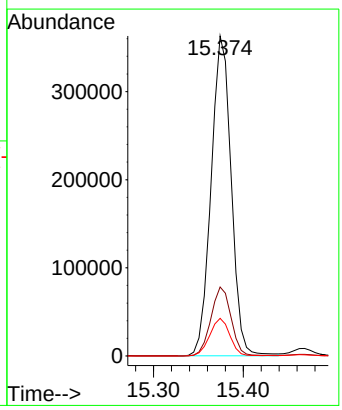


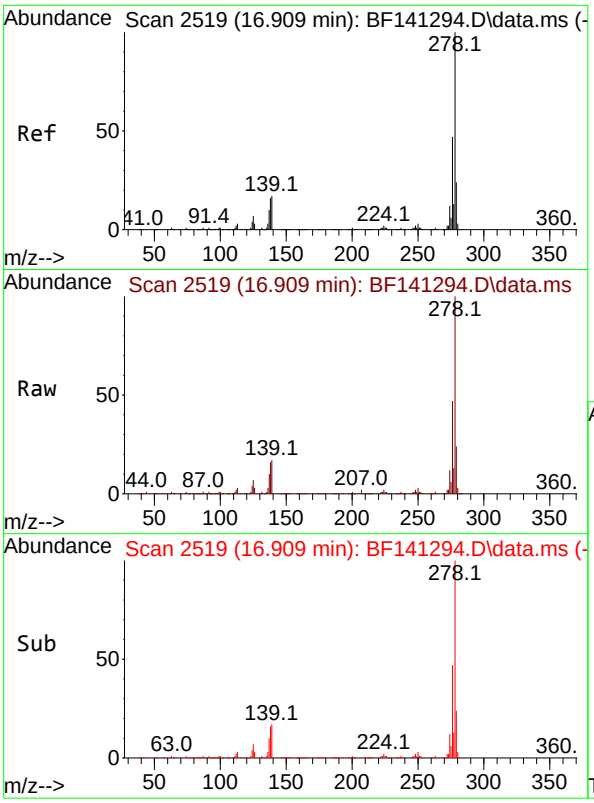


#90
Benzo(a)pyrene
Concen: 38.096 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 564975

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.8	9.4	14.2



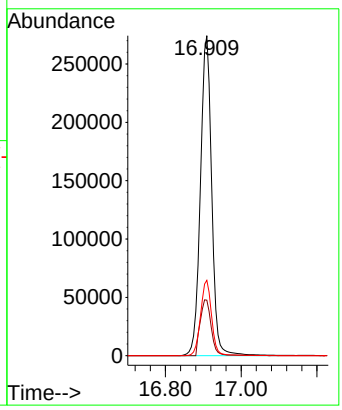


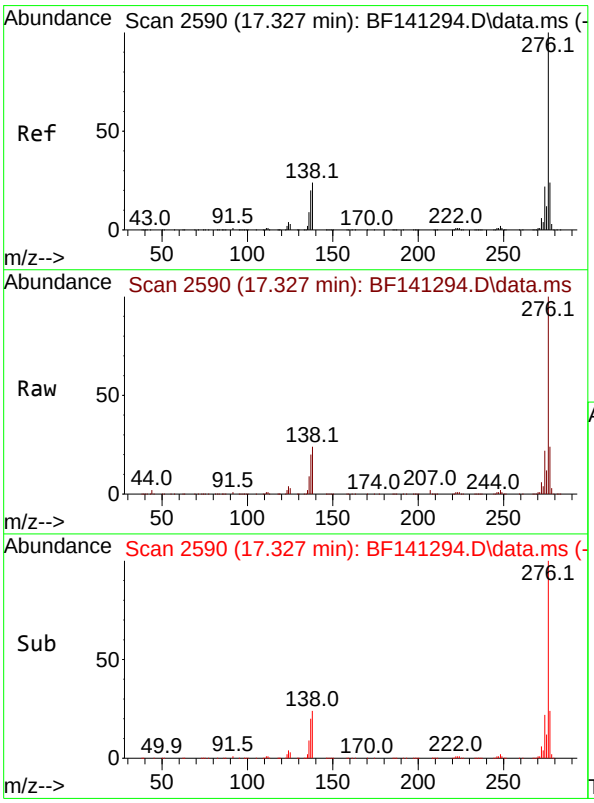
#91
Dibenzo(a,h)anthracene
Concen: 38.812 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 567762

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	23.5	18.8	28.2

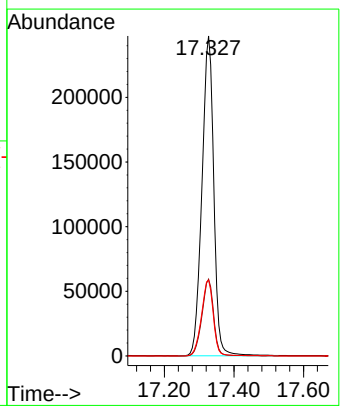




#92
Benzo(g,h,i)perylene
Concen: 37.870 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:276 Resp: 582768

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.7	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng		0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng		0.00
86) Perylene-d12	15.439	264	272084	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	827672	97.984	ng		0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng		0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng		0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng		98
3) Pyridine	3.222	79	455306	50.773	ng		100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng		100
6) Aniline	6.463	93	458390	50.942	ng		97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng		98
9) Benzaldehyde	6.351	77	281326	44.996	ng		98
10) Phenol	6.445	94	553844	48.628	ng		95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng		98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng		100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng		99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng		99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng		99
17) 2-Methylphenol	7.051	107	361469	49.214	ng		99
18) Hexachloroethane	7.310	117	182933	49.073	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng		98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng		94
22) Acetophenone	7.210	105	574700	47.365	ng	#	97
24) Nitrobenzene	7.386	77	492082	49.046	ng		98
25) Isophorone	7.622	82	818496	48.959	ng		99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng		99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng		99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng		100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng		100
31) Naphthalene	8.104	128	1304758	48.468	ng		100
32) Benzoic acid	7.857	122	308525	56.571	ng		99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng		100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng		99
35) Caprolactam	8.528	113	120078	50.594	ng		97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng		98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng		99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng		100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng		100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

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

ICAL Form

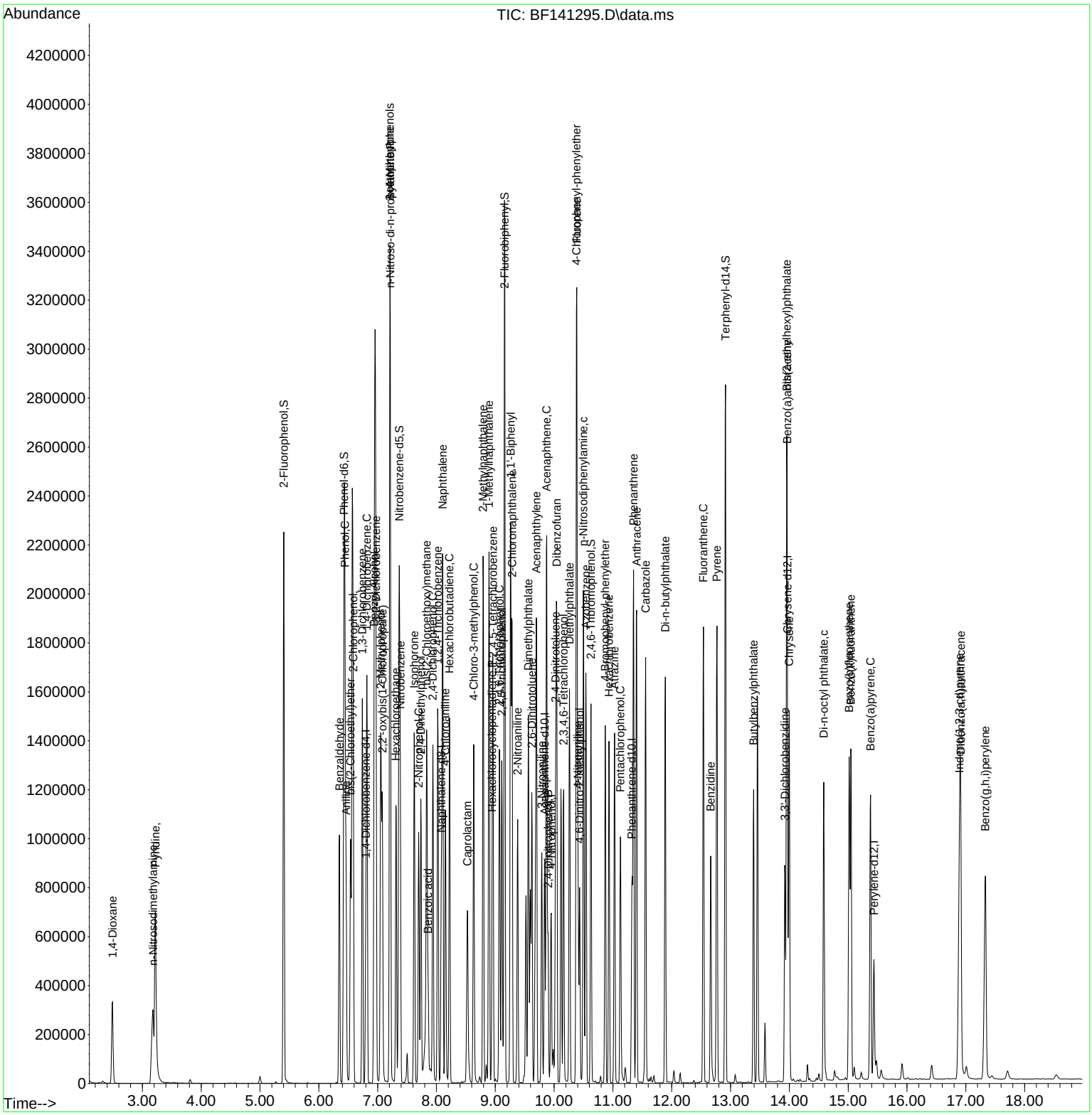
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

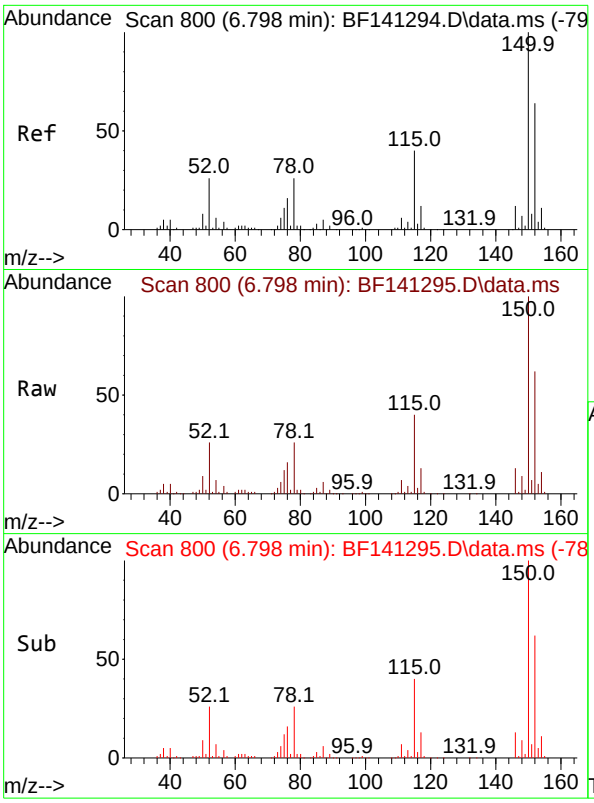
Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

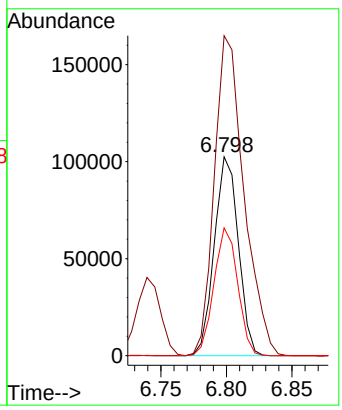




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 13063

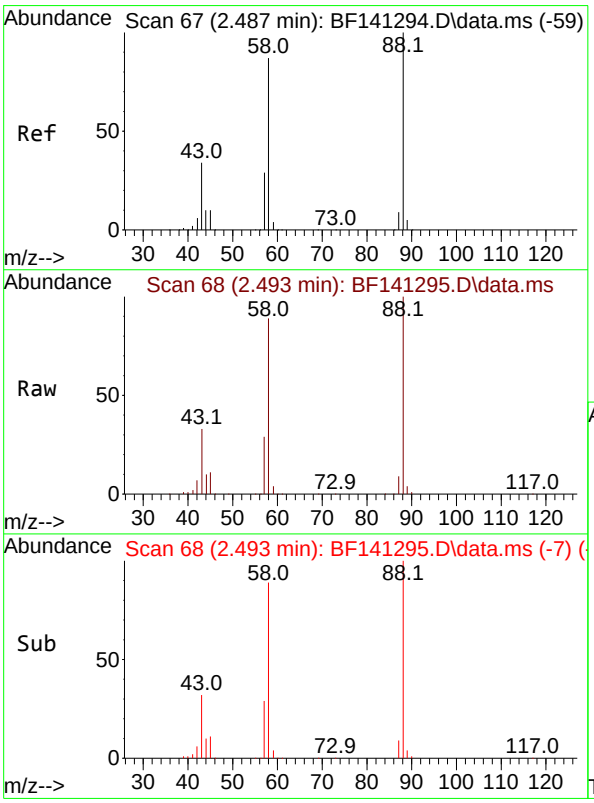
Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.9	188.9
115	64.3	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

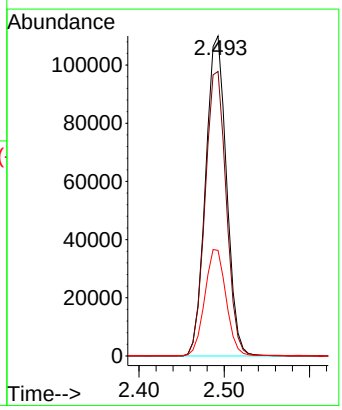
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

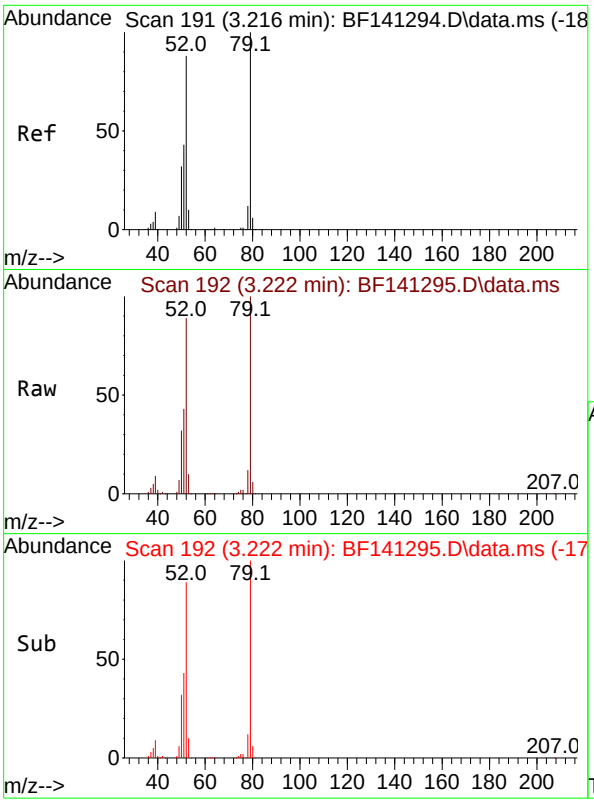


#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 88 Resp: 187460

Ion	Ratio	Lower	Upper
88	100		
58	89.8	70.2	105.4
43	33.5	27.6	41.4

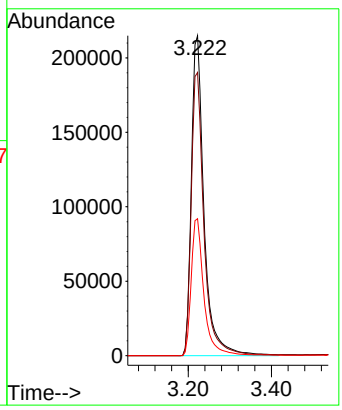




#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 45530

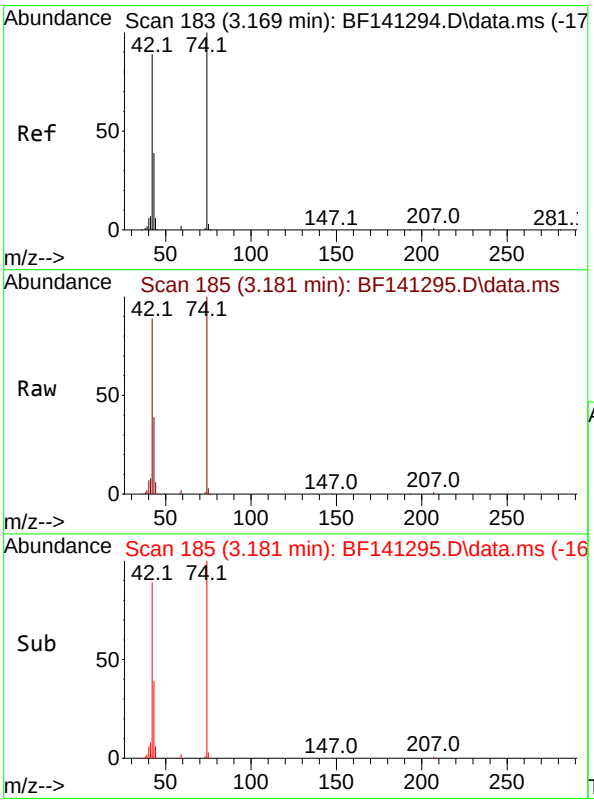
Ion	Ratio	Lower	Upper
79	100		
52	88.5	70.3	105.5
51	42.8	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

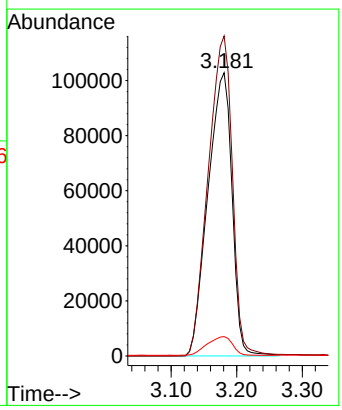
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

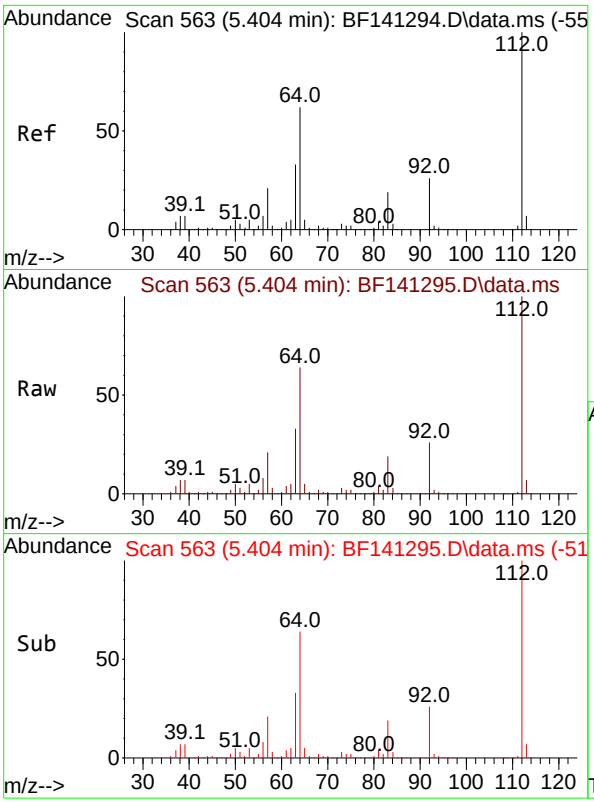


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 42 Resp: 262086

Ion	Ratio	Lower	Upper
42	100		
74	113.0	90.3	135.5
44	6.8	5.7	8.5

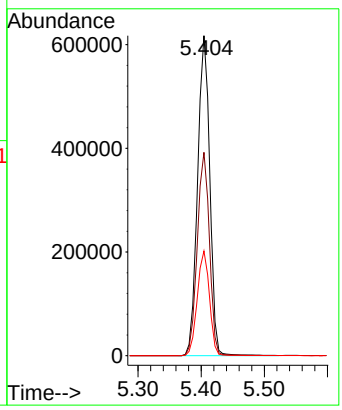




#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:112 Resp: 82767

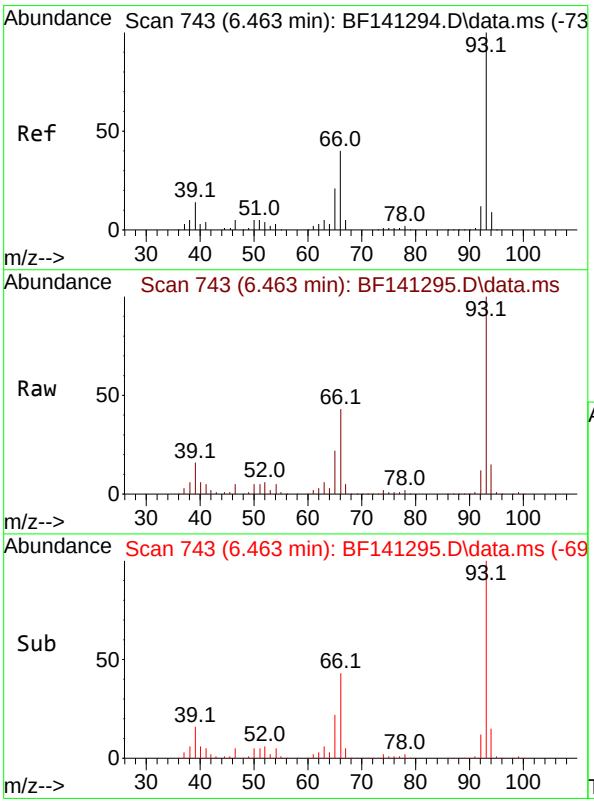
Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.8	74.8
63	32.7	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

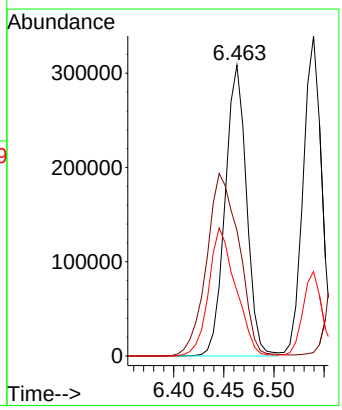
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

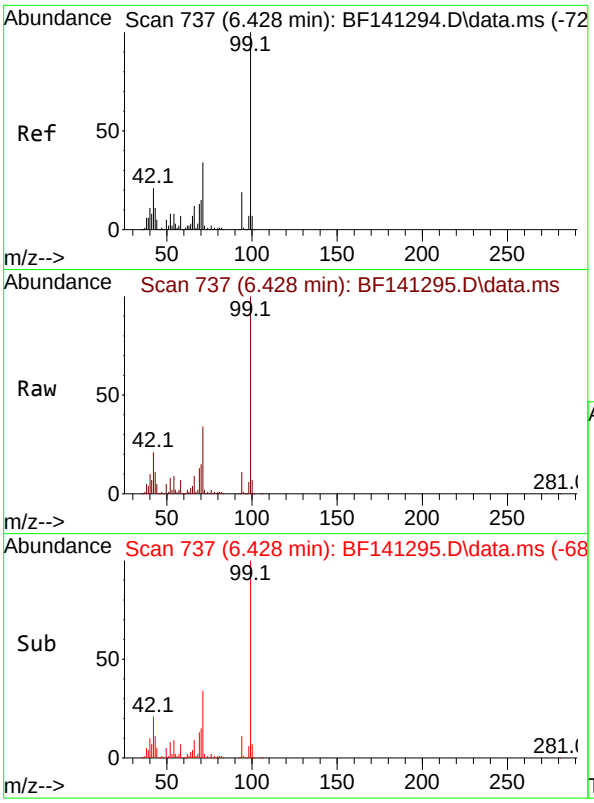


#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 458390

Ion	Ratio	Lower	Upper
93	100		
66	43.2	32.5	48.7
65	22.4	17.0	25.6

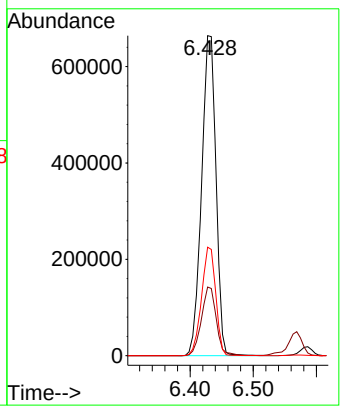




#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 99 Resp: 105238

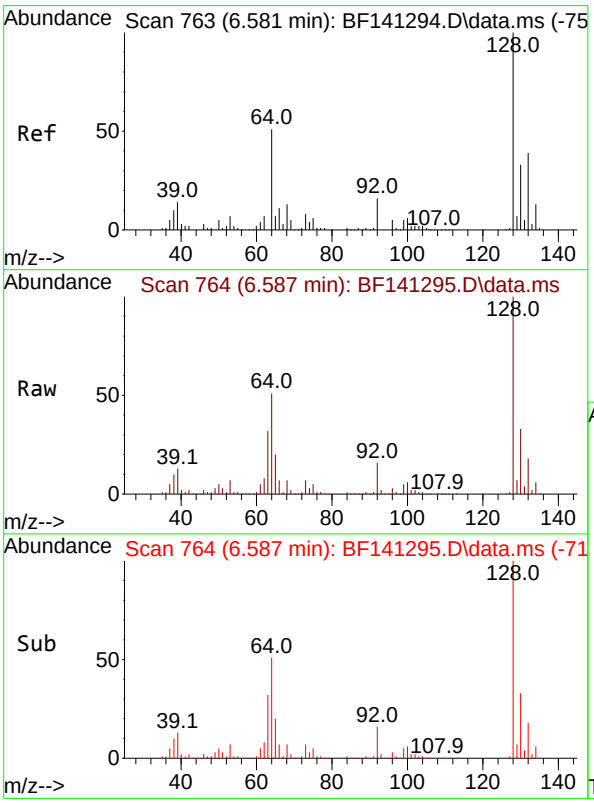
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	33.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

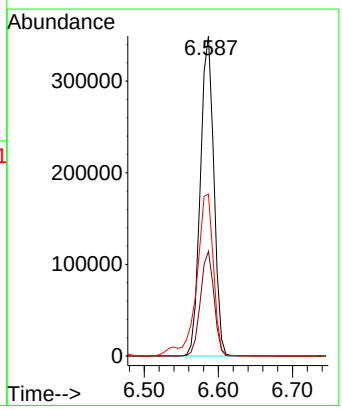
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

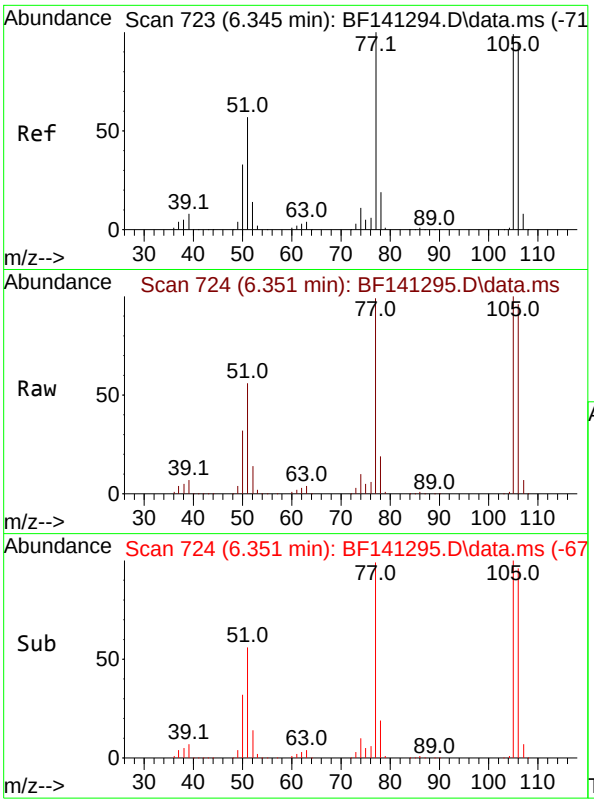


#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 441862

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	50.5	32.9	72.9

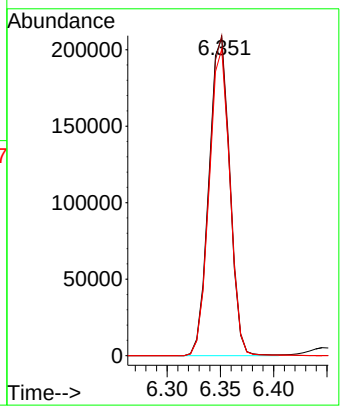




#9
Benzaldehyde
Concen: 44.996 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 28132

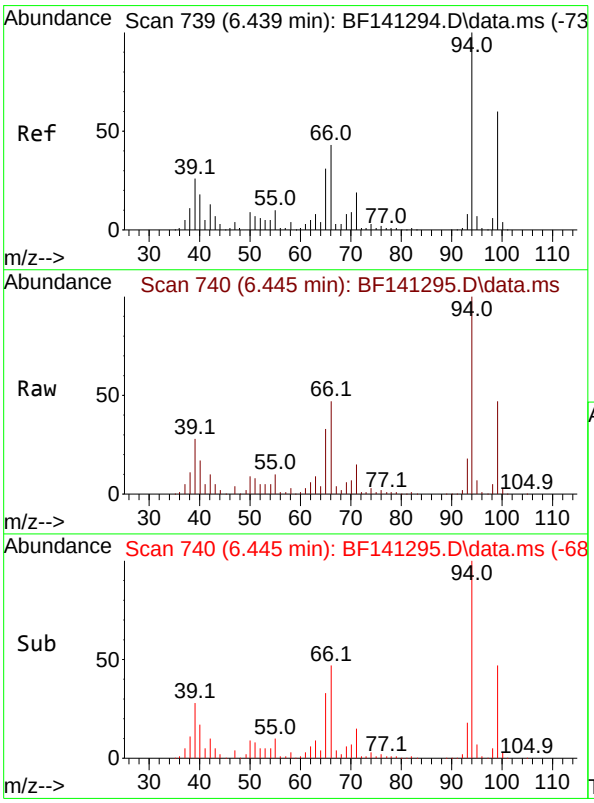
Ion	Ratio	Lower	Upper
77	100		
105	100.8	79.4	119.4
106	96.5	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

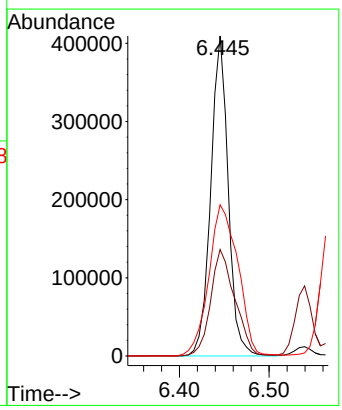
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

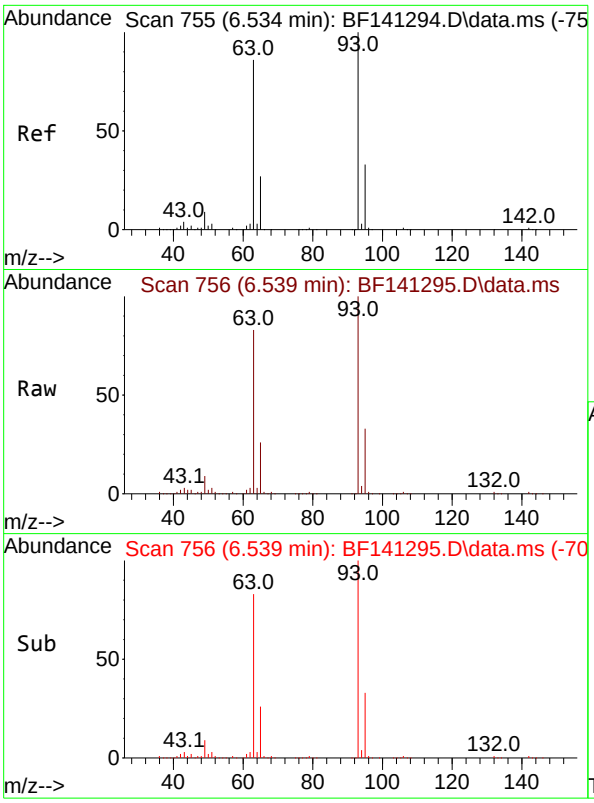


#10
Phenol
Concen: 48.628 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 94 Resp: 553844

Ion	Ratio	Lower	Upper
94	100		
65	33.2	10.8	50.8
66	47.3	23.3	63.3

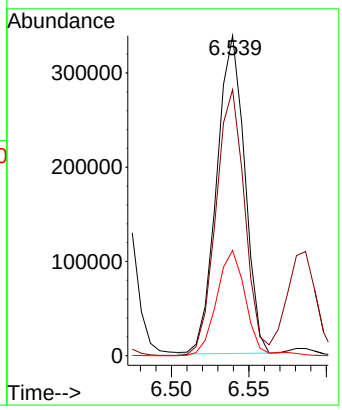




#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 42424

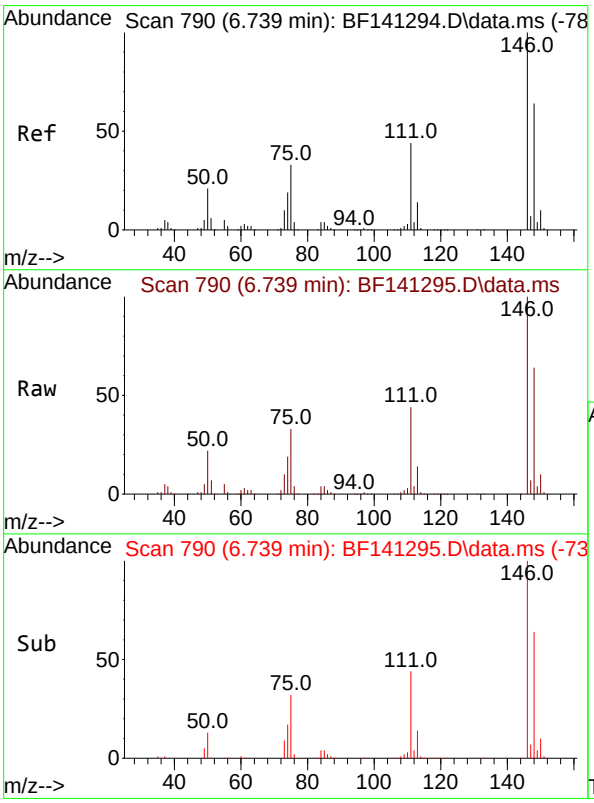
Ion	Ratio	Lower	Upper
93	100		
63	83.2	65.0	105.0
95	32.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

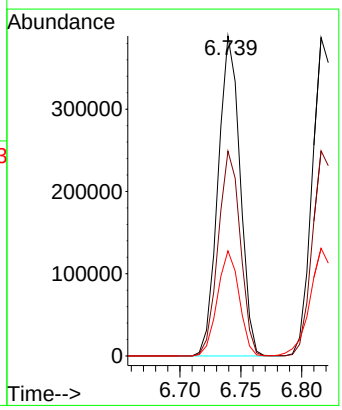
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

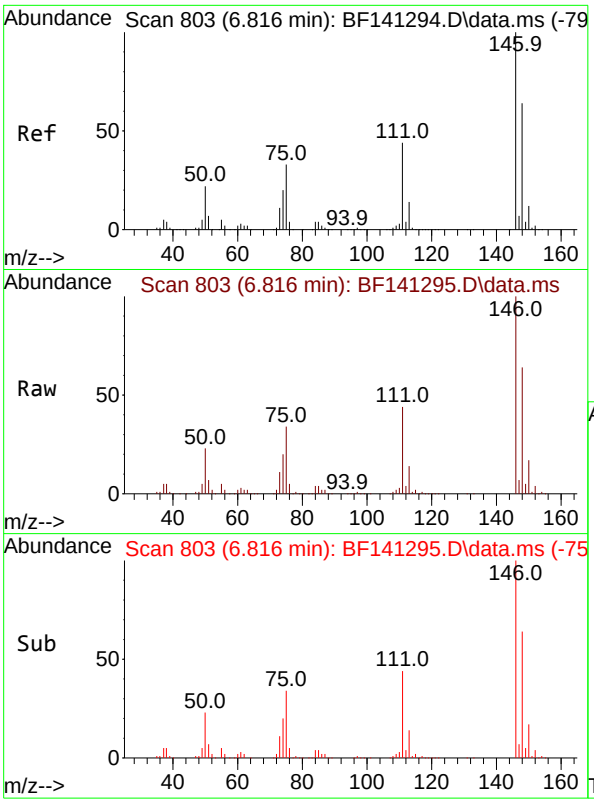


#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.9	26.2	39.4

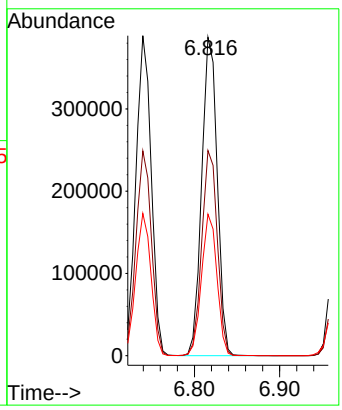




#13
1,4-Dichlorobenzene
Concen: 48.671 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 49039

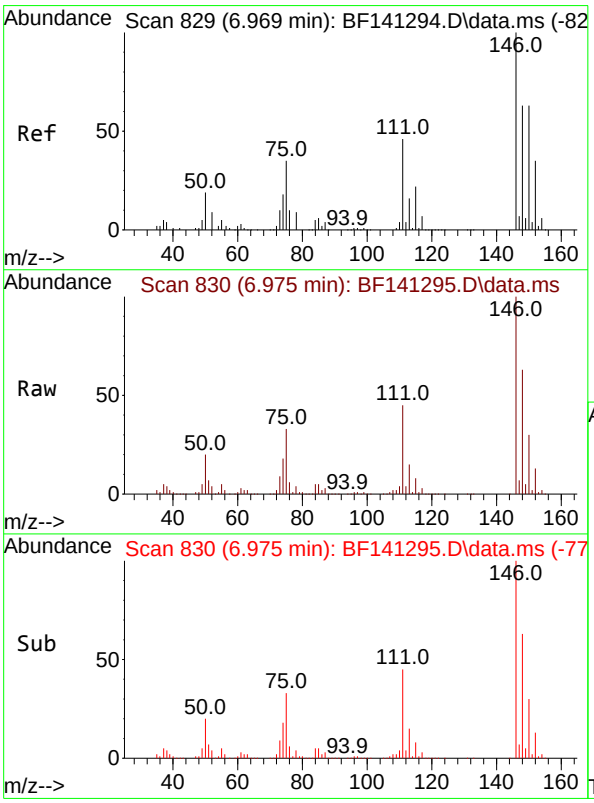
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
111	44.4	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

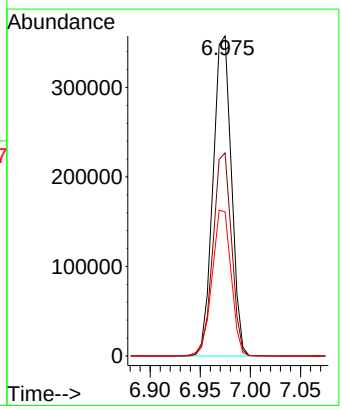
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

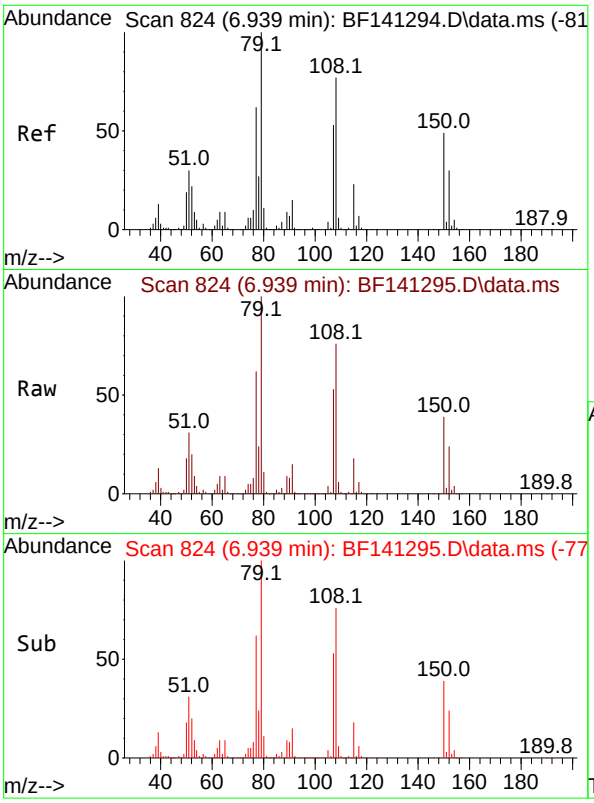


#14
1,2-Dichlorobenzene
Concen: 48.279 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 454569

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.5	75.7
111	45.1	36.6	55.0

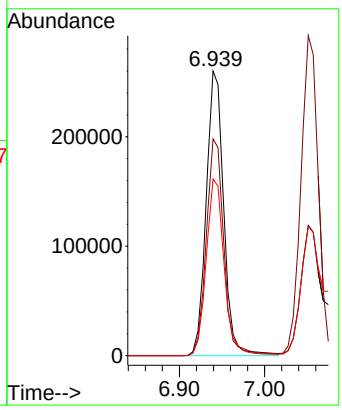




#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 37127

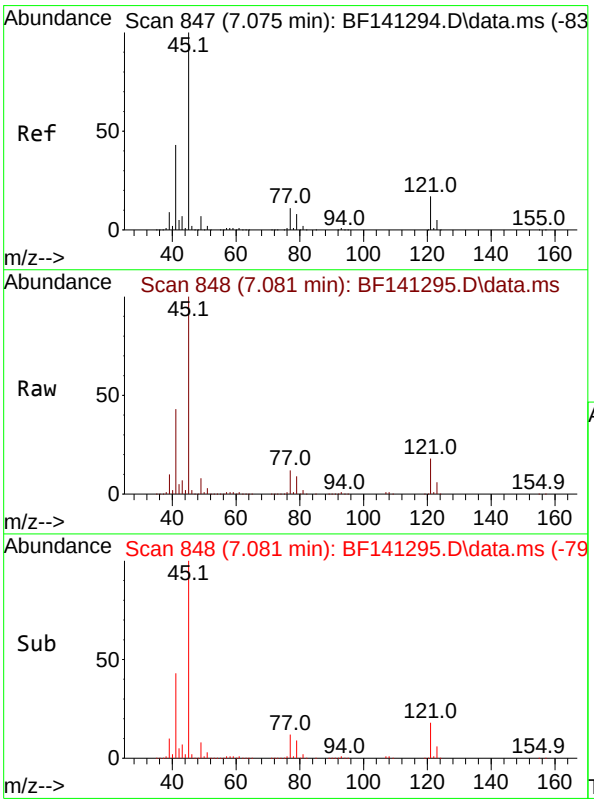
Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.4	92.0
77	62.1	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

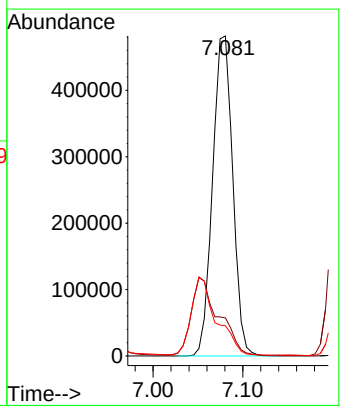
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

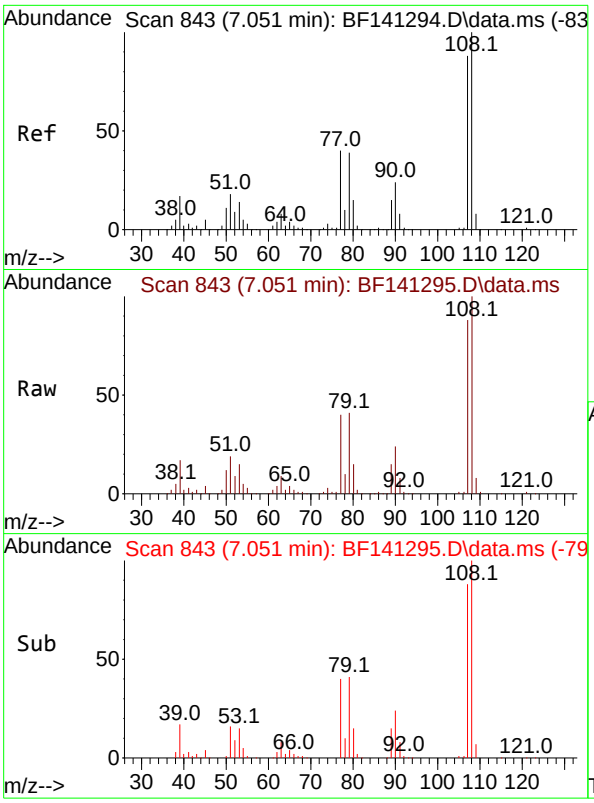


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 45 Resp: 749938

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.5	0.0	29.1

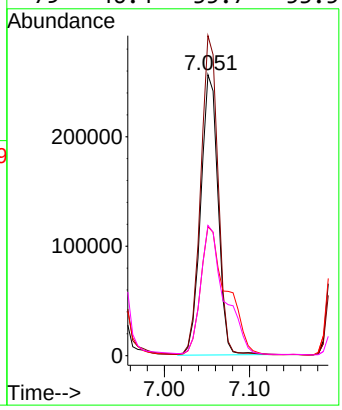




#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 36146

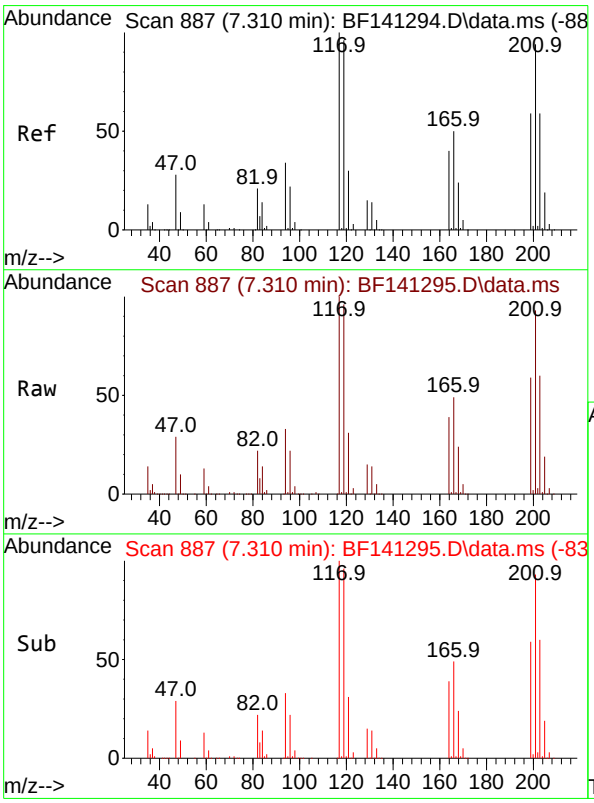
Ion	Ratio	Lower	Upper
107	100		
108	113.9	90.8	136.2
77	46.0	36.2	54.4
79	46.4	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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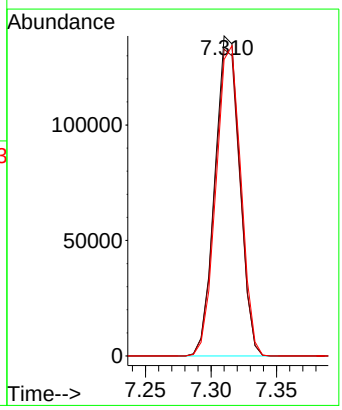
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

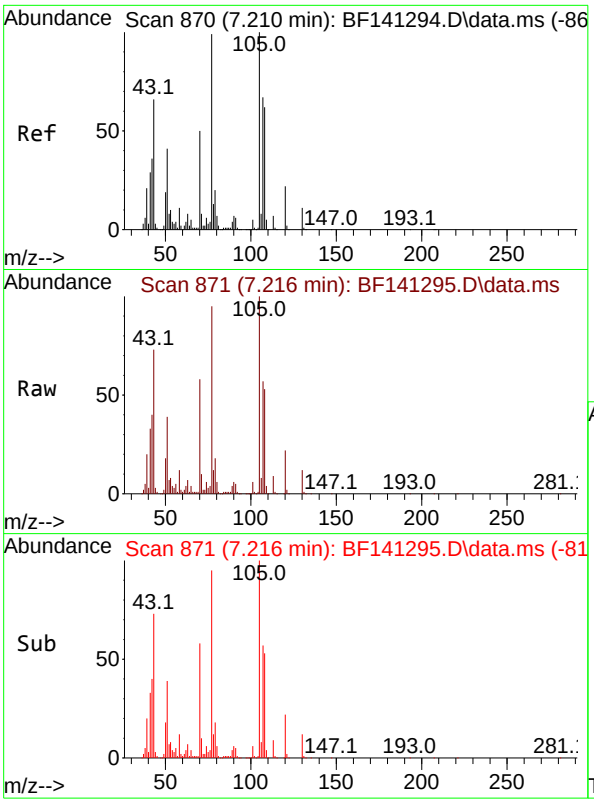


#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
201	92.7	74.8	112.2

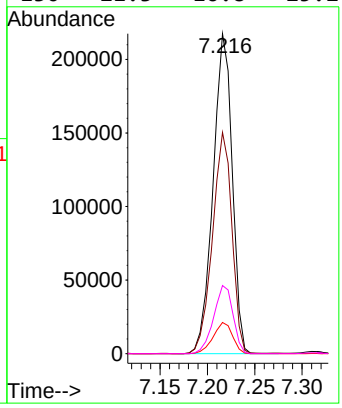




#19
n-Nitroso-di-n-propylamine
Concen: 47.753 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 70 Resp: 30574

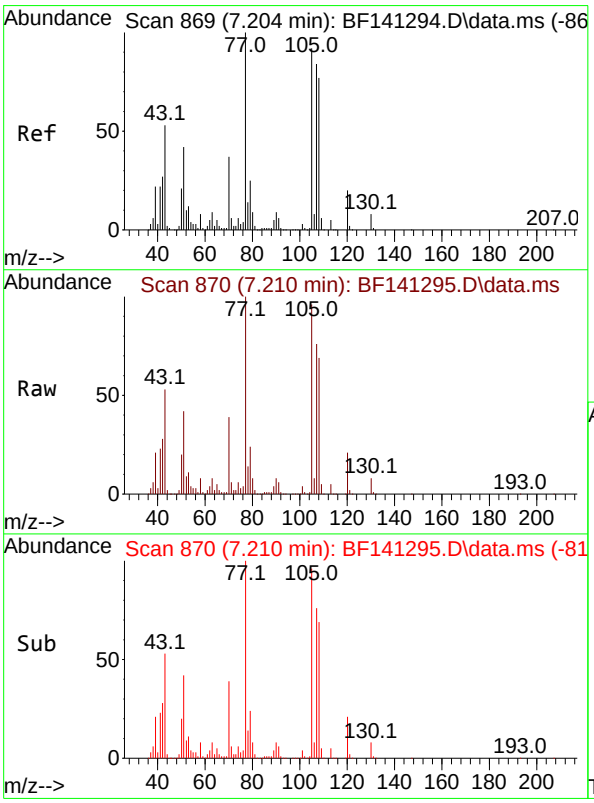
Ion	Ratio	Lower	Upper
70	100		
42	69.2	56.8	85.2
101	9.7	7.7	11.5
130	21.3	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

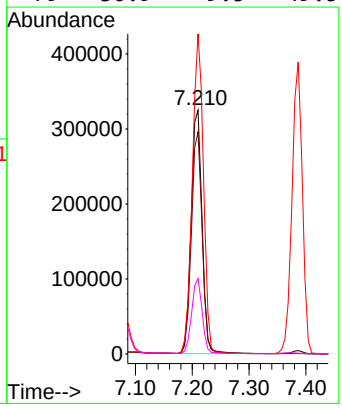
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

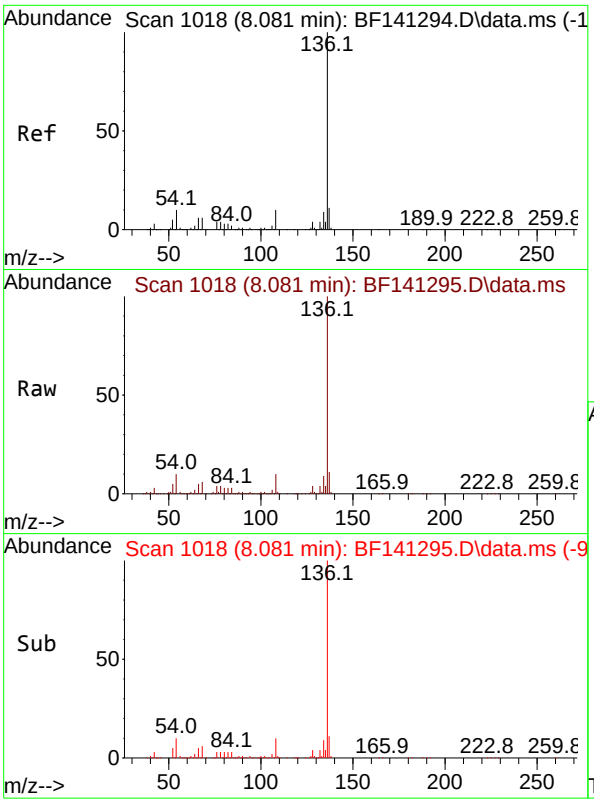


#20
3+4-Methylphenols
Concen: 48.143 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 434743

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.9	110.9
77	131.3	98.5	138.5
79	30.9	9.5	49.5

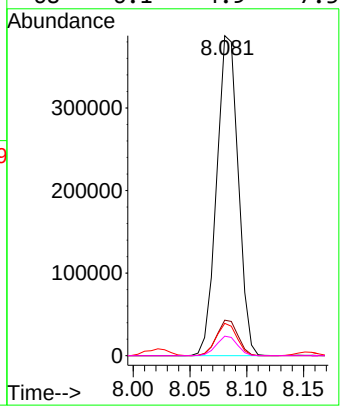




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:136 Resp: 51184

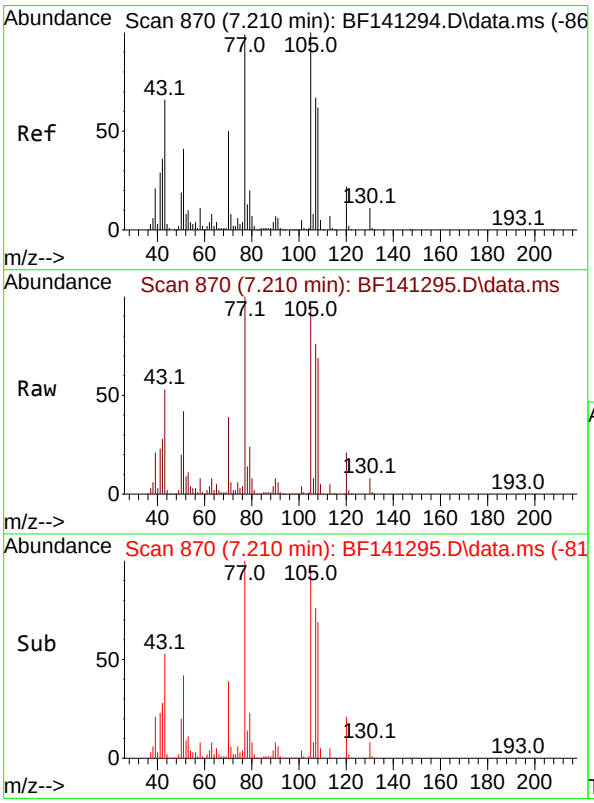
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.1	7.8	11.8
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

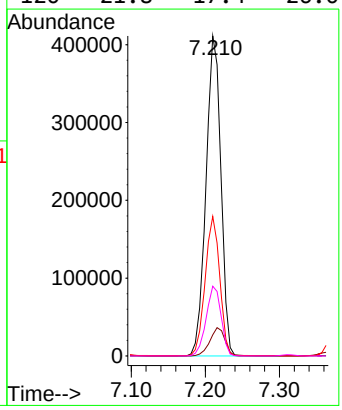
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

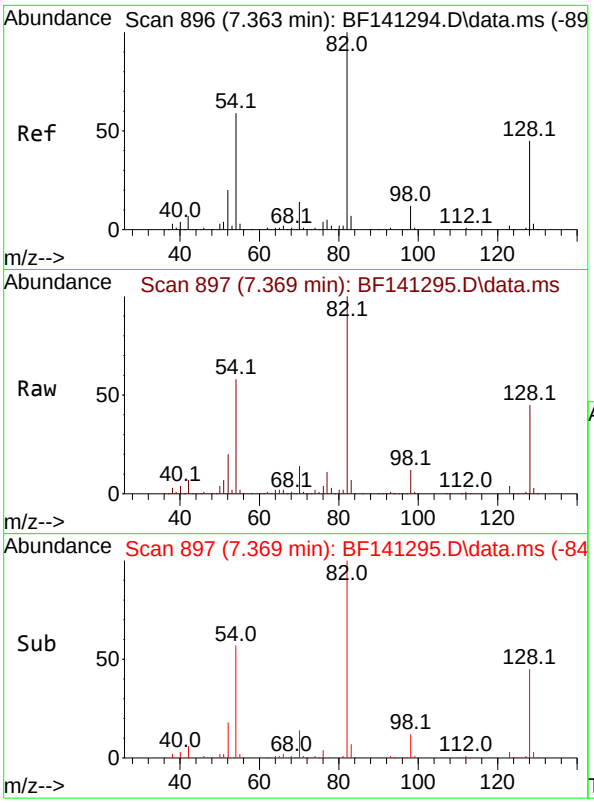


#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700

Ion	Ratio	Lower	Upper
105	100		
71	6.6	6.8	10.2#
51	43.6	32.6	49.0
120	21.8	17.4	26.0

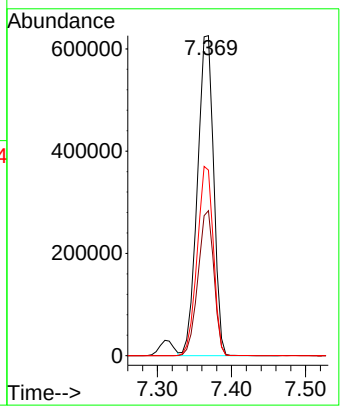




#23
Nitrobenzene-d5
Concen: 98.761 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 95536

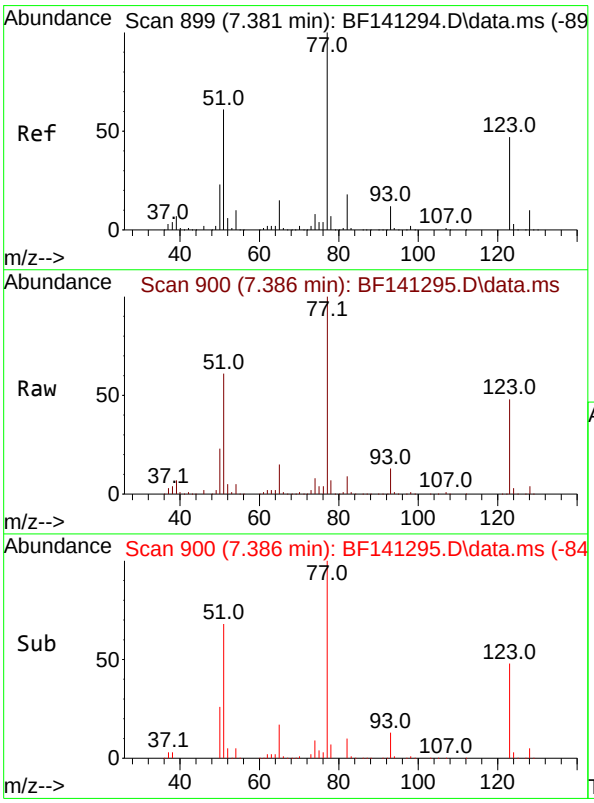
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	58.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

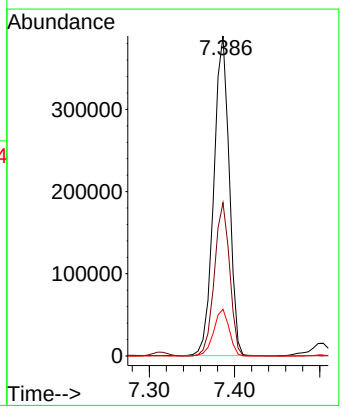
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

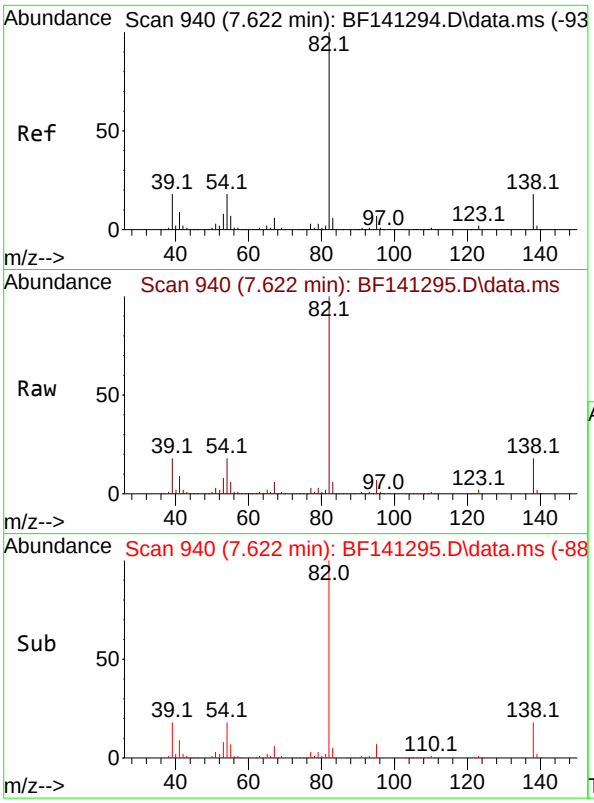


#24
Nitrobenzene
Concen: 49.046 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 492082

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.3	55.9
65	14.6	11.8	17.6

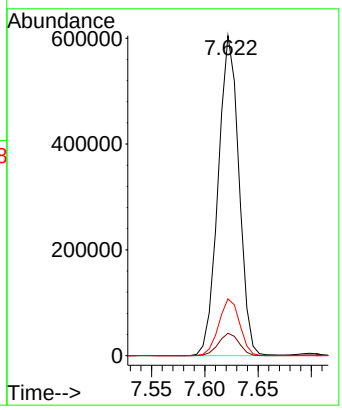




#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 81849

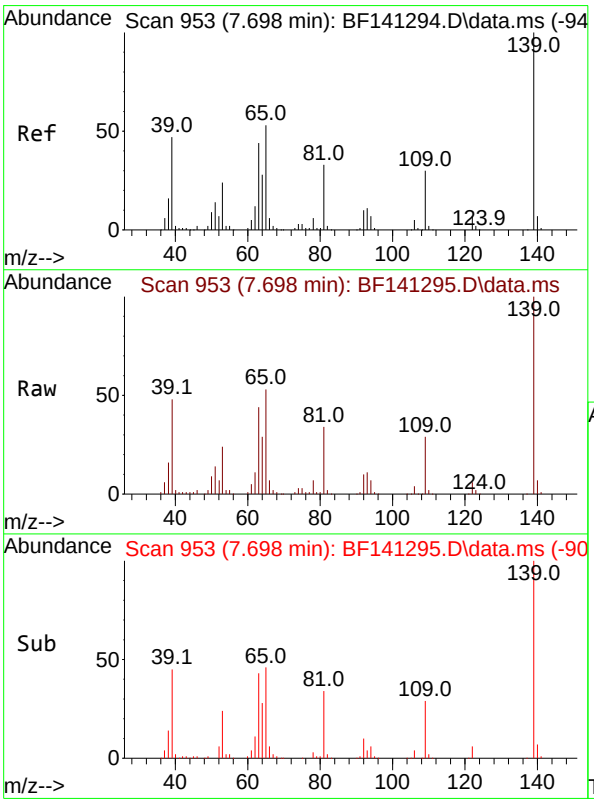
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	17.7	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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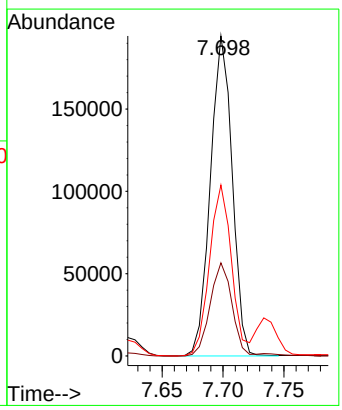
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

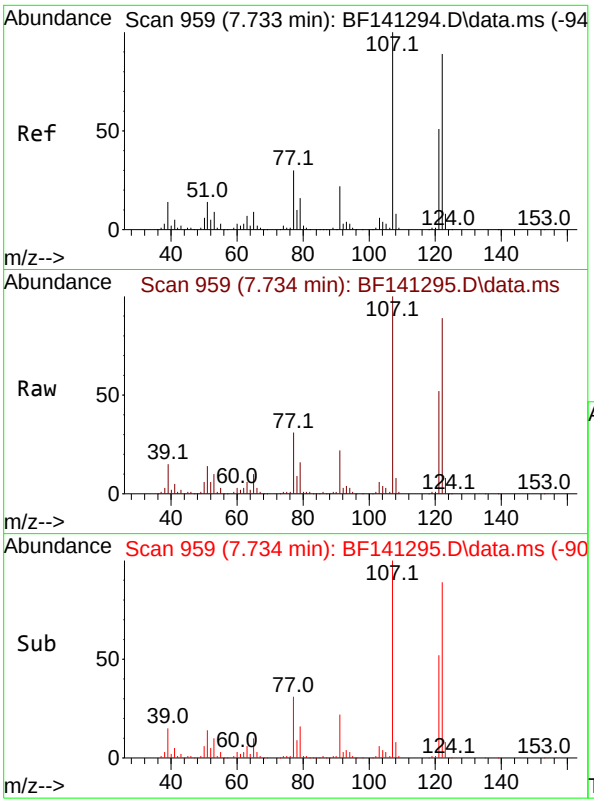


#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 242228

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.8	35.6
65	53.4	42.2	63.4

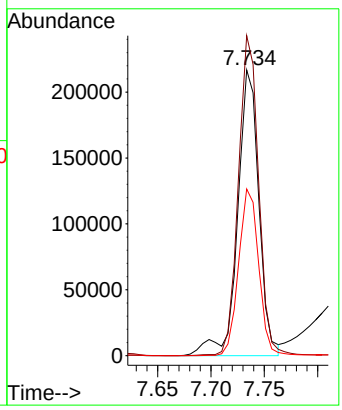




#27
2,4-Dimethylphenol
Concen: 49.969 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 30007

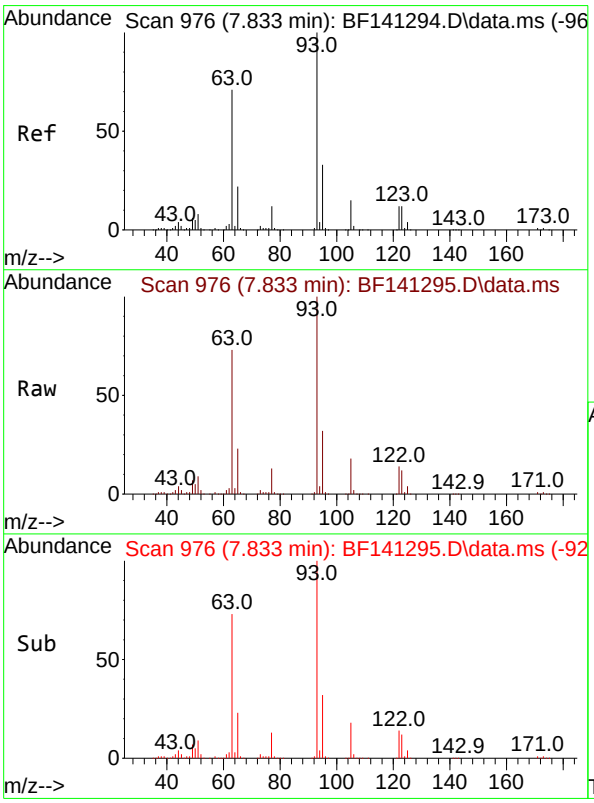
Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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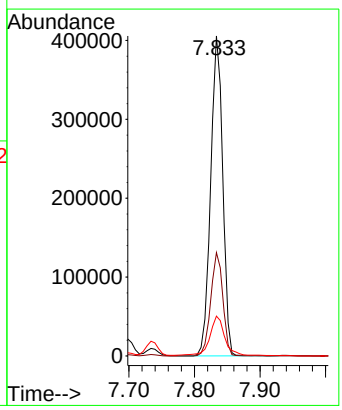
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

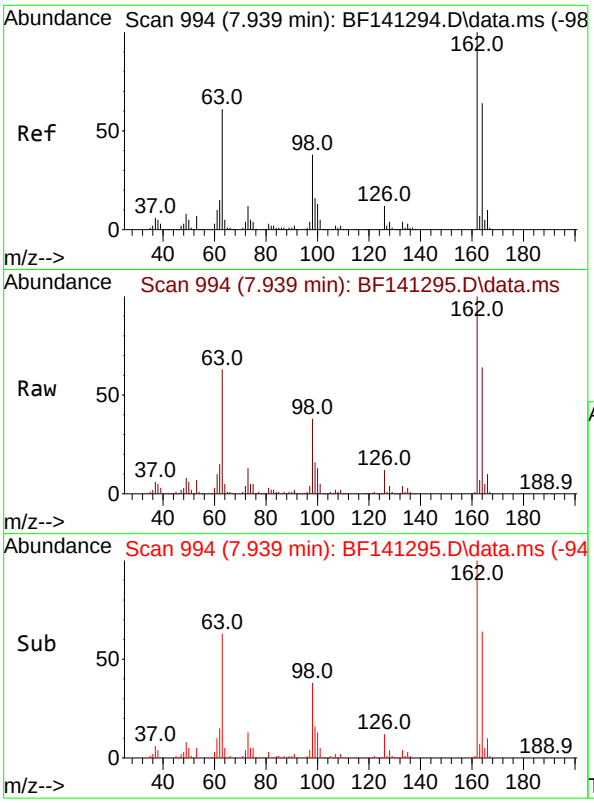


#28
bis(2-Chloroethoxy)methane
Concen: 48.701 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 518825

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.4	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 49.507 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

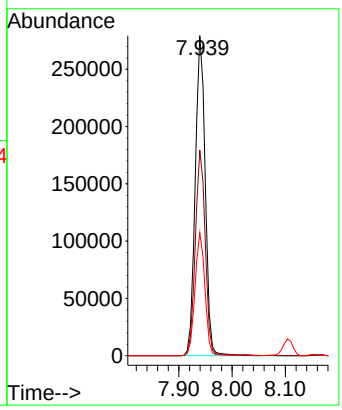
Tgt Ion:162 Resp: 36327

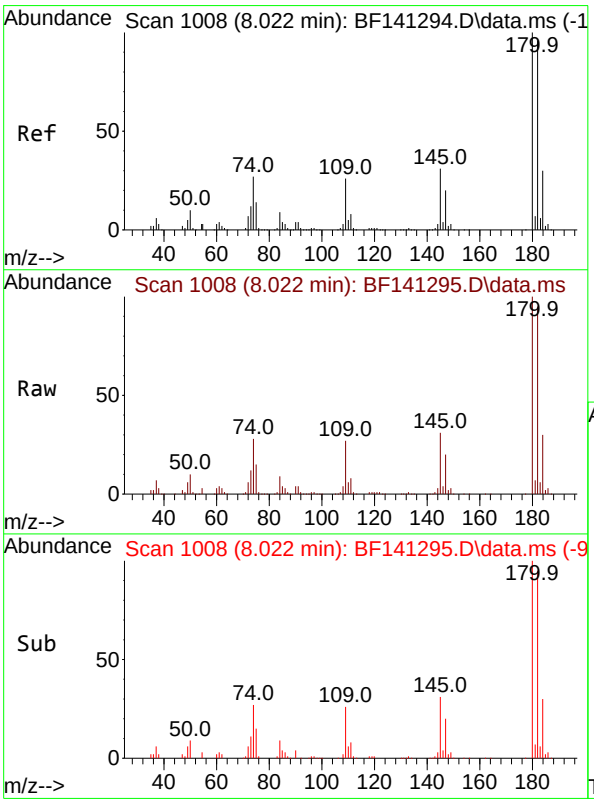
Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.4	18.2	58.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

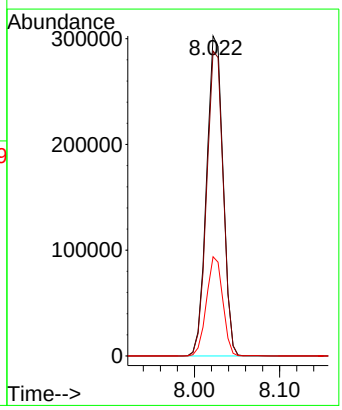


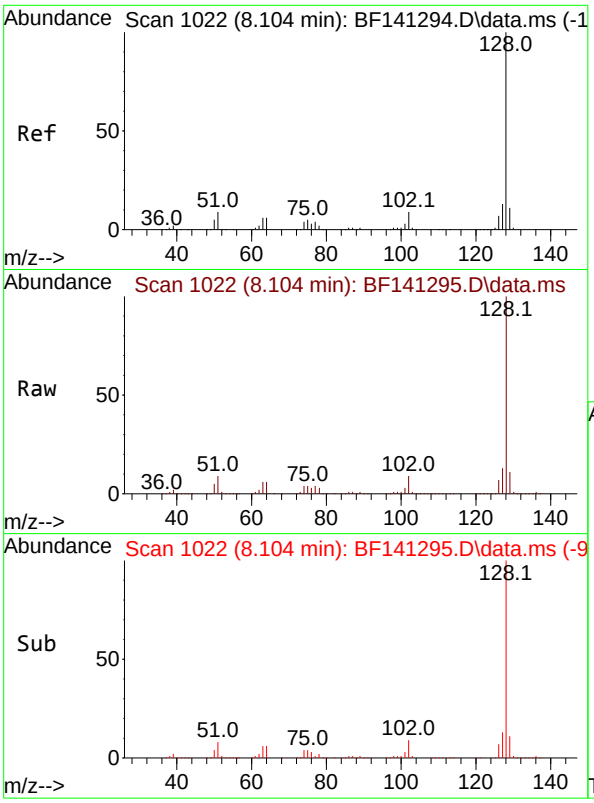


#30
1,2,4-Trichlorobenzene
Concen: 48.309 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:180 Resp: 406562

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.0	24.9	37.3





#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

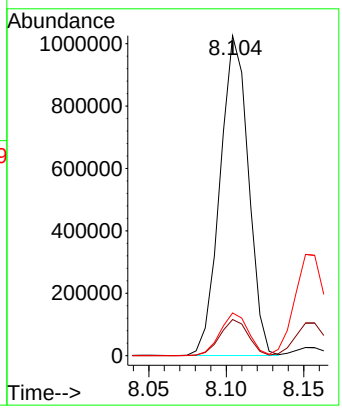
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

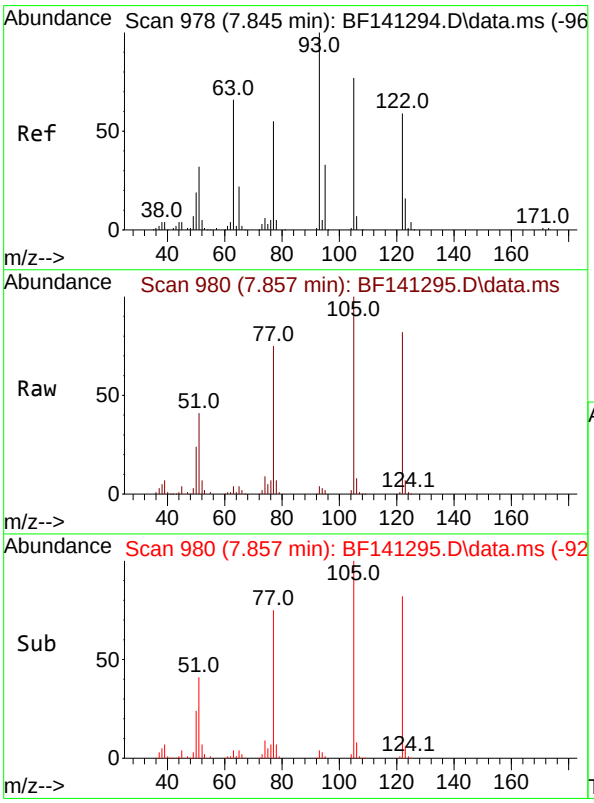
Tgt Ion:128 Resp: 130475

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.6	15.8

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

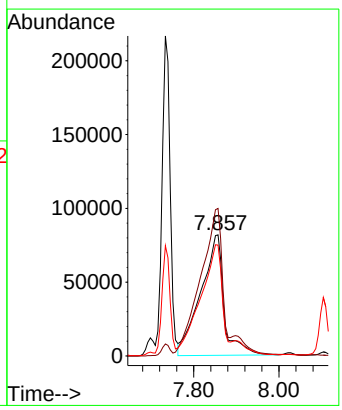


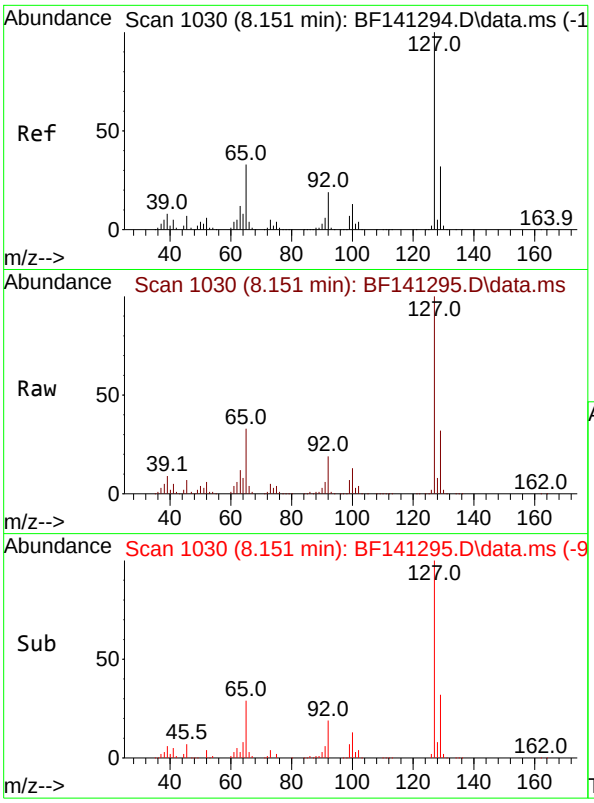


#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525

Ion	Ratio	Lower	Upper
122	100		
105	121.7	103.4	143.4
77	91.5	70.9	110.9

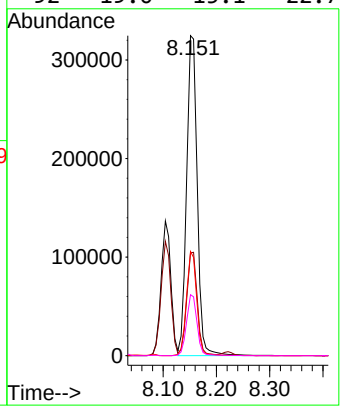




#33
4-Chloroaniline
Concen: 49.712 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:127 Resp: 44954

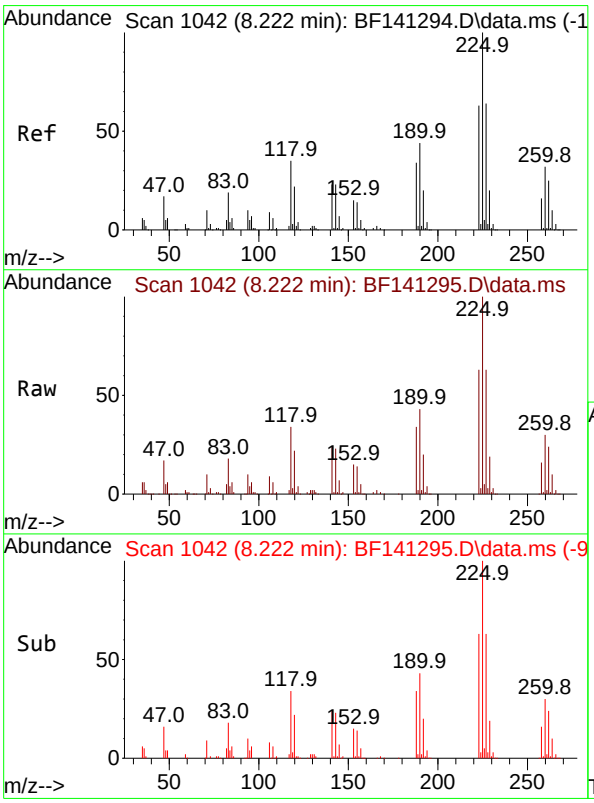
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	32.6	26.4	39.6
92	19.0	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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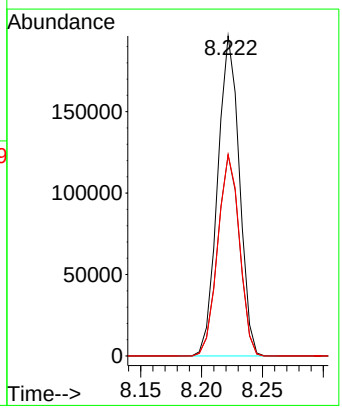
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

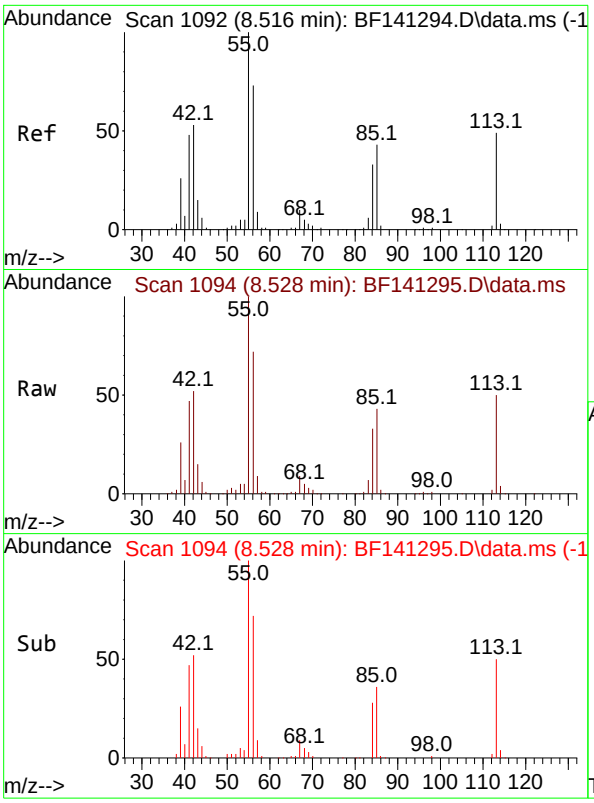


#34
Hexachlorobutadiene
Concen: 49.395 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:225 Resp: 243308

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	62.9	51.3	76.9





#35
Caprolactam
Concen: 50.594 ng
RT: 8.528 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

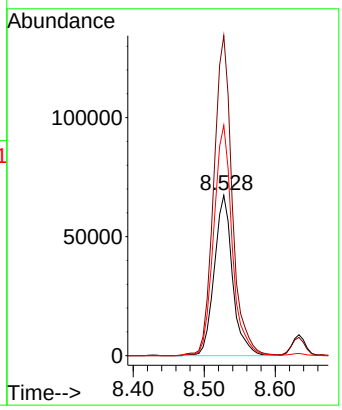
Tgt Ion:113 Resp: 12007

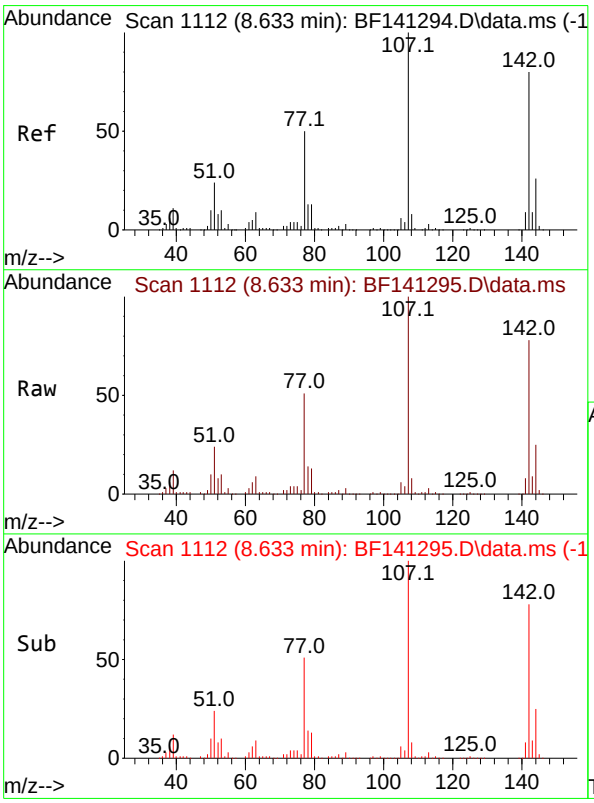
Ion	Ratio	Lower	Upper
113	100		
55	199.5	182.9	222.9
56	143.7	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

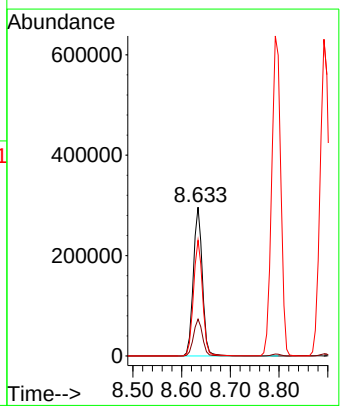


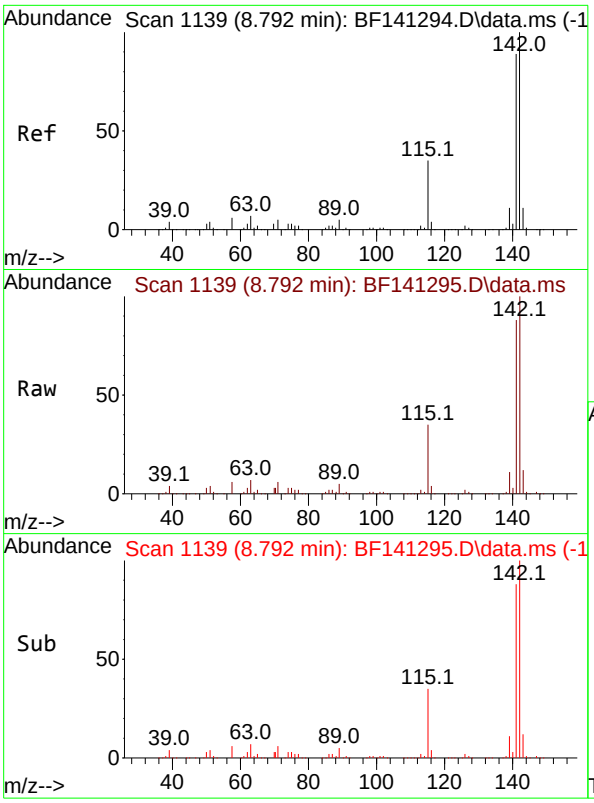


#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.7	63.8	95.8





#37
2-Methylnaphthalene
Concen: 48.006 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

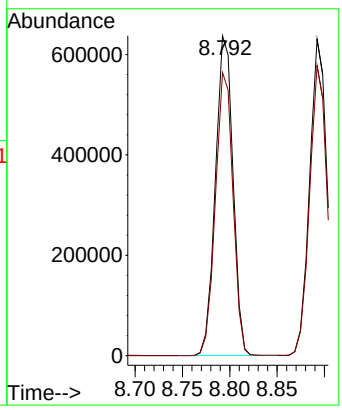
Tgt Ion:142 Resp: 82298

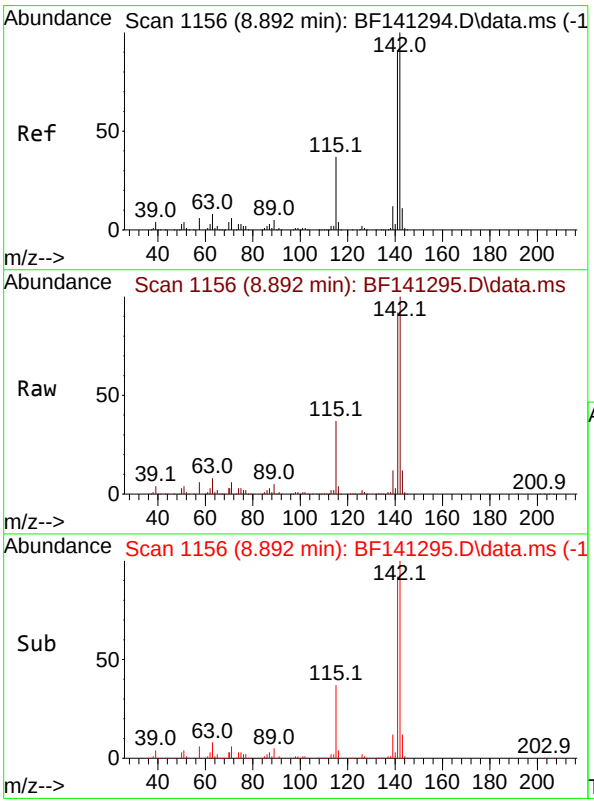
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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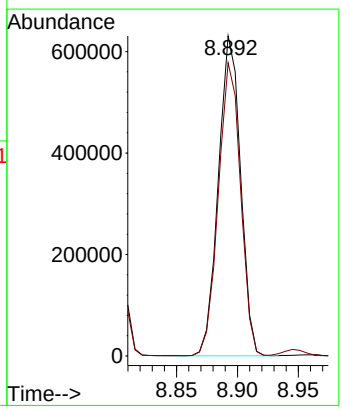


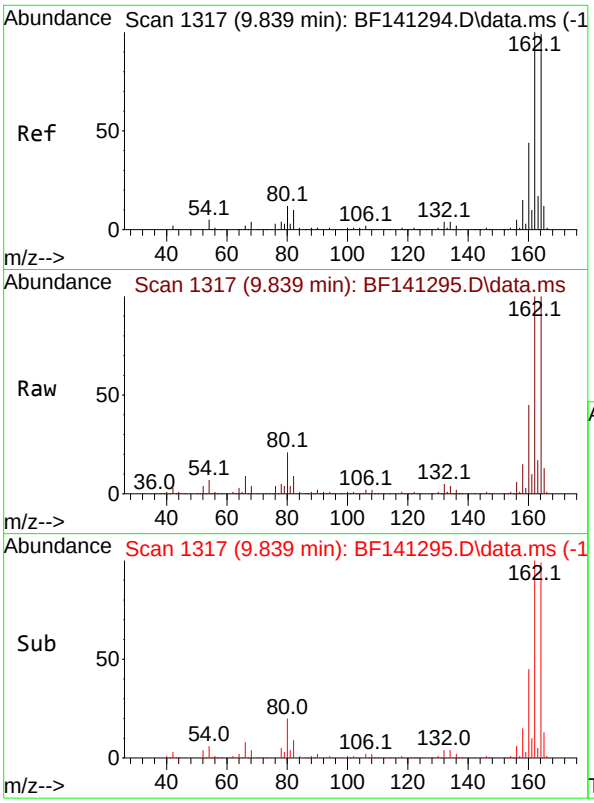


#38
1-Methylnaphthalene
Concen: 47.586 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 799136

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.2	109.8

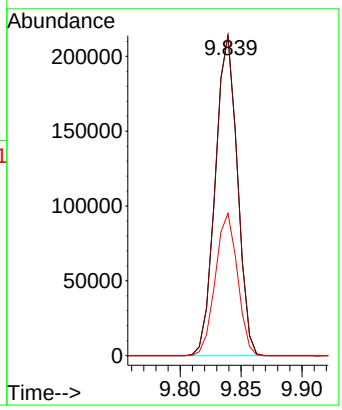




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:164 Resp: 26966

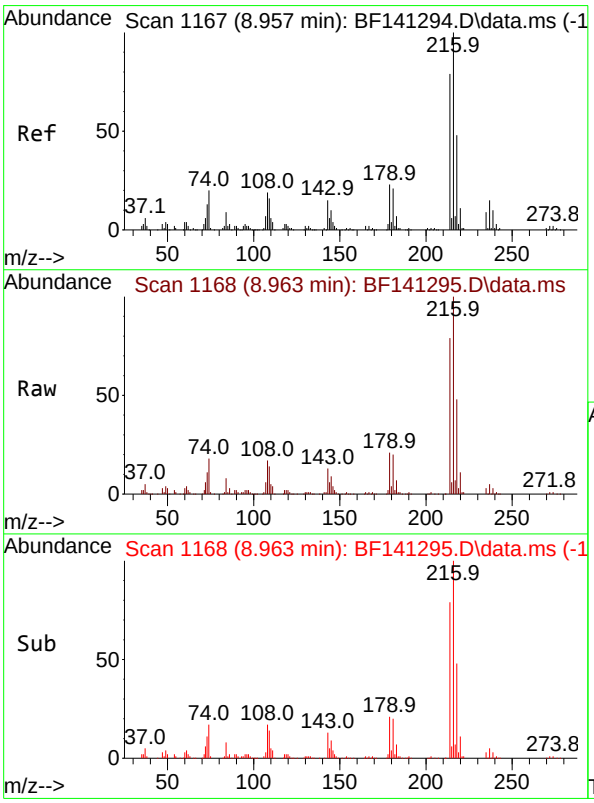
Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	44.5	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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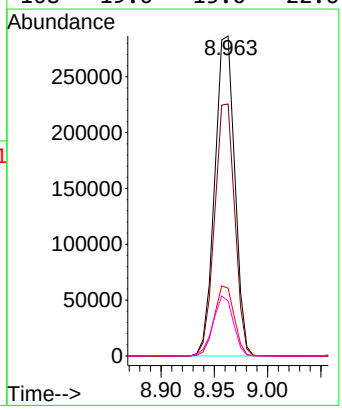
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

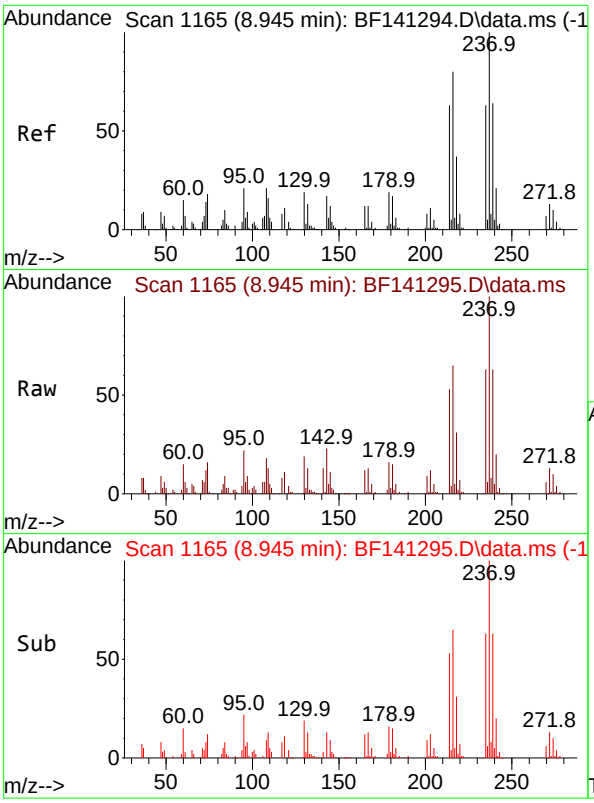


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.774 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:216 Resp: 373963

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	21.7	17.8	26.8
108	19.0	15.0	22.6

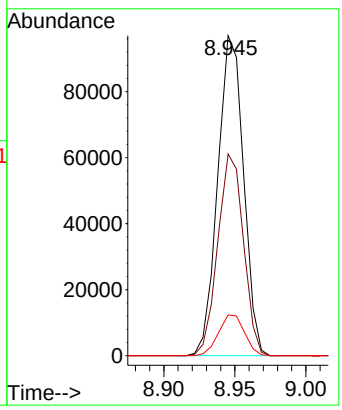




#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:237 Resp: 12247

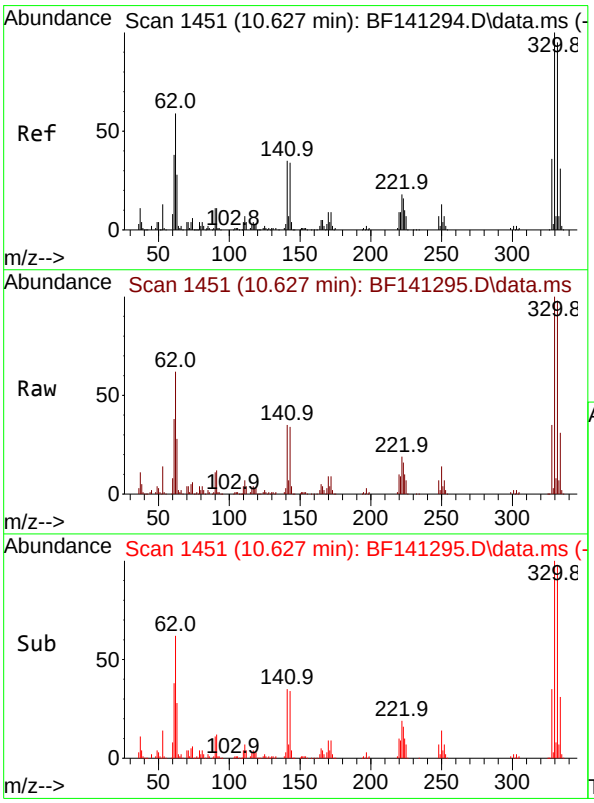
Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	12.7	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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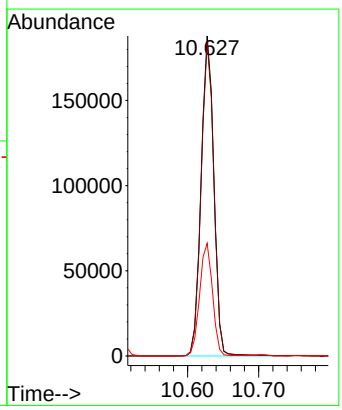
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

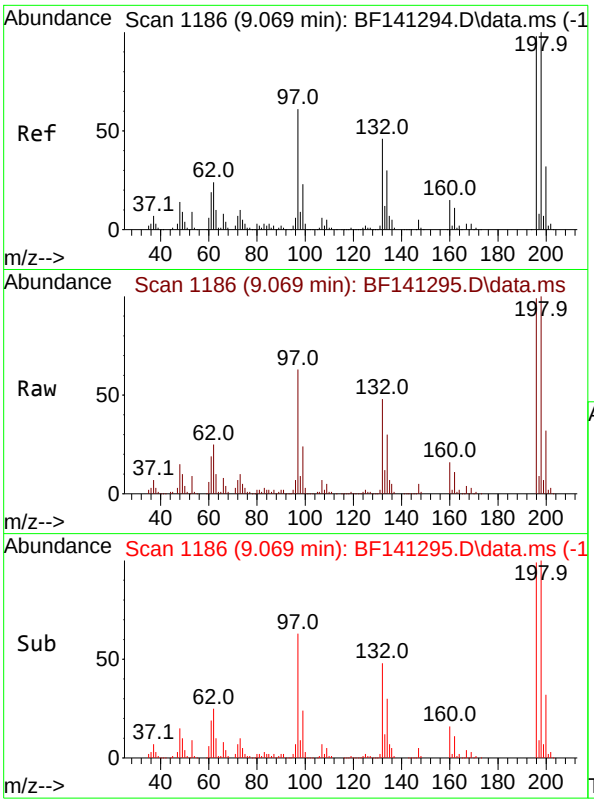


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:330 Resp: 235884

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.1	114.1
141	35.4	28.8	43.2

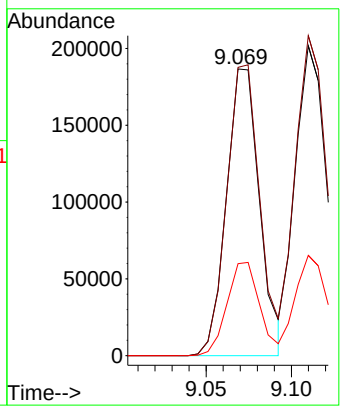




#43
2,4,6-Trichlorophenol
Concen: 50.545 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 25297

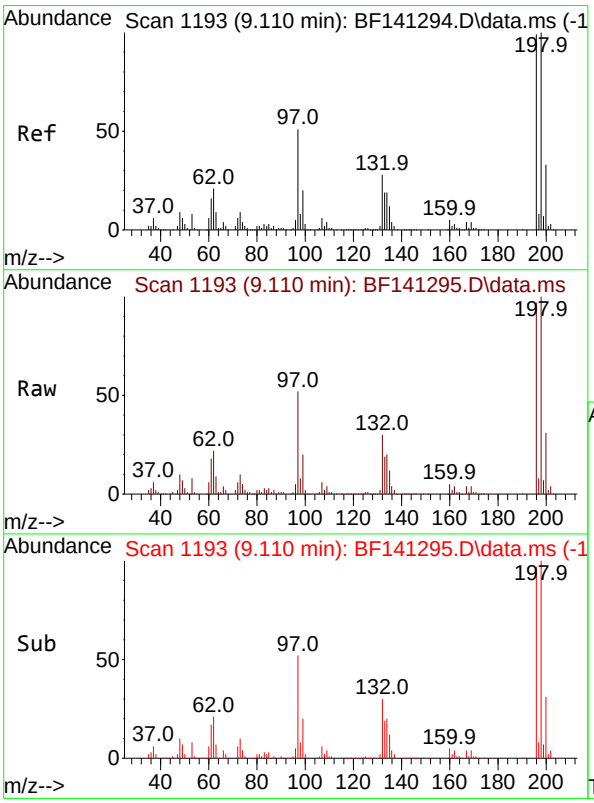
Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.1	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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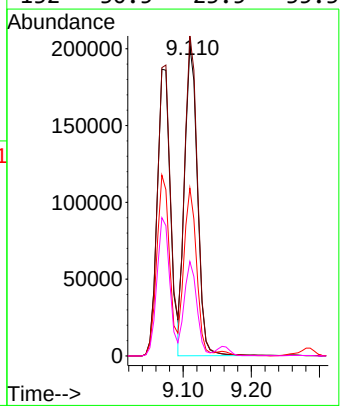
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

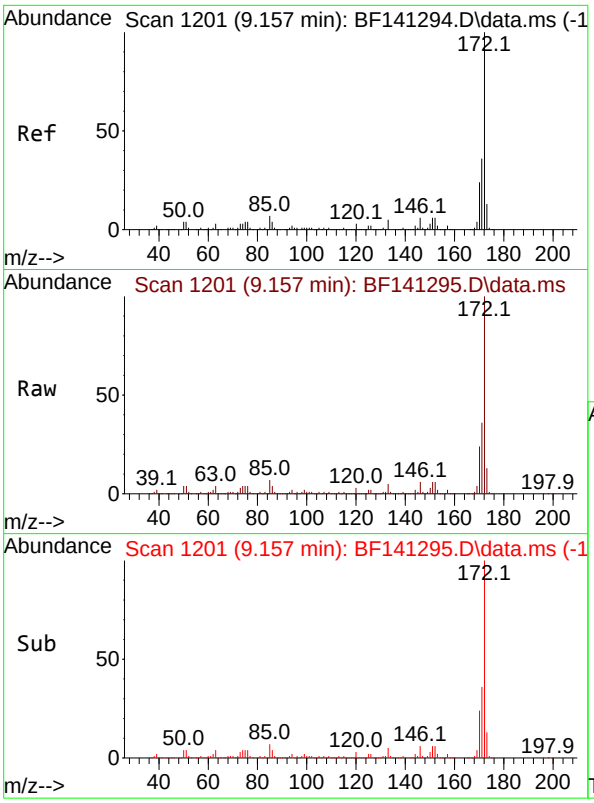


#44
2,4,5-Trichlorophenol
Concen: 48.438 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 263745

Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.5	120.7
97	54.1	42.8	64.2
132	30.5	23.5	35.3





#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

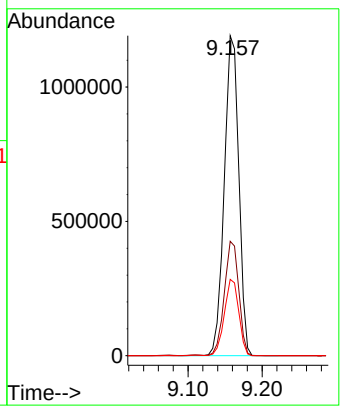
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

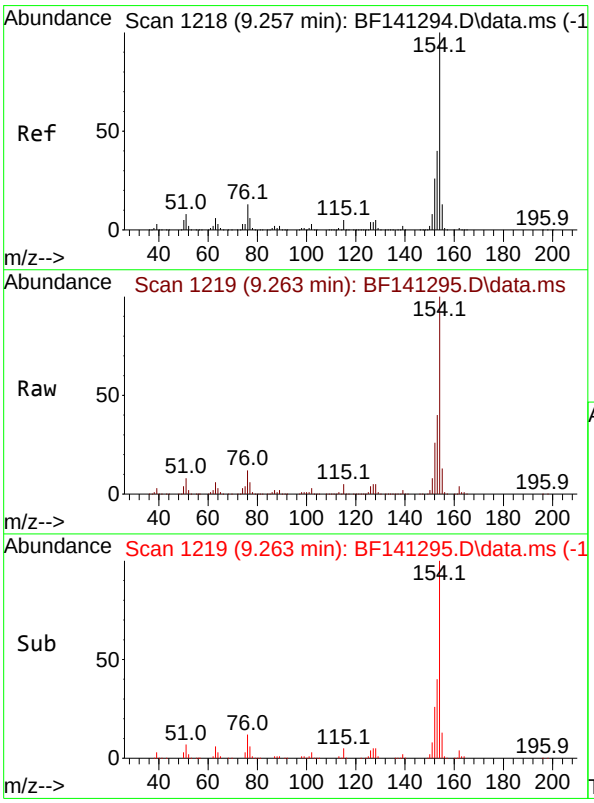
Tgt Ion:172 Resp: 162082

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.8	19.0	28.6

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Supervised By :mohammad ahmed 02/04/2025

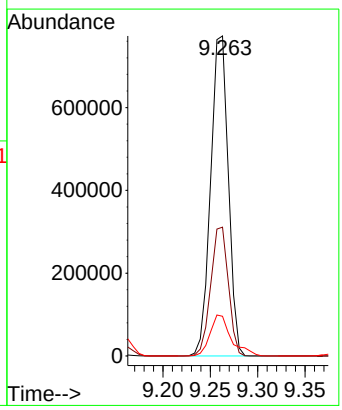


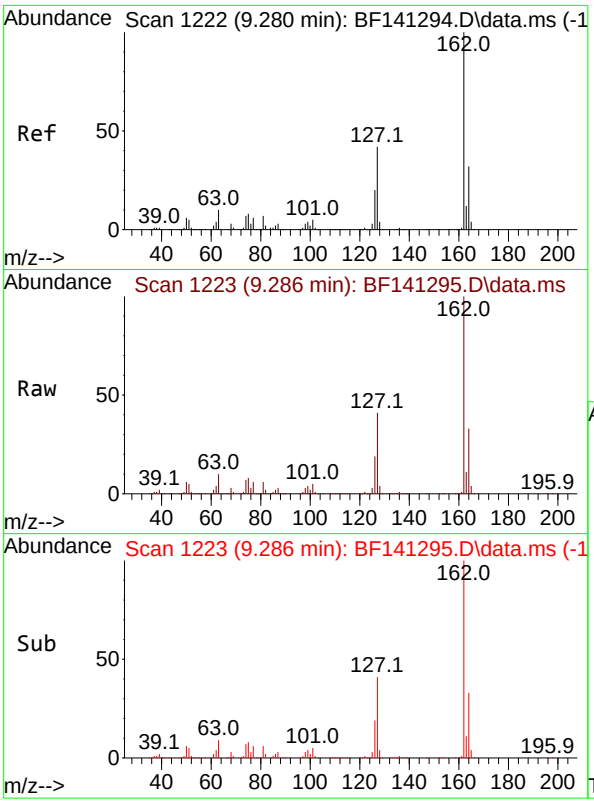


#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.0	60.0
76	12.4	0.0	32.8

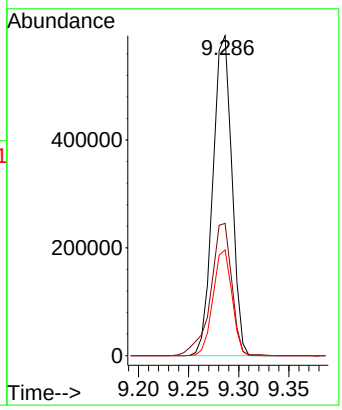




#47
2-Chloronaphthalene
Concen: 47.835 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:162 Resp: 78161

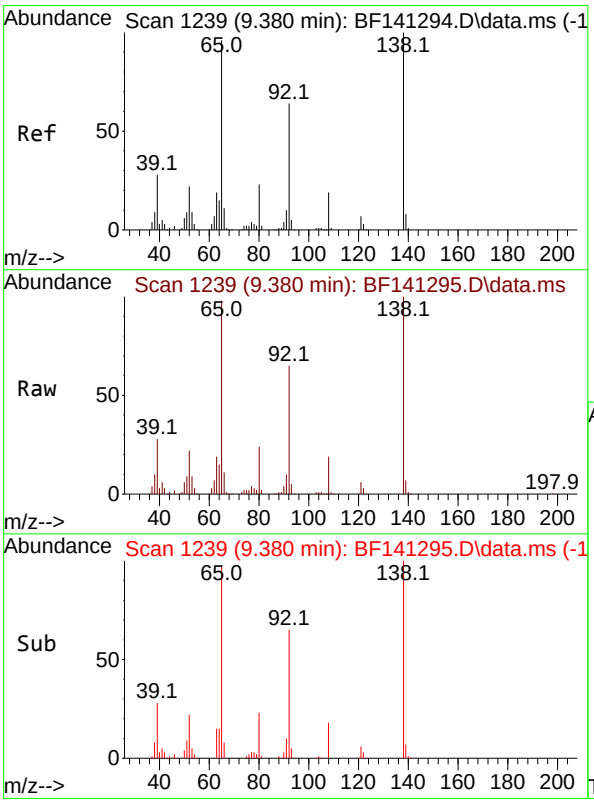
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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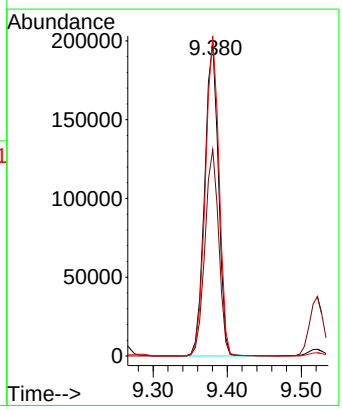
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

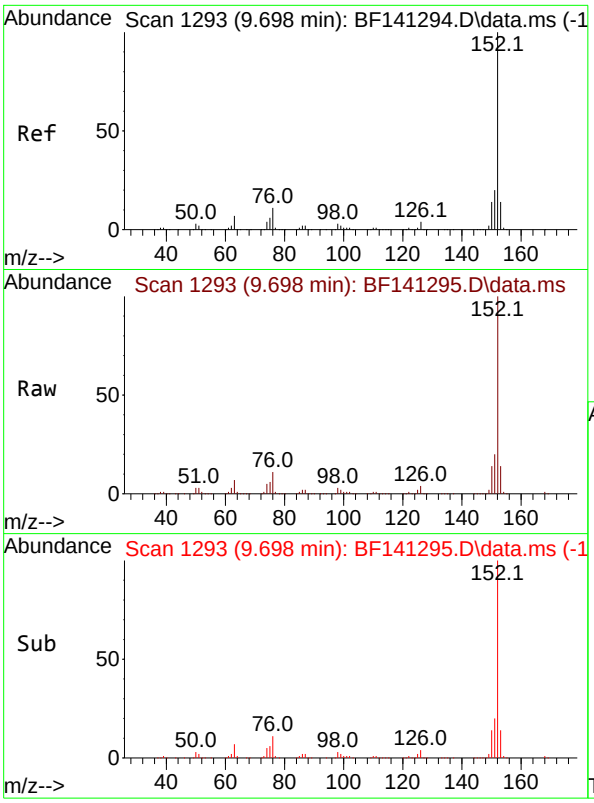


#48
2-Nitroaniline
Concen: 49.907 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 65 Resp: 257199

Ion	Ratio	Lower	Upper
65	100		
92	66.0	53.3	79.9
138	102.3	83.6	125.4





#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

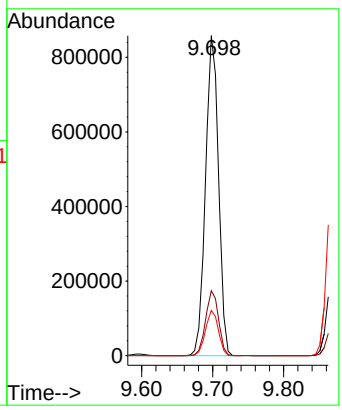
Tgt Ion:152 Resp: 109223

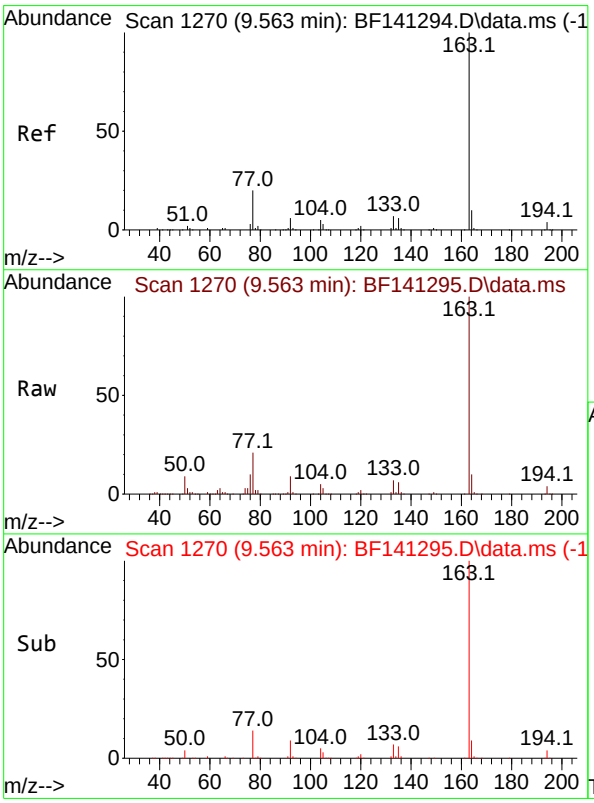
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.2	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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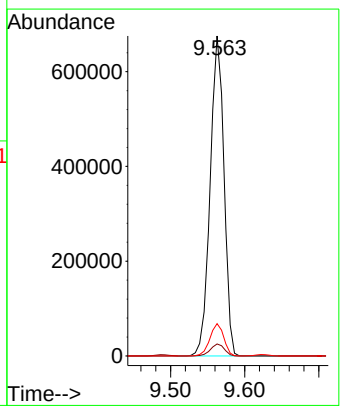


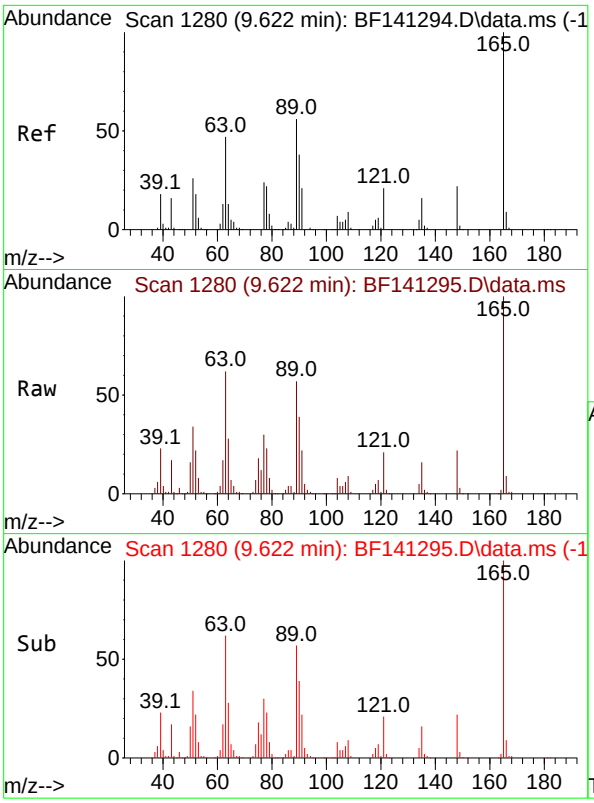


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:163 Resp: 875569

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

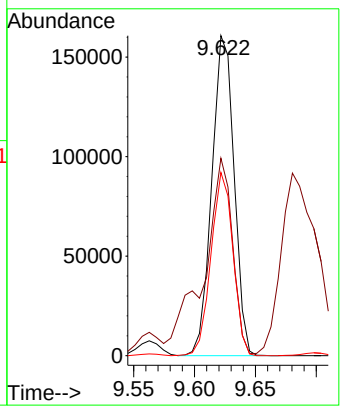
Tgt Ion:165 Resp: 20491

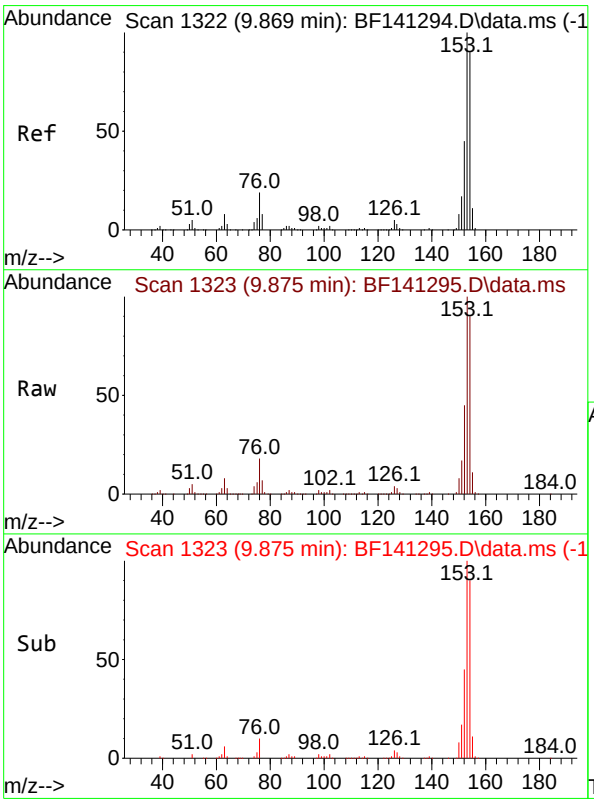
Ion	Ratio	Lower	Upper
165	100		
63	61.7	48.1	72.1
89	57.3	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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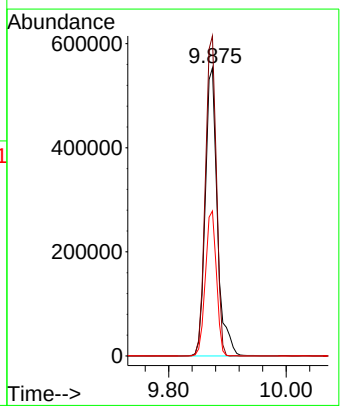


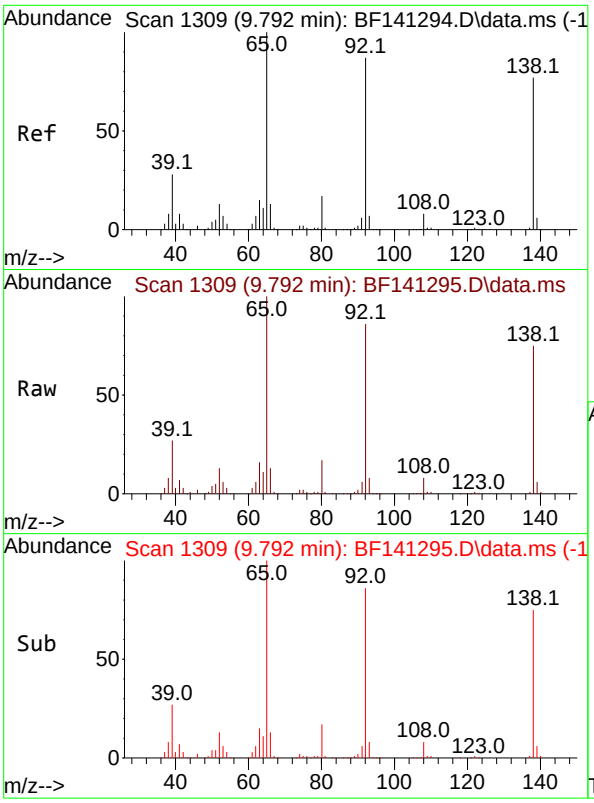


#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 789039

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.0	133.4
152	50.3	40.2	60.4





#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

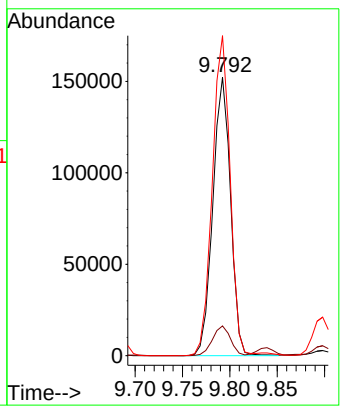
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

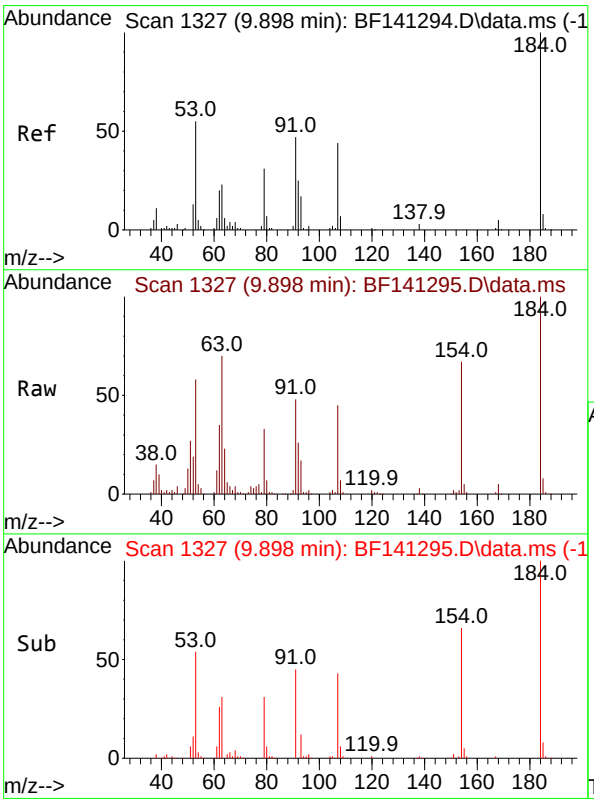
Tgt Ion:138 Resp: 19783

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.0	91.0	136.6

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

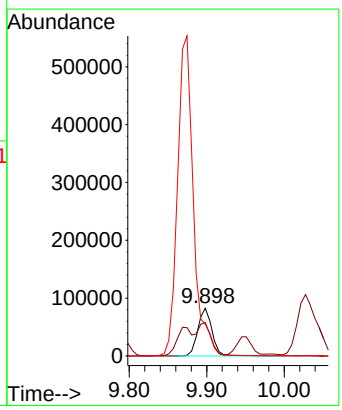


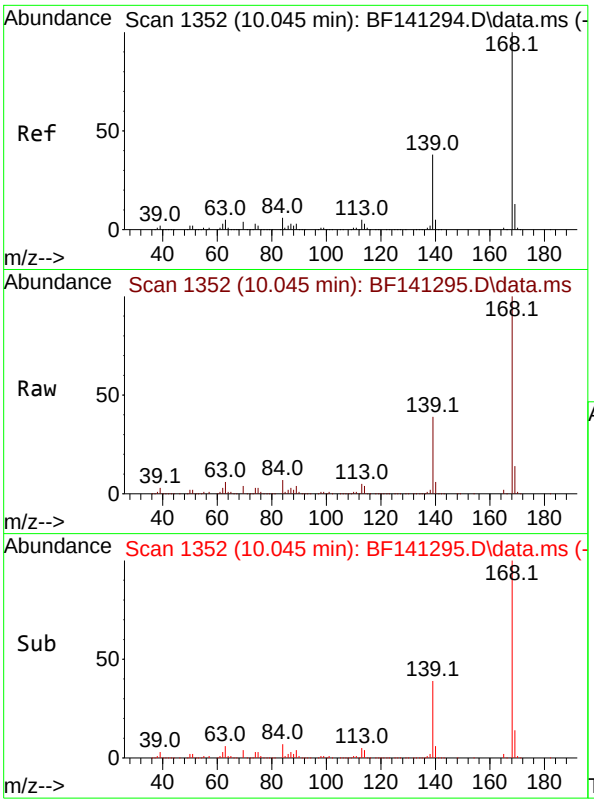


#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313

Ion	Ratio	Lower	Upper
184	100		
63	70.3	54.1	81.1
154	66.8	50.7	76.1





#55
Dibenzofuran
Concen: 47.082 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

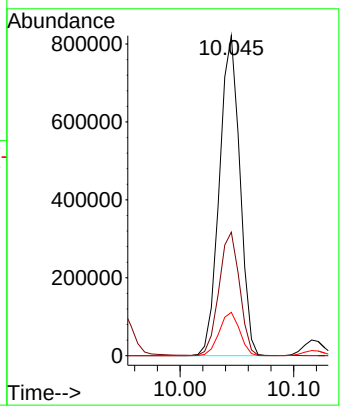
Tgt Ion:168 Resp: 102818

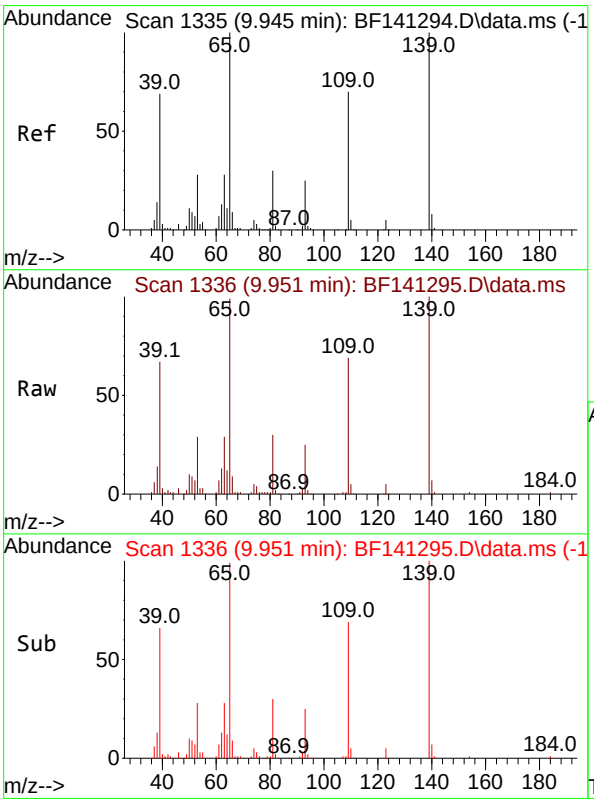
Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	46.0
169	13.6	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

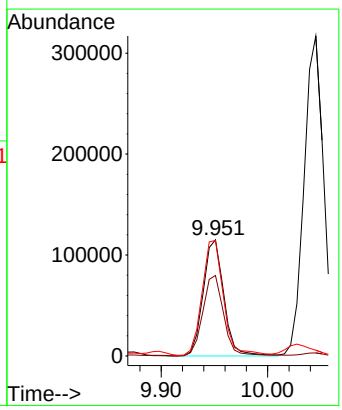


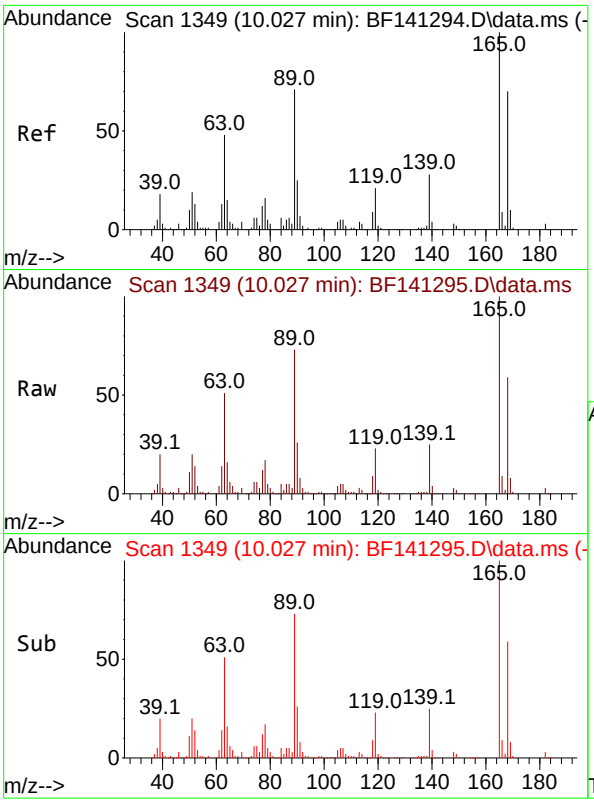


#56
4-Nitrophenol
Concen: 52.067 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 155594

Ion	Ratio	Lower	Upper
139	100		
109	69.3	50.2	90.2
65	99.5	80.6	120.6

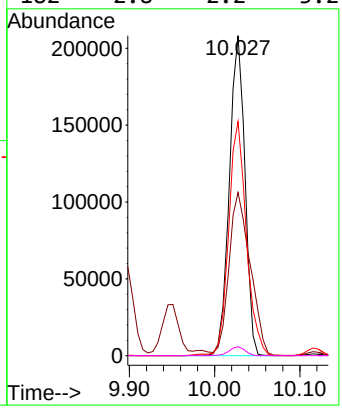




#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:165 Resp: 26432

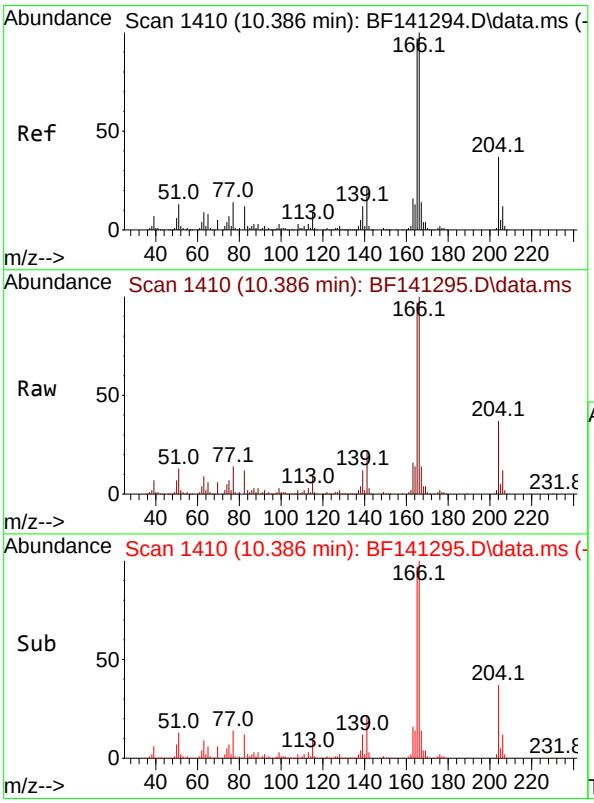
Ion	Ratio	Lower	Upper
165	100		
63	51.0	39.2	58.8
89	73.1	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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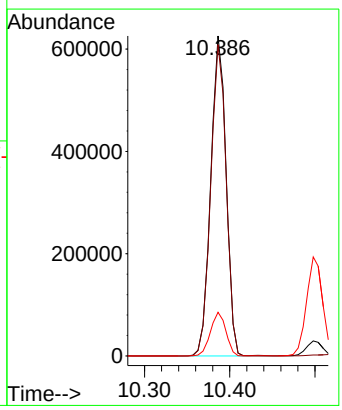
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

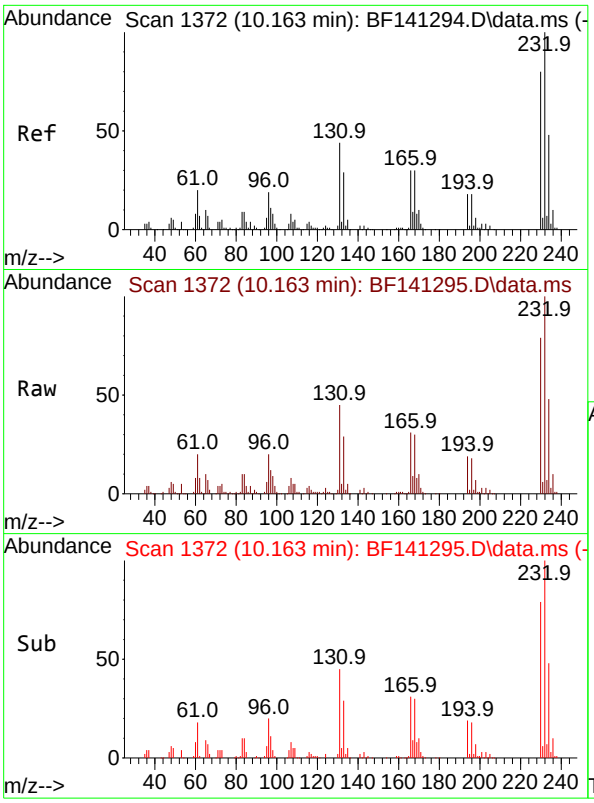


#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:166 Resp: 784644

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.6	10.9	16.3

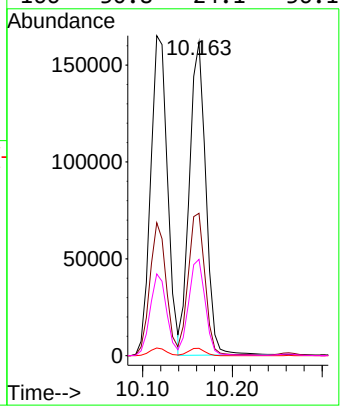




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:232 Resp: 20550

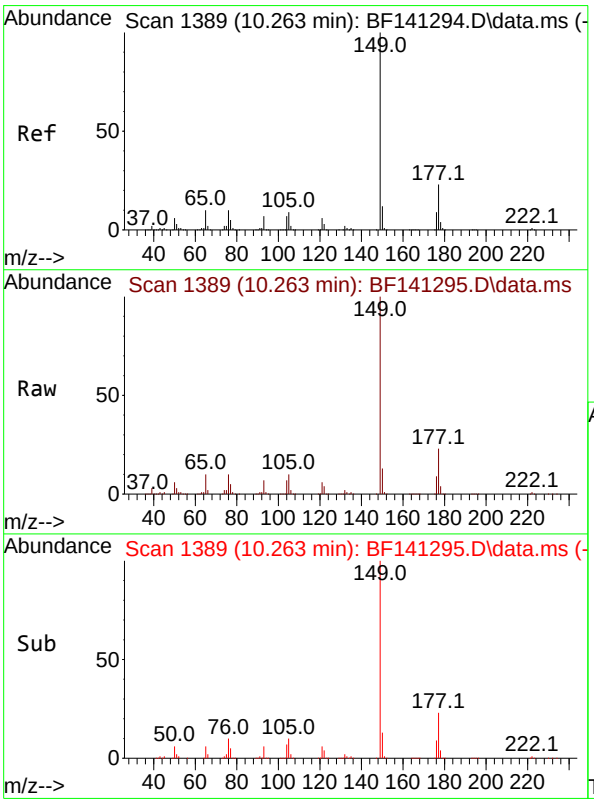
Ion	Ratio	Lower	Upper
232	100		
131	46.9	36.4	54.6
130	2.4	1.9	2.9
166	30.8	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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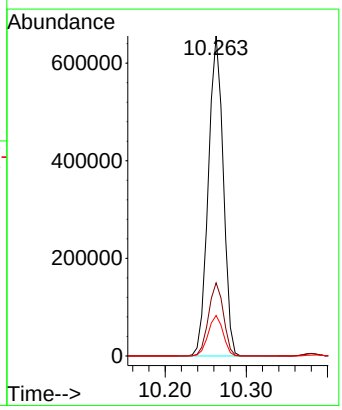
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

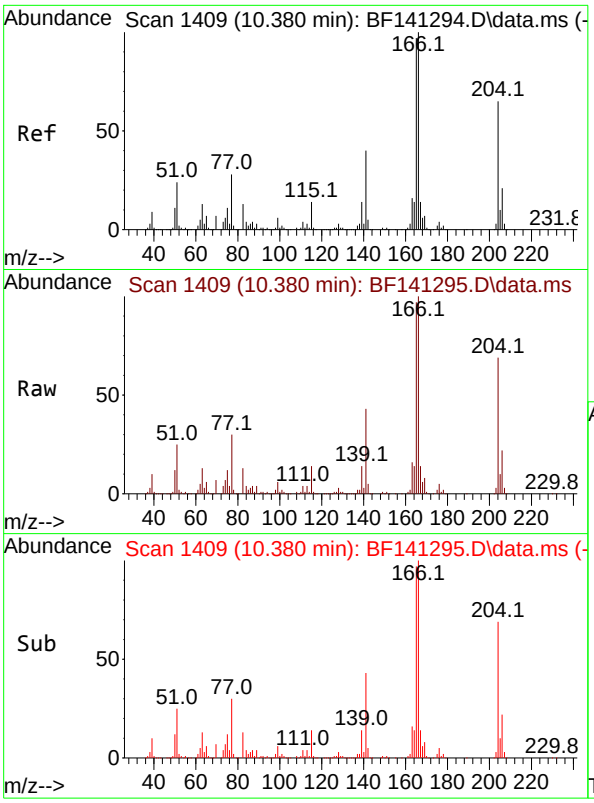


#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 834803

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

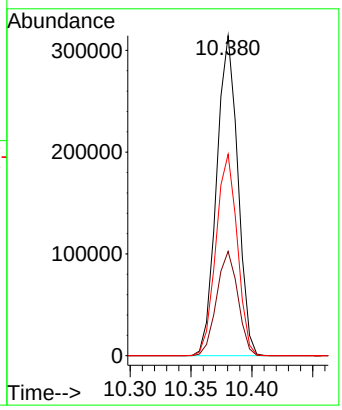
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

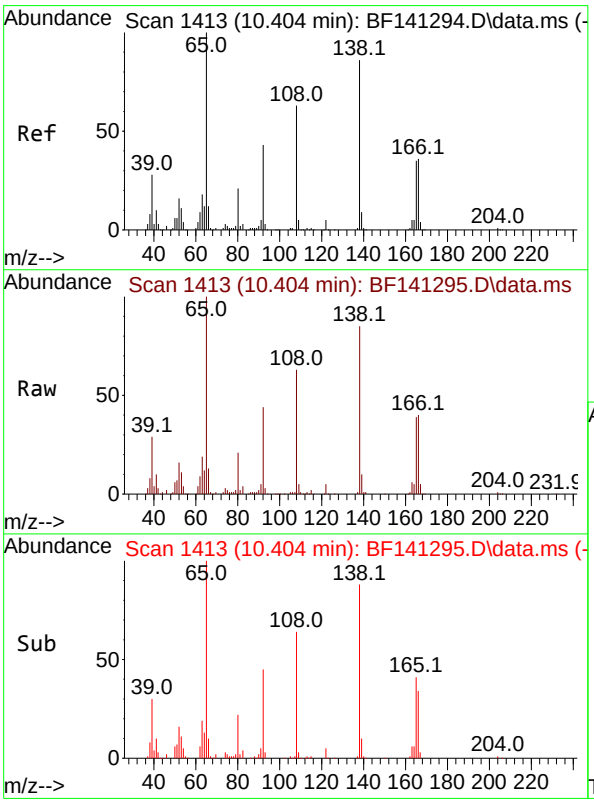
Tgt Ion:204 Resp: 380948

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	62.9	49.5	74.3

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Supervised By :mohammad ahmed 02/04/2025

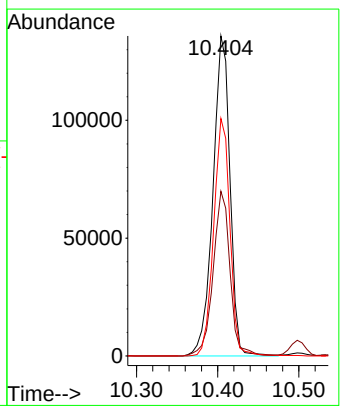


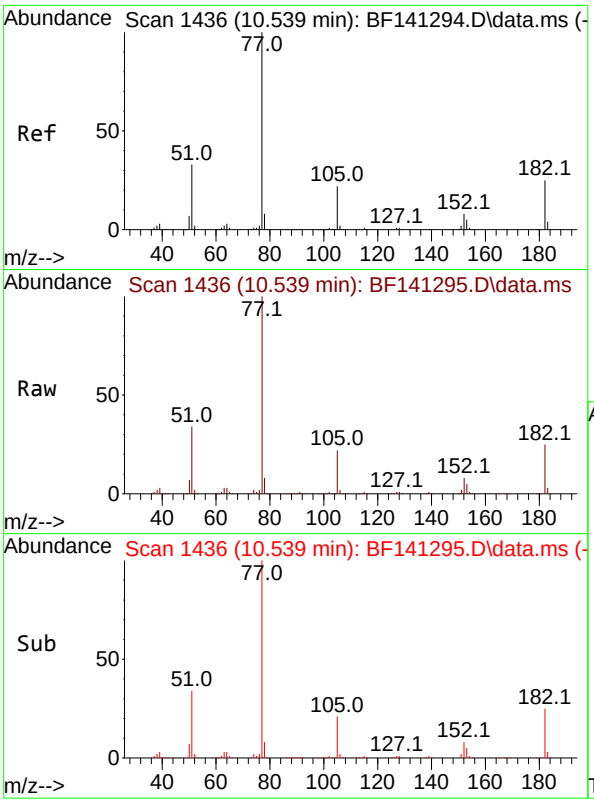


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:138 Resp: 198241

Ion	Ratio	Lower	Upper
138	100		
92	51.5	30.1	70.1
108	74.2	53.1	93.1

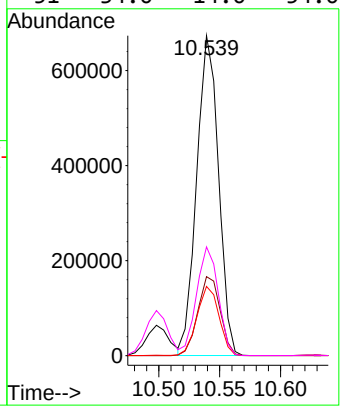




#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 84179

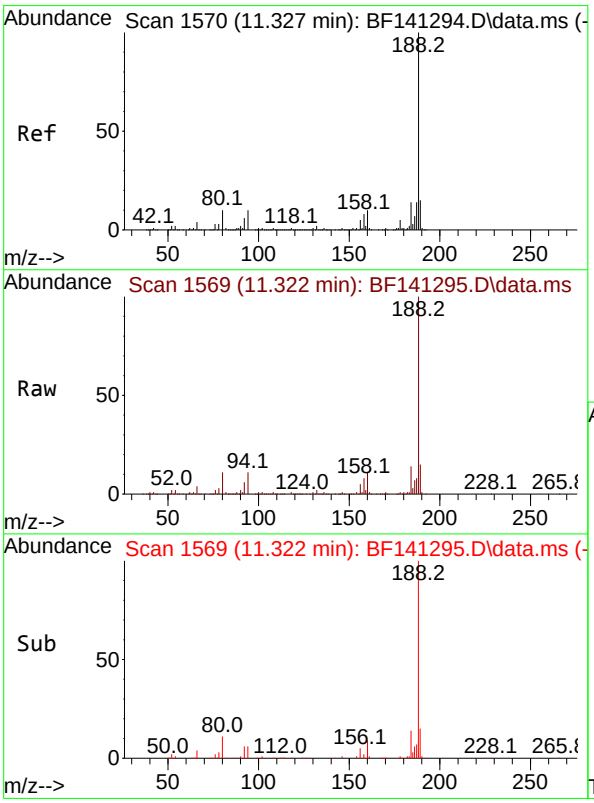
Ion	Ratio	Lower	Upper
77	100		
182	24.7	5.1	45.1
105	21.7	1.8	41.8
51	34.0	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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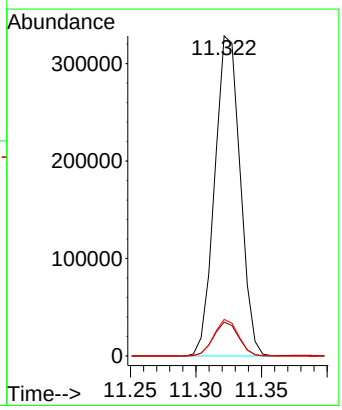
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

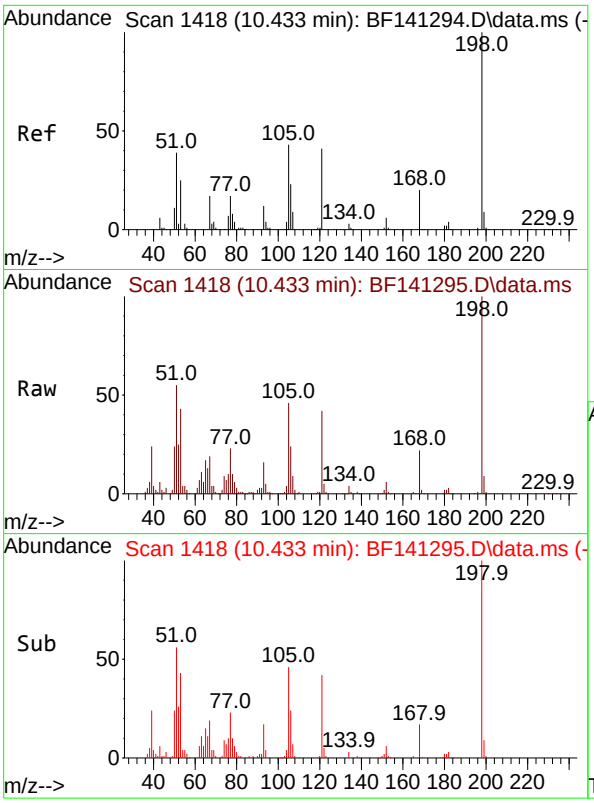


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:188 Resp: 442506

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.4	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

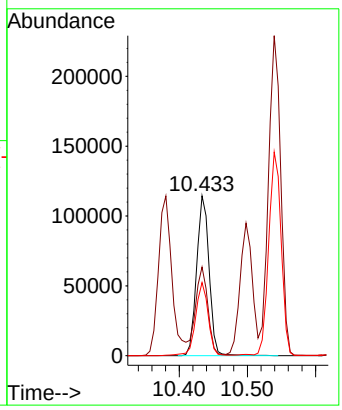
Tgt Ion:198 Resp: 14457

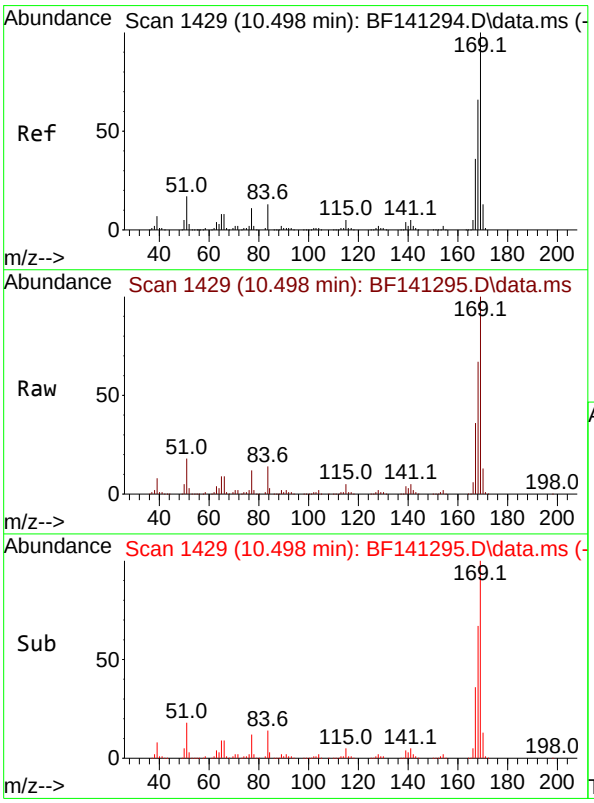
Ion	Ratio	Lower	Upper
198	100		
51	55.4	33.4	73.4
105	45.8	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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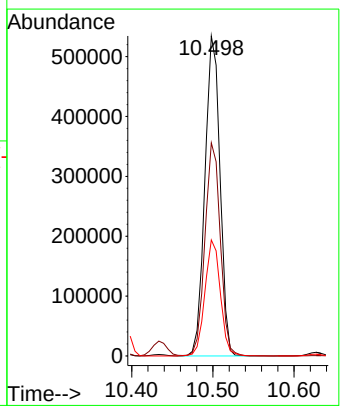


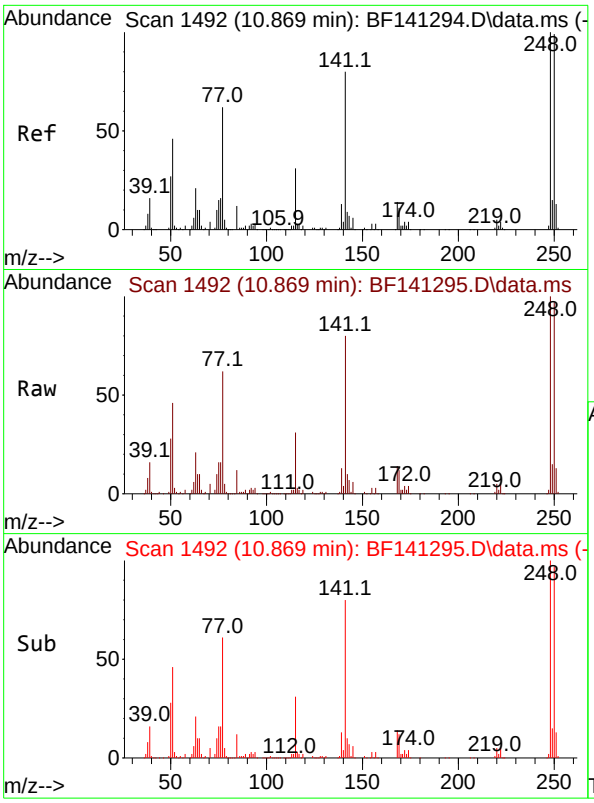


#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:169 Resp: 688202

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.2	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

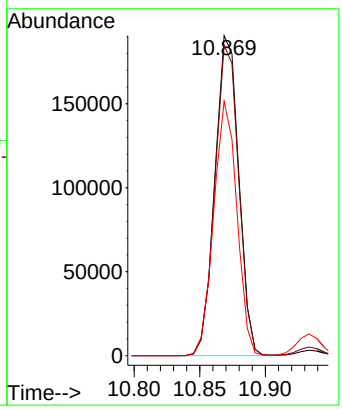
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ClientSampleId :
SSTDICC050

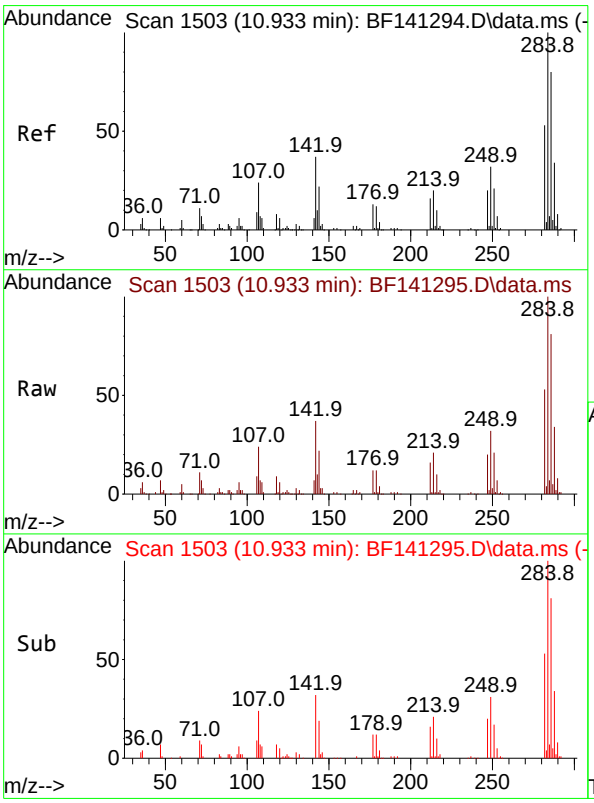
Tgt Ion:248 Resp: 24112

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	79.5	63.7	95.5

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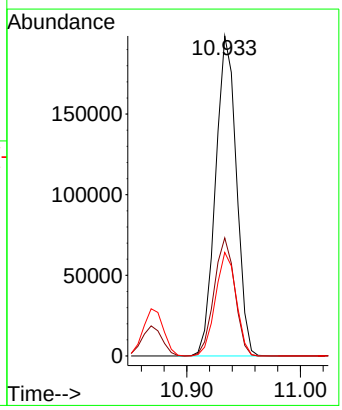


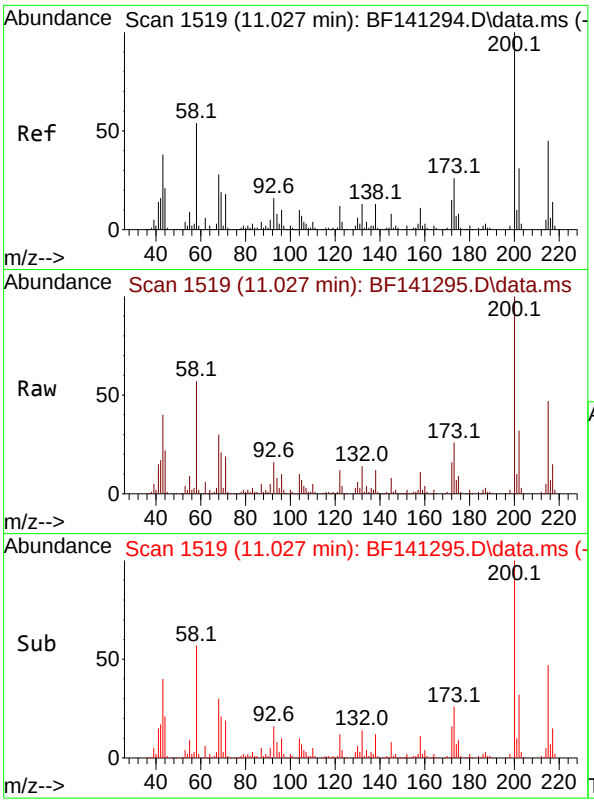


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:284 Resp: 253174

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	32.3	25.4	38.2





#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

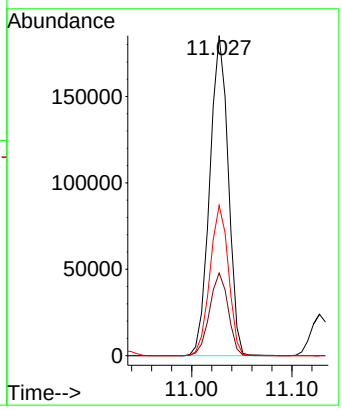
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

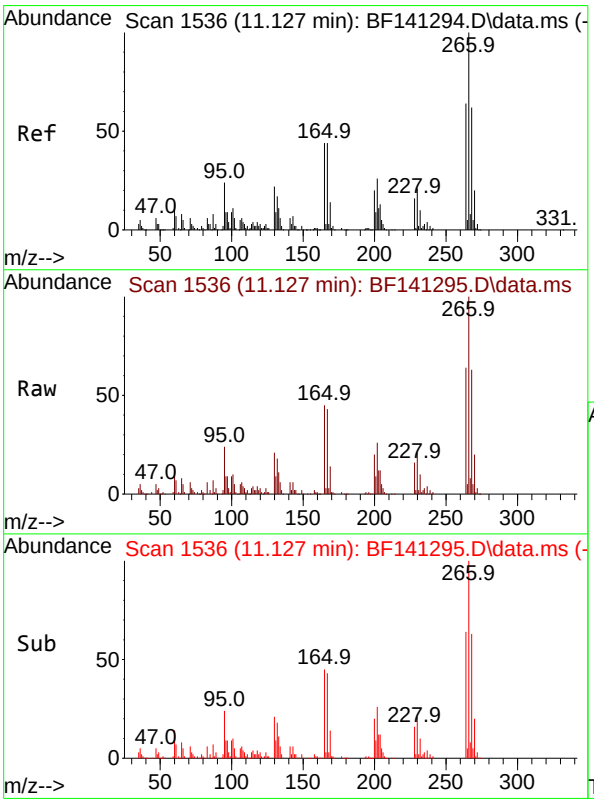
Tgt Ion:200 Resp: 23799

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	46.9	25.2	65.2

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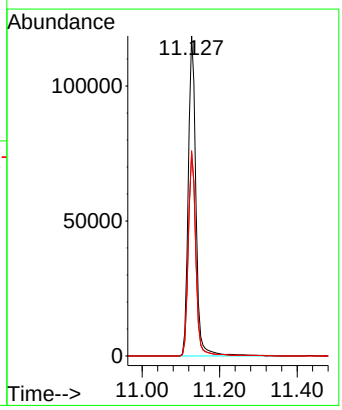


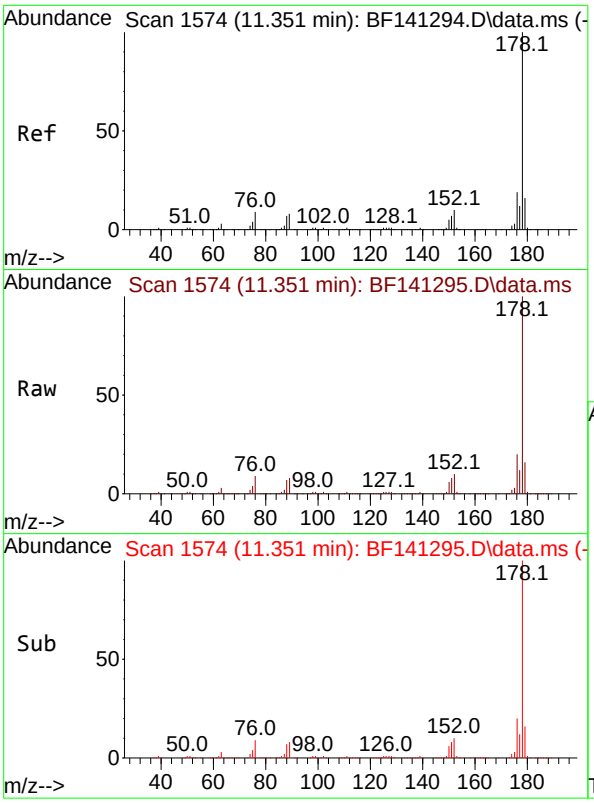


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:266 Resp: 161568

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.9	74.9
264	64.1	51.0	76.4

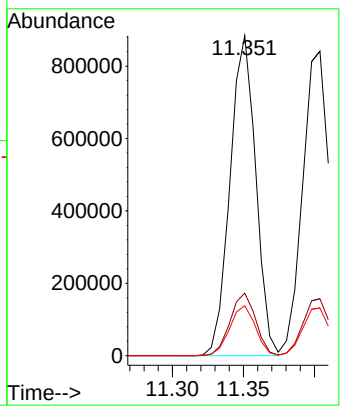




#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 111492

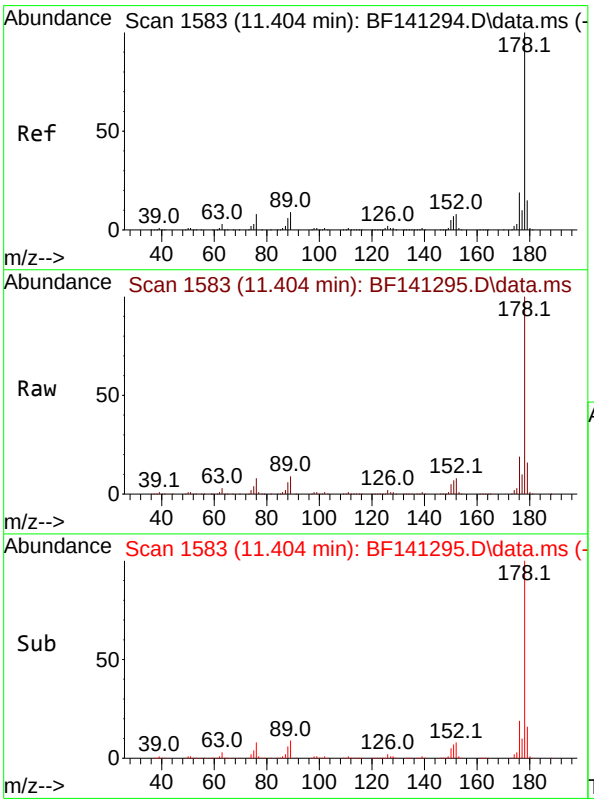
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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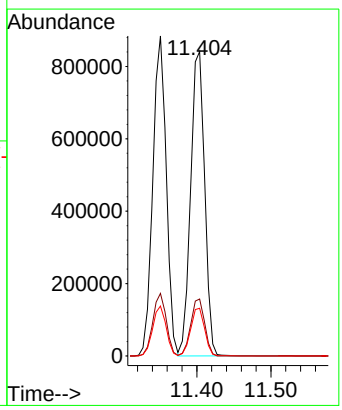
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

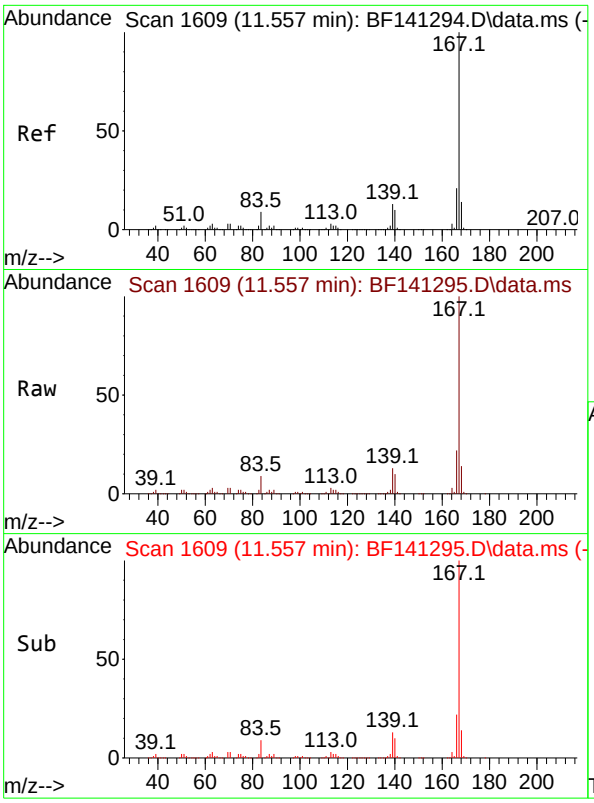


#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 1105681

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

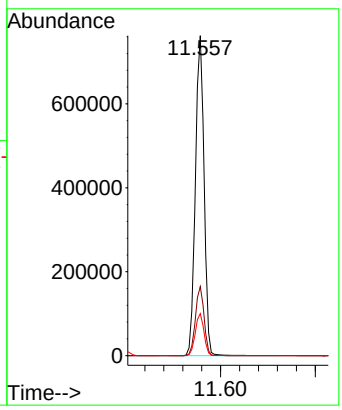




#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:167 Resp: 97154

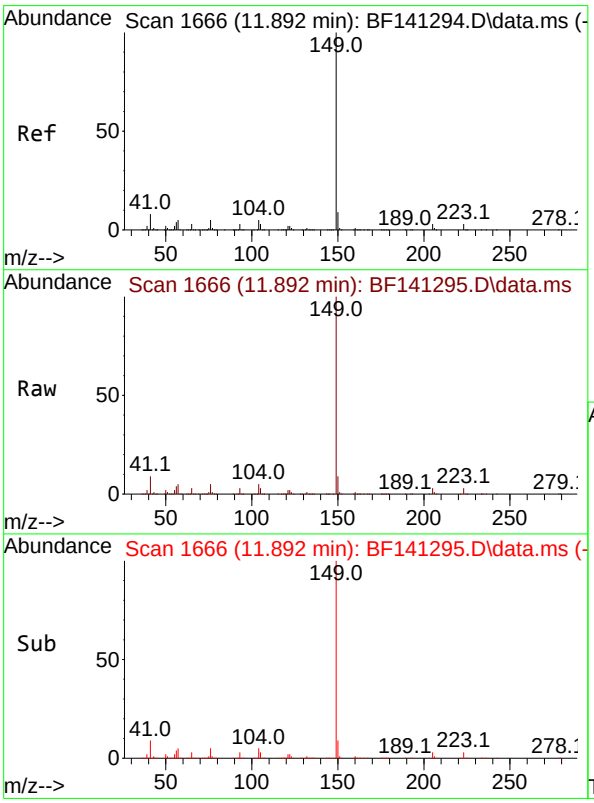
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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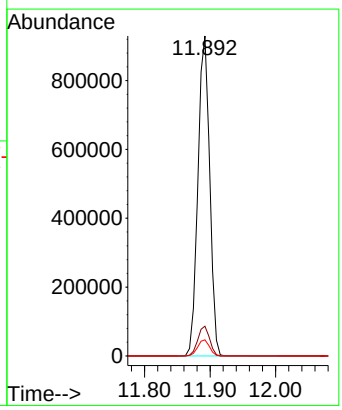
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

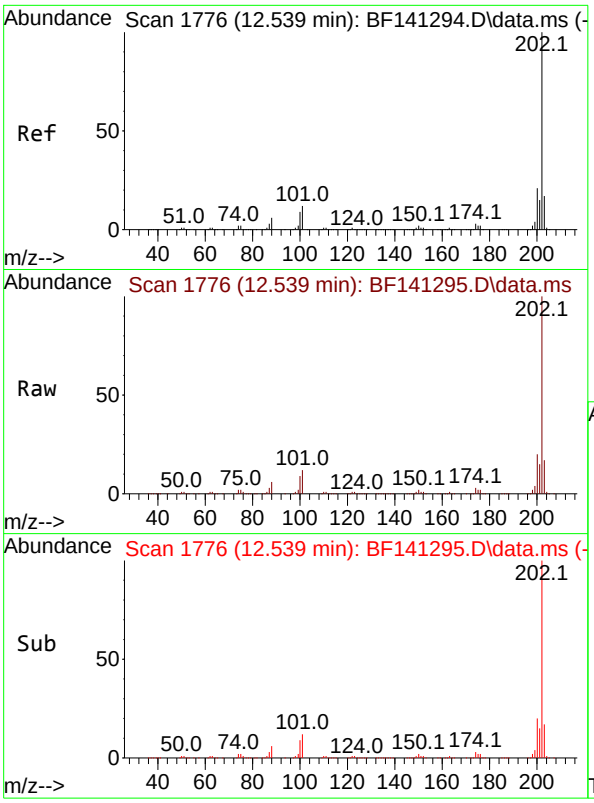


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 1162607

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

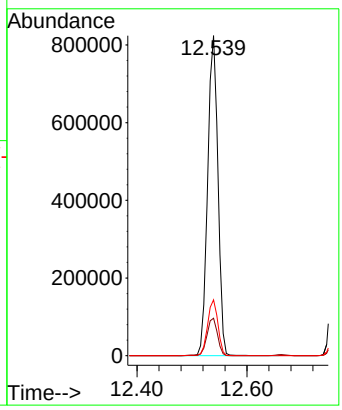




#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 106551

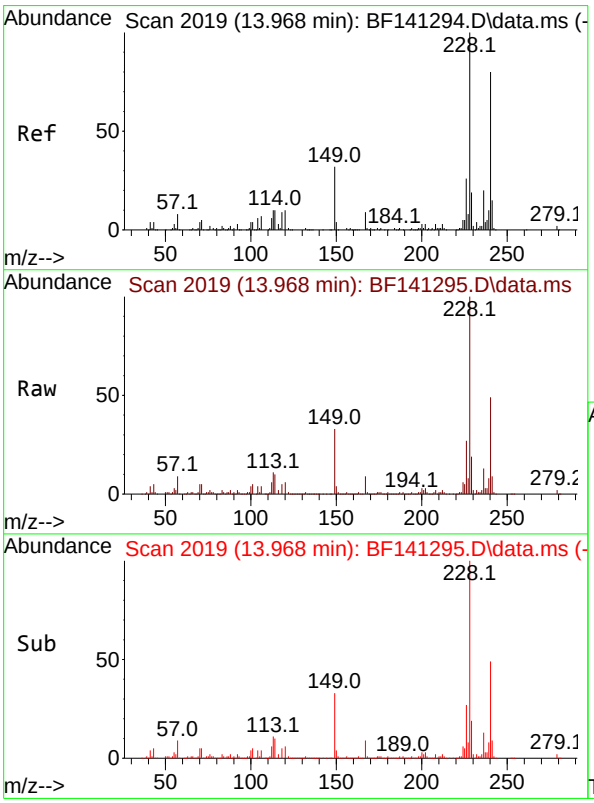
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

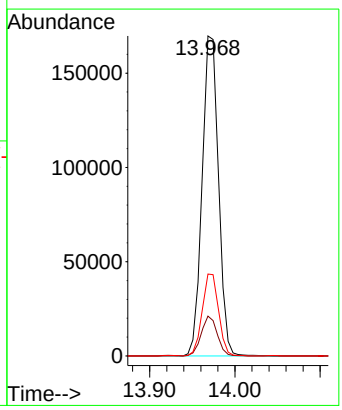
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

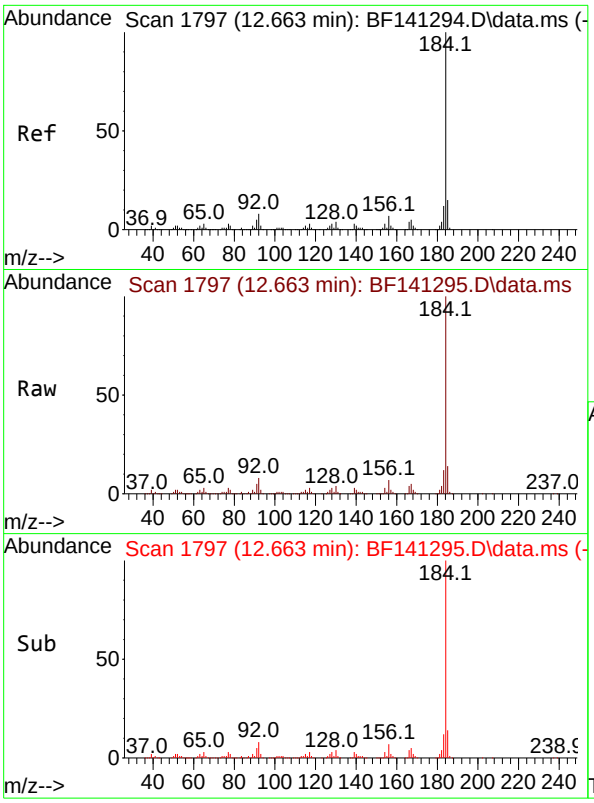


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:240 Resp: 226571

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	25.6	19.7	29.5

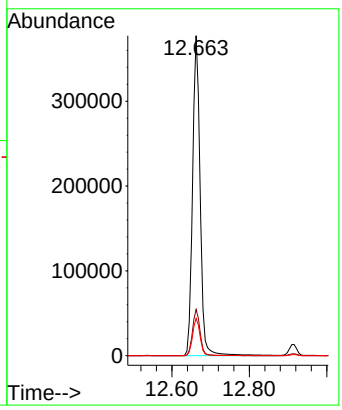




#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 51335

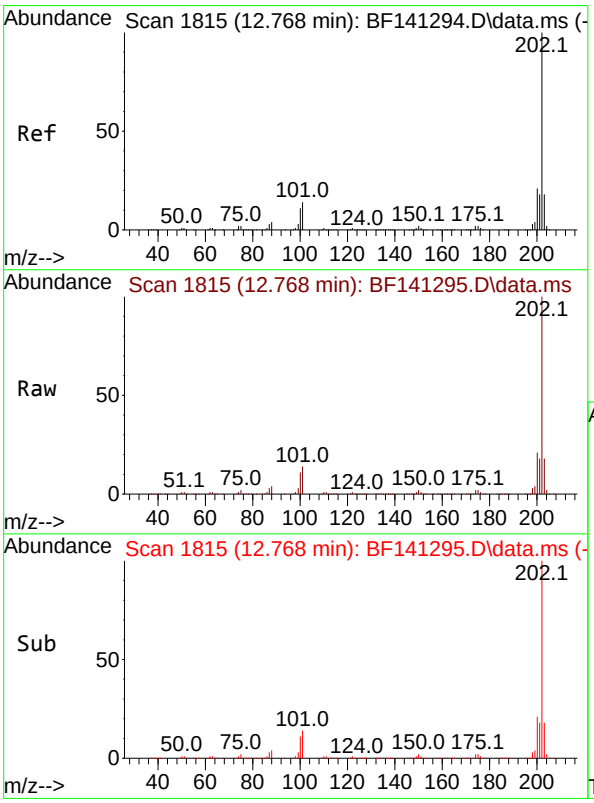
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

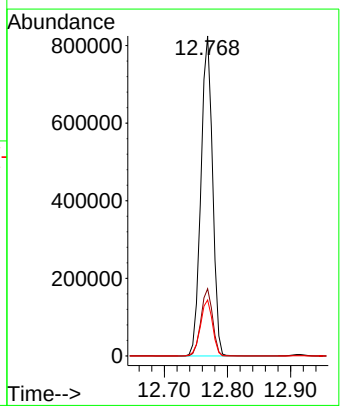
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

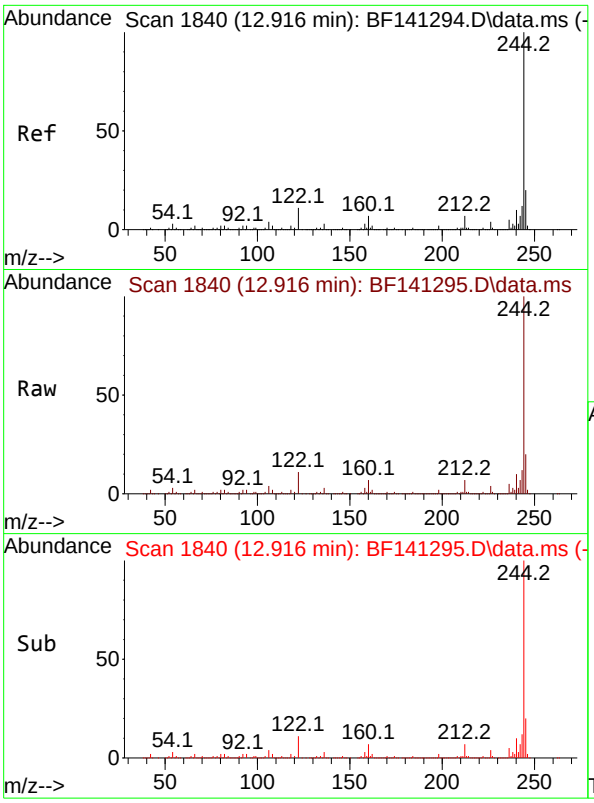


#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.3	21.5

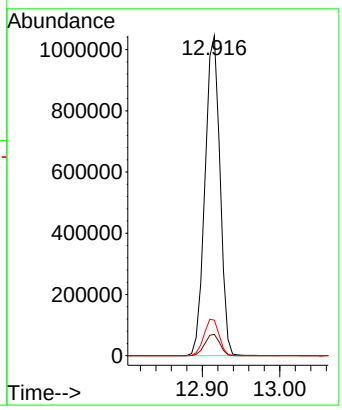




#79
Terphenyl-d14
Concen: 95.222 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:244 Resp: 140210

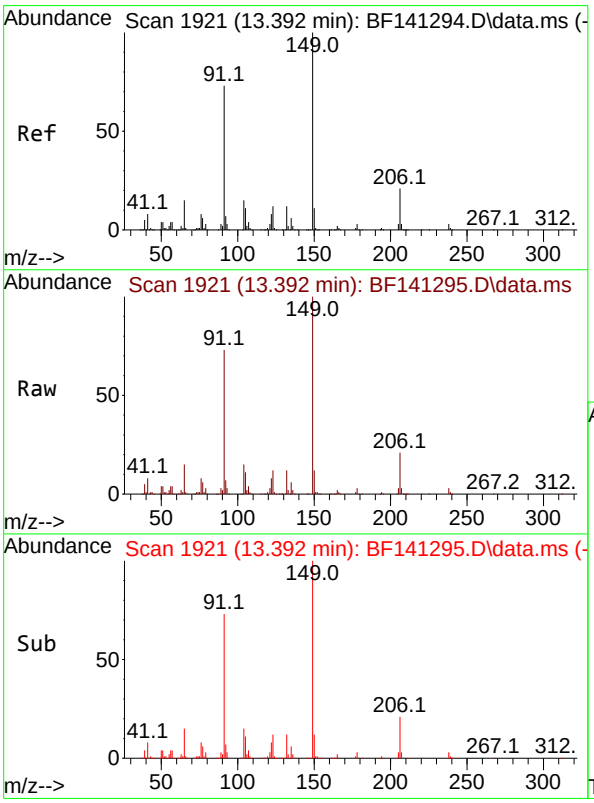
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

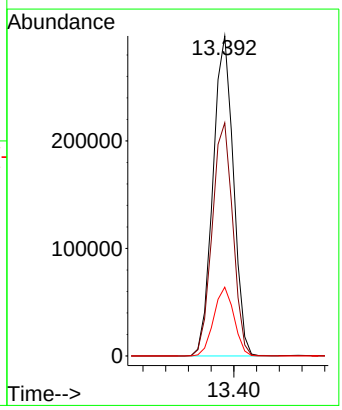
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

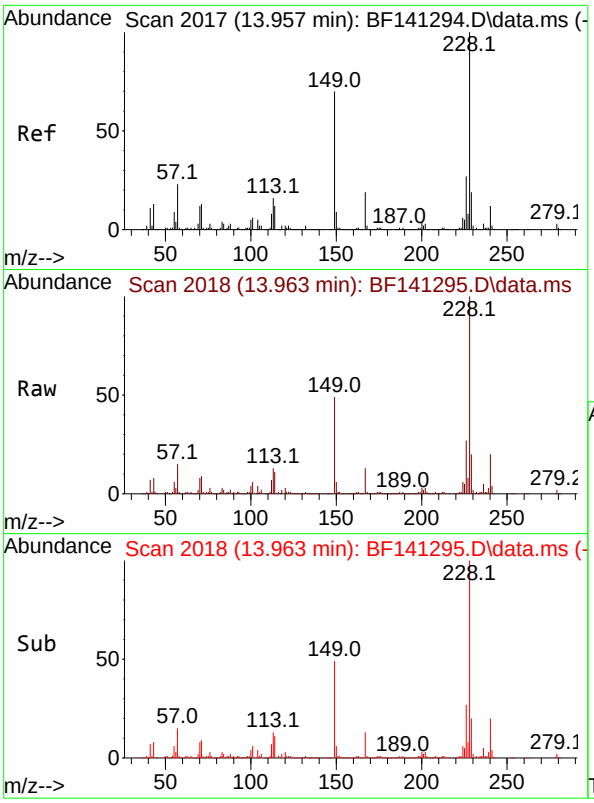


#80
Butylbenzylphthalate
Concen: 49.222 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 371889

Ion	Ratio	Lower	Upper
149	100		
91	72.9	58.6	87.8
206	21.5	16.7	25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

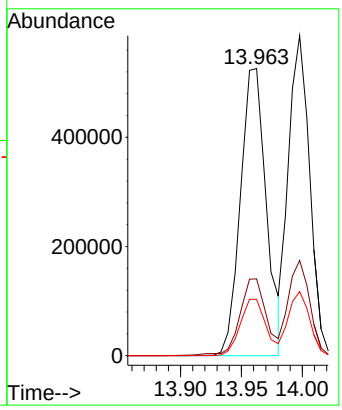
Tgt Ion:228 Resp: 77892

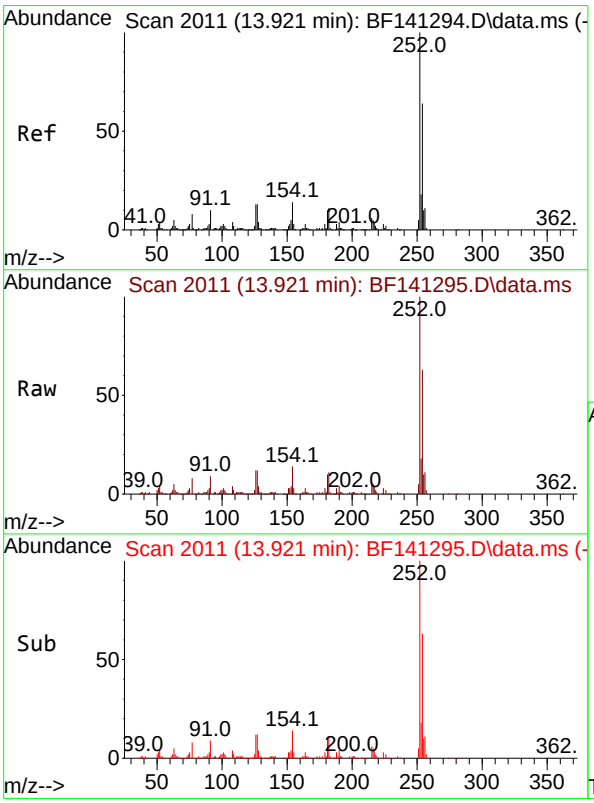
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.6	15.5	23.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

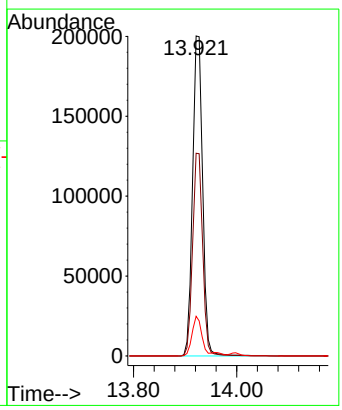


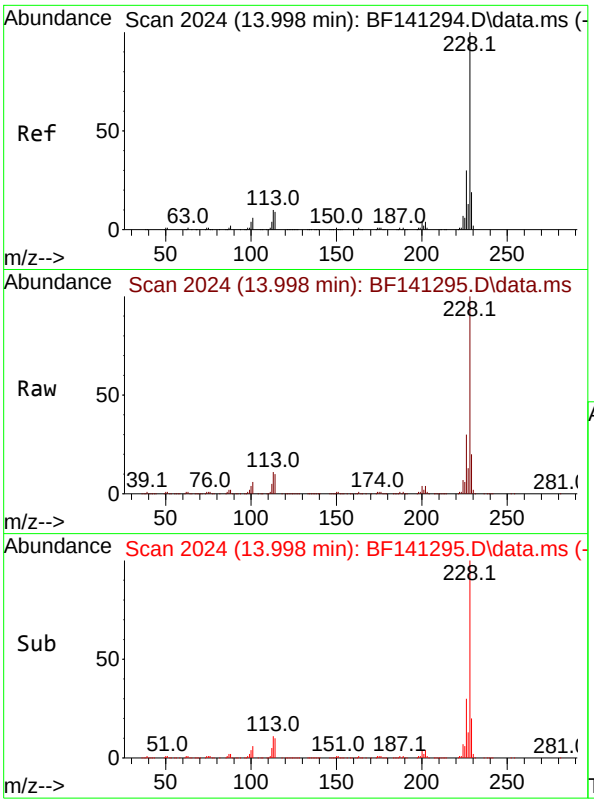


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 270572

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.4	10.0	15.0

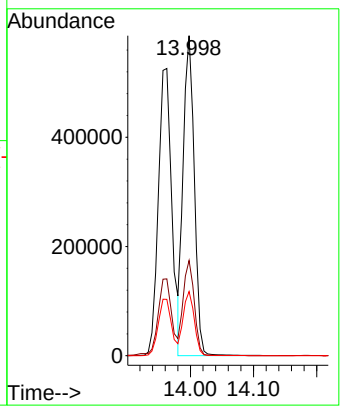




#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:228 Resp: 71756

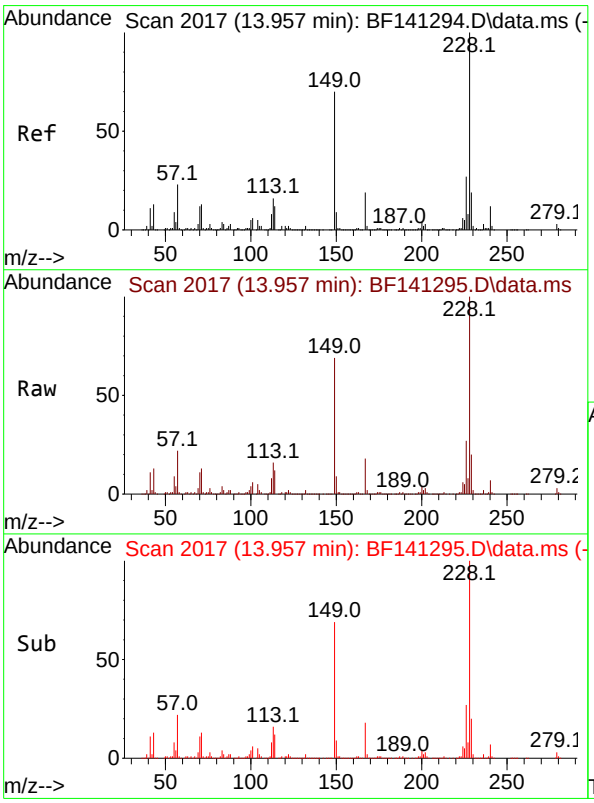
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	20.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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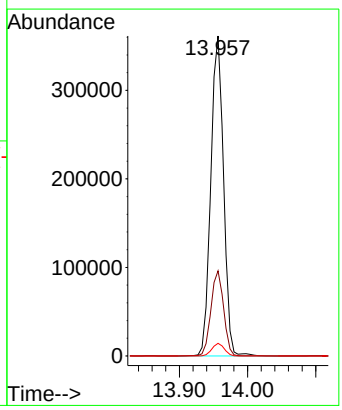
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

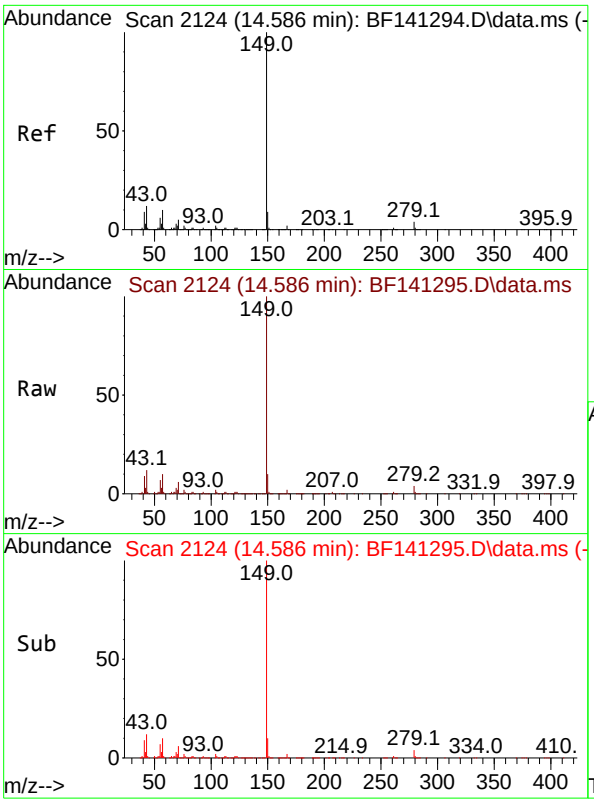


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 470441

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

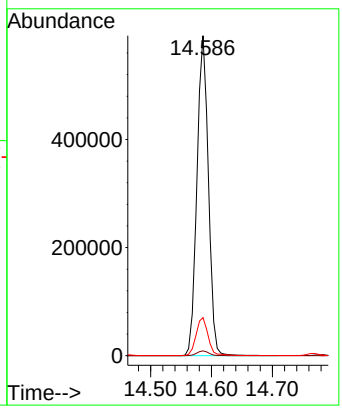
Tgt Ion:149 Resp: 77303

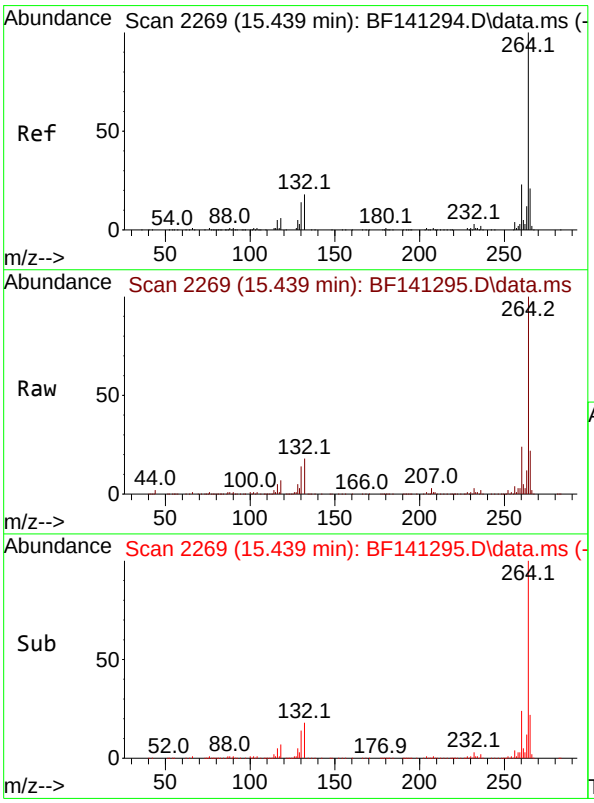
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

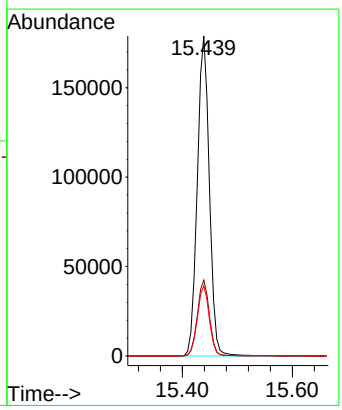


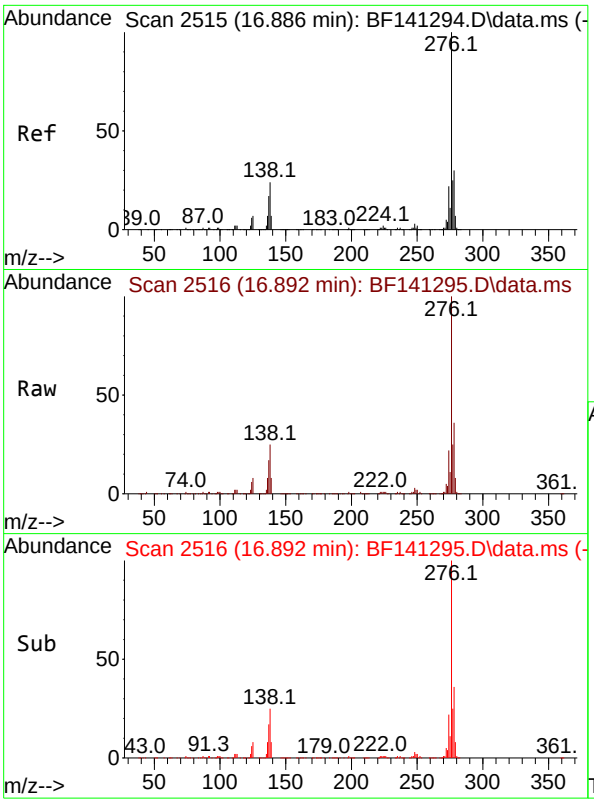


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:264 Resp: 272084

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.0	16.7	25.1

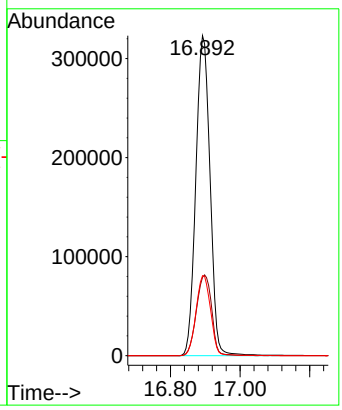




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 91671

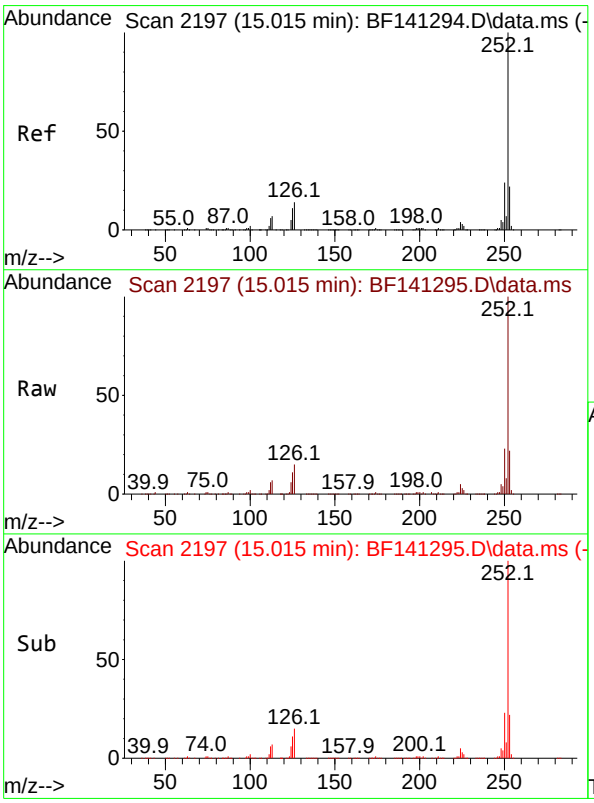
Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

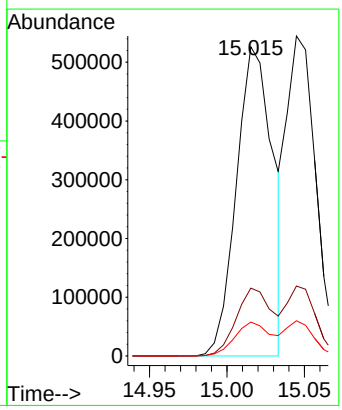
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

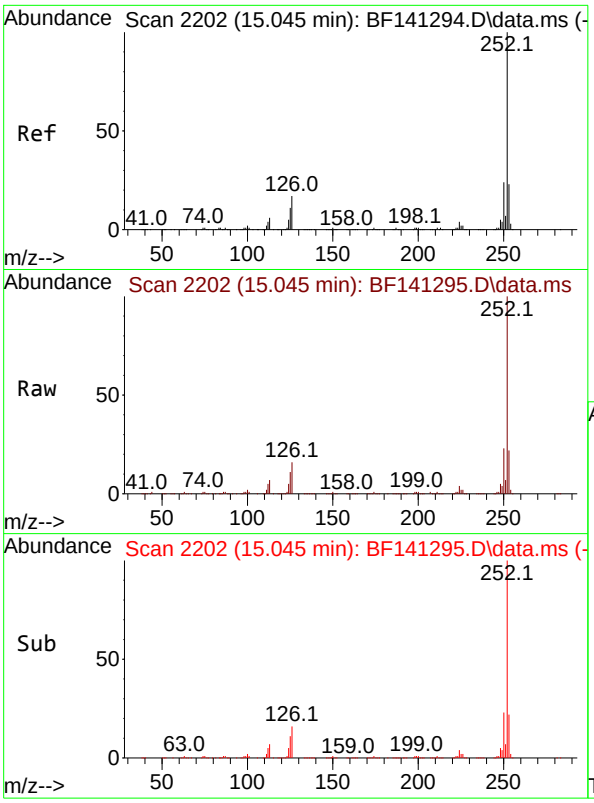


#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 860351

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 47.153 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

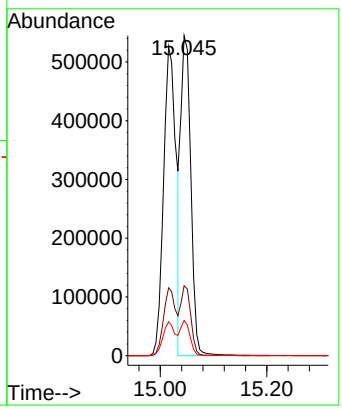
Tgt Ion:252 Resp: 71350

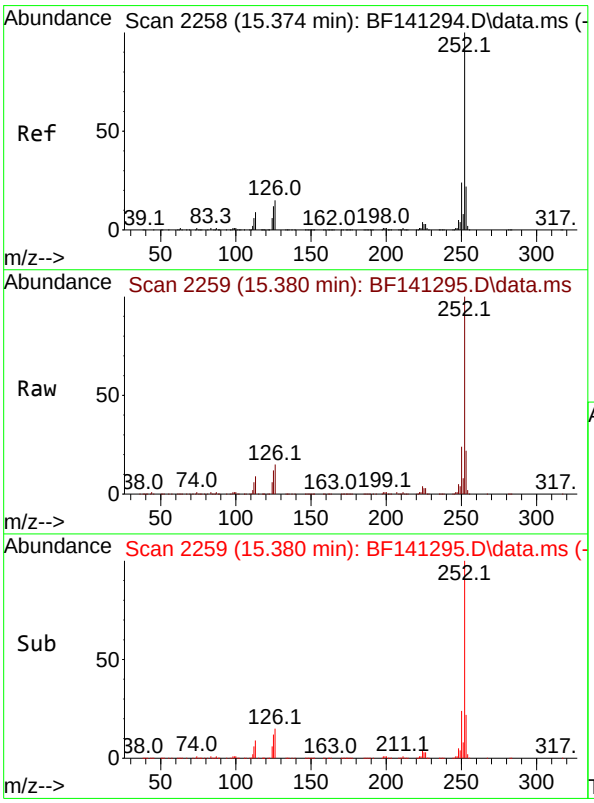
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

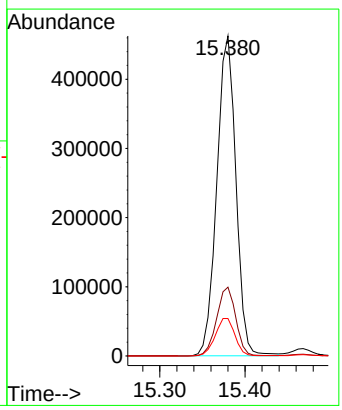


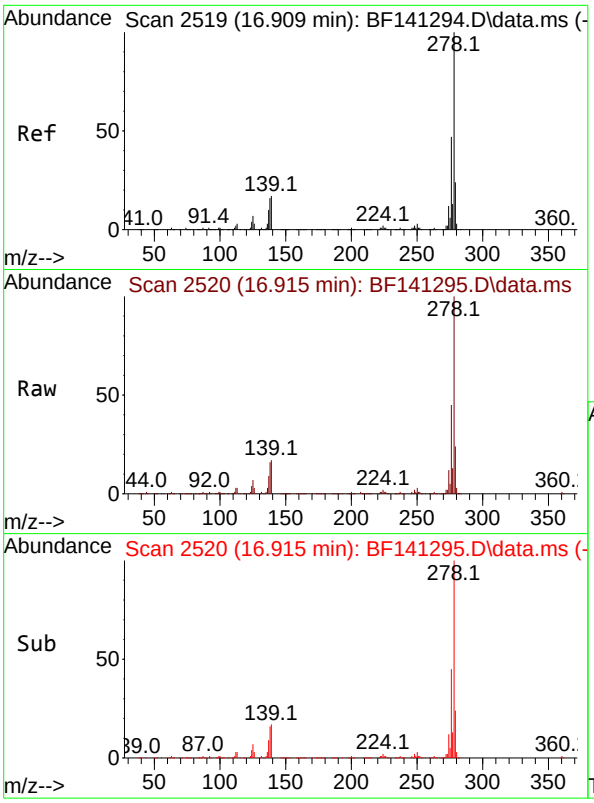


#90
Benzo(a)pyrene
Concen: 49.985 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 721834

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.7	9.4	14.2

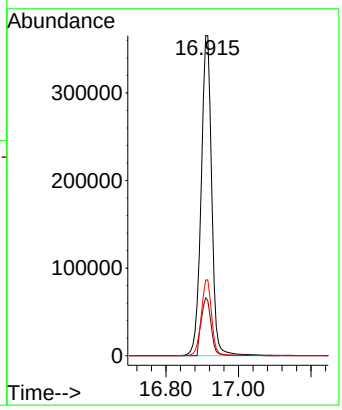




#91
Dibenzo(a,h)anthracene
Concen: 51.907 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:278 Resp: 73939

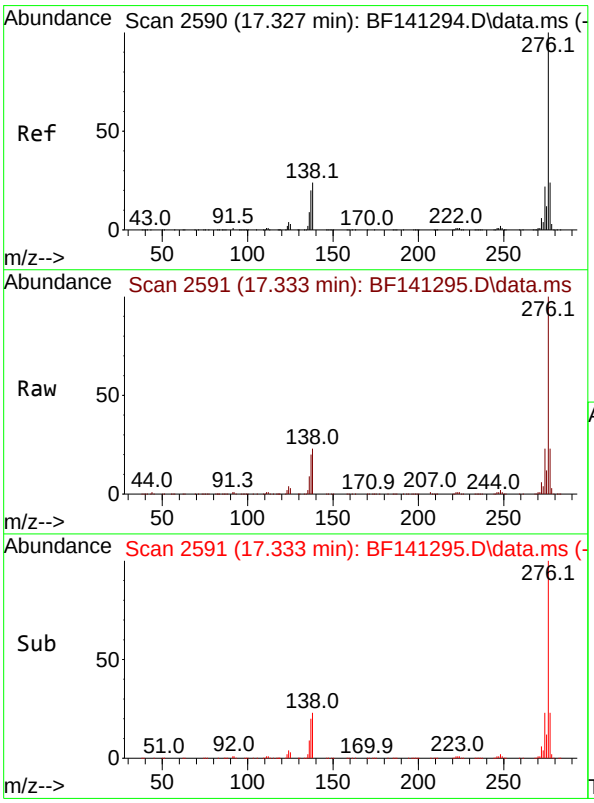
Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

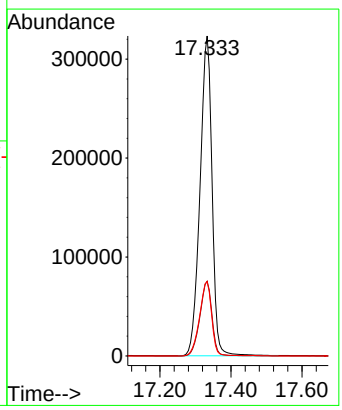
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 50.990 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 764064

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	23.2	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng		0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng		0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng		0.00
86) Perylene-d12	15.451	264	265921	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	952391	113.729	ng		0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng		0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng		0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng		0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng		99
3) Pyridine	3.216	79	527201	60.698	ng		99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng		99
6) Aniline	6.463	93	506937	55.493	ng	#	89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng		98
9) Benzaldehyde	6.351	77	314238	48.677	ng		98
10) Phenol	6.445	94	640034	56.549	ng		94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng		99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng		99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng		100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng		99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng		99
17) 2-Methylphenol	7.057	107	420597	58.211	ng		99
18) Hexachloroethane	7.316	117	210746	57.649	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng		97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng		98
22) Acetophenone	7.216	105	651575	53.679	ng		99
24) Nitrobenzene	7.386	77	572234	58.138	ng		99
25) Isophorone	7.622	82	953671	58.383	ng		98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng		99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng		99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng		99
31) Naphthalene	8.104	128	1475900	54.933	ng		99
32) Benzoic acid	7.863	122	380664m	76.193	ng		
33) 4-Chloroaniline	8.157	127	513149	56.786	ng		99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng		100
35) Caprolactam	8.533	113	141023	60.337	ng		99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng		97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng		98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng		100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng		100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

ICAL Form

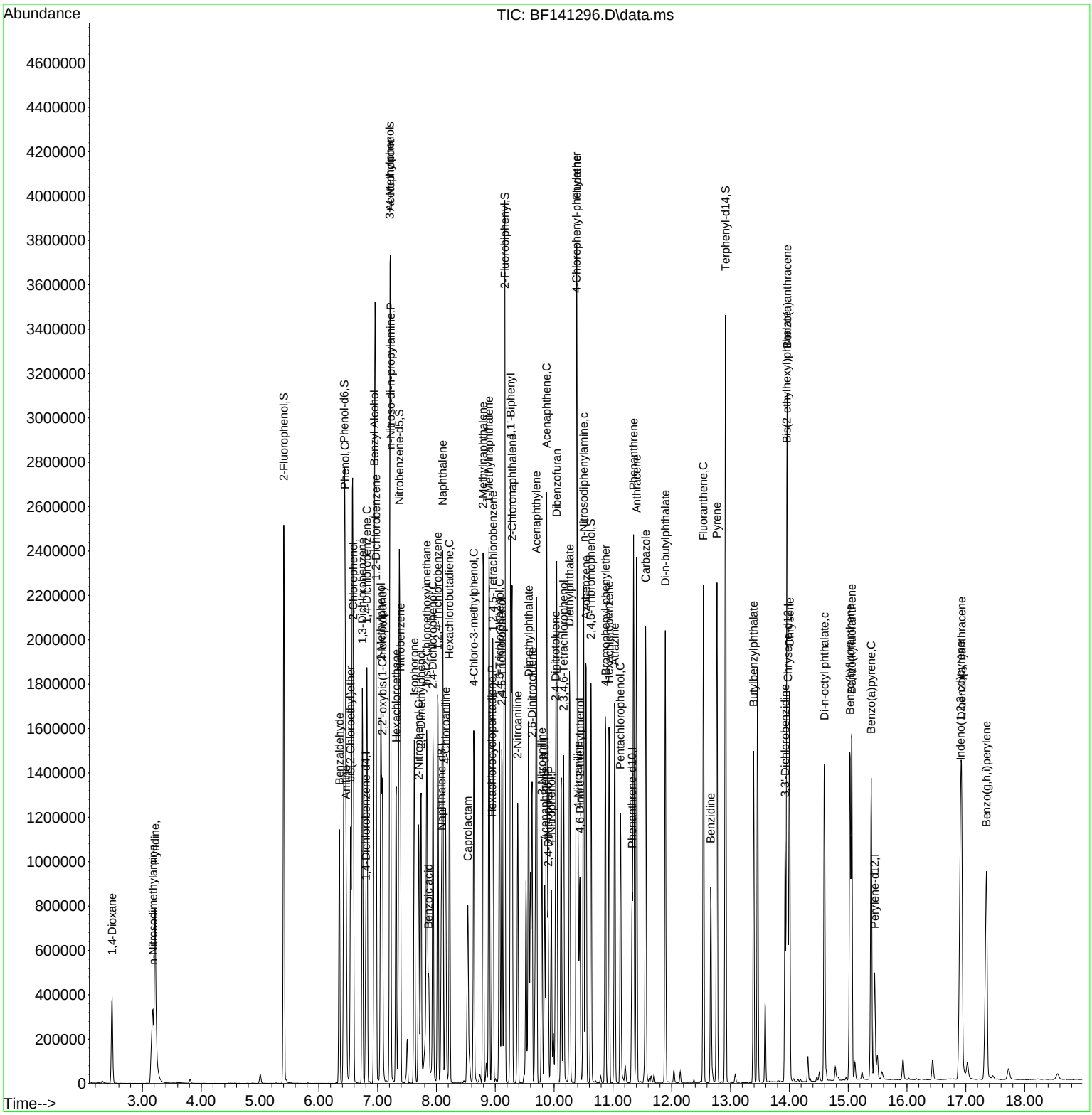
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

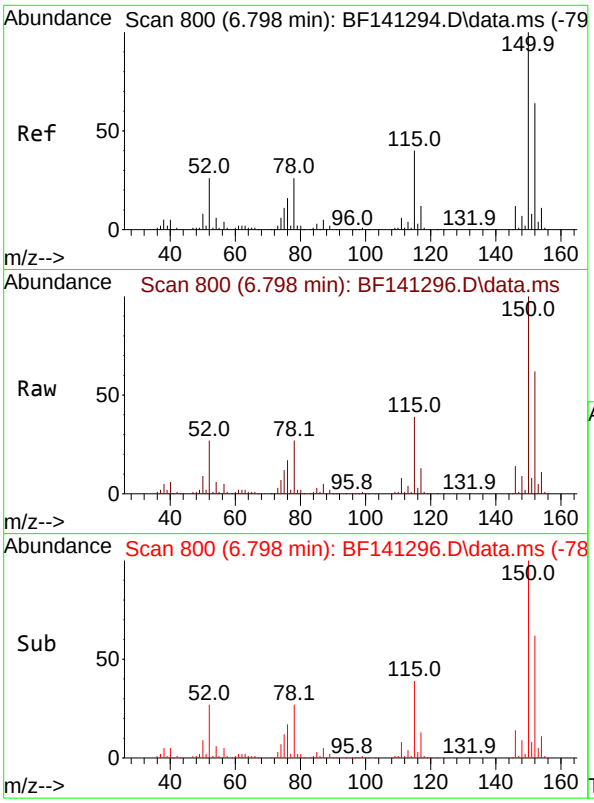
Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

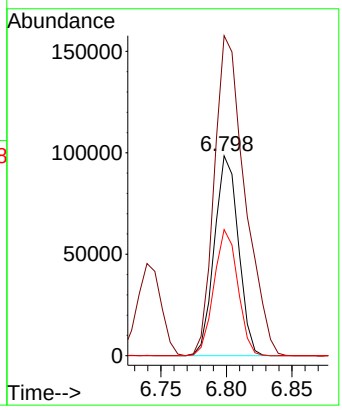




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:152 Resp: 12520

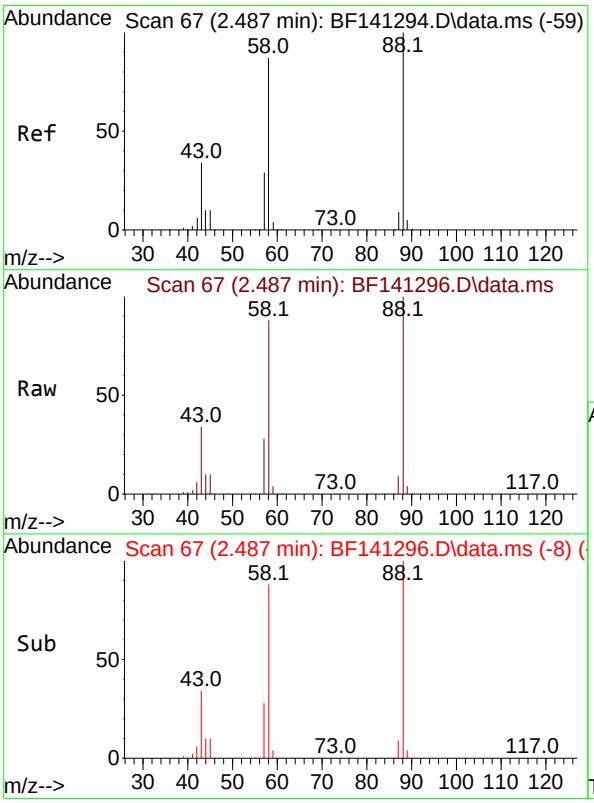
Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

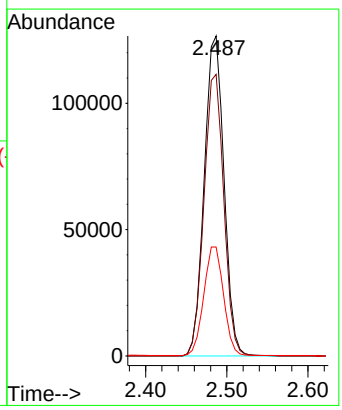
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

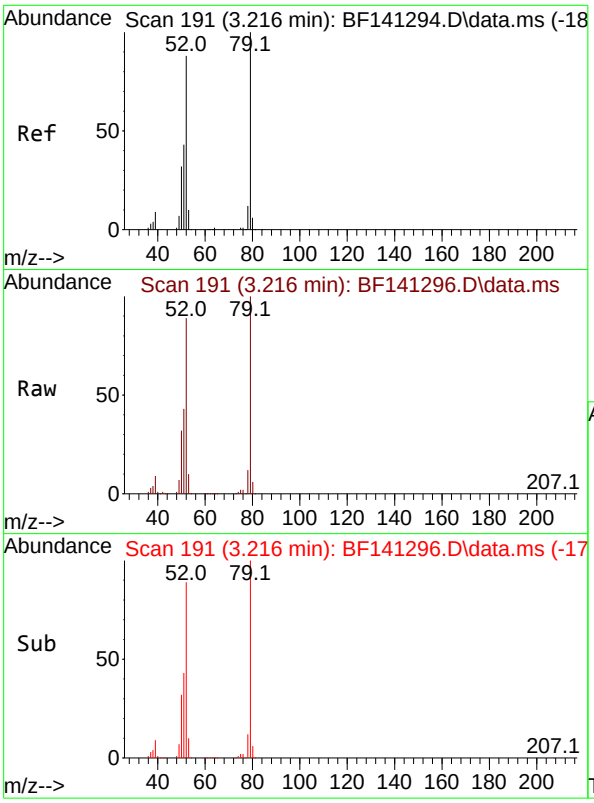


#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805

Ion	Ratio	Lower	Upper
88	100		
58	88.5	70.2	105.4
43	34.0	27.6	41.4

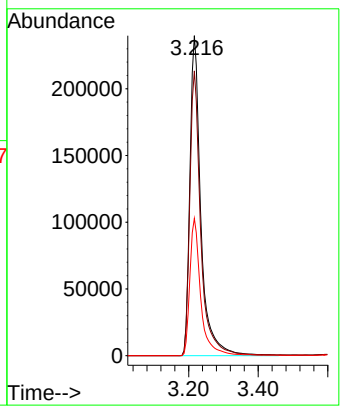




#3
Pyridine
Concen: 60.698 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 52720

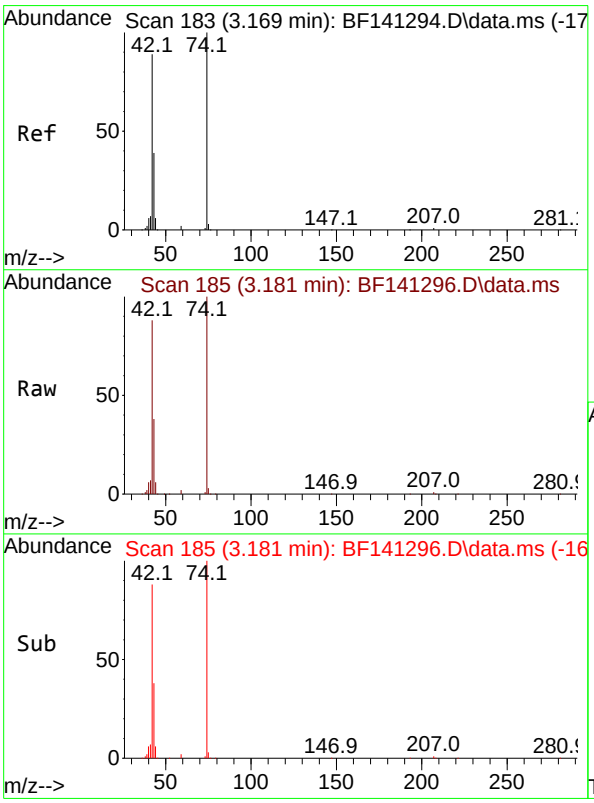
Ion	Ratio	Lower	Upper
79	100		
52	89.0	70.3	105.5
51	42.9	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

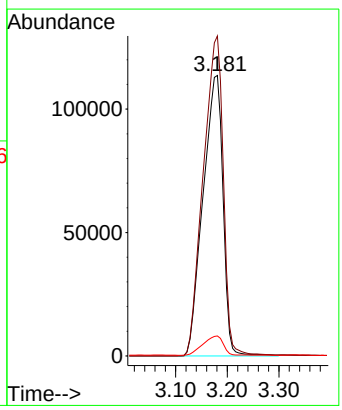
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

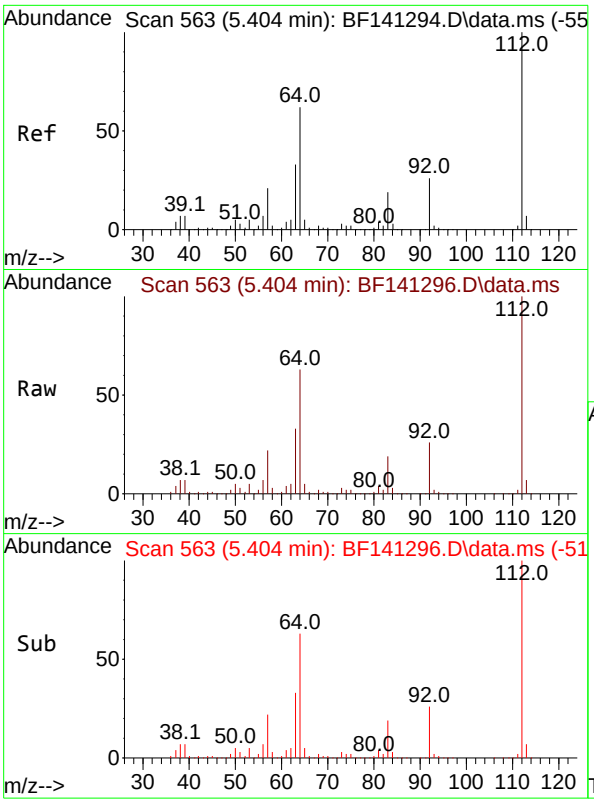


#4
n-Nitrosodimethylamine
Concen: 61.956 ng
RT: 3.181 min Scan# 185
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 42 Resp: 305314

Ion	Ratio	Lower	Upper
42	100		
74	114.1	90.3	135.5
44	7.2	5.7	8.5

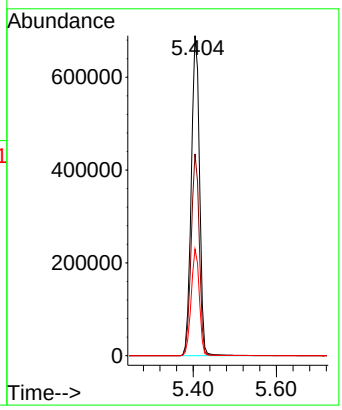




#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:112 Resp: 95239

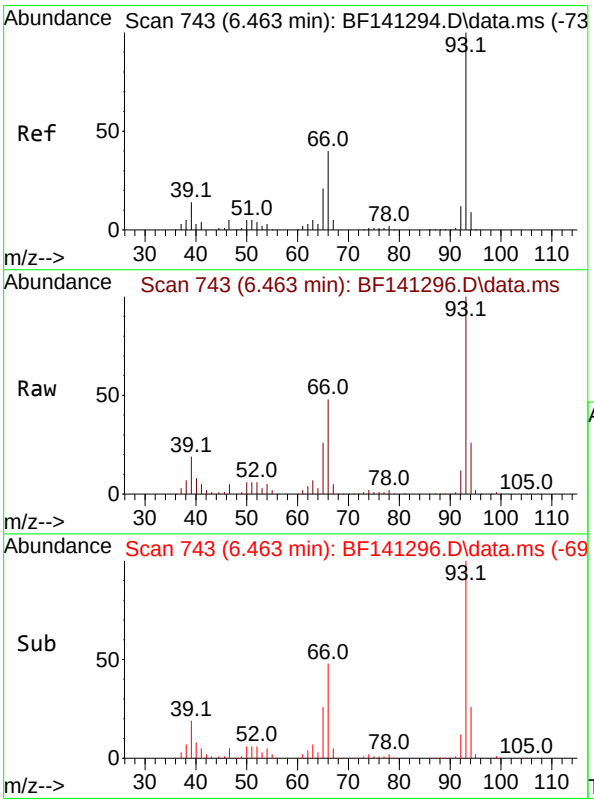
Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

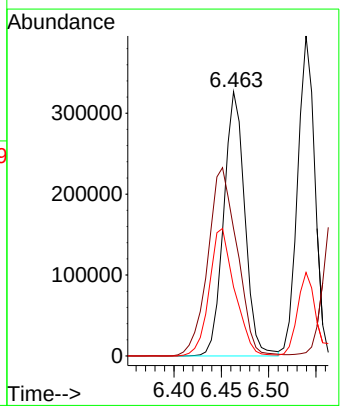
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

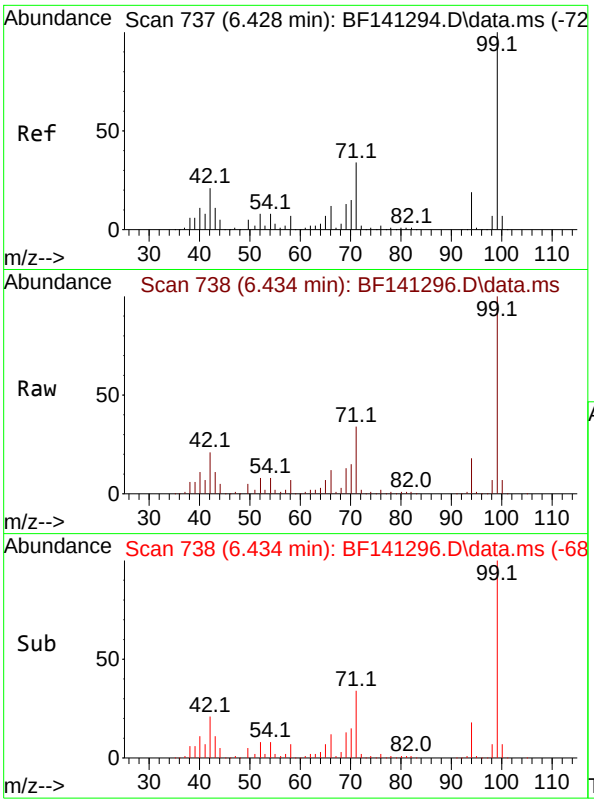


#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937

Ion	Ratio	Lower	Upper
93	100		
66	48.2	32.5	48.7
65	26.1	17.0	25.6#

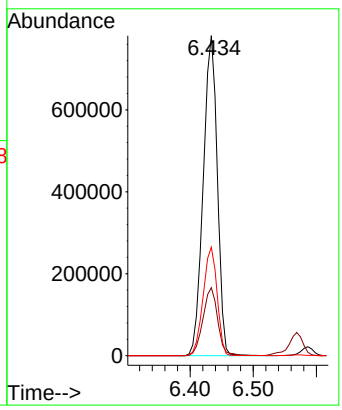




#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 99 Resp: 121047

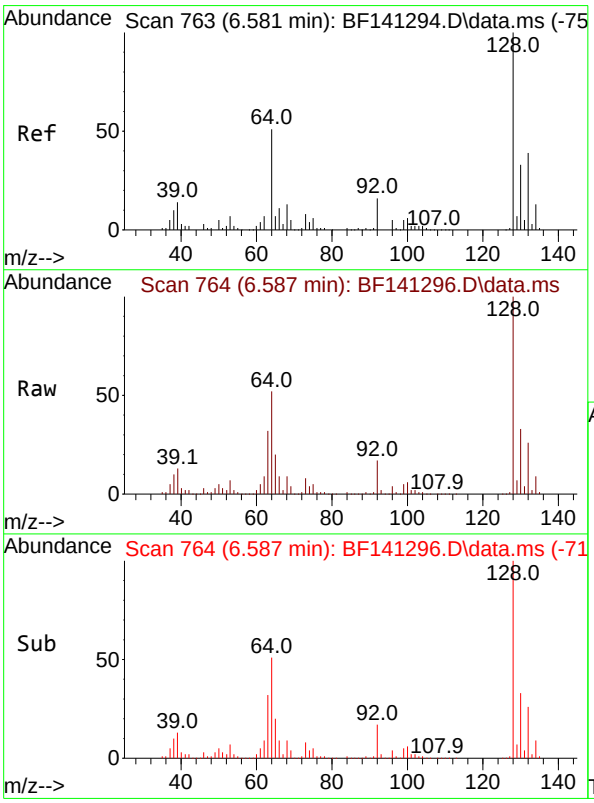
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	33.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

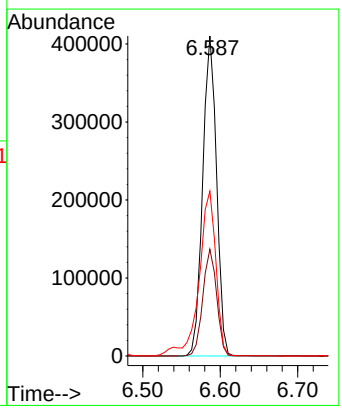
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

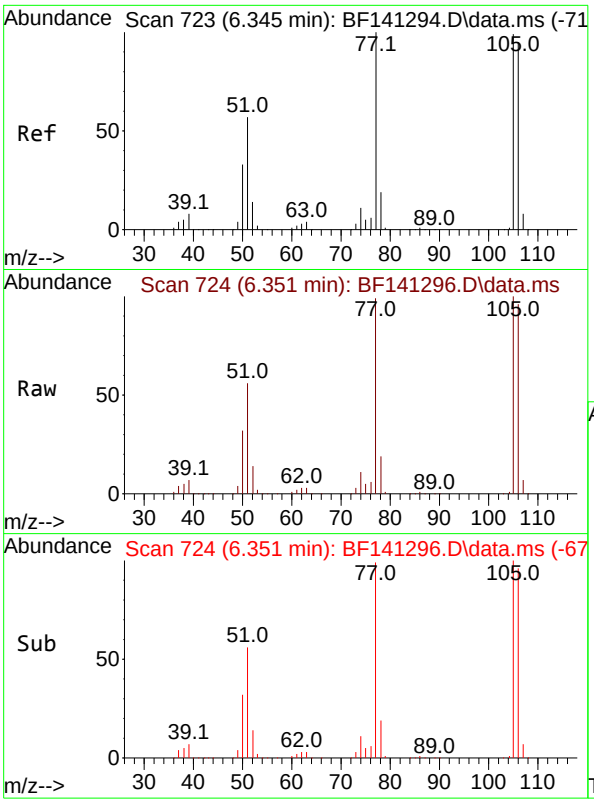


#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 509043

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	51.5	32.9	72.9

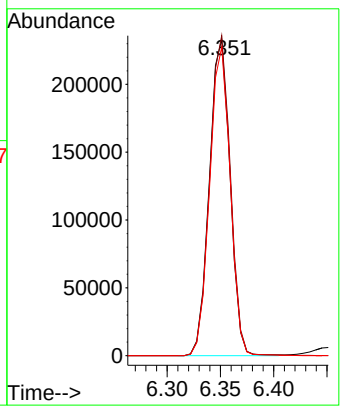




#9
Benzaldehyde
Concen: 48.677 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 31423

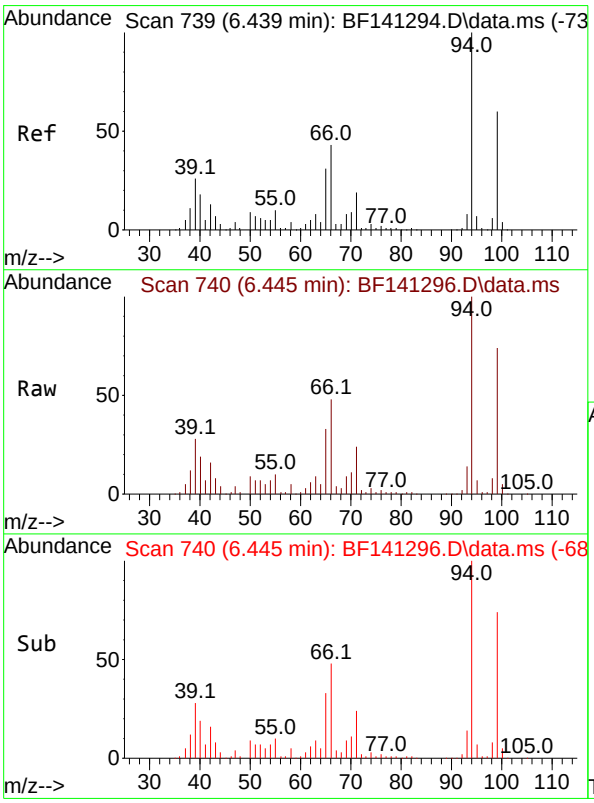
Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.4	119.4
106	97.6	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

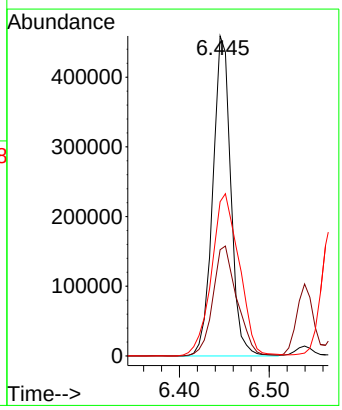
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

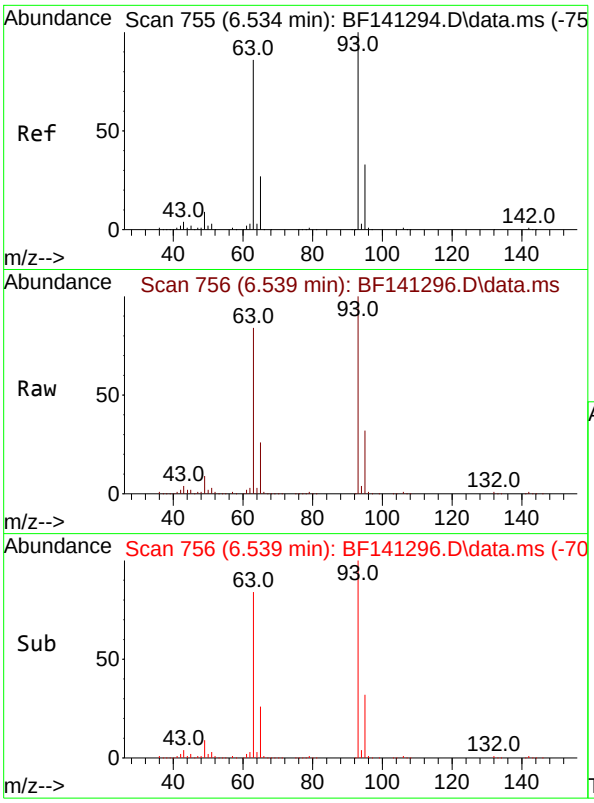


#10
Phenol
Concen: 56.549 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 94 Resp: 640034

Ion	Ratio	Lower	Upper
94	100		
65	33.2	10.8	50.8
66	48.2	23.3	63.3

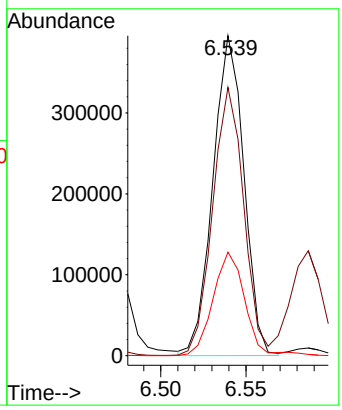




#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 49932

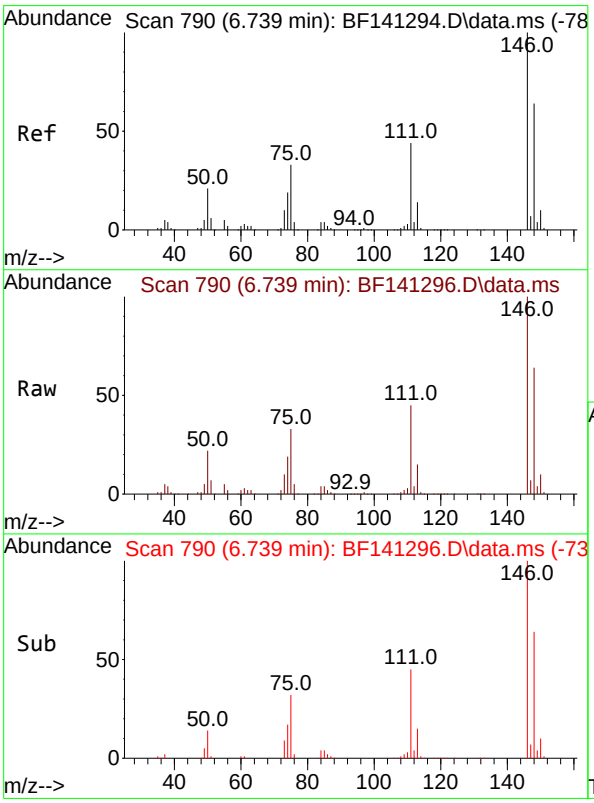
Ion	Ratio	Lower	Upper
93	100		
63	83.9	65.0	105.0
95	32.3	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

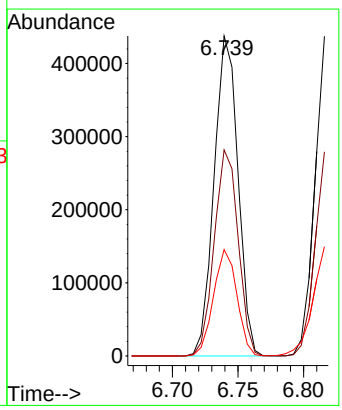
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

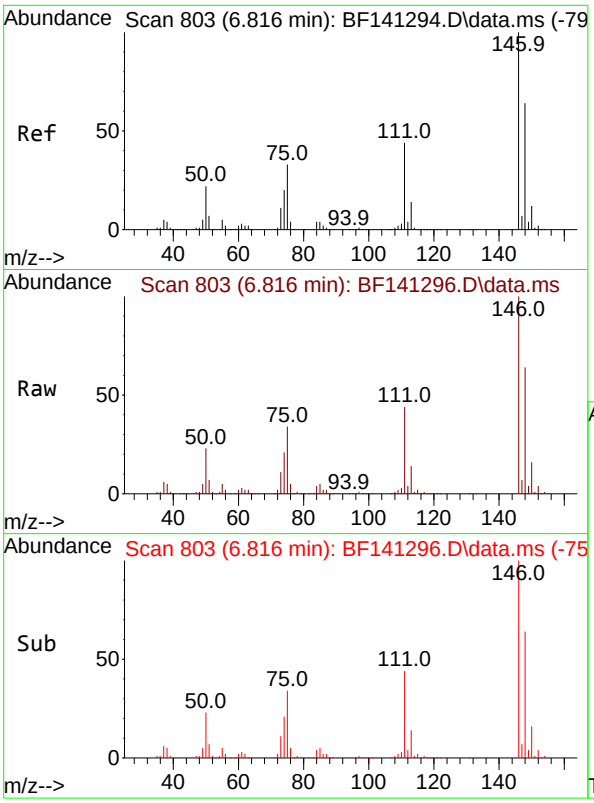


#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	33.2	26.2	39.4

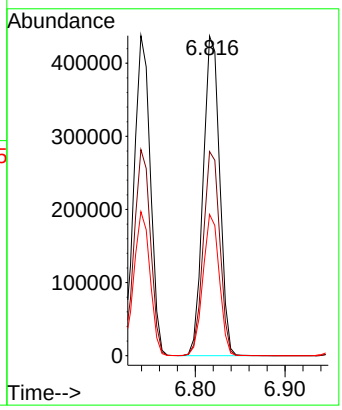




#13
1,4-Dichlorobenzene
Concen: 55.945 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 55857

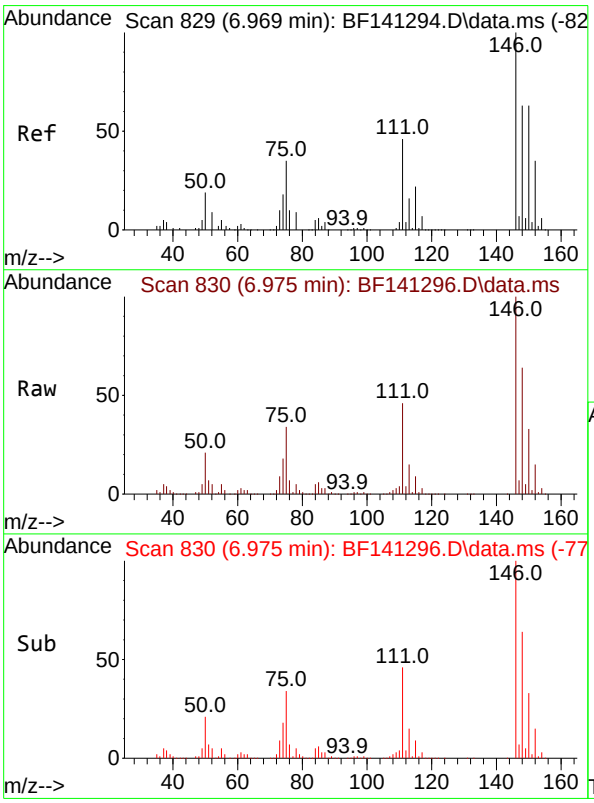
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	44.2	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

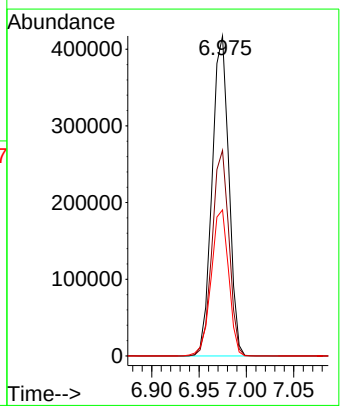
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

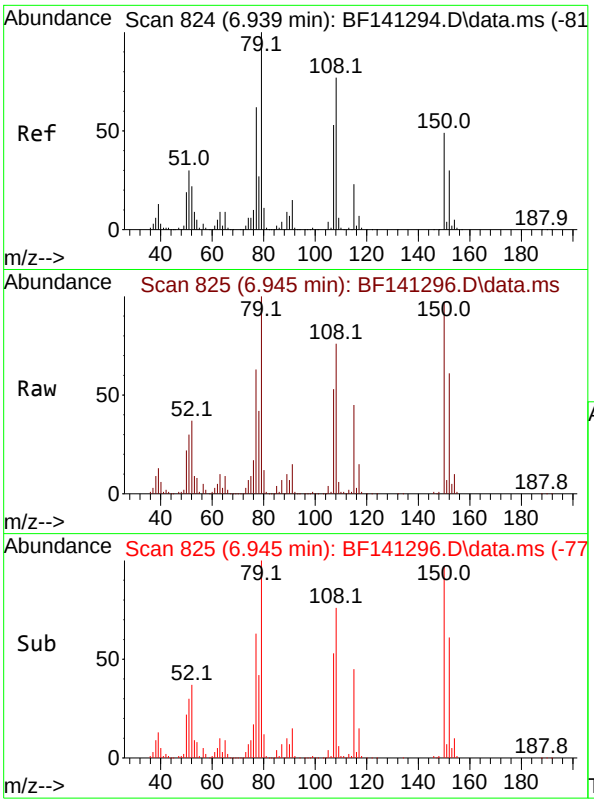


#14
1,2-Dichlorobenzene
Concen: 54.417 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 513179

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
111	45.7	36.6	55.0

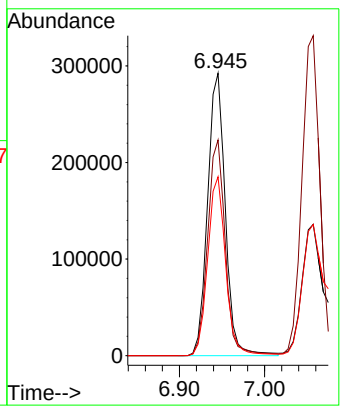




#15
Benzyl Alcohol
Concen: 58.473 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 42272

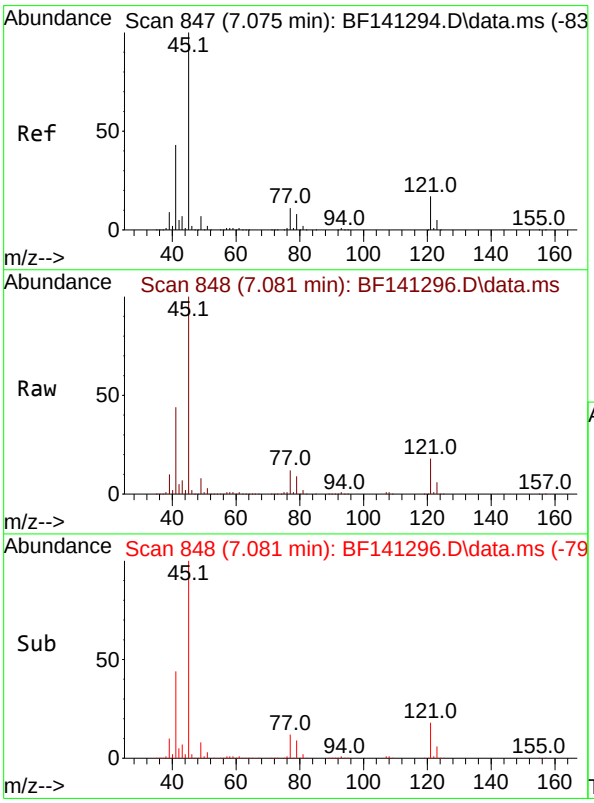
Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.4	92.0
77	63.3	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

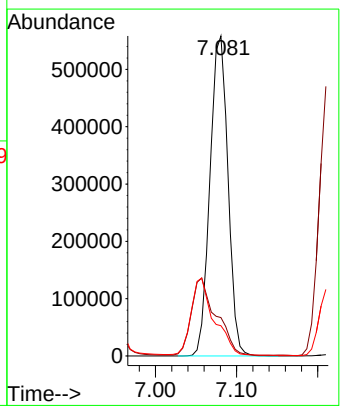
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

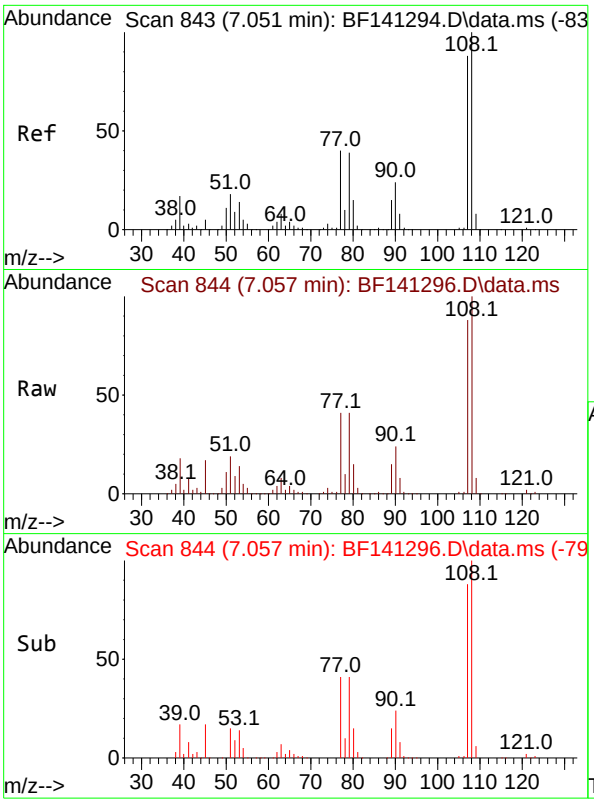


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 45 Resp: 859130

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	31.8
79	9.4	0.0	29.1

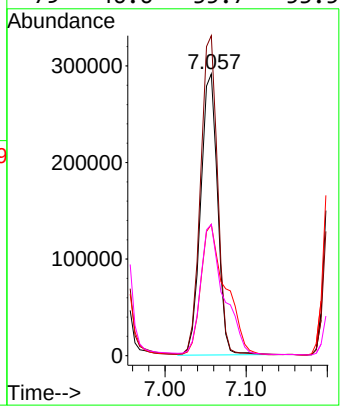




#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 42059

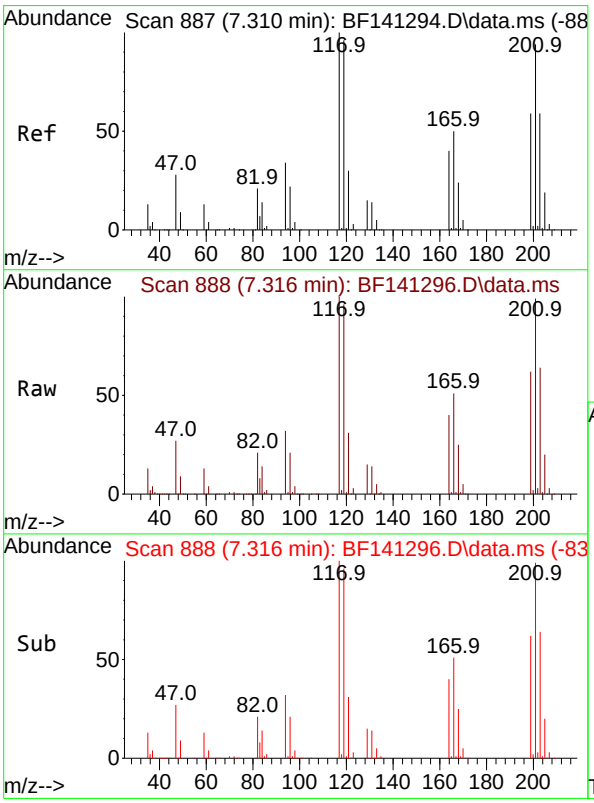
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.8	136.2
77	46.6	36.2	54.4
79	46.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

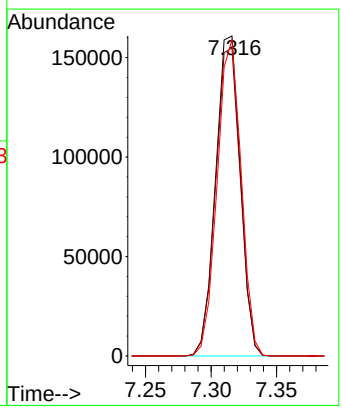
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

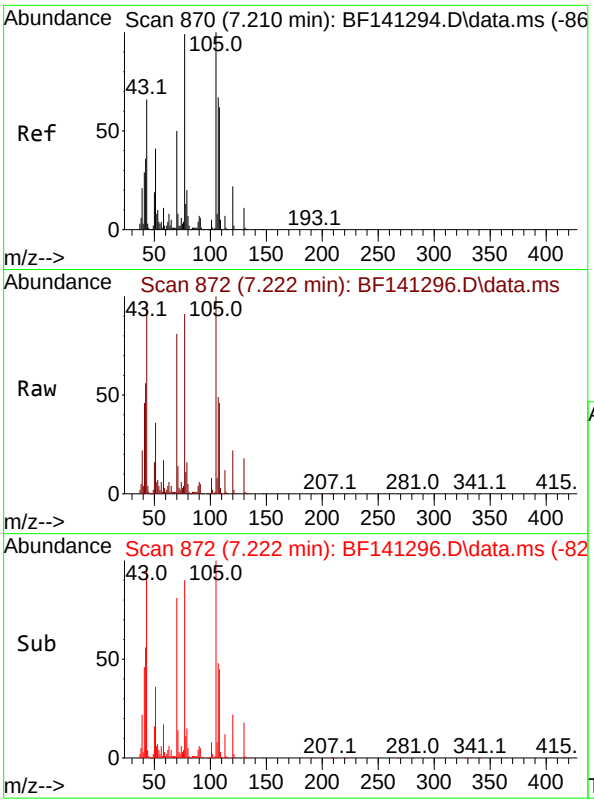


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:117 Resp: 210746

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	114.8
201	98.8	74.8	112.2

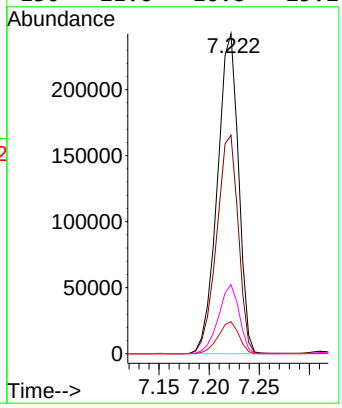




#19
n-Nitroso-di-n-propylamine
Concen: 56.162 ng
RT: 7.222 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 70 Resp: 35503

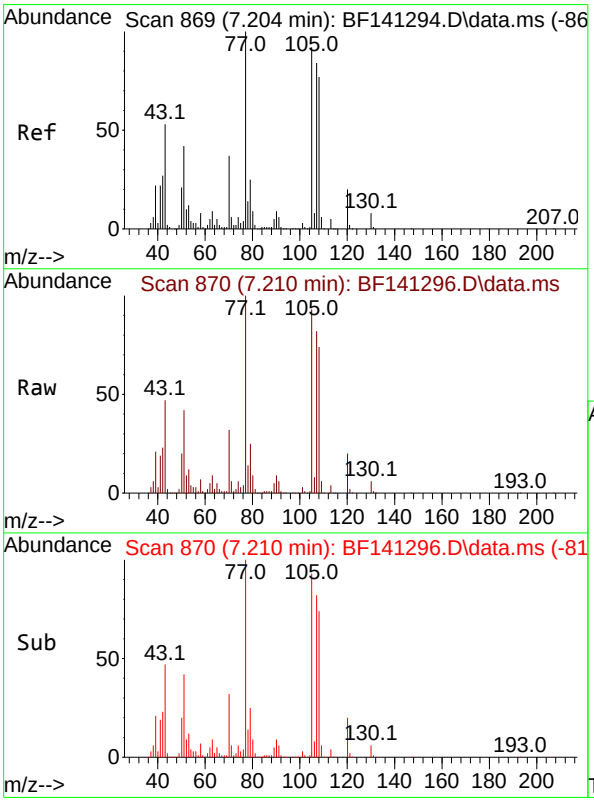
Ion	Ratio	Lower	Upper
70	100		
42	68.3	56.8	85.2
101	10.0	7.7	11.5
130	21.6	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

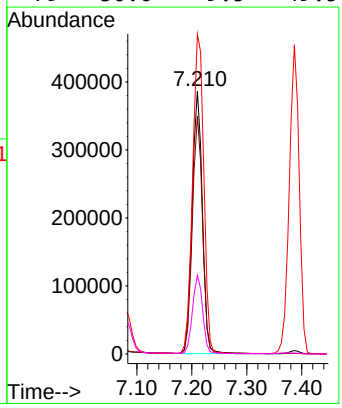
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

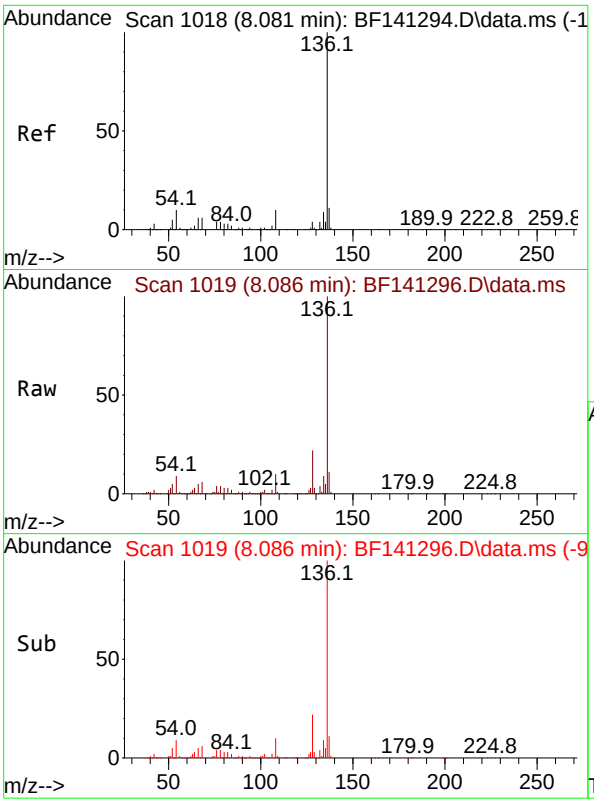


#20
3+4-Methylphenols
Concen: 54.781 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 496888

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.9	110.9
77	121.7	98.5	138.5
79	30.0	9.5	49.5

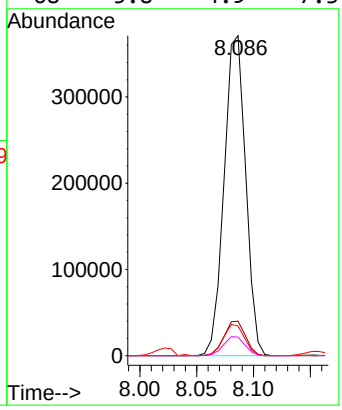




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:136 Resp: 49077

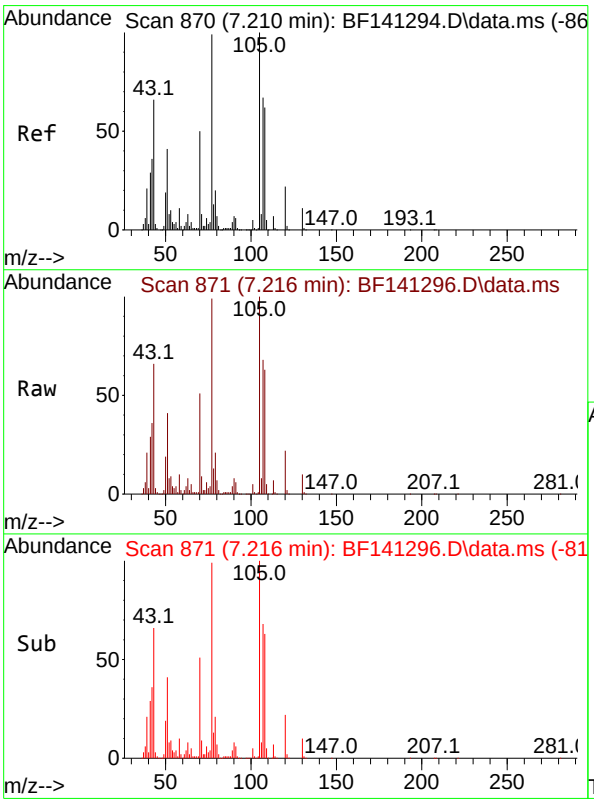
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.3	7.8	11.8
68	5.8	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

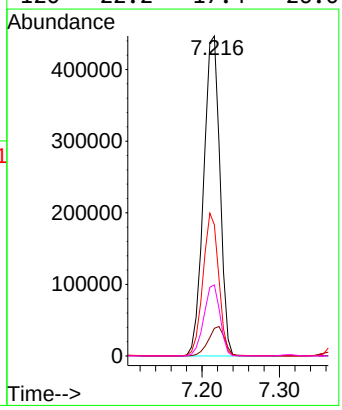
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

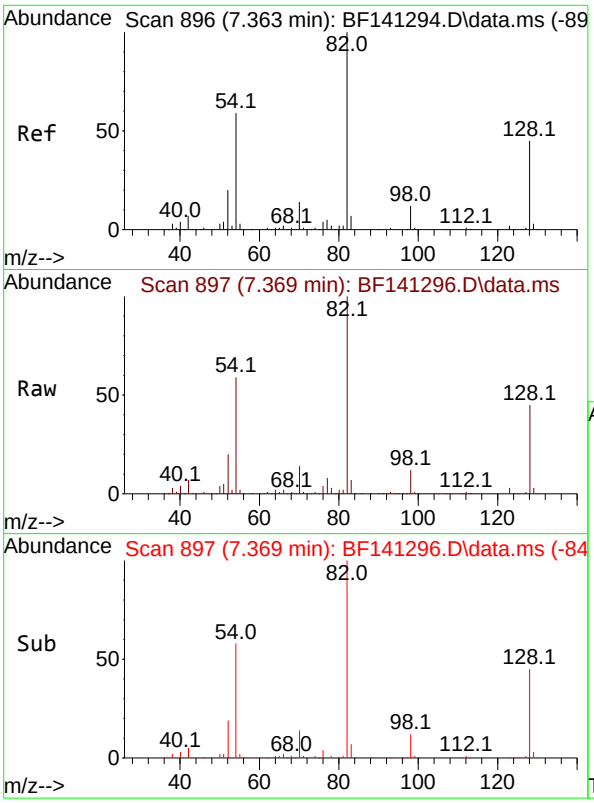


#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.8	10.2
51	41.0	32.6	49.0
120	22.2	17.4	26.0

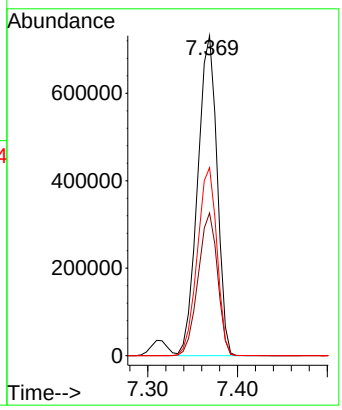




#23
Nitrobenzene-d5
Concen: 115.711 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 109819

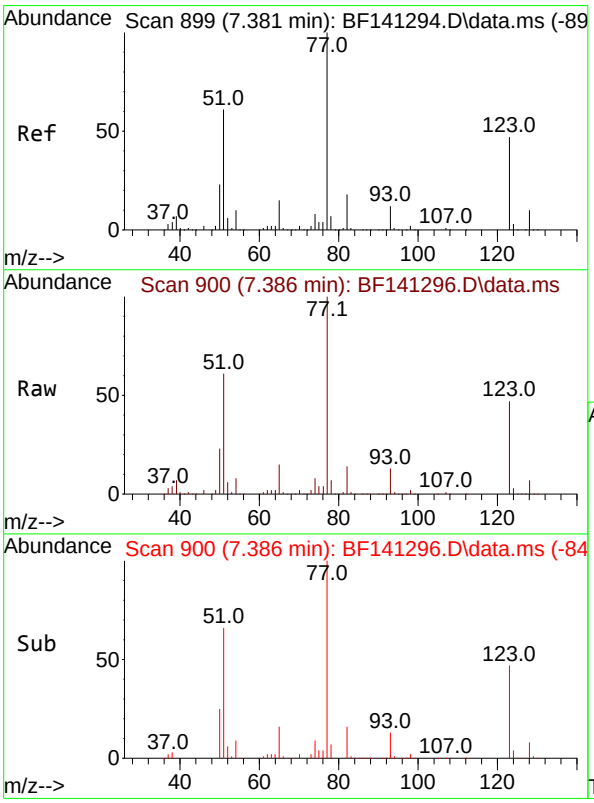
Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.7	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

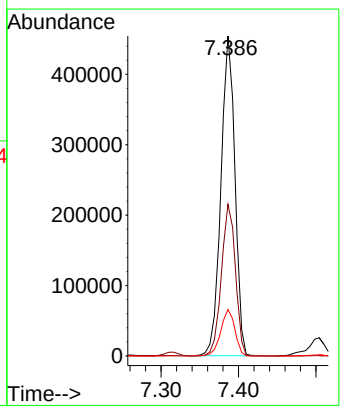
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

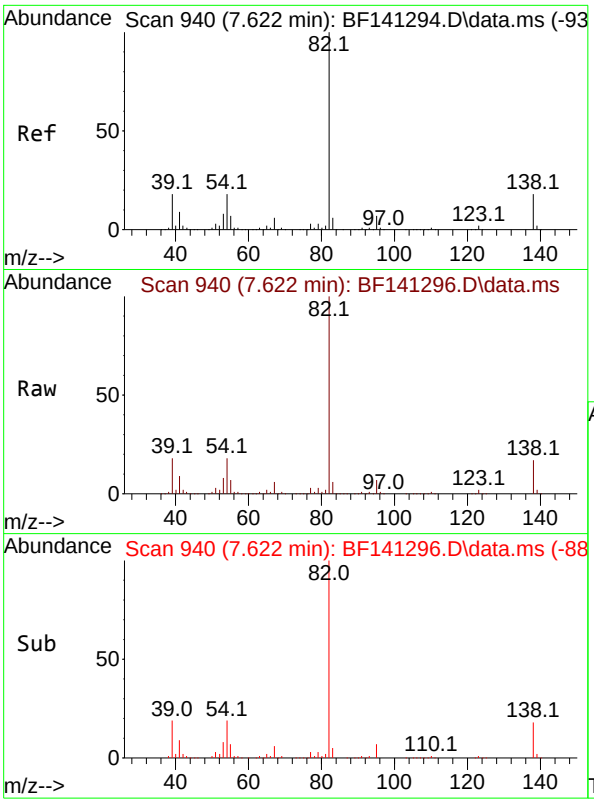


#24
Nitrobenzene
Concen: 58.138 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 572234

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.3	55.9
65	14.5	11.8	17.6

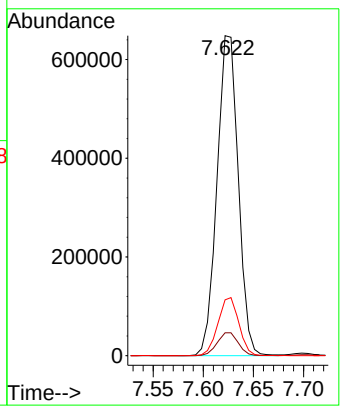




#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 95367

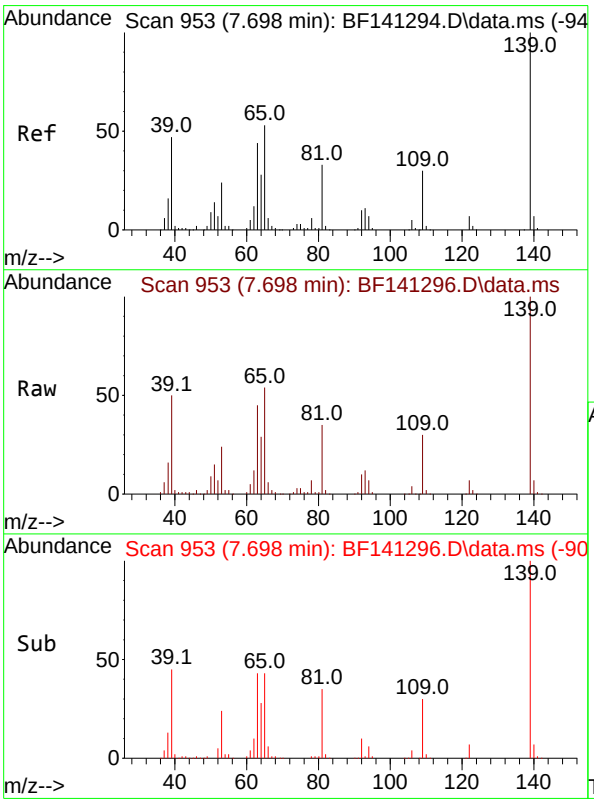
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	17.5	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

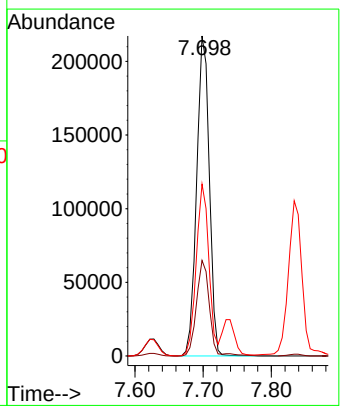
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

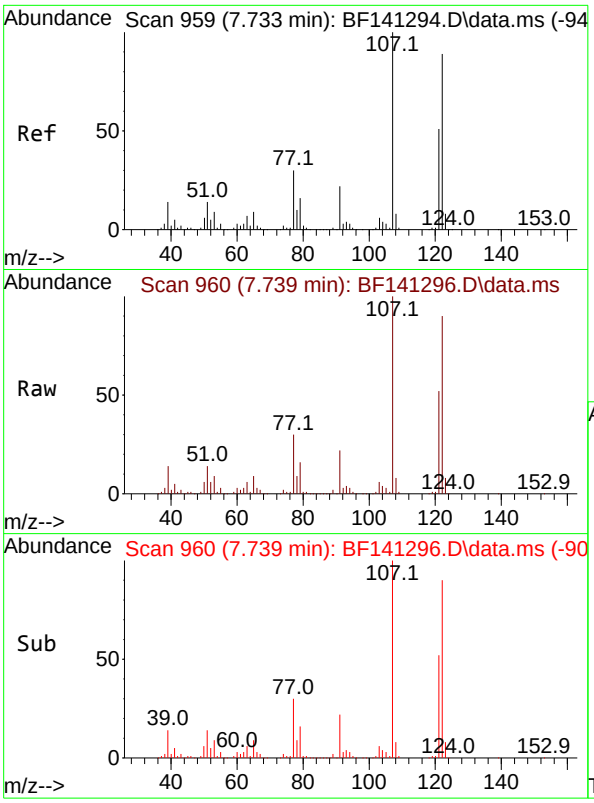


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 280785

Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.8	35.6
65	53.7	42.2	63.4

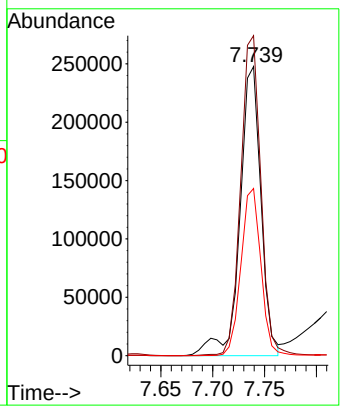




#27
2,4-Dimethylphenol
Concen: 60.006 ng m
RT: 7.739 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 35078

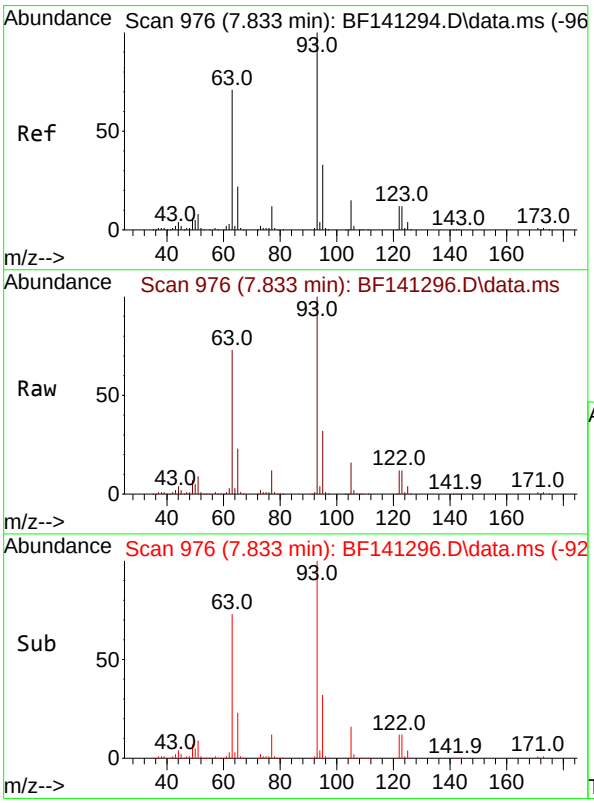
Ion	Ratio	Lower	Upper
122	100		
107	110.7	89.9	134.9
121	57.8	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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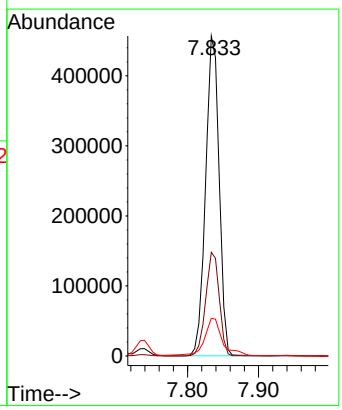
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

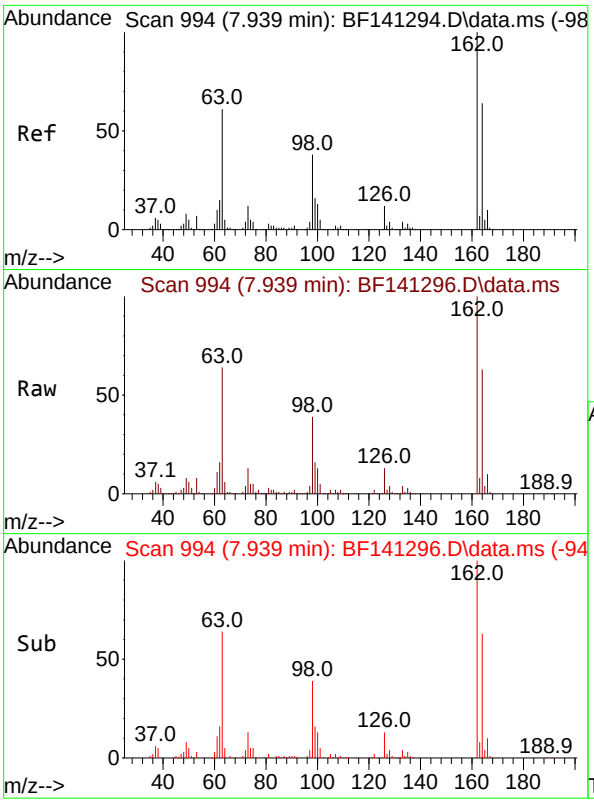


#28
bis(2-Chloroethoxy)methane
Concen: 57.853 ng
RT: 7.833 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 605644

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	11.8	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 58.315 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

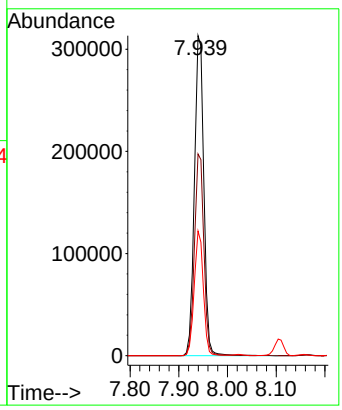
Tgt Ion:162 Resp: 42174

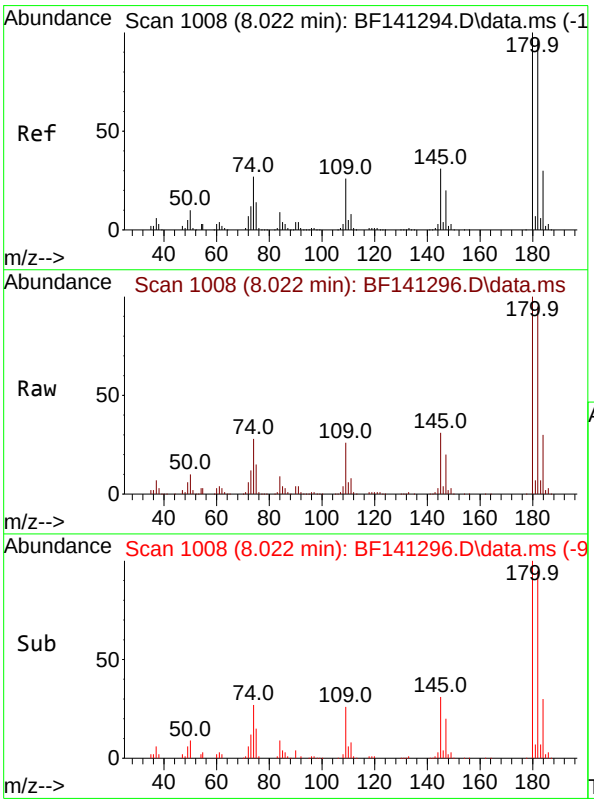
Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.2	84.2
98	38.9	18.2	58.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

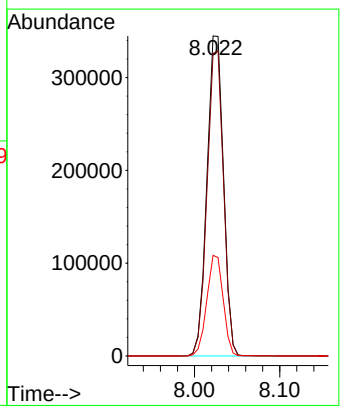


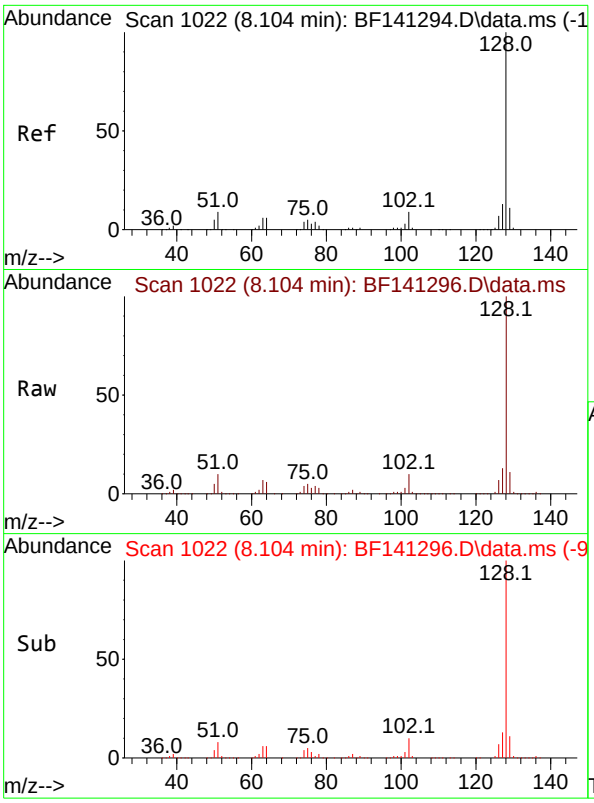


#30
1,2,4-Trichlorobenzene
Concen: 55.787 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:180 Resp: 465841

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	31.4	24.9	37.3





#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

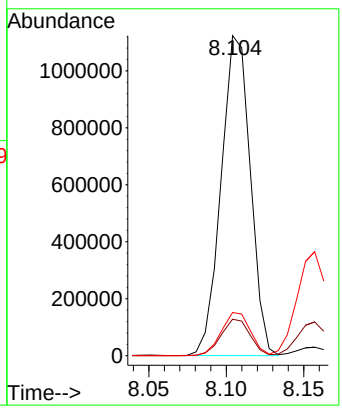
Tgt Ion:128 Resp: 147590(

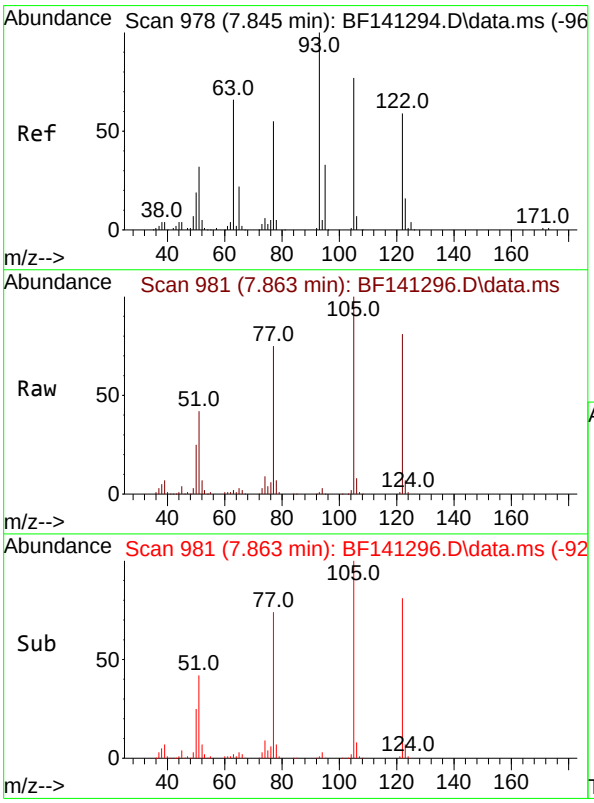
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.5	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

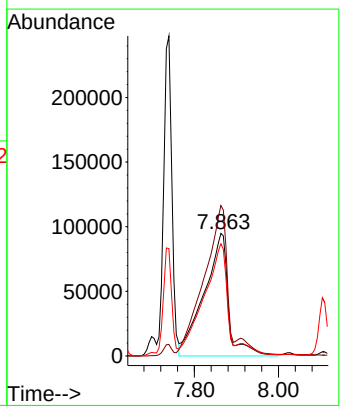


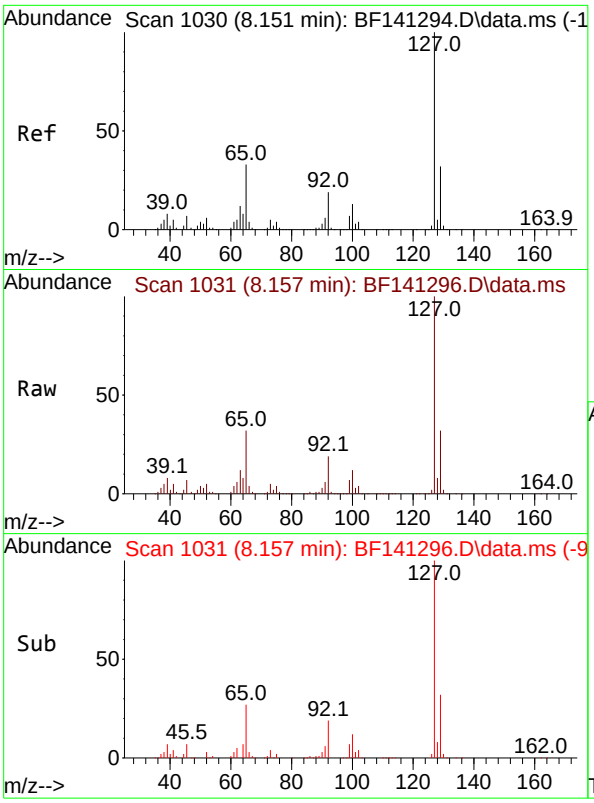


#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.4	143.4
77	91.6	70.9	110.9

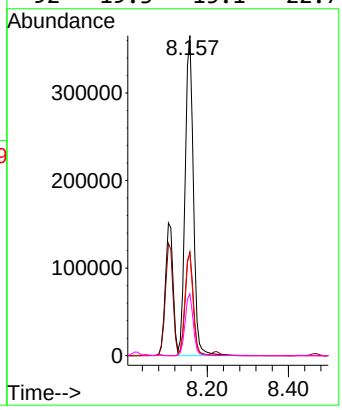




#33
4-Chloroaniline
Concen: 56.786 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:127 Resp: 51314

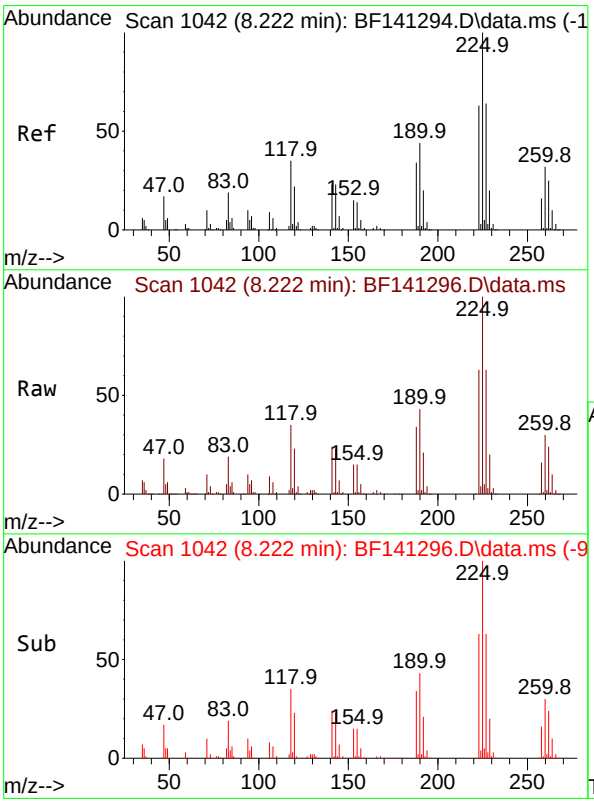
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	31.7	26.4	39.6
92	19.3	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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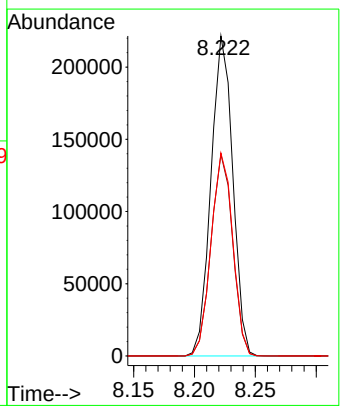
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

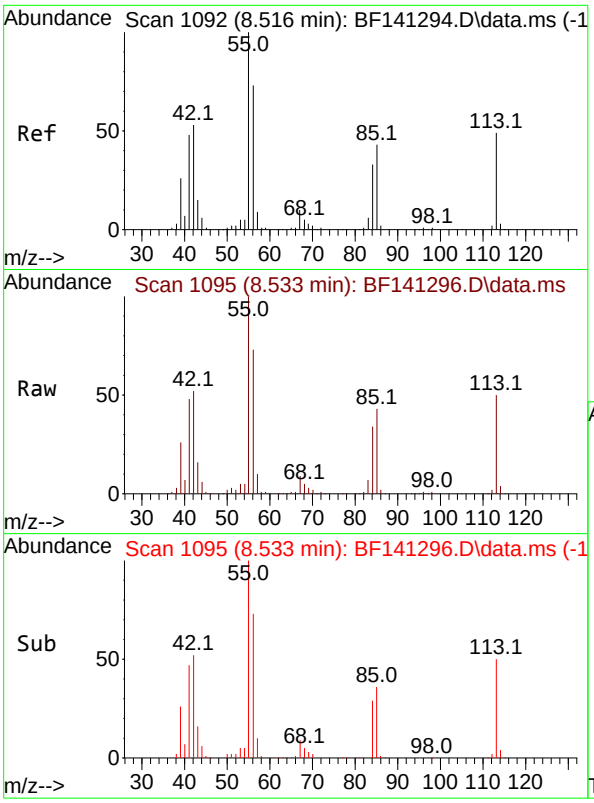


#34
Hexachlorobutadiene
Concen: 56.533 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:225 Resp: 275524

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.4	51.3	76.9

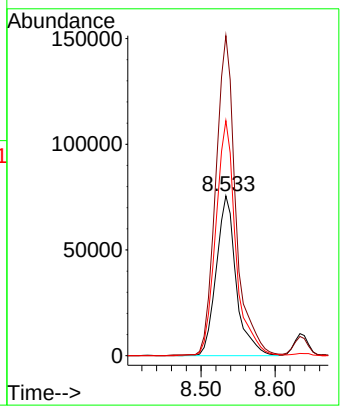




#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:113 Resp: 14102

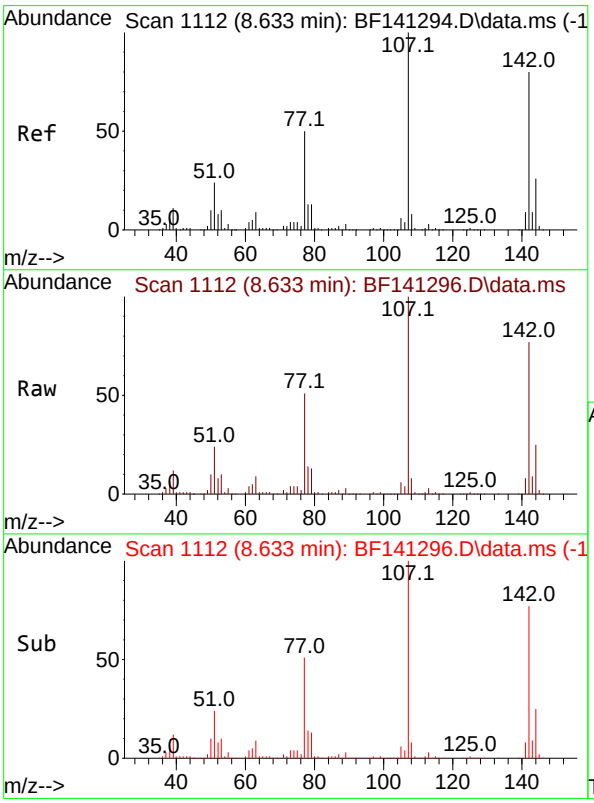
Ion	Ratio	Lower	Upper
113	100		
55	200.2	182.9	222.9
56	147.0	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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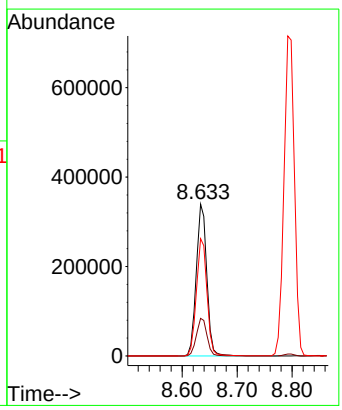
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

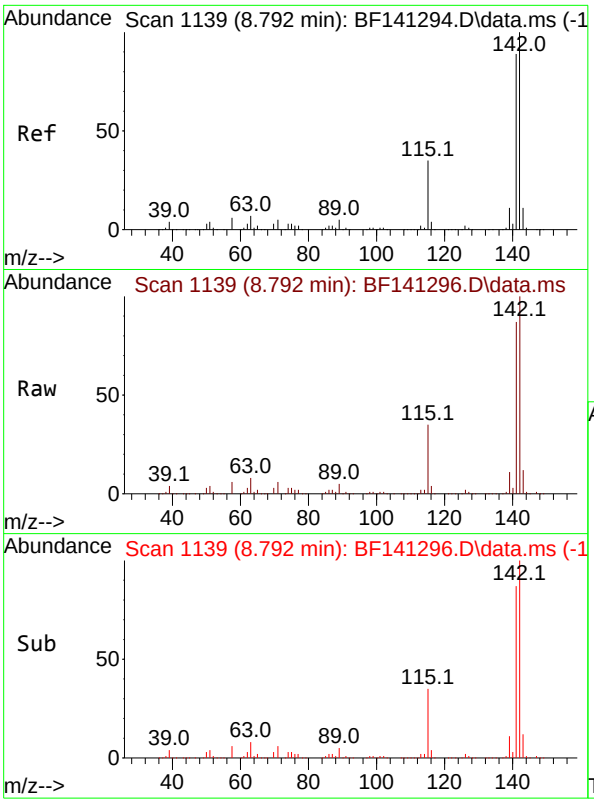


#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 452438

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.2	63.8	95.8





#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

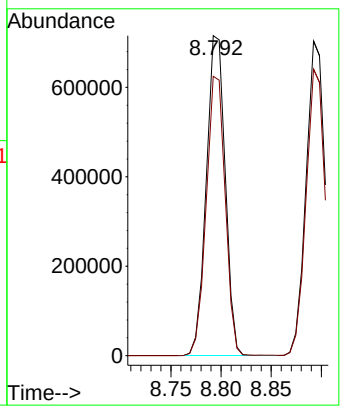
Tgt Ion:142 Resp: 94115

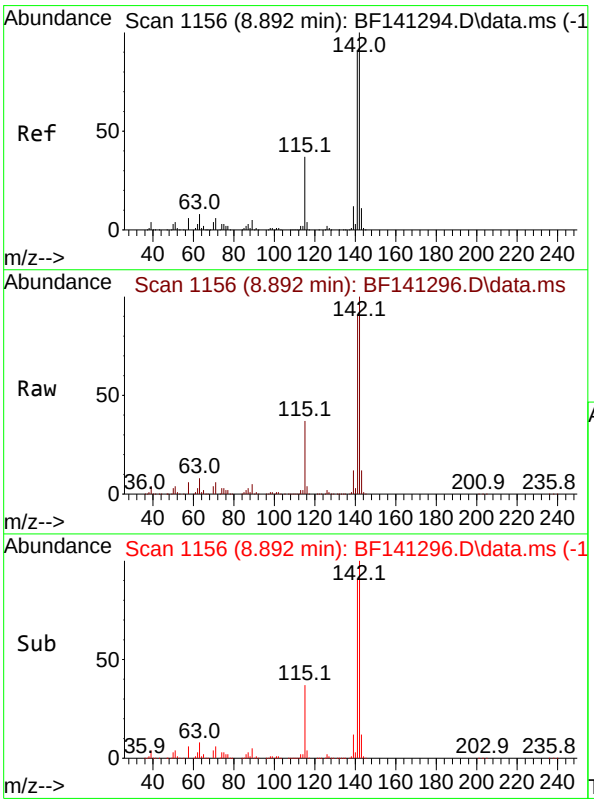
Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

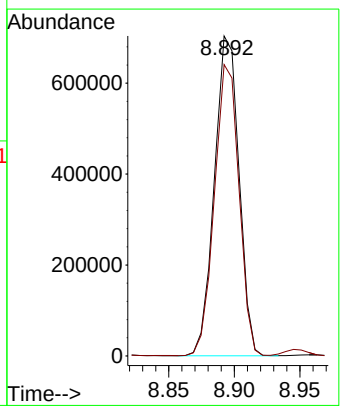


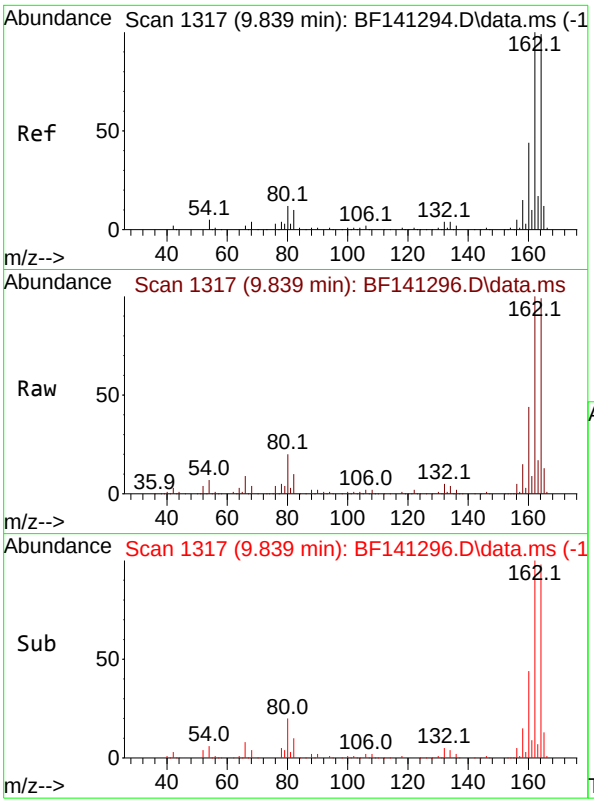


#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

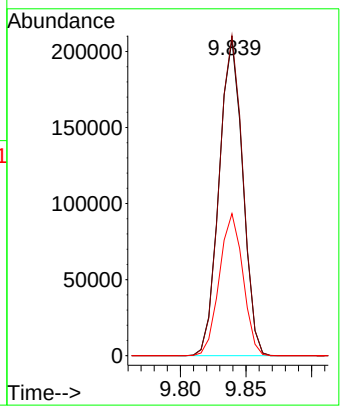




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:164 Resp: 26026

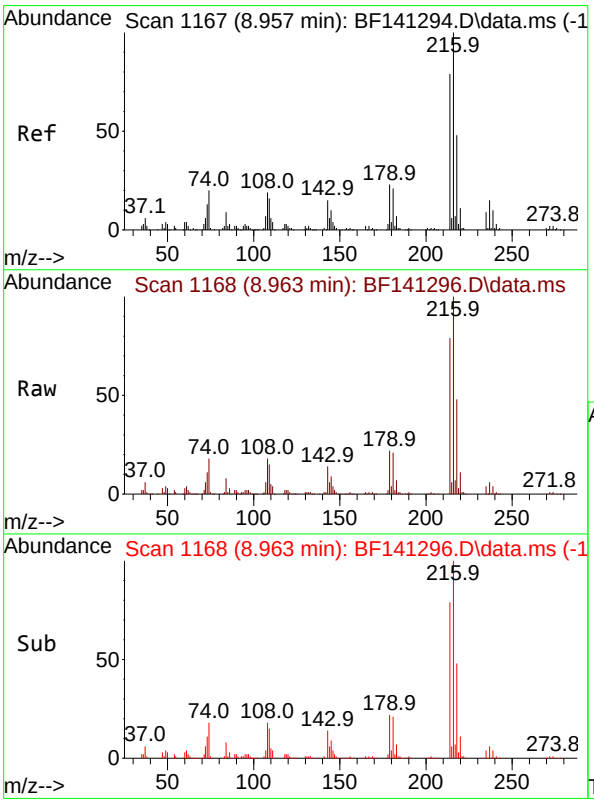
Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	45.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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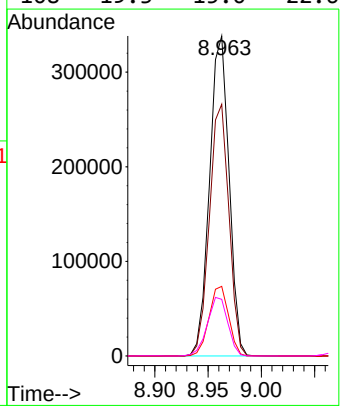
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

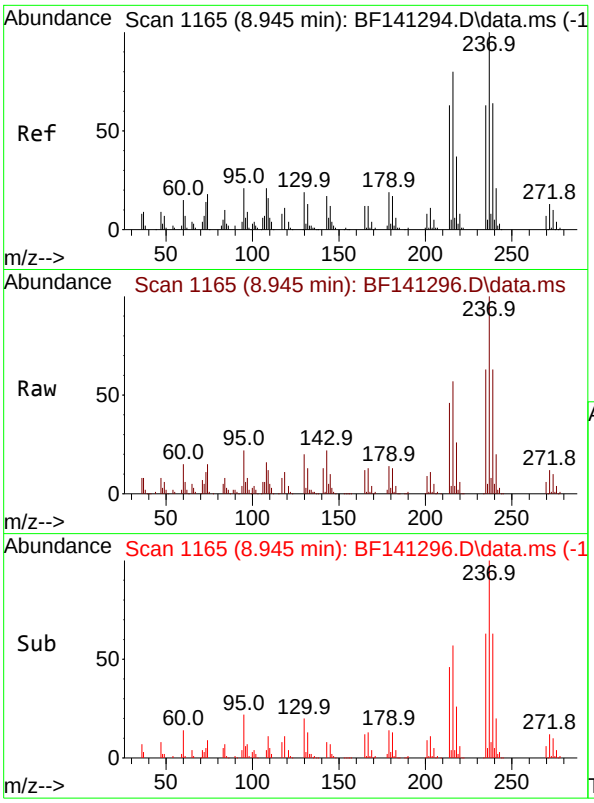


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.609 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:216 Resp: 430239

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.2	94.8
179	22.0	17.8	26.8
108	19.3	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

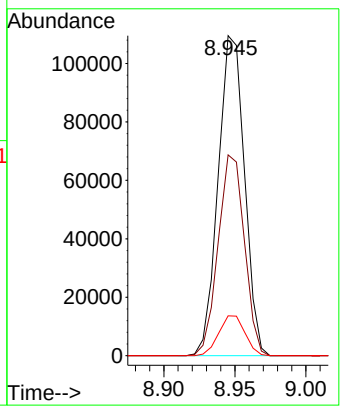
Tgt Ion:237 Resp: 14138

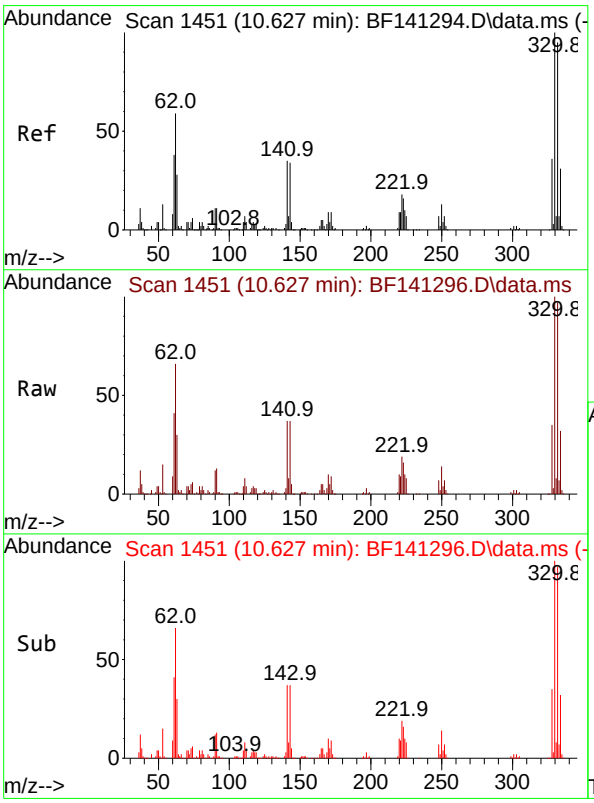
Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.9	82.9
272	12.5	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

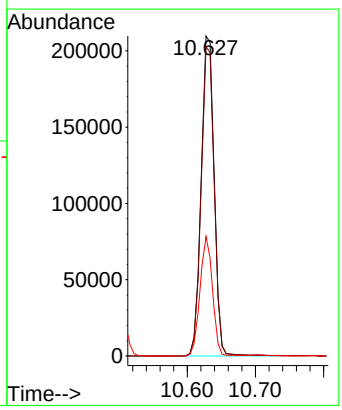


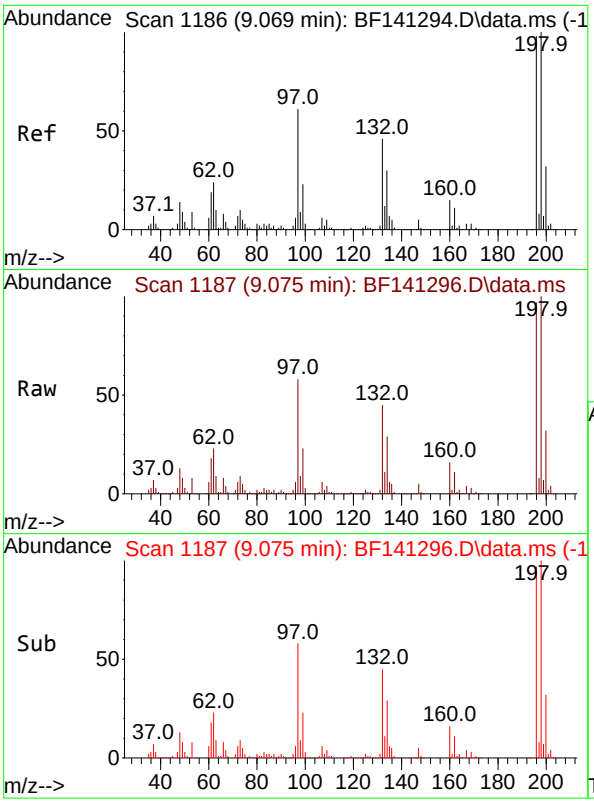


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:330 Resp: 279105

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	35.8	28.8	43.2

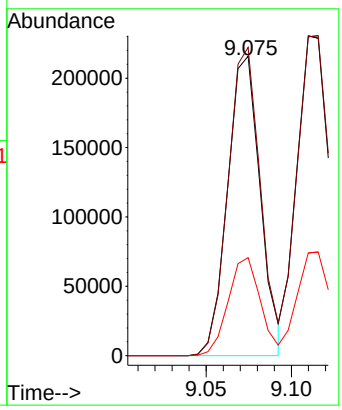




#43
2,4,6-Trichlorophenol
Concen: 58.588 ng
RT: 9.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 28829

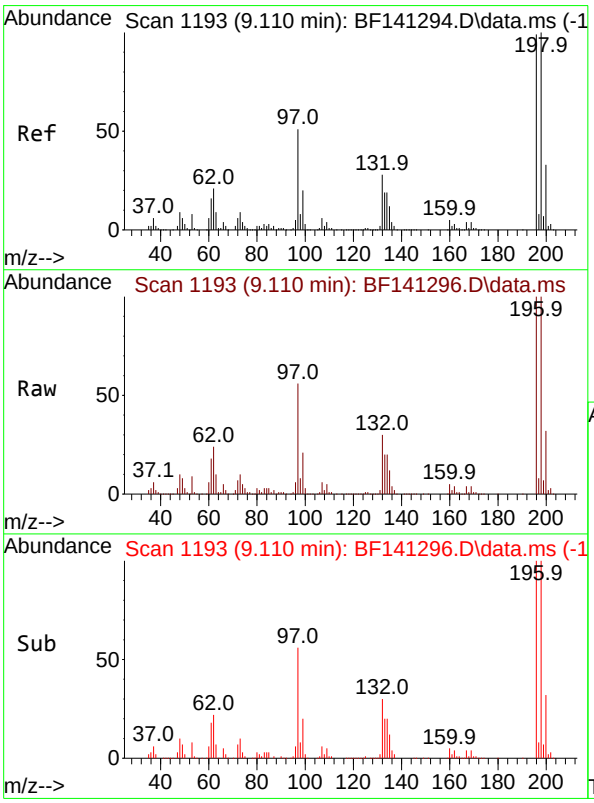
Ion	Ratio	Lower	Upper
196	100		
198	102.9	81.8	122.6
200	32.7	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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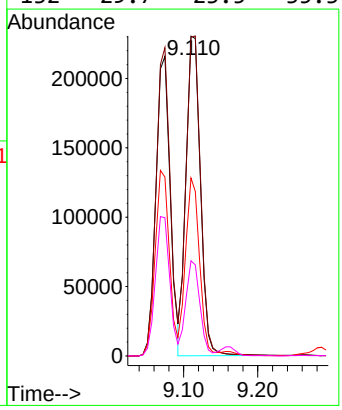
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

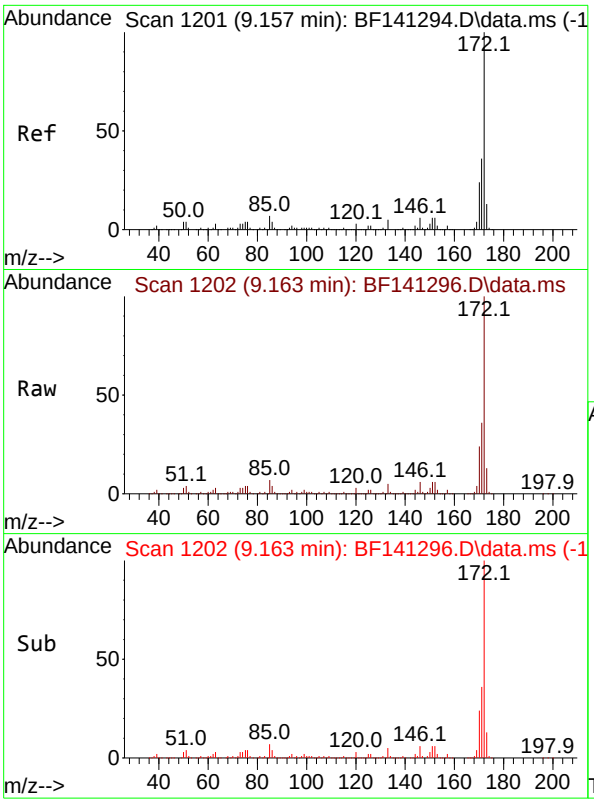


#44
2,4,5-Trichlorophenol
Concen: 59.000 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 314912

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.5	120.7
97	55.7	42.8	64.2
132	29.7	23.5	35.3

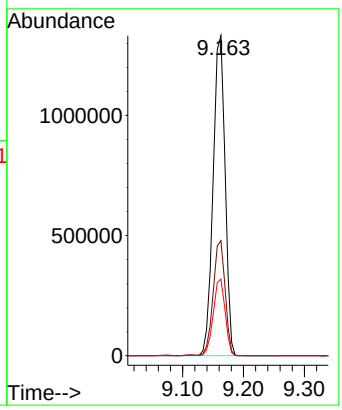




#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:172 Resp: 182437

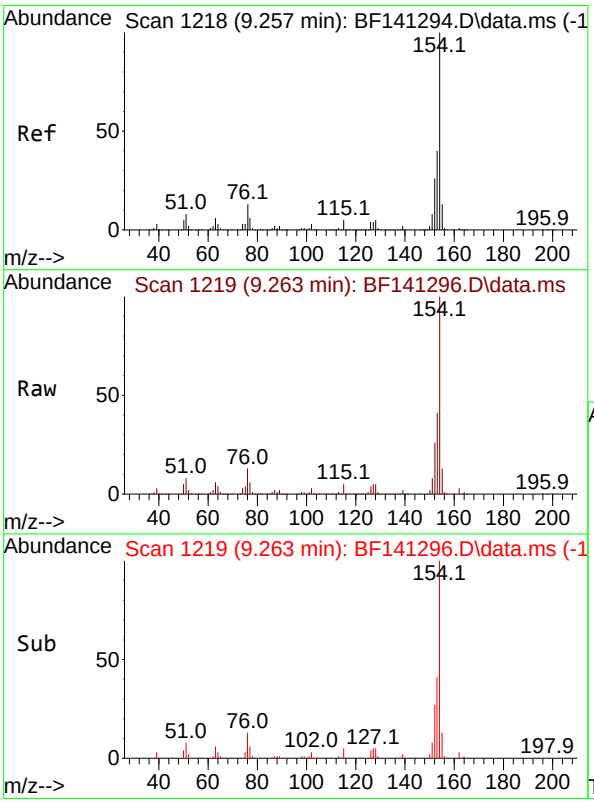
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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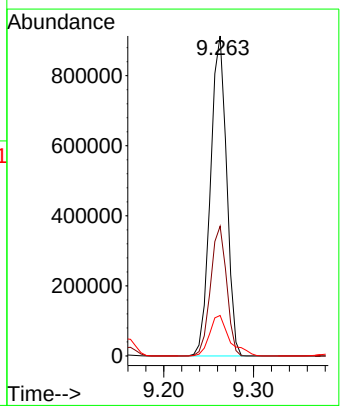
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

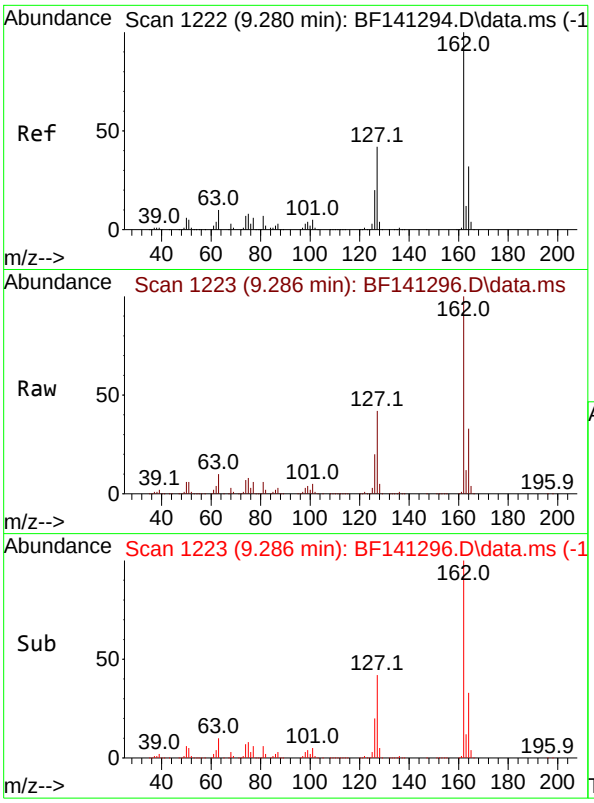


#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	12.7	0.0	32.8

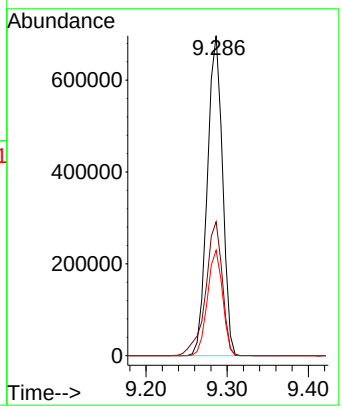




#47
2-Chloronaphthalene
Concen: 55.247 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:162 Resp: 90256

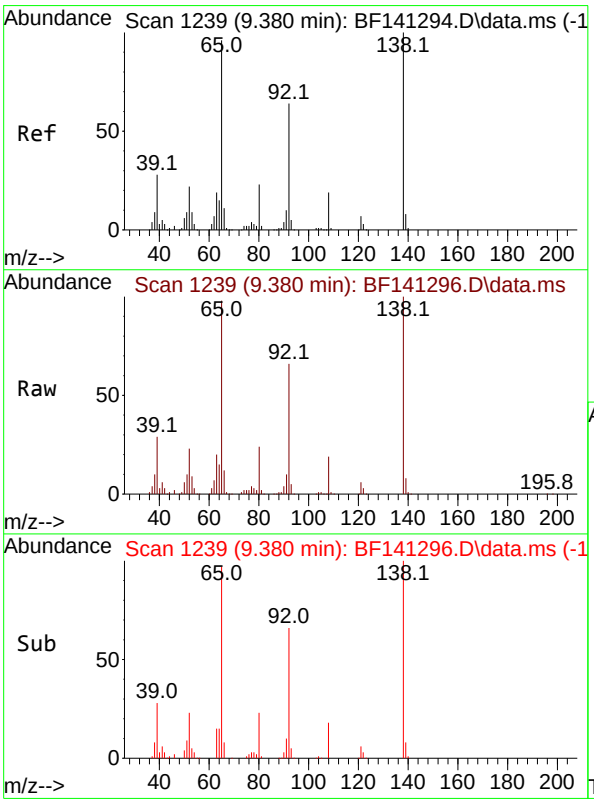
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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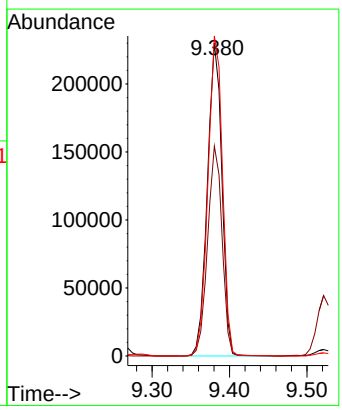
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

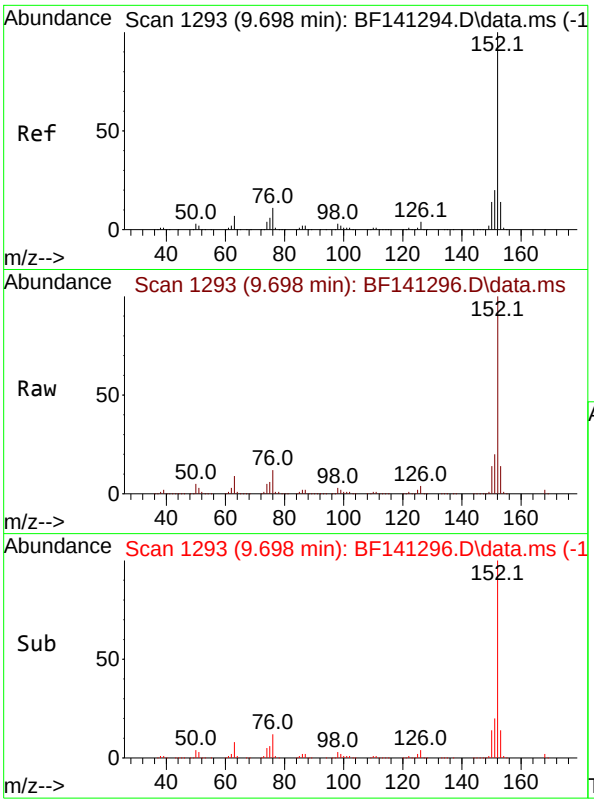


#48
2-Nitroaniline
Concen: 59.861 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 65 Resp: 300339

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.3	79.9
138	102.3	83.6	125.4





#49
Acenaphthylene
Concen: 54.924 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

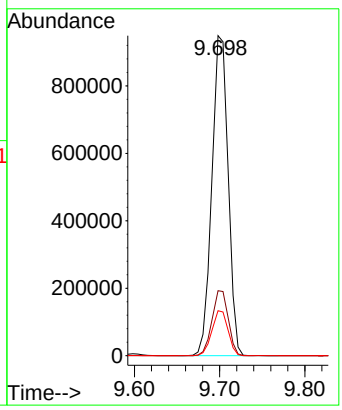
Tgt Ion:152 Resp: 125873

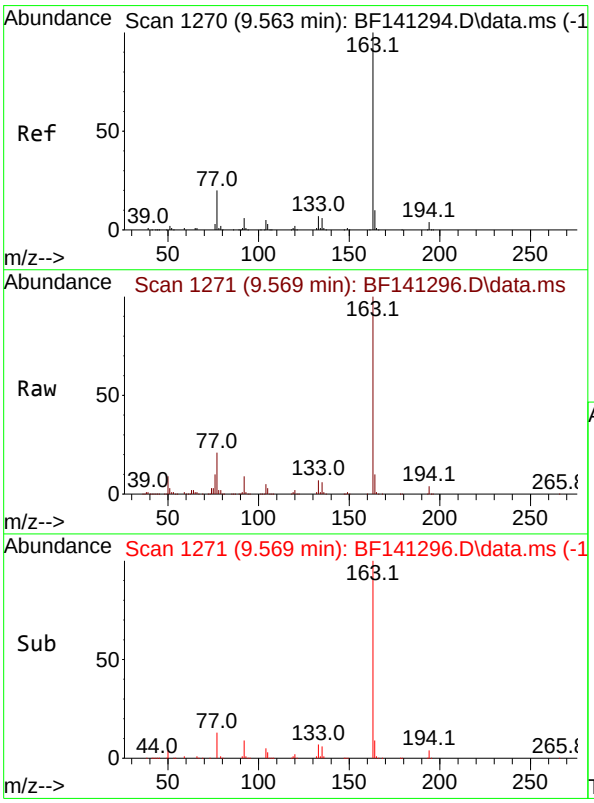
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.1	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

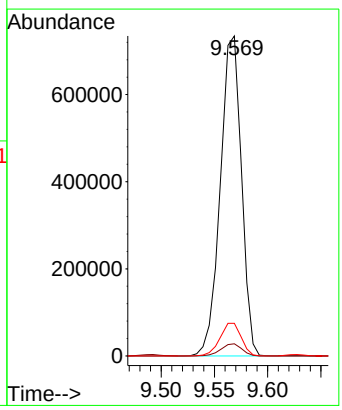


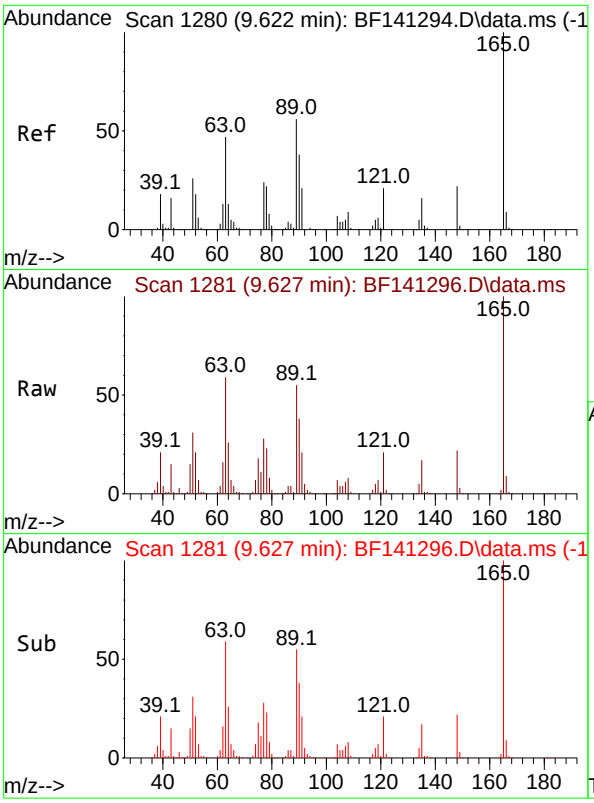


#50
Dimethylphthalate
Concen: 56.075 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:163 Resp: 1012298

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0

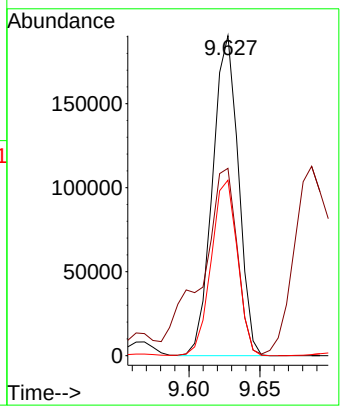




#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 24124

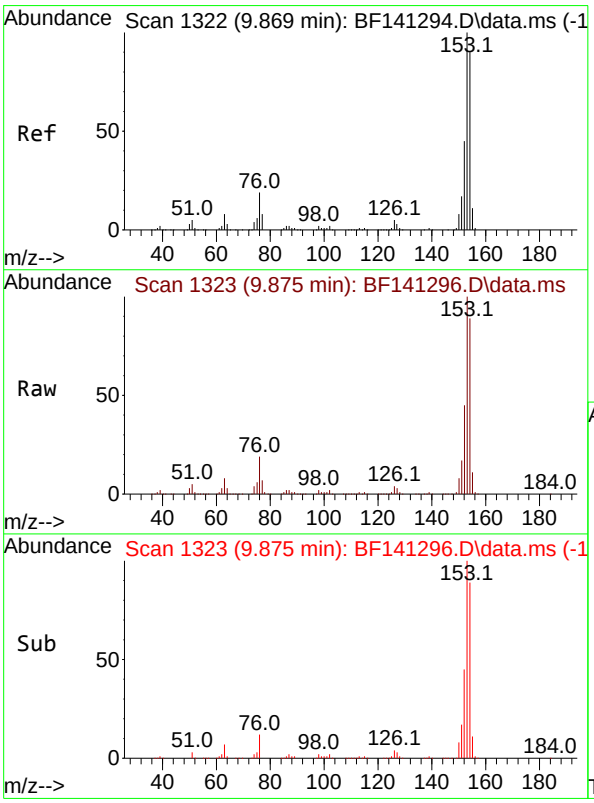
Ion	Ratio	Lower	Upper
165	100		
63	58.5	48.1	72.1
89	54.8	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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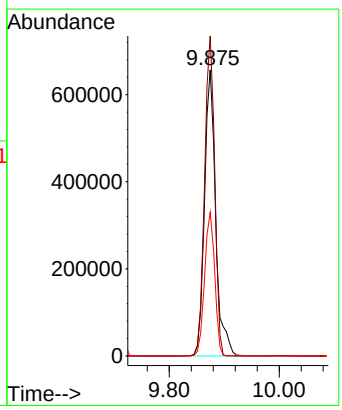
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

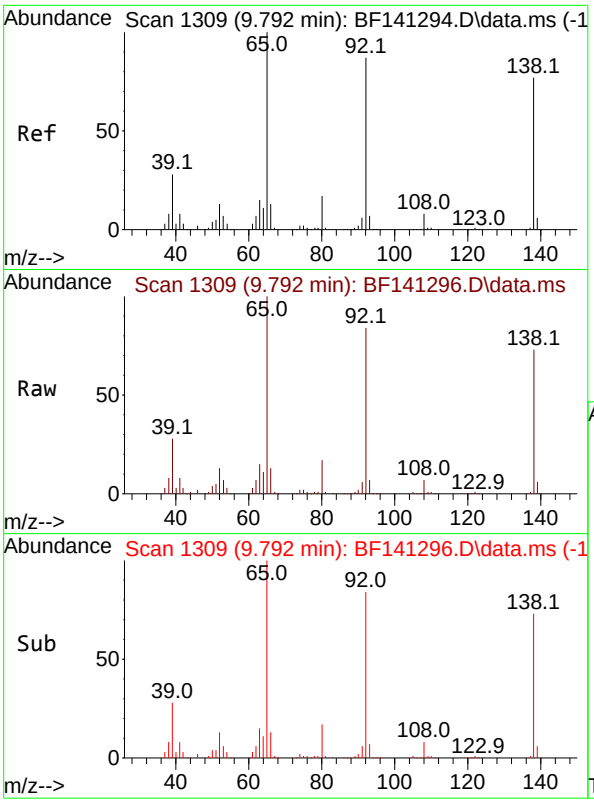


#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 921519

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.2	40.2	60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

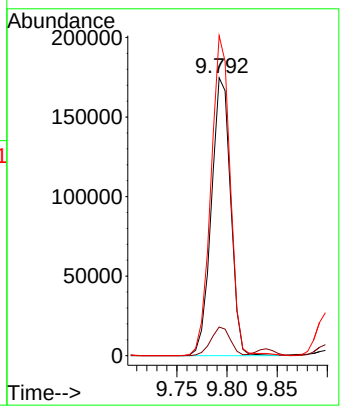
Tgt Ion:138 Resp: 23268

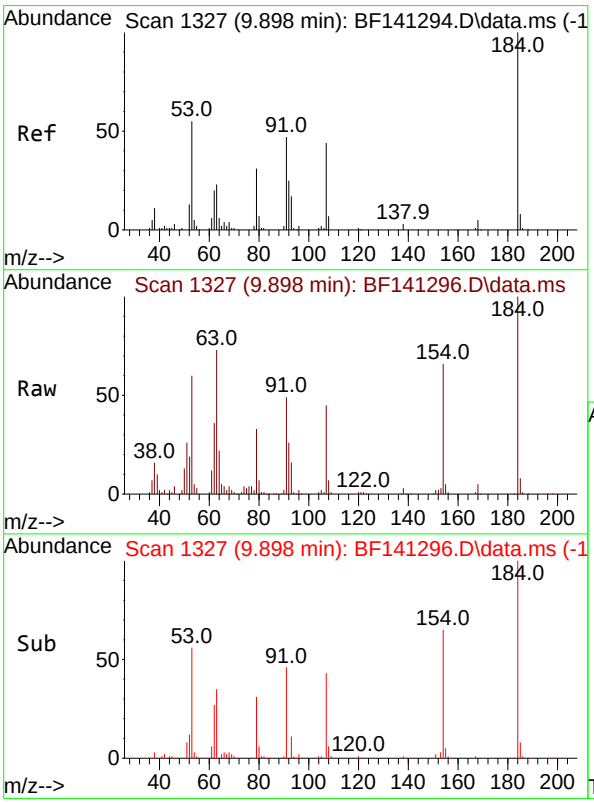
Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.6	12.8
92	115.2	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

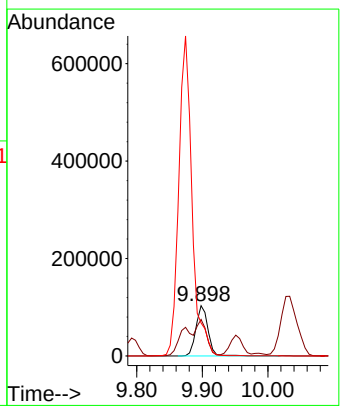


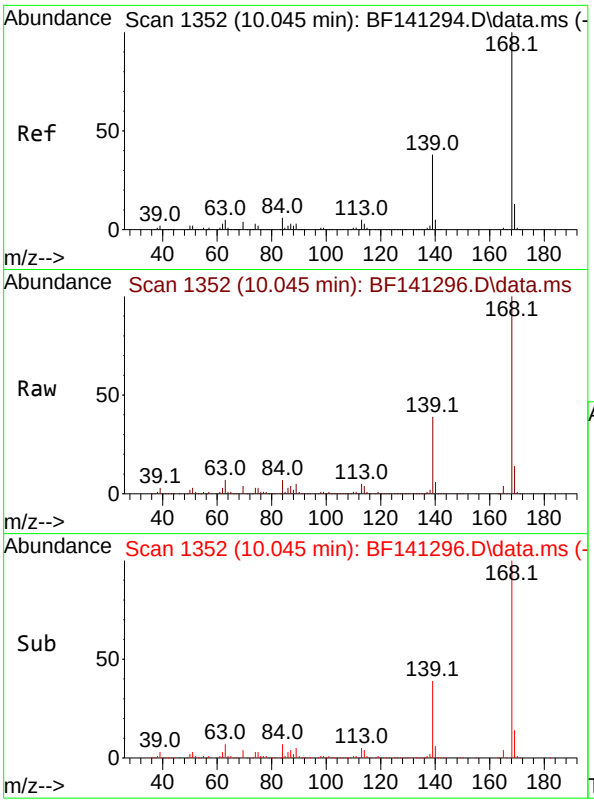


#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244

Ion	Ratio	Lower	Upper
184	100		
63	72.8	54.1	81.1
154	65.5	50.7	76.1

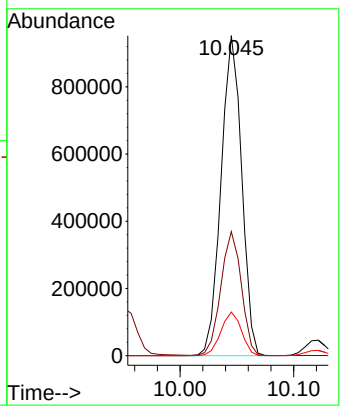




#55
Dibenzofuran
Concen: 54.629 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:168 Resp: 120202

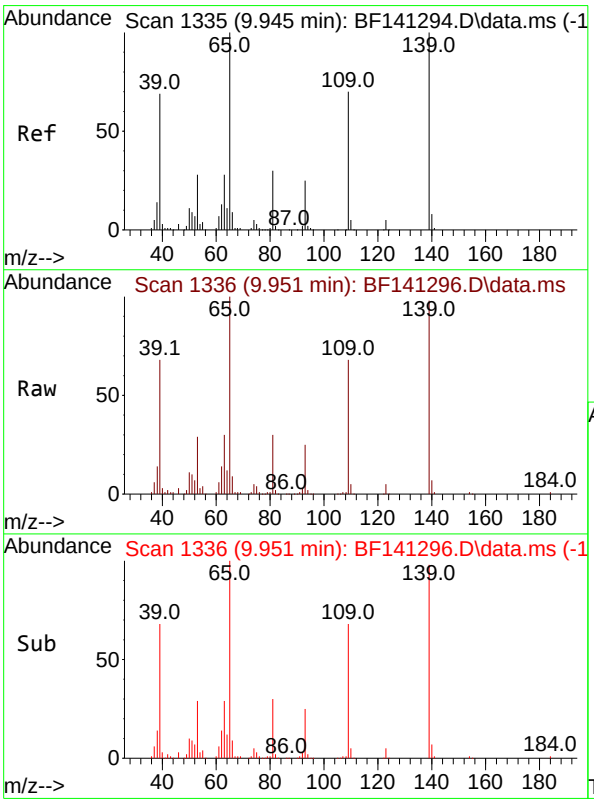
Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.6	46.0
169	13.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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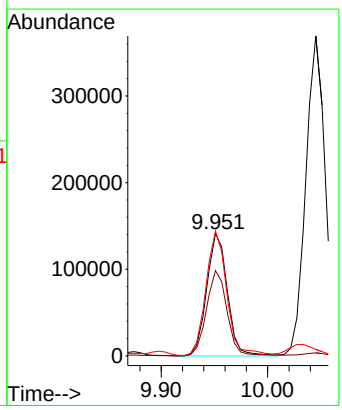
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

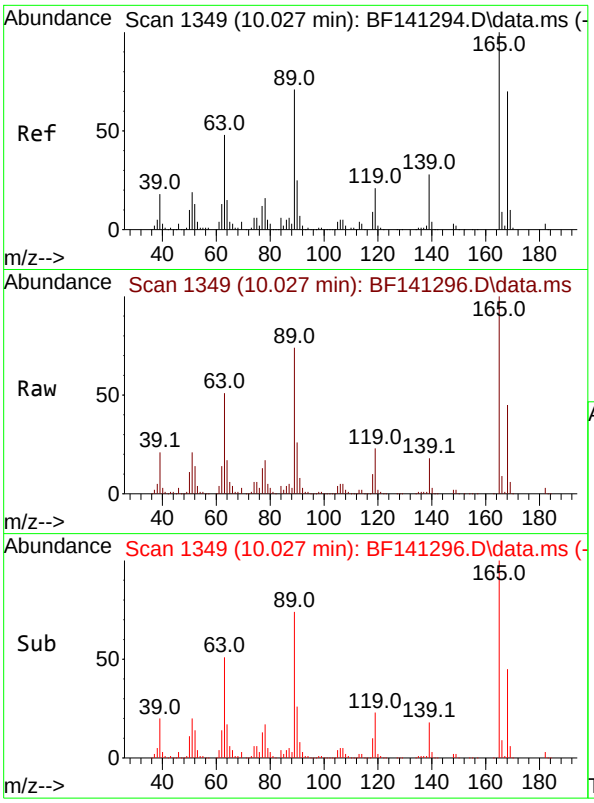


#56
4-Nitrophenol
Concen: 66.120 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 190620

Ion	Ratio	Lower	Upper
139	100		
109	69.8	50.2	90.2
65	102.1	80.6	120.6

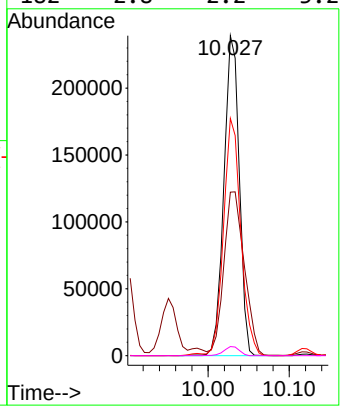




#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 31522

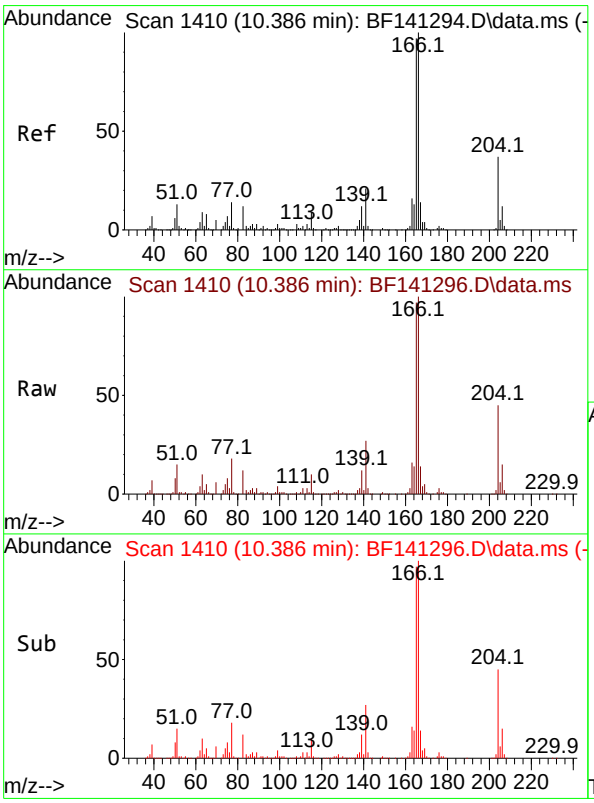
Ion	Ratio	Lower	Upper
165	100		
63	51.1	39.2	58.8
89	74.2	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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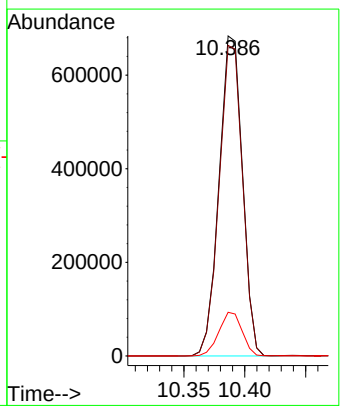
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

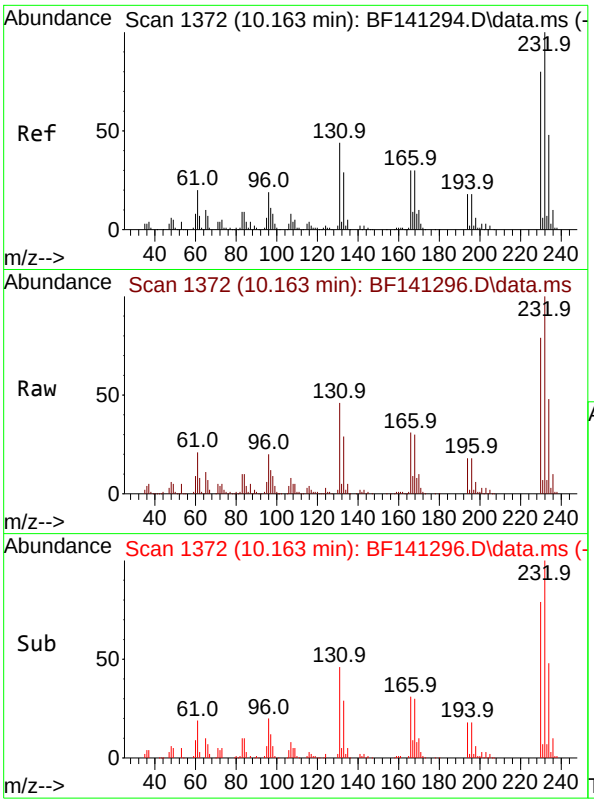


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:166 Resp: 915246

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.6	10.9	16.3

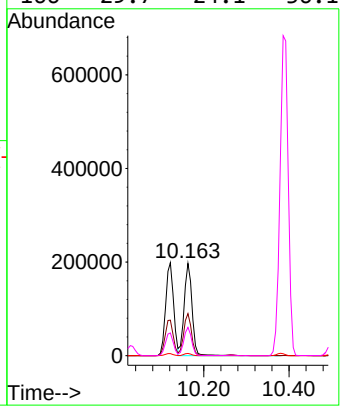




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:232 Resp: 25296

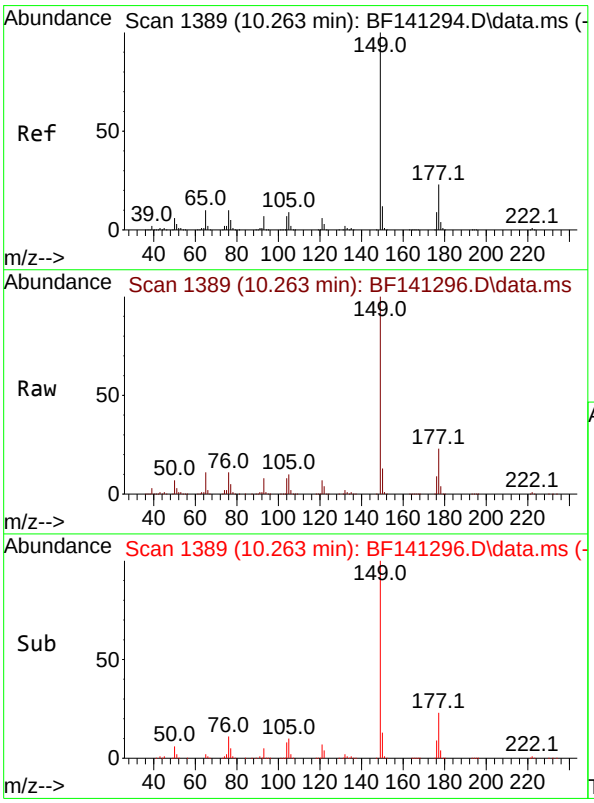
Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.4	54.6
130	2.3	1.9	2.9
166	29.7	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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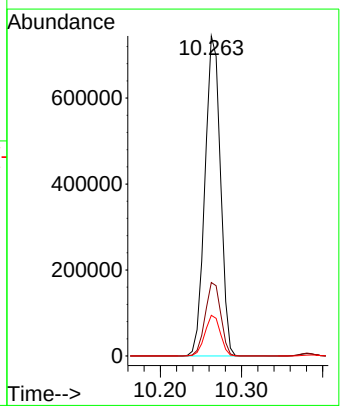
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

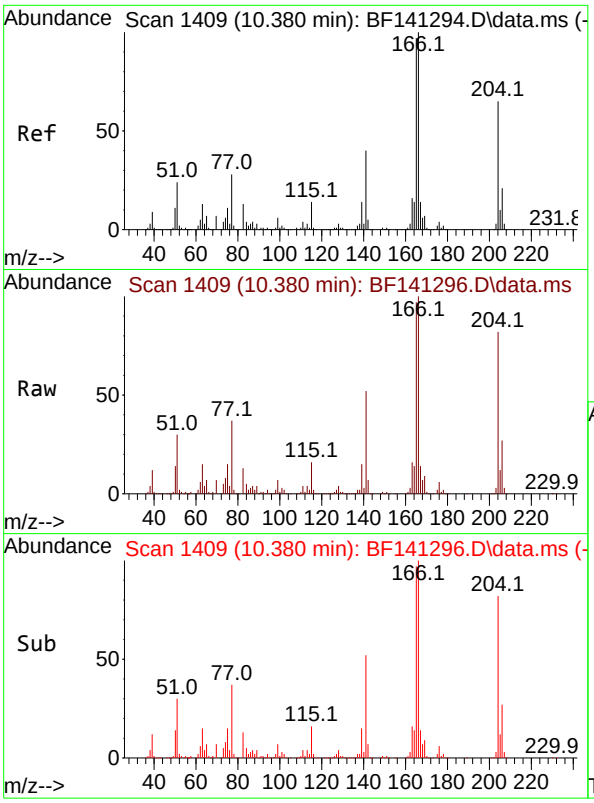


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 983788

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

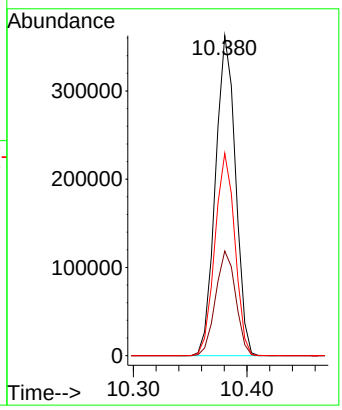
Tgt Ion:204 Resp: 44584

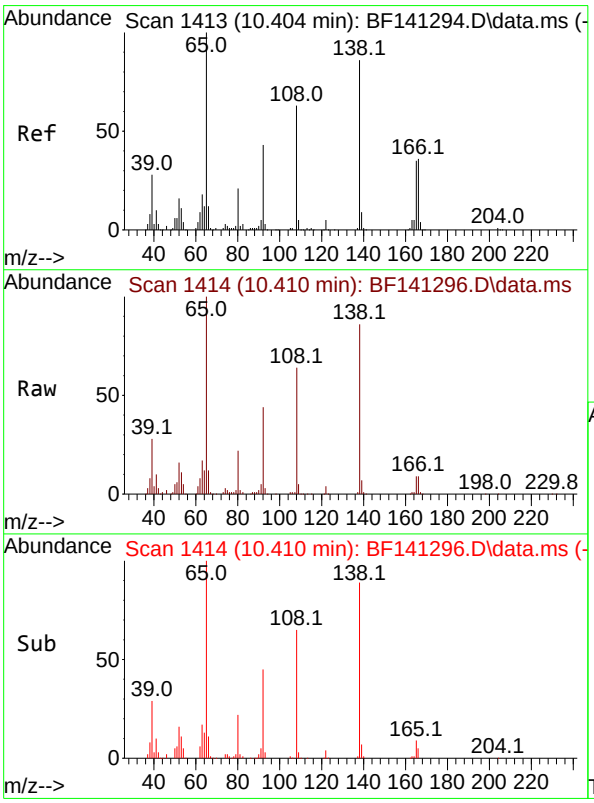
Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.9	38.9
141	63.2	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

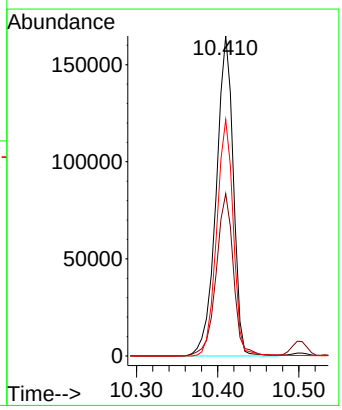


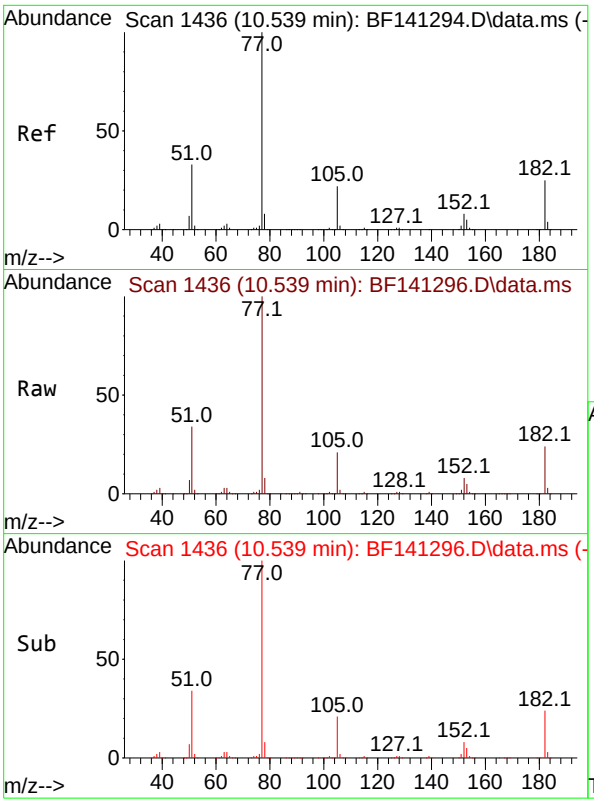


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:138 Resp: 242716

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.1	70.1
108	73.8	53.1	93.1

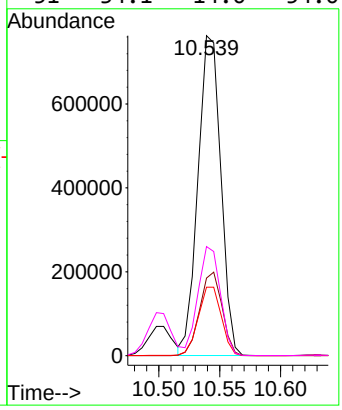




#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 99660

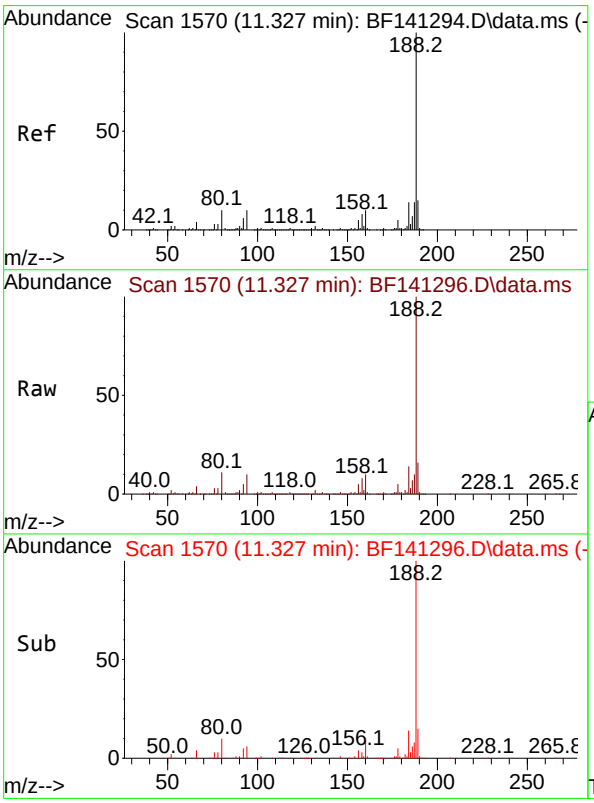
Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.1	45.1
105	21.4	1.8	41.8
51	34.1	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

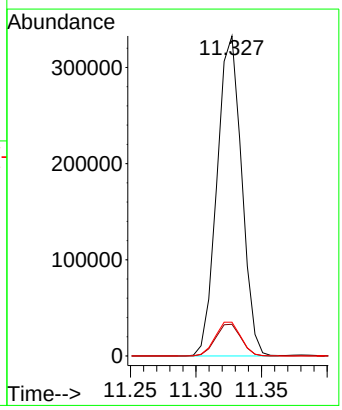
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

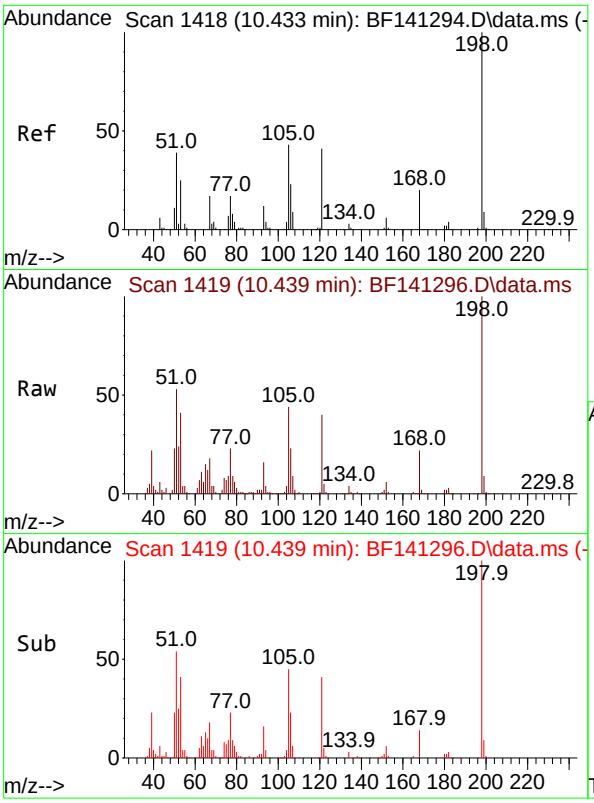


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:188 Resp: 434671

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.6	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

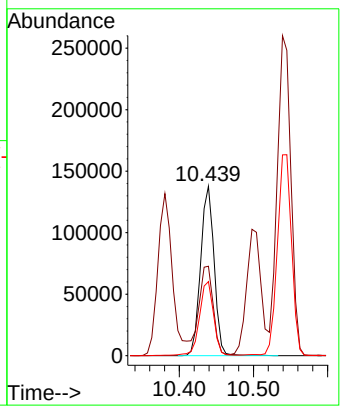
Tgt Ion:198 Resp: 17424

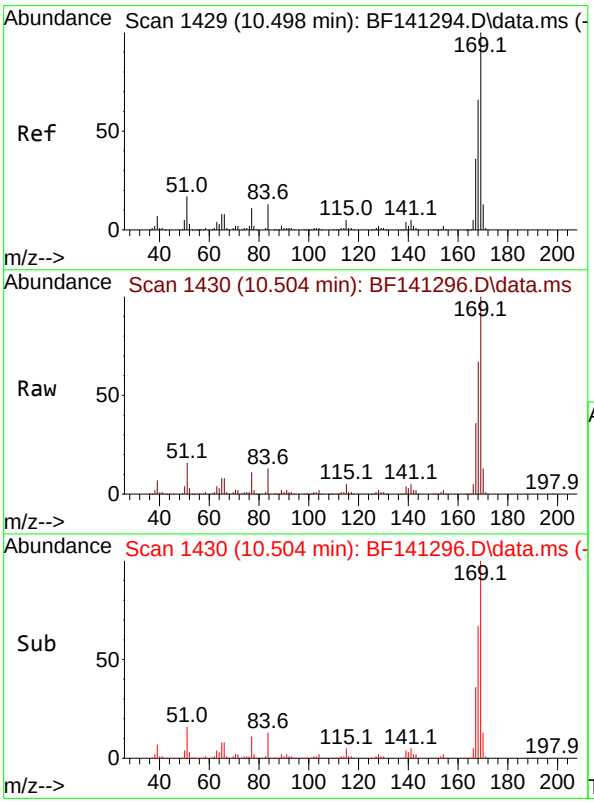
Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.4	73.4
105	43.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

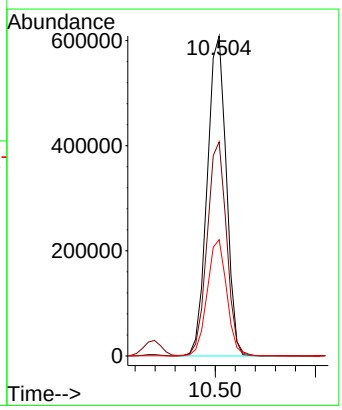


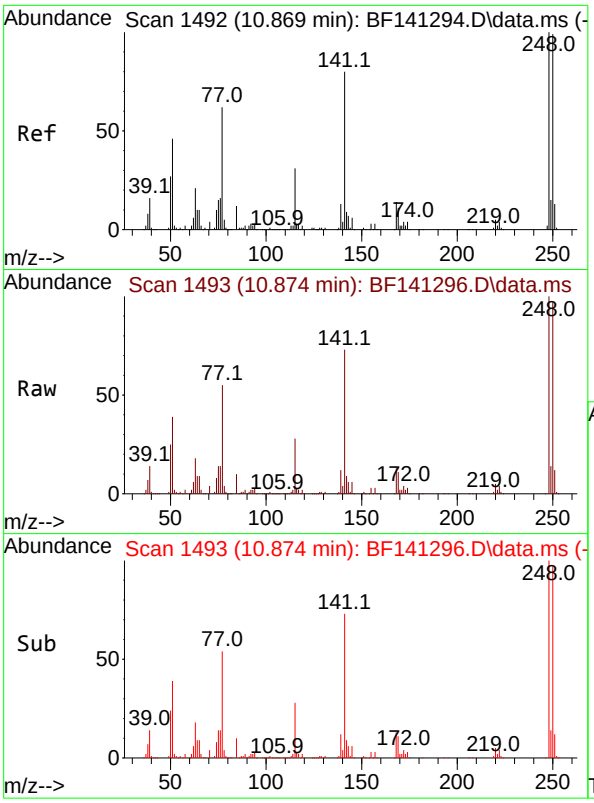


#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:169 Resp: 800147

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

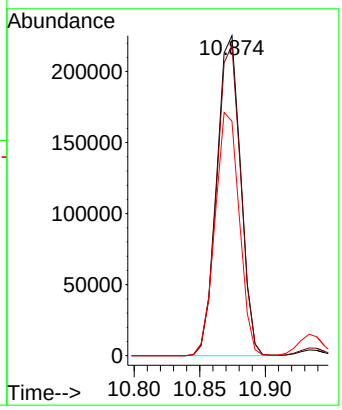
Tgt Ion:248 Resp: 28664

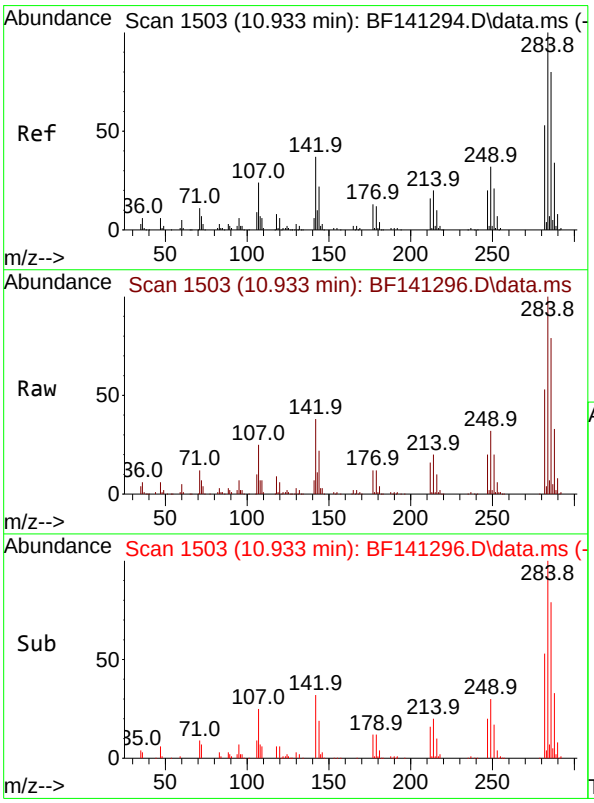
Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	73.2	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
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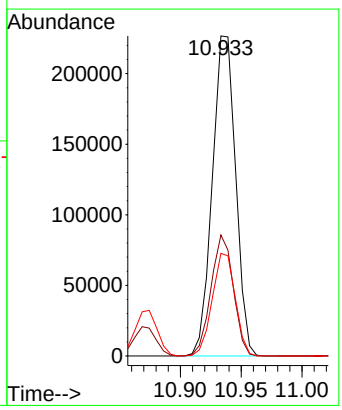


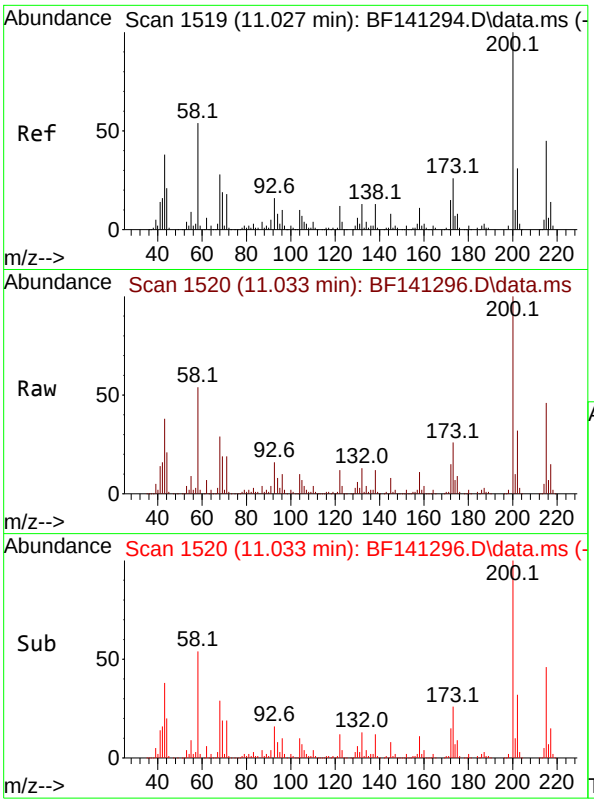


#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:284 Resp: 302508

Ion	Ratio	Lower	Upper
284	100		
142	37.8	29.5	44.3
249	32.0	25.4	38.2

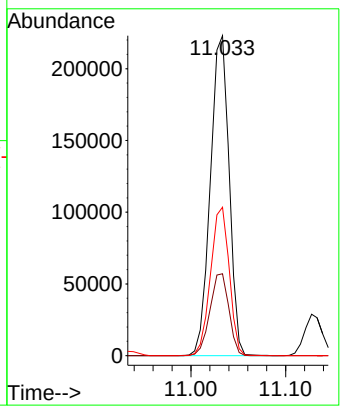




#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:200 Resp: 30652

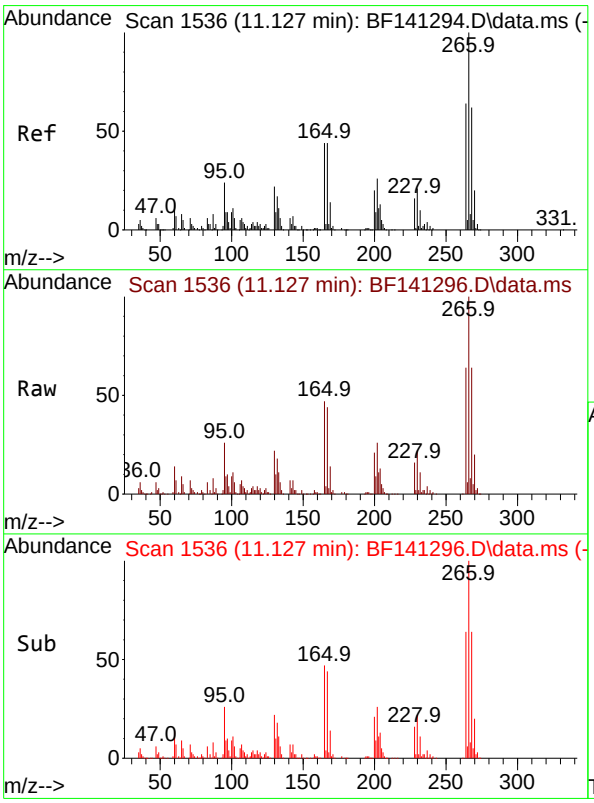
Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	46.4	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

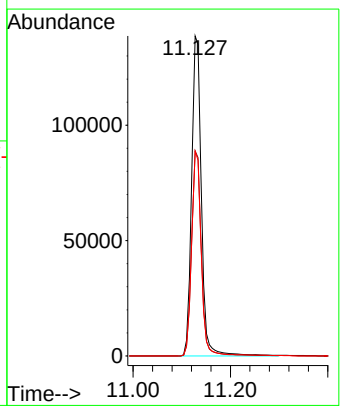
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

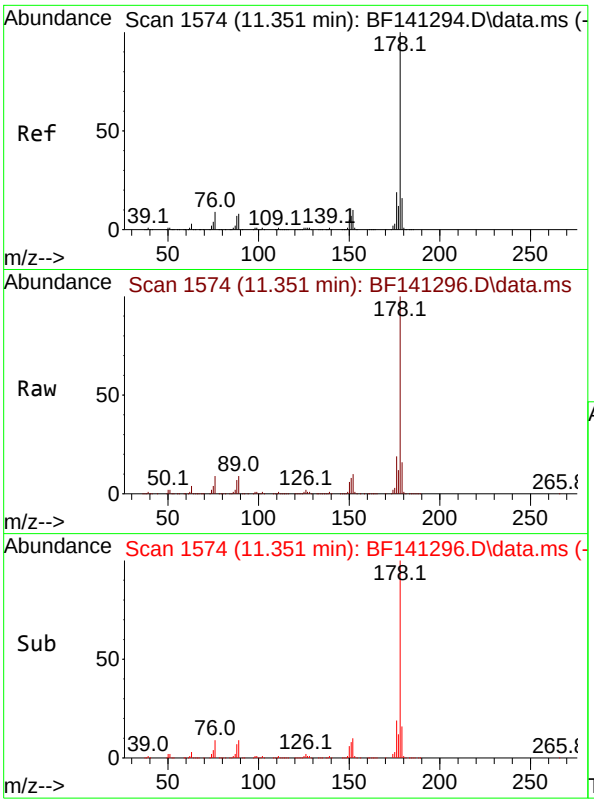


#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:266 Resp: 194335

Ion	Ratio	Lower	Upper
266	100		
268	64.1	49.9	74.9
264	63.9	51.0	76.4

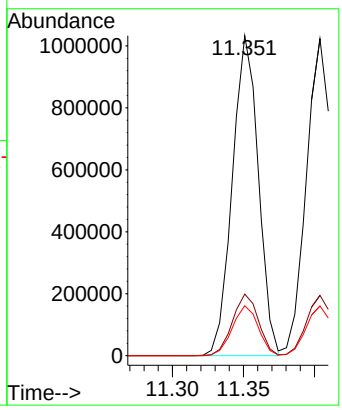




#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 131698

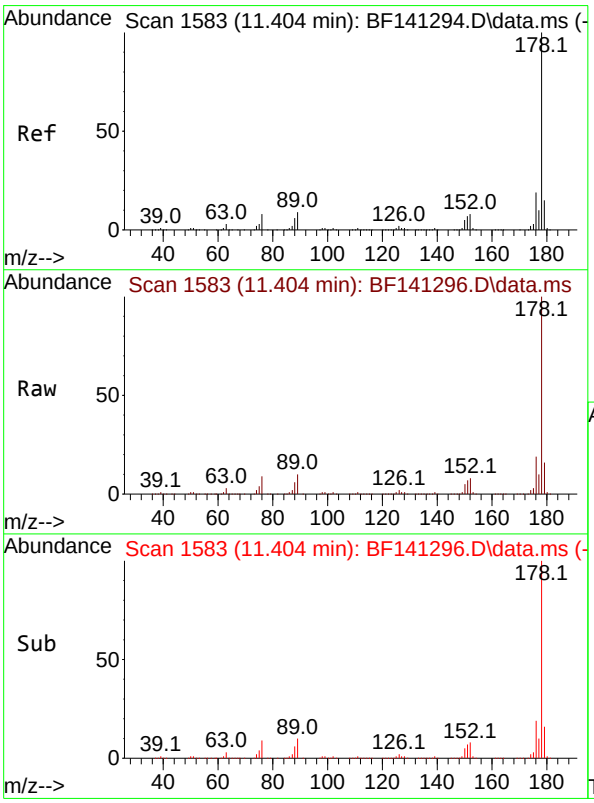
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

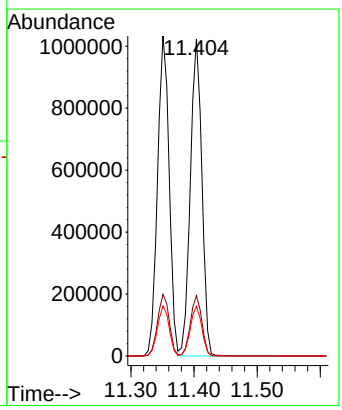
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

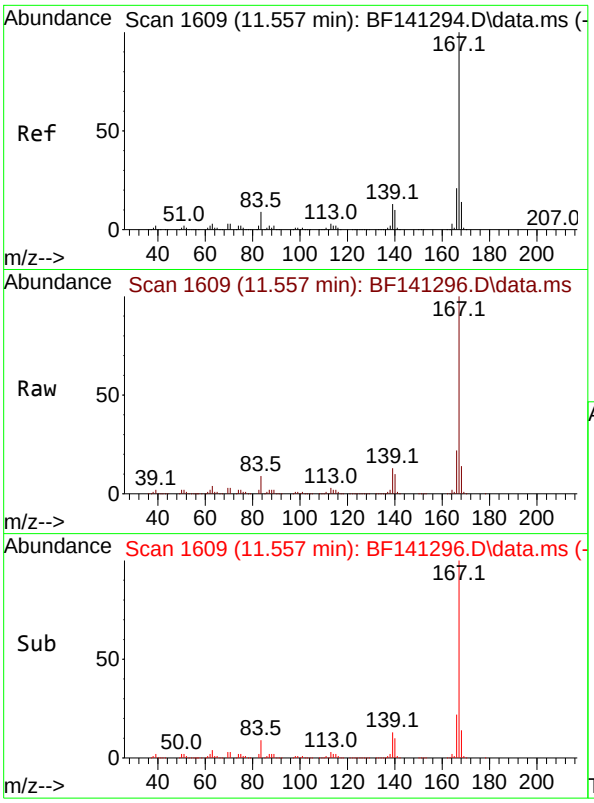


#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 1298334

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.7	12.3	18.5

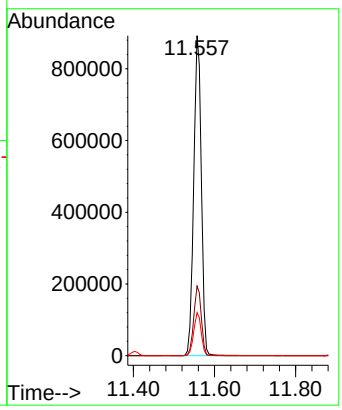




#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:167 Resp: 117333

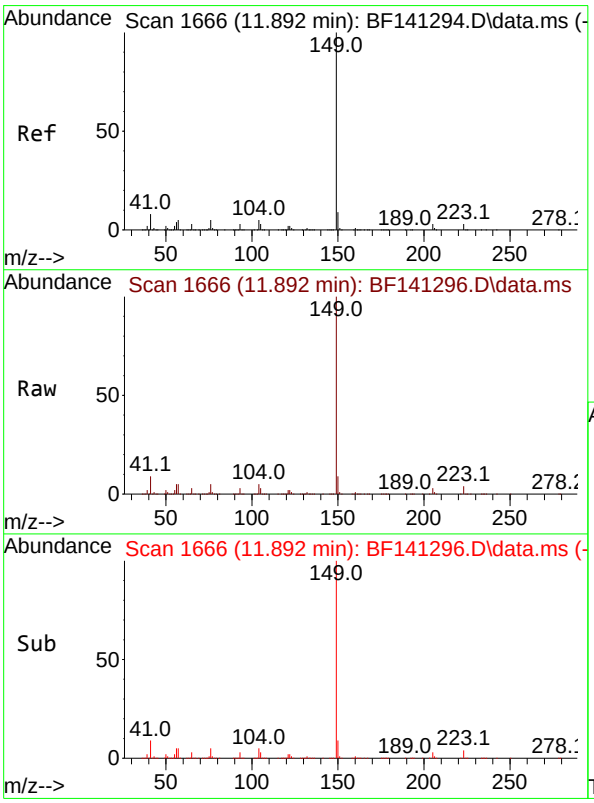
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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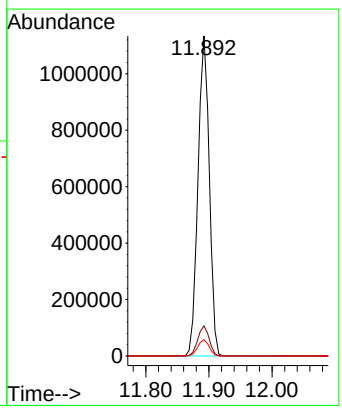
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

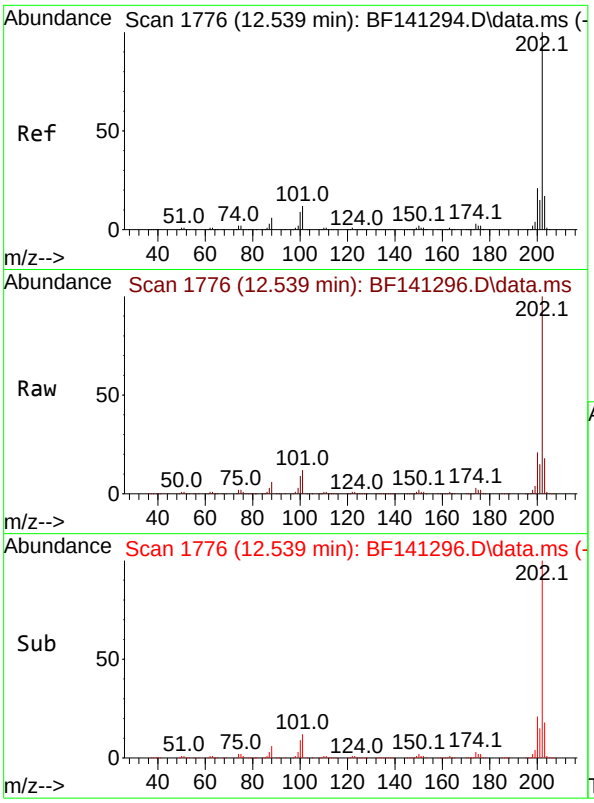


#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 1410222

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9

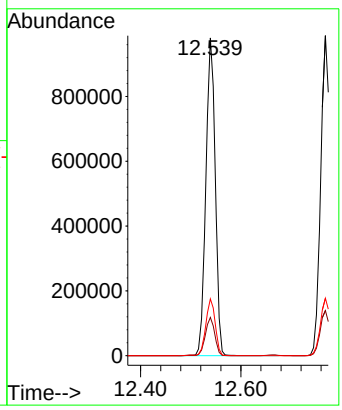




#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 127999

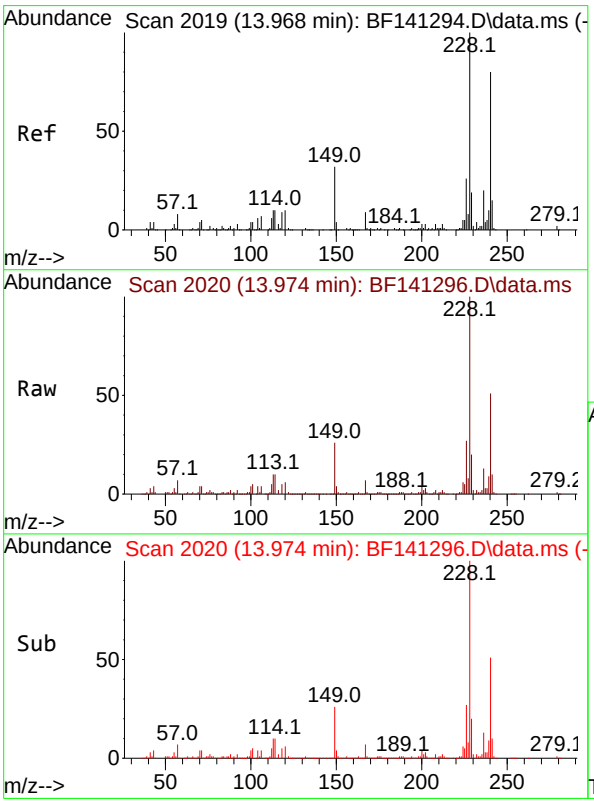
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.7
203	17.9	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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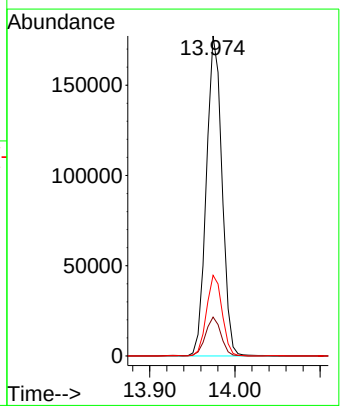
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

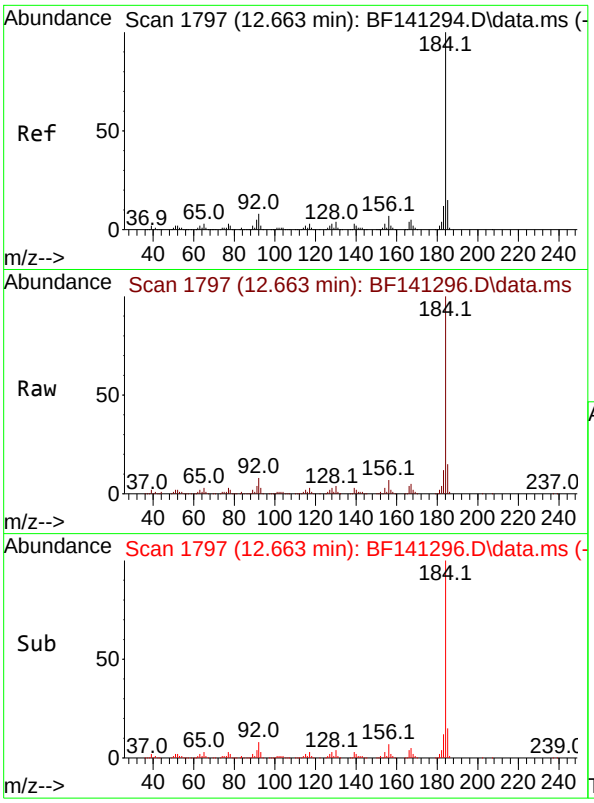


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:240 Resp: 225615

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.0	15.0
236	25.2	19.7	29.5





#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

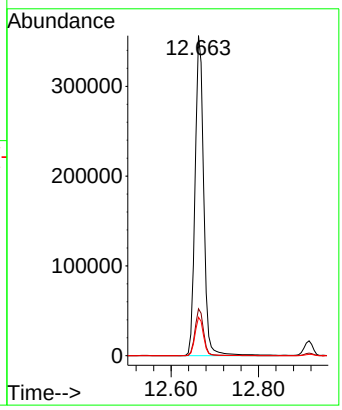
Tgt Ion:184 Resp: 490009

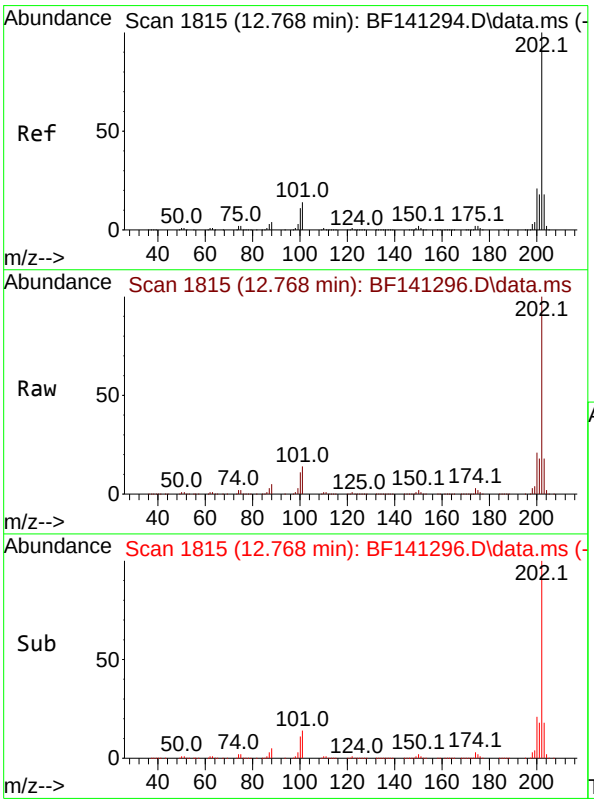
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	12.0	9.5	14.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

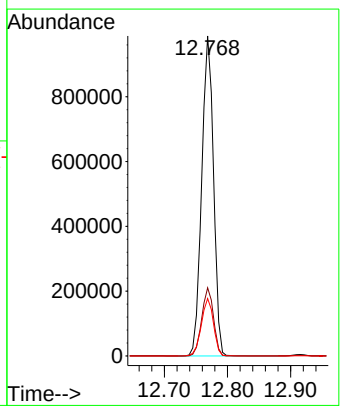


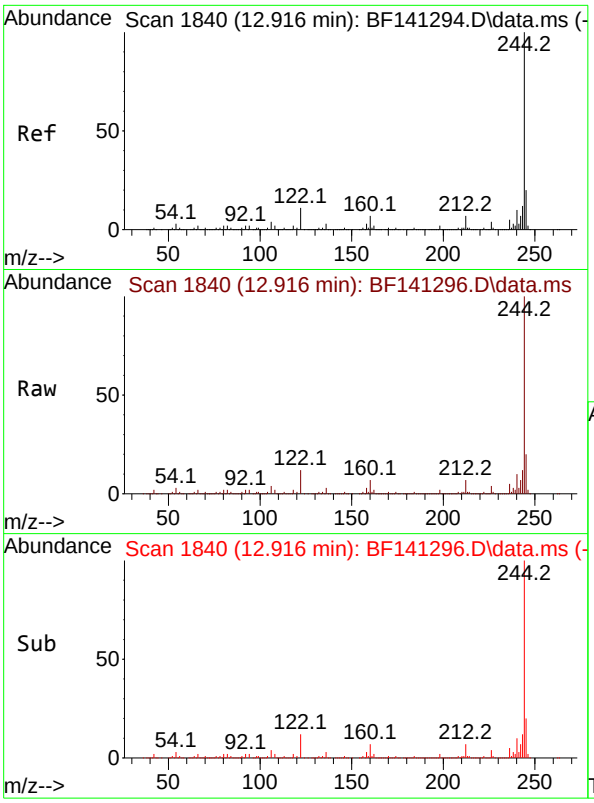


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 1284820

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5

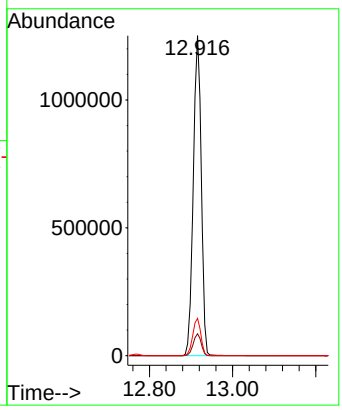




#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:244 Resp: 166559

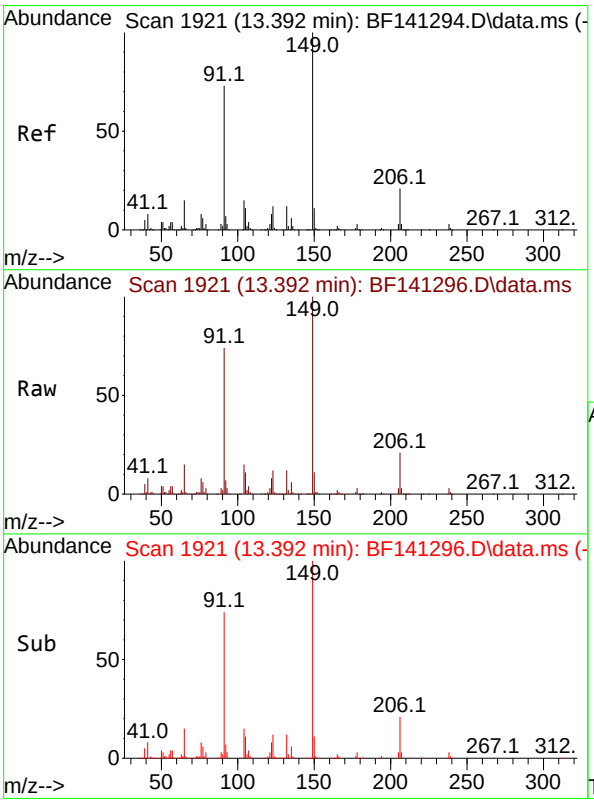
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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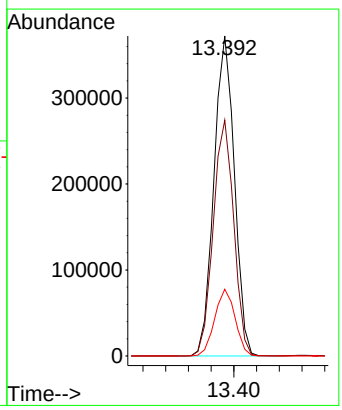
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

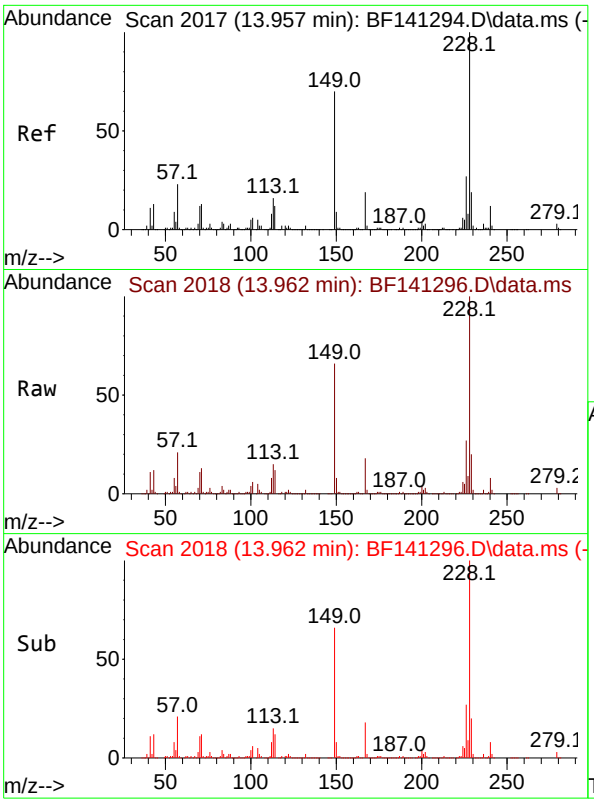


#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 465533

Ion	Ratio	Lower	Upper
149	100		
91	73.7	58.6	87.8
206	20.8	16.7	25.1

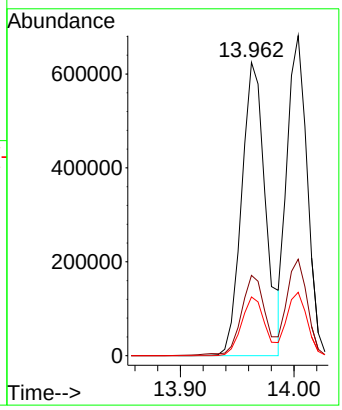




#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:228 Resp: 91721

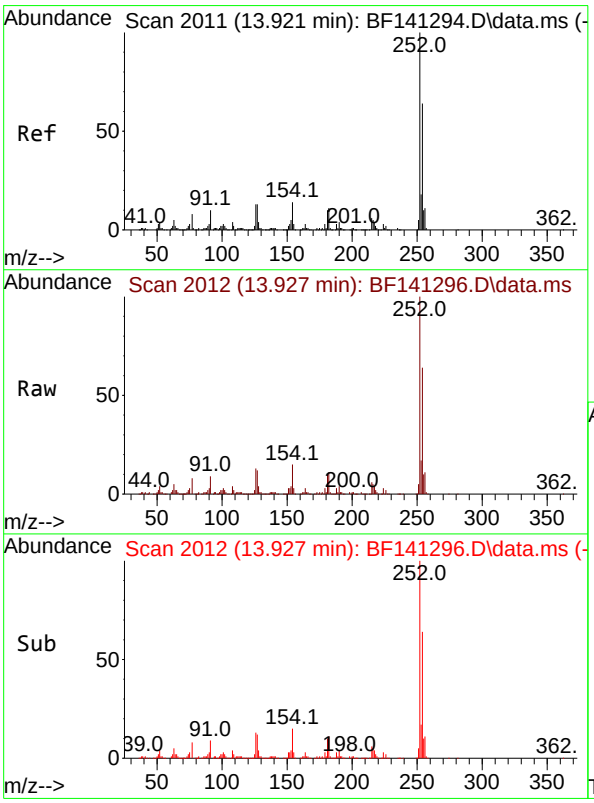
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.0	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

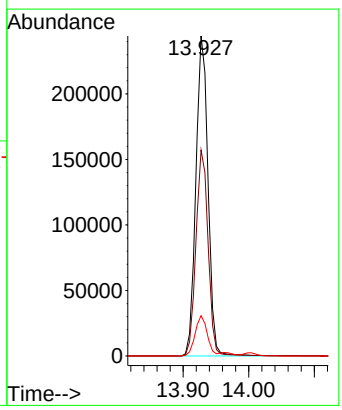
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

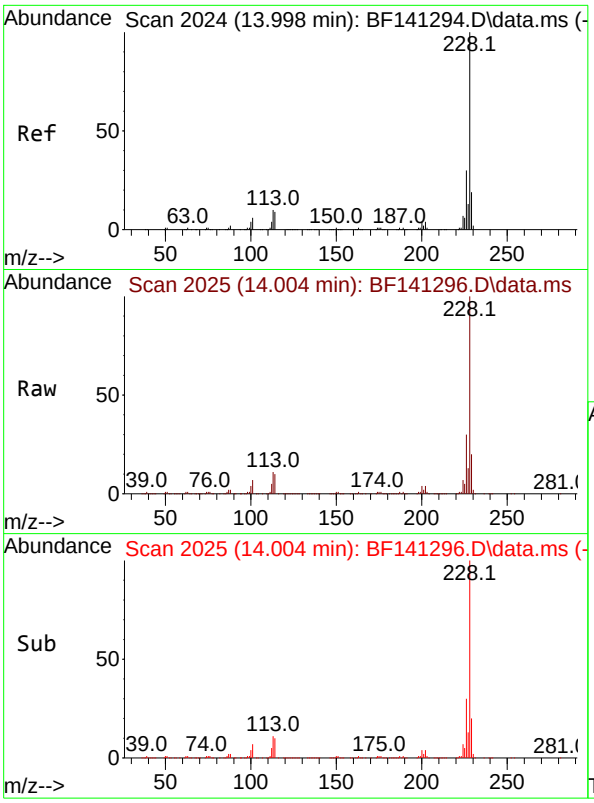


#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 315503

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.3	76.9
126	12.6	10.0	15.0





#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

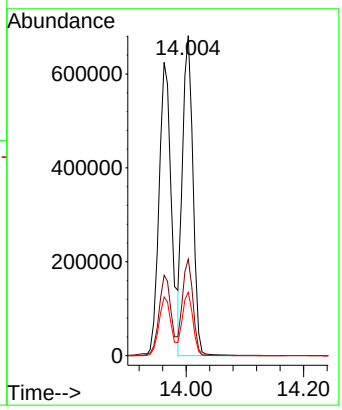
Tgt Ion:228 Resp: 84112(

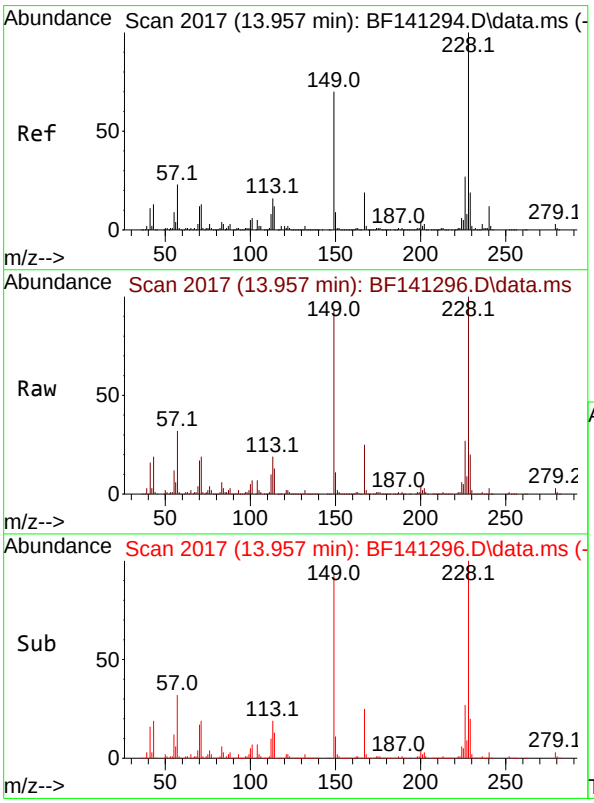
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

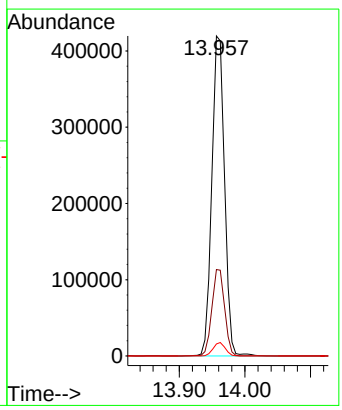


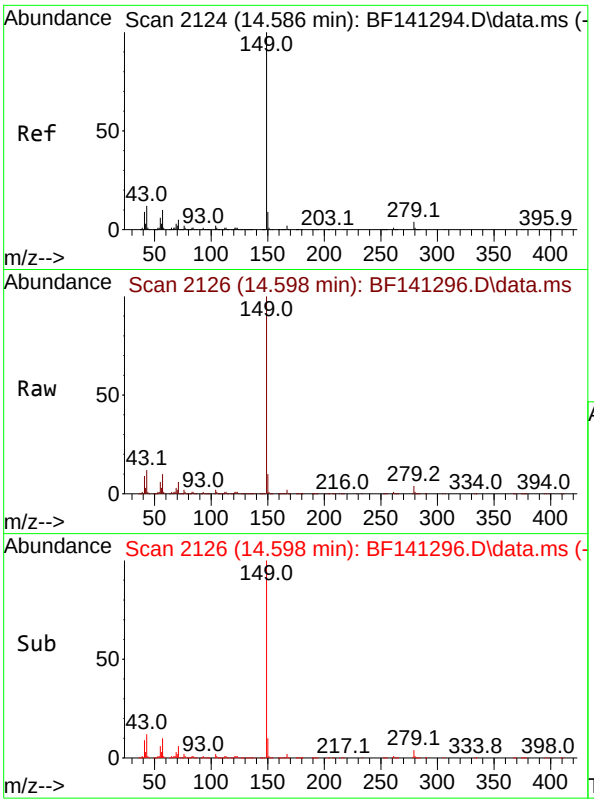


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 564642

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

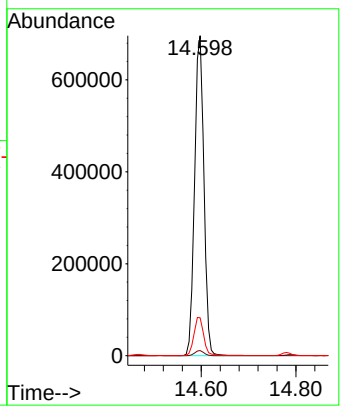
Tgt Ion:149 Resp: 95147

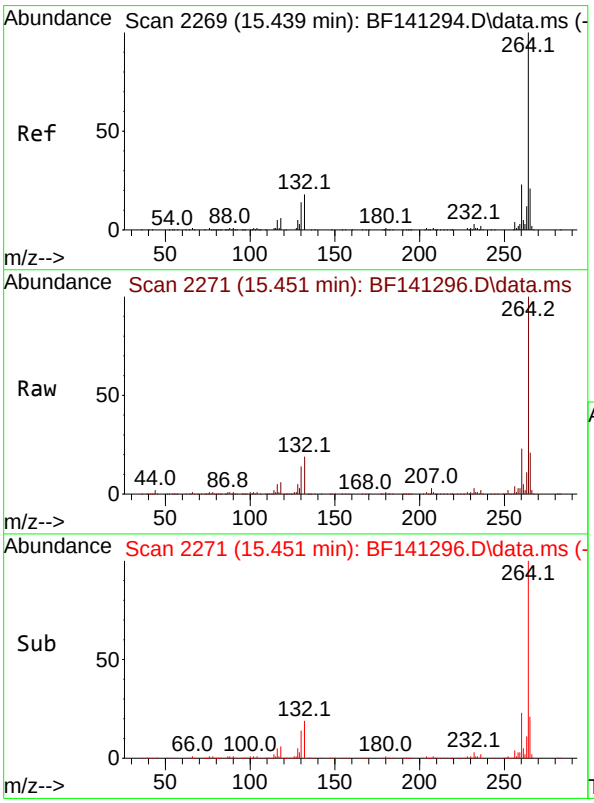
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.6	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

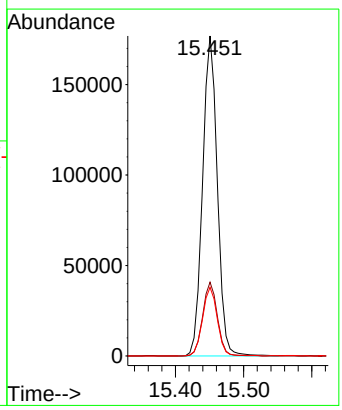


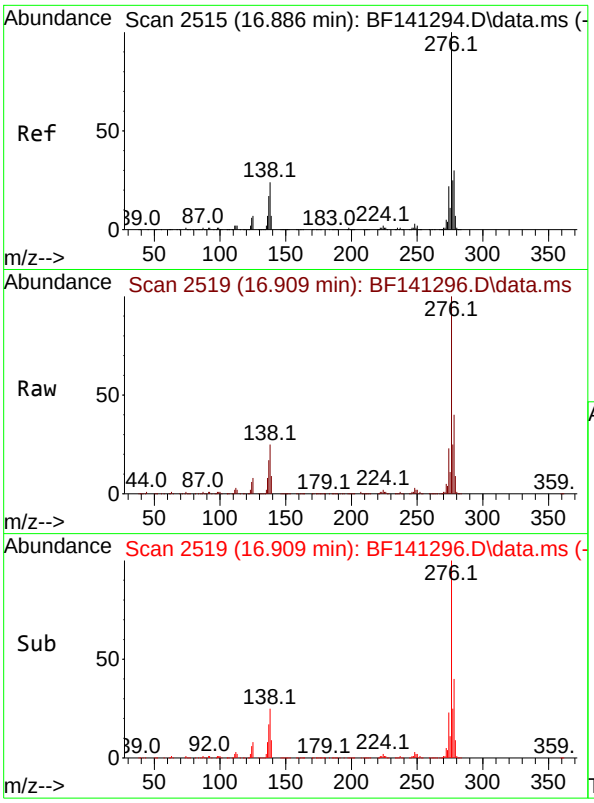


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:264 Resp: 265921

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.5	16.7	25.1

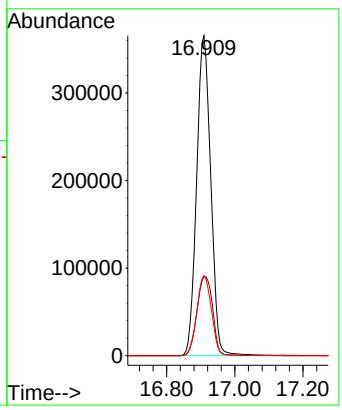




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 105498

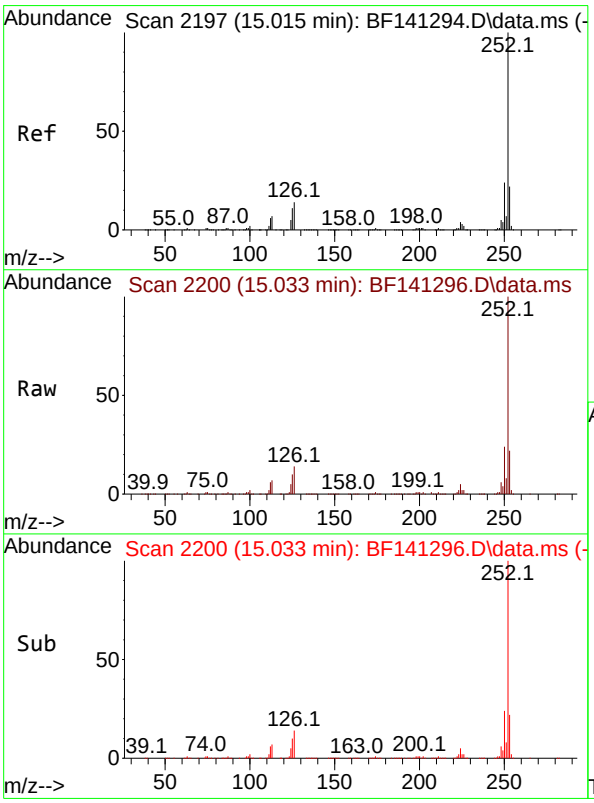
Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.8	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

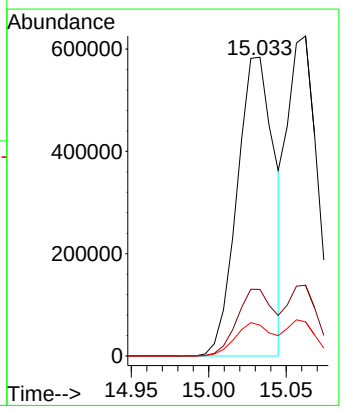
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

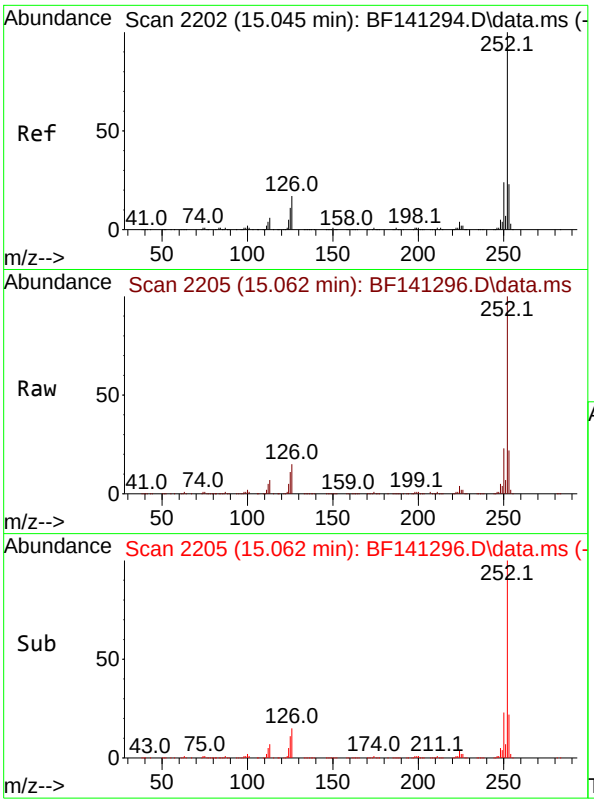


#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 971433

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.3	8.6	12.8

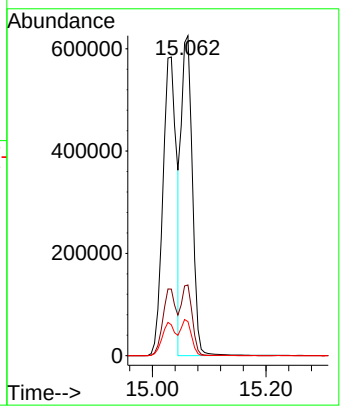




#89
Benzo(k)fluoranthene
Concen: 55.934 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 84584

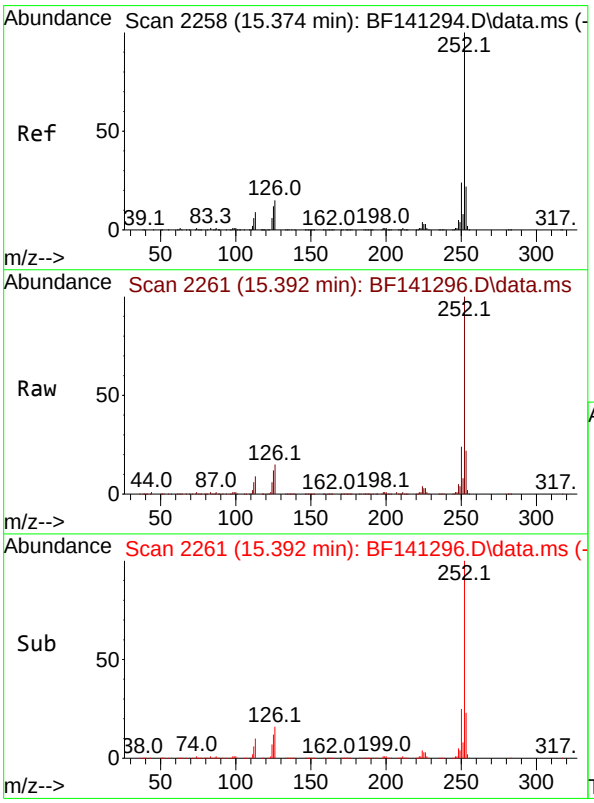
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

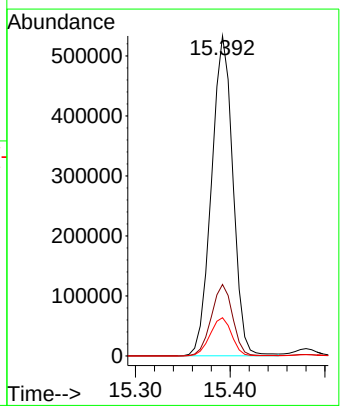
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

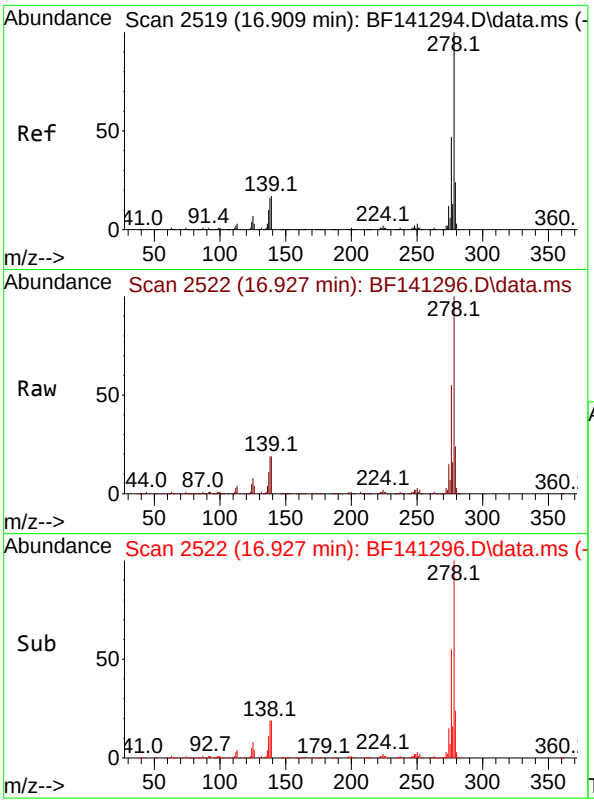


#90
Benzo(a)pyrene
Concen: 58.588 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 838283

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.0	9.4	14.2

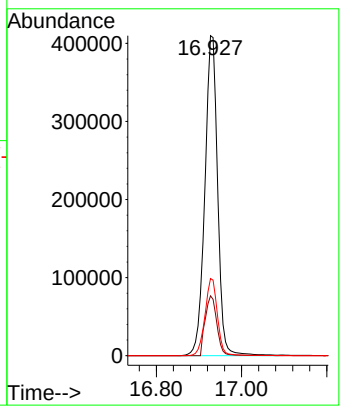




#91
Dibenzo(a,h)anthracene
Concen: 62.119 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:278 Resp: 85421

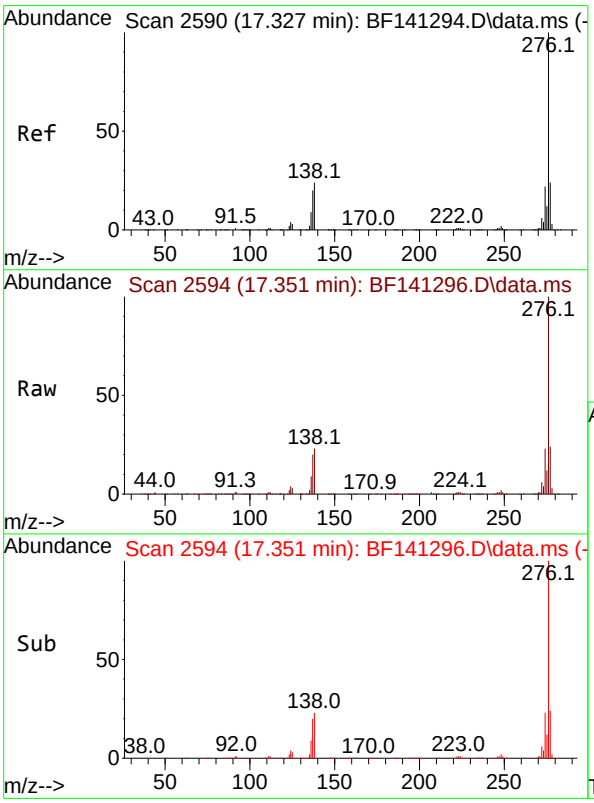
Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.9	20.9
279	24.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

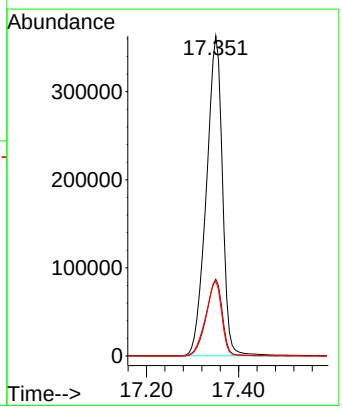
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 61.510 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 881804

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.4	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng		0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng		0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng		0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng		0.00
86) Perylene-d12	15.439	264	271797	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng		0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng		0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng		0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng		0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng		0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng		100
3) Pyridine	3.228	79	684346	76.095	ng		99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng		99
6) Aniline	6.469	93	607667	65.185	ng	#	86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng		97
9) Benzaldehyde	6.351	77	376227	58.226	ng		100
10) Phenol	6.451	94	804078	69.411	ng		90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng		98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng		99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng		99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng		99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng		98
17) 2-Methylphenol	7.057	107	545097	73.368	ng		97
18) Hexachloroethane	7.316	117	265593	70.765	ng		97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng		97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng		96
22) Acetophenone	7.216	105	824220	67.811	ng	#	96
24) Nitrobenzene	7.393	77	716200	71.762	ng		99
25) Isophorone	7.628	82	1229697	74.193	ng		99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng		98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng		99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng		99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng		100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng		100
31) Naphthalene	8.110	128	1838789	68.107	ng		99
32) Benzoic acid	7.881	122	484583	91.066	ng		99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng		99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng		99
35) Caprolactam	8.545	113	177093	74.270	ng		99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng		98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng		98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng		100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng		99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

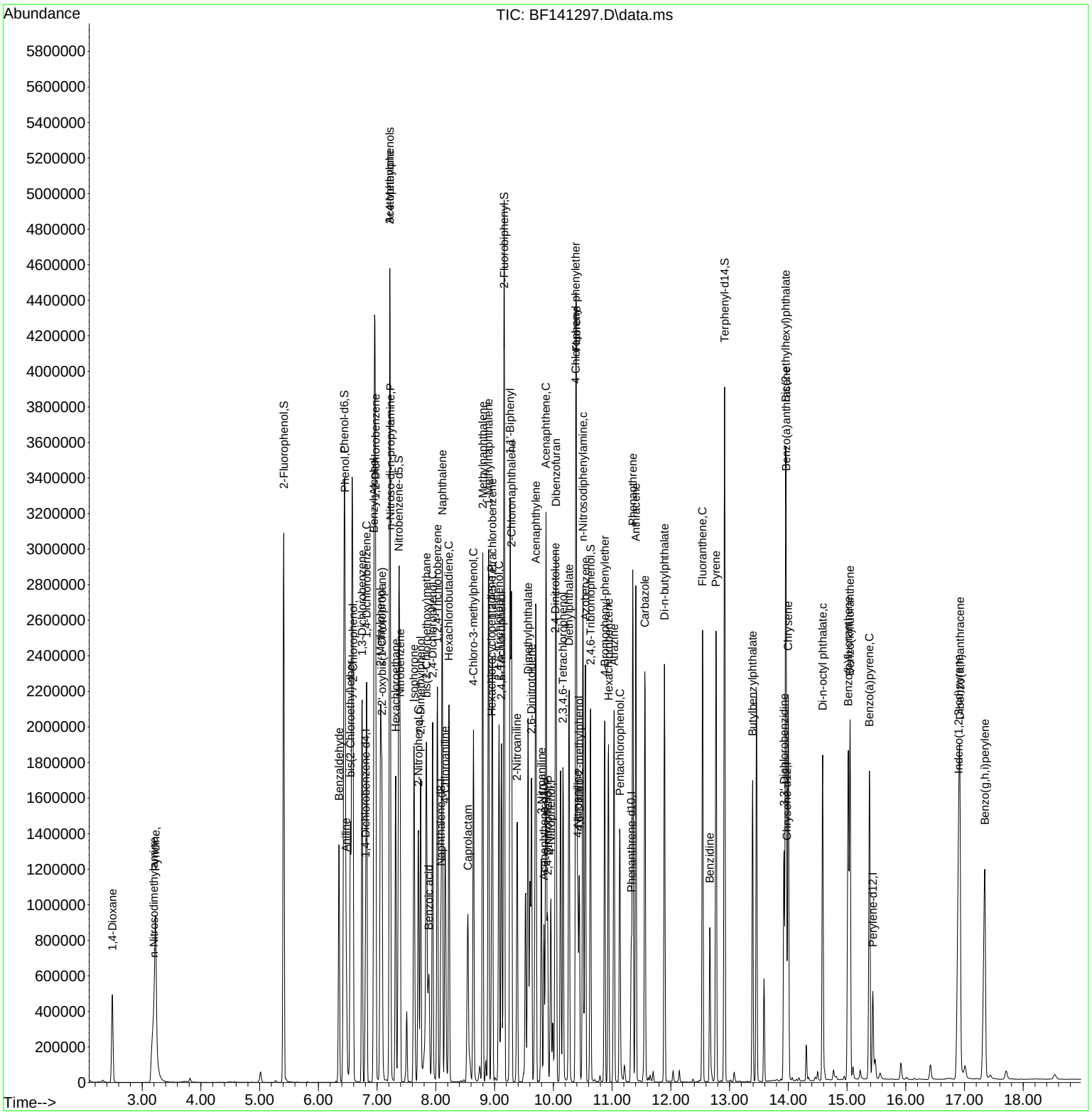
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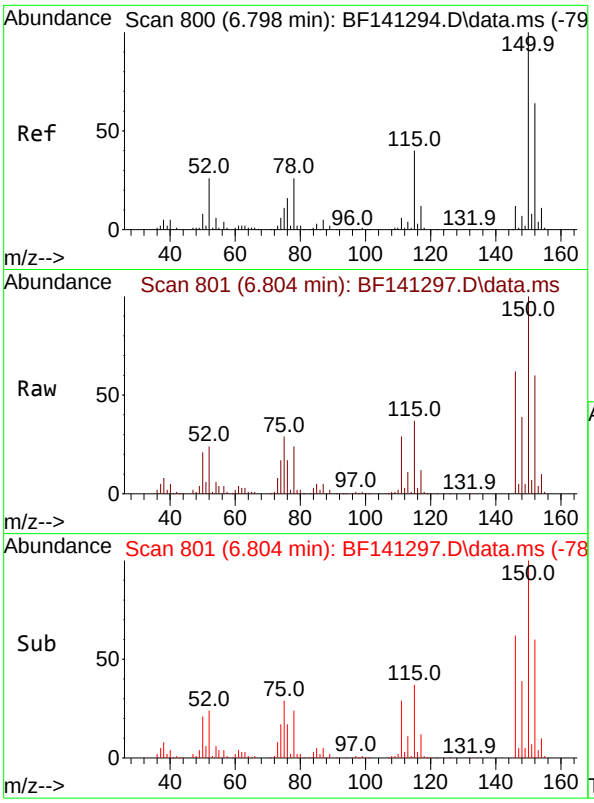
ICAL Form

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Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration



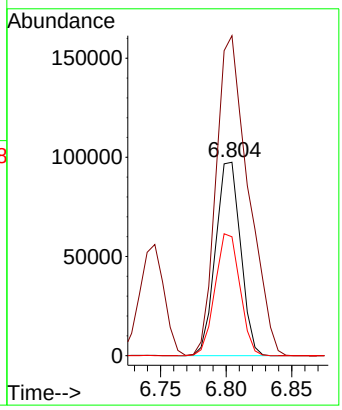


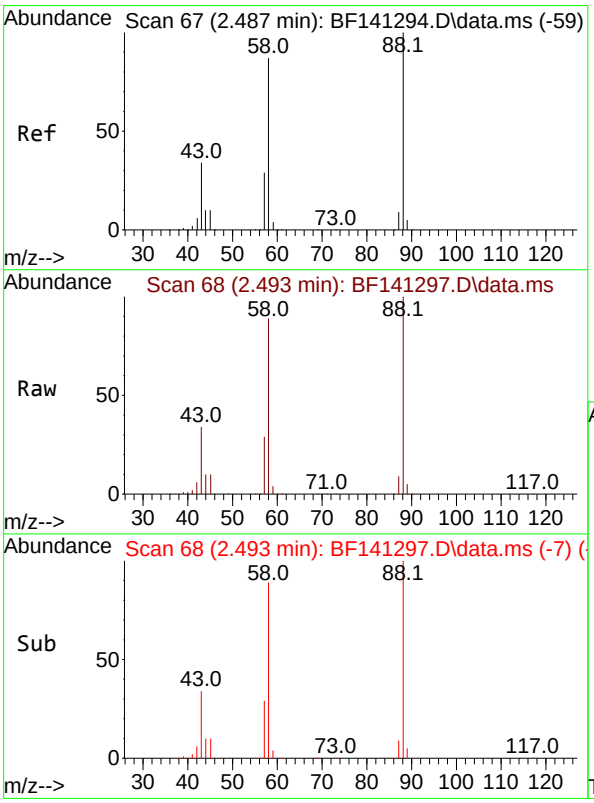
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 129386

Ion	Ratio	Lower	Upper
152	100		
150	165.5	125.9	188.9
115	61.4	49.7	74.5

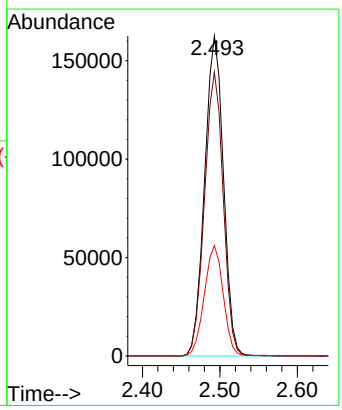


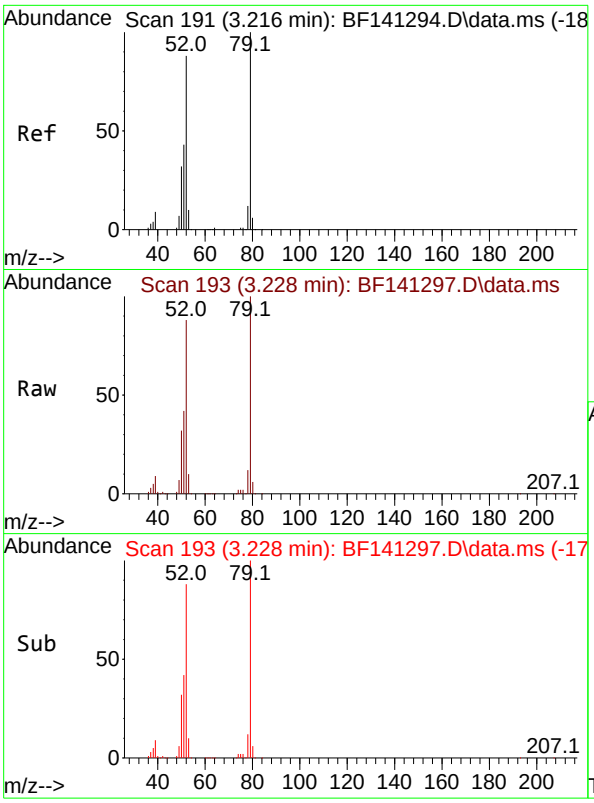


#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.4
43	34.3	27.6	41.4



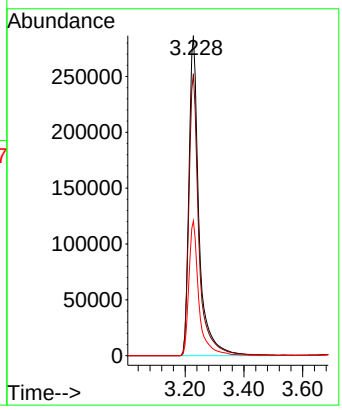


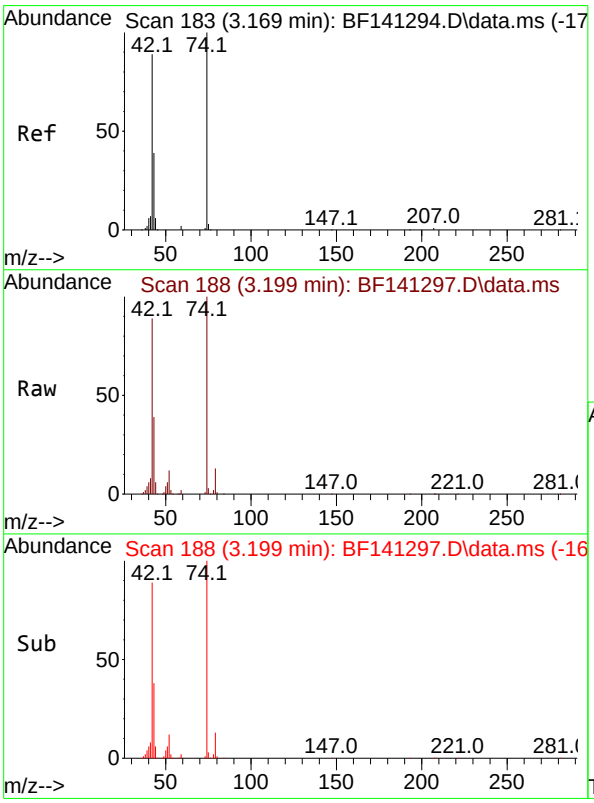
#3
Pyridine
Concen: 76.095 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 684346

Ion	Ratio	Lower	Upper
79	100		
52	88.1	70.3	105.5
51	42.1	34.3	51.5

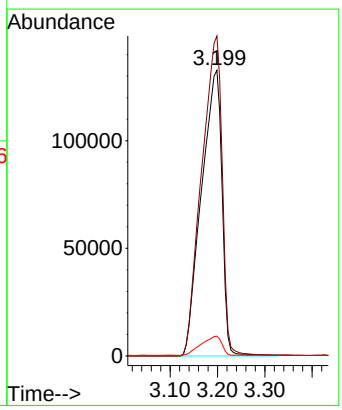


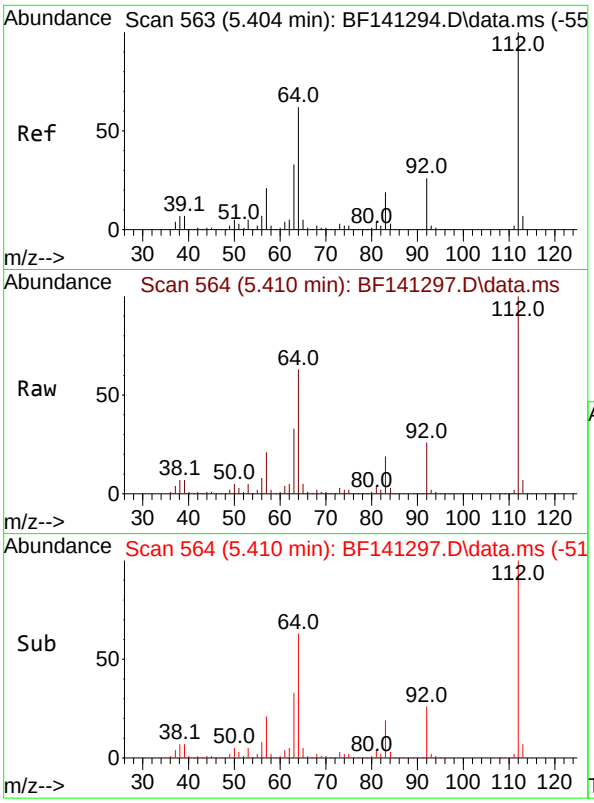


#4
n-Nitrosodimethylamine
Concen: 77.974 ng
RT: 3.199 min Scan# 188
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 42 Resp: 399245

Ion	Ratio	Lower	Upper
42	100		
74	112.0	90.3	135.5
44	6.9	5.7	8.5



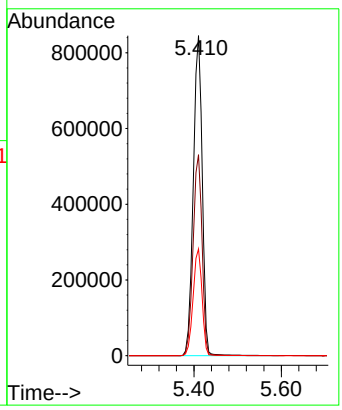


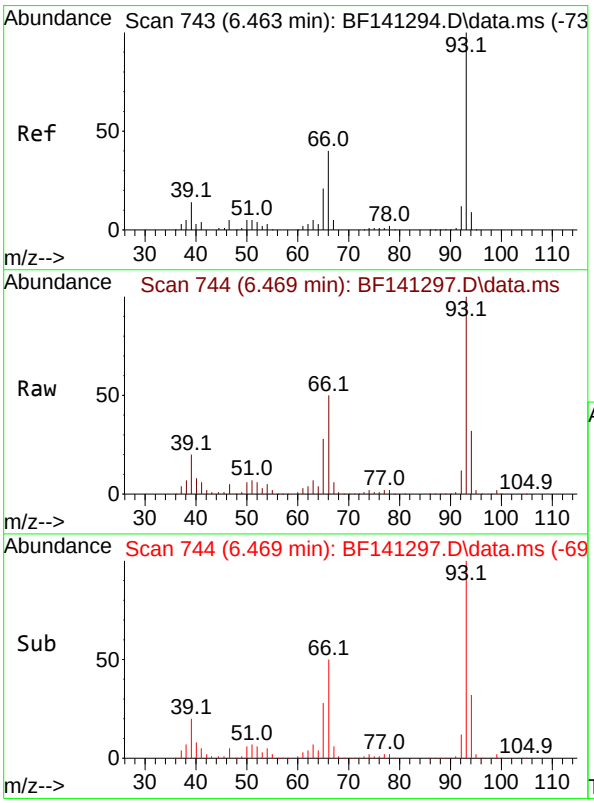
#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1203835

Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.8	74.8
63	33.4	26.1	39.1

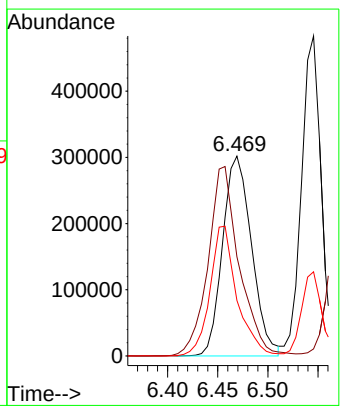


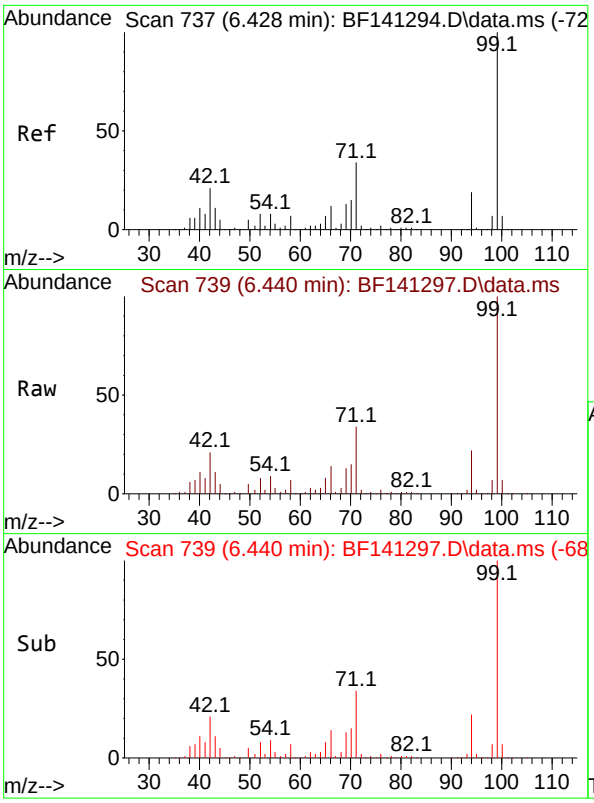


#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667

Ion	Ratio	Lower	Upper
93	100		
66	49.7	32.5	48.7#
65	27.8	17.0	25.6#



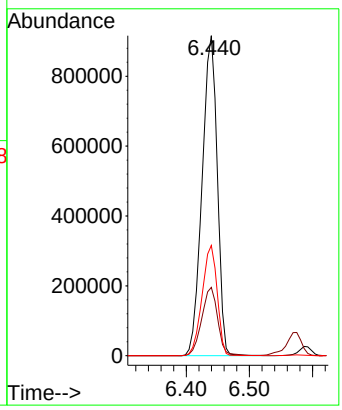


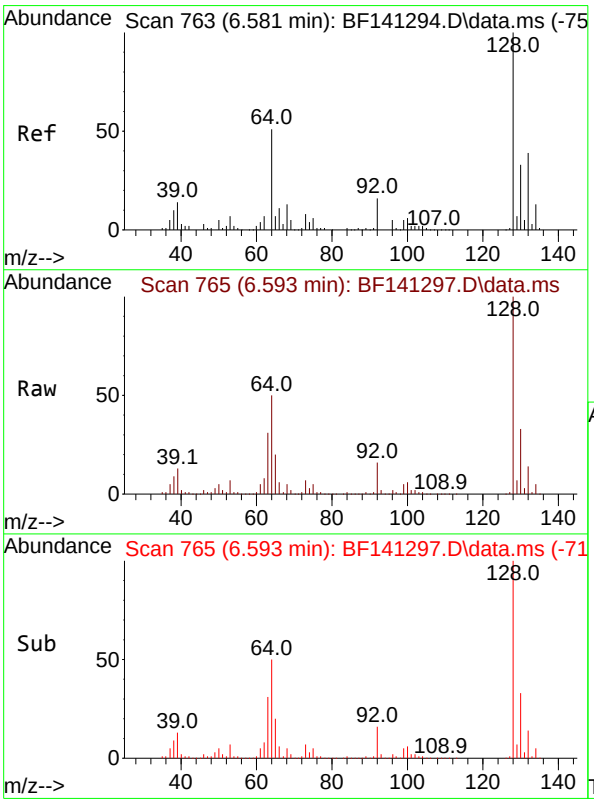
#7
Phenol-d6
Concen: 139.796 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1526343

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	34.4	26.9	40.3

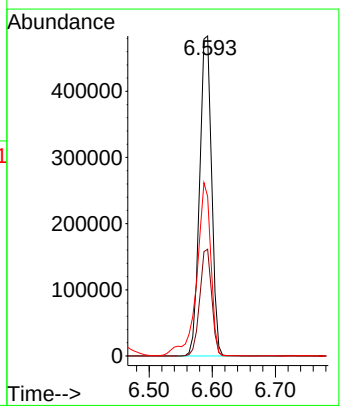


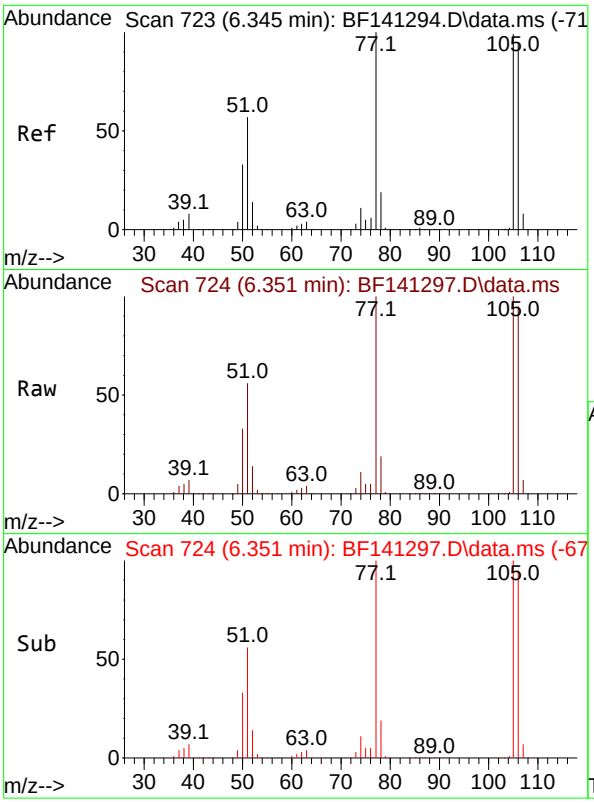


#8
2-Chlorophenol
Concen: 69.519 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:128 Resp: 639957

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	49.8	32.9	72.9



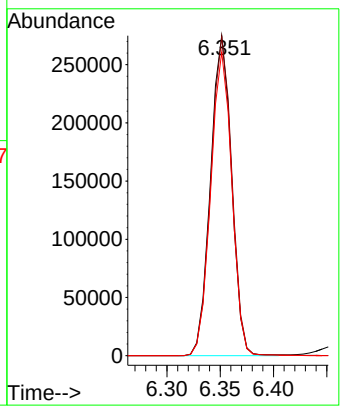


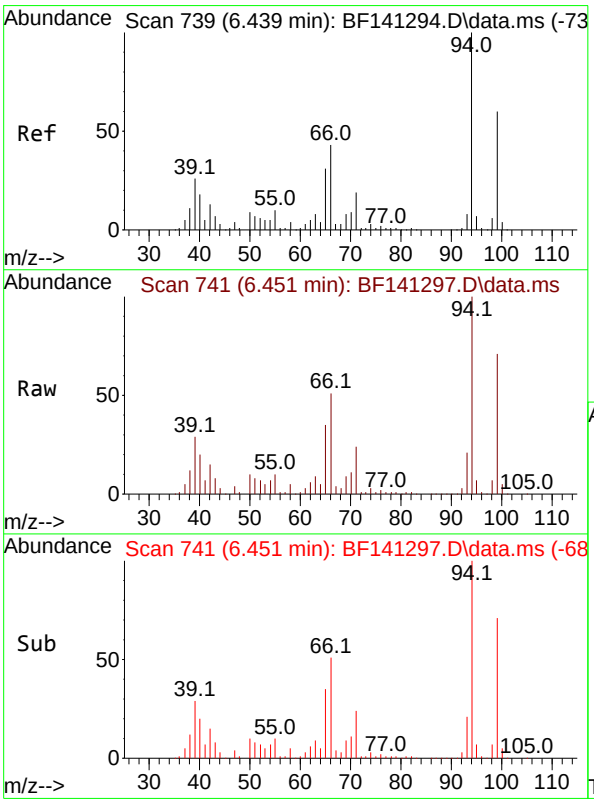
#9
Benzaldehyde
Concen: 58.226 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 376227

Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.9	74.6	114.6

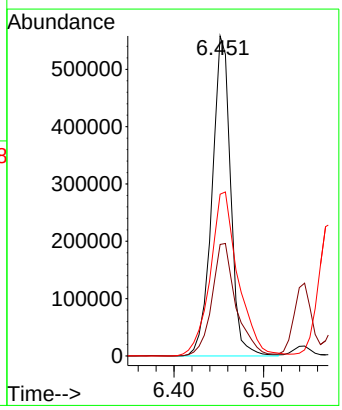


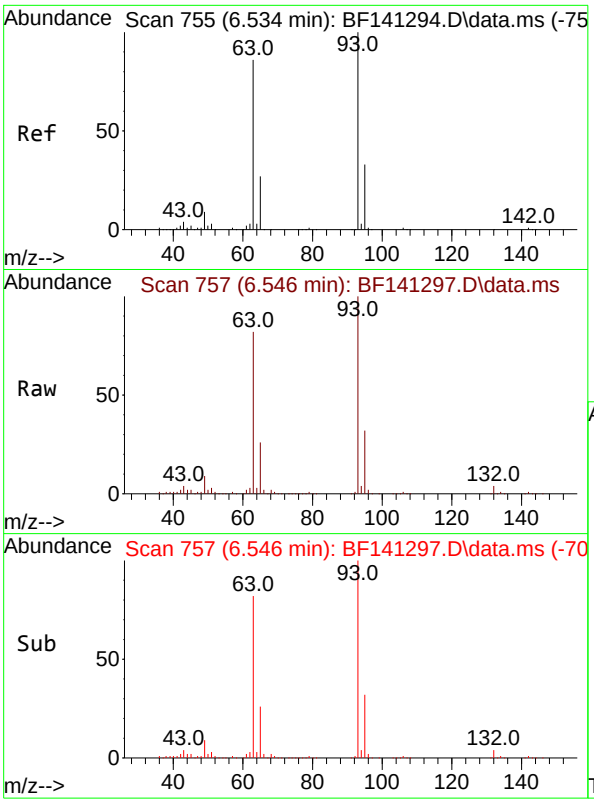


#10
Phenol
Concen: 69.411 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 94 Resp: 804078

Ion	Ratio	Lower	Upper
94	100		
65	34.9	10.8	50.8
66	50.6	23.3	63.3



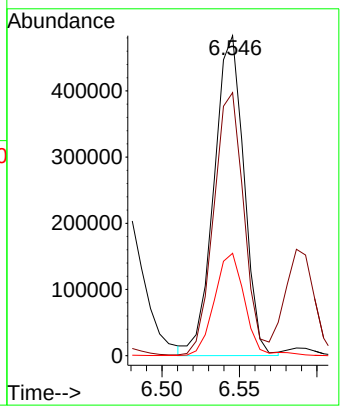


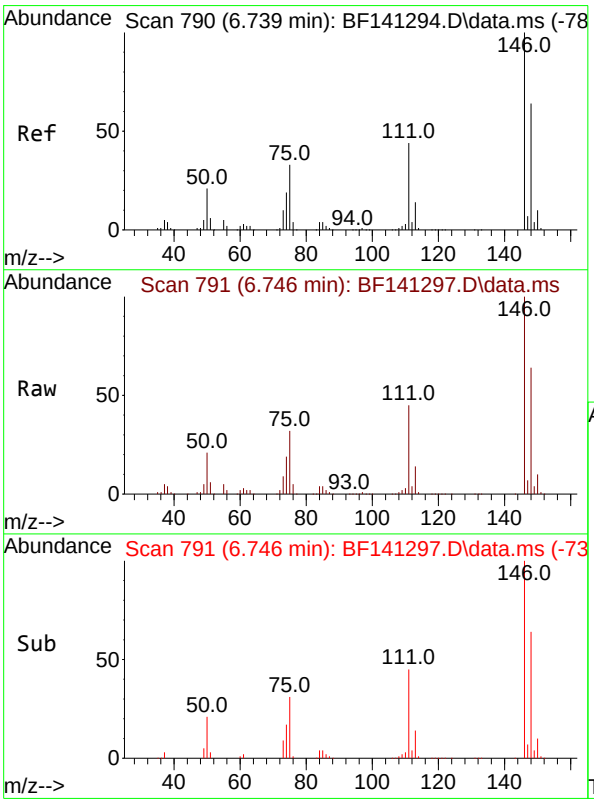
#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 648287

Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	32.0	12.4	52.4

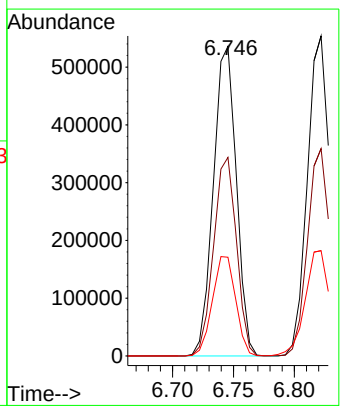


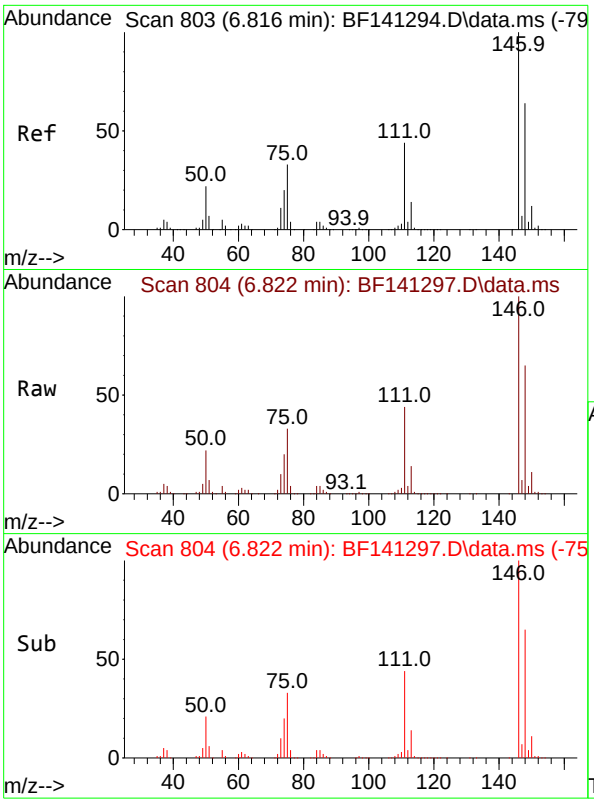


#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 704973

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	31.9	26.2	39.4



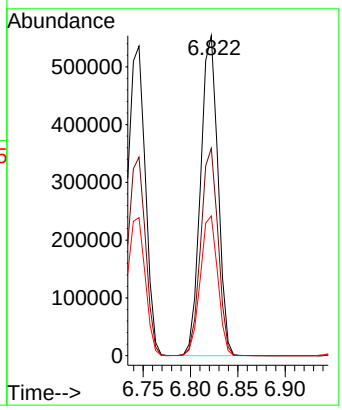


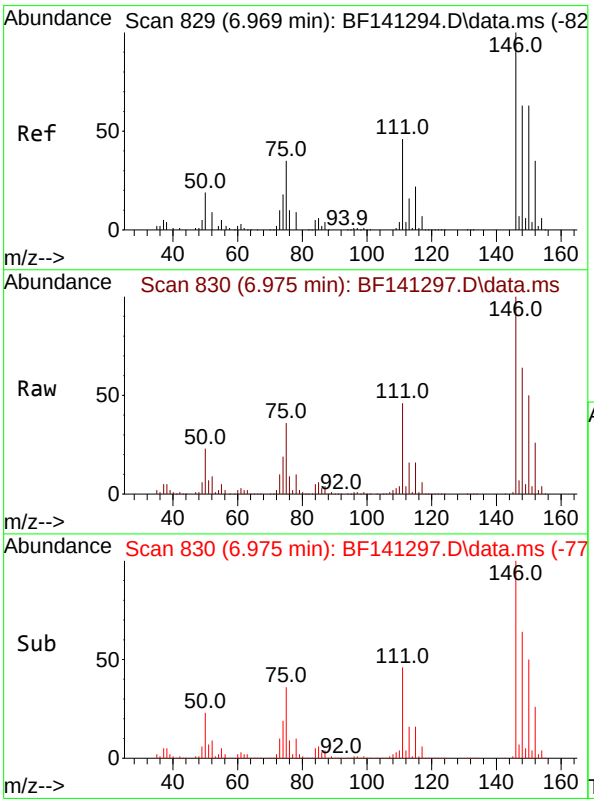
#13
1,4-Dichlorobenzene
Concen: 69.256 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 706528

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
111	43.6	35.0	52.4

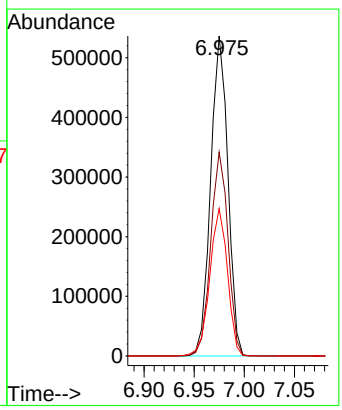


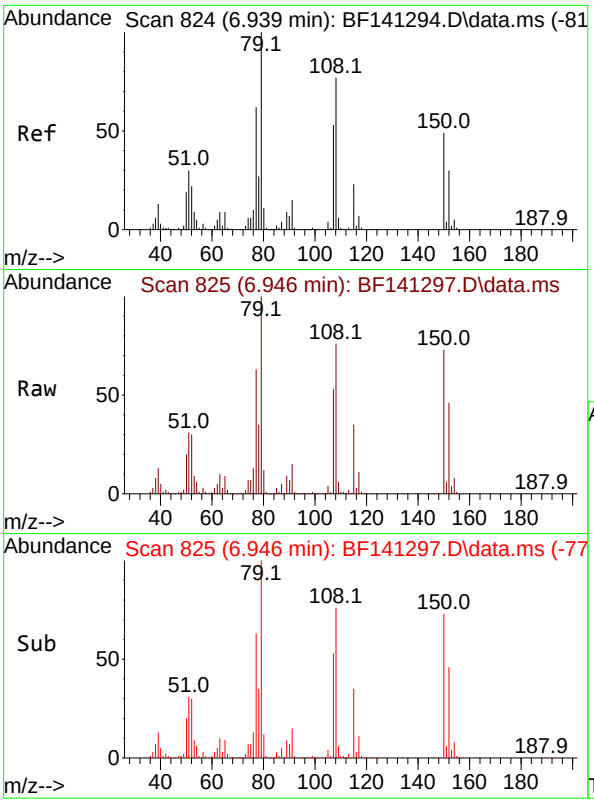


#14
1,2-Dichlorobenzene
Concen: 66.867 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 641551

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	46.1	36.6	55.0



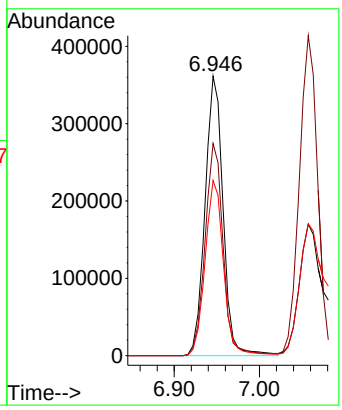


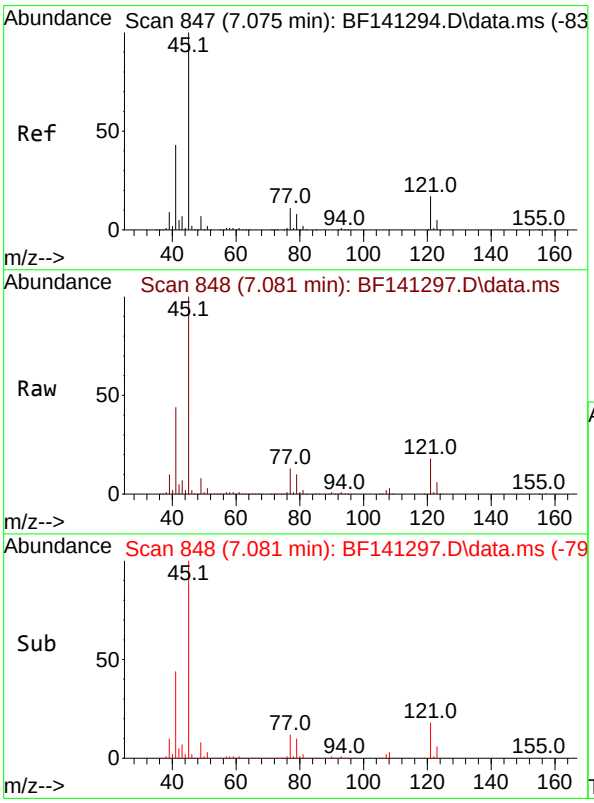
#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 532270

Ion	Ratio	Lower	Upper
79	100		
108	75.9	61.4	92.0
77	62.7	49.9	74.9

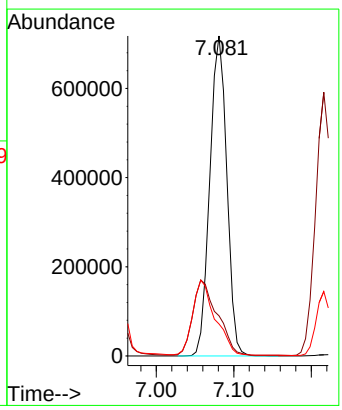


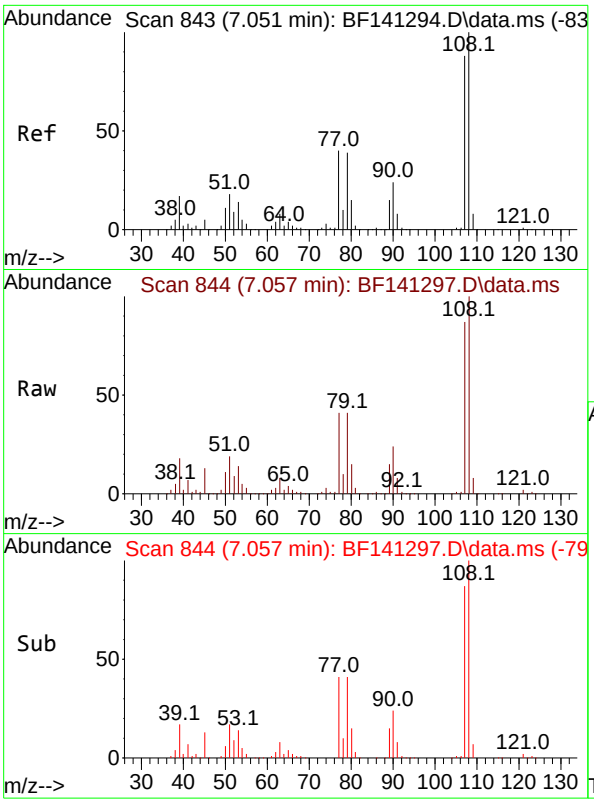


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	31.8
79	10.0	0.0	29.1



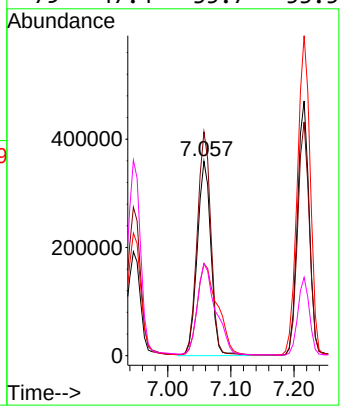


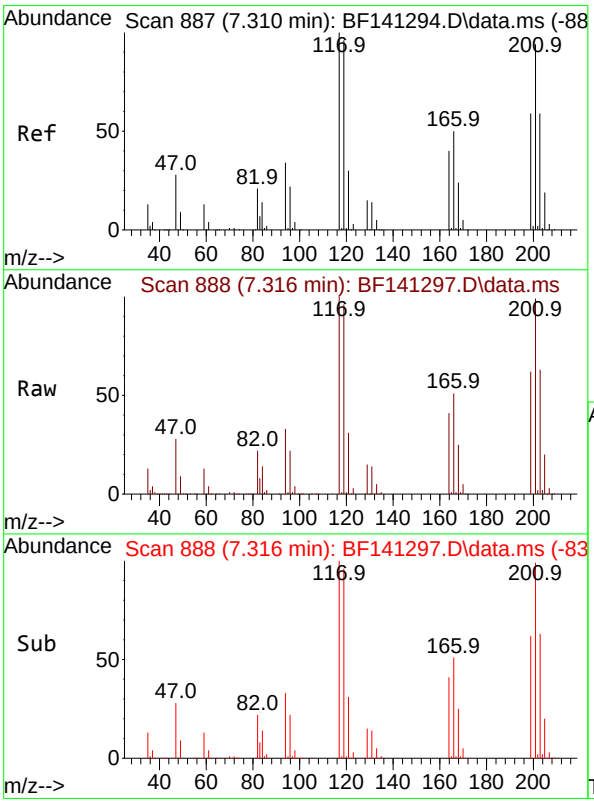
#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 545097

Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.8	136.2
77	47.5	36.2	54.4
79	47.4	35.7	53.5

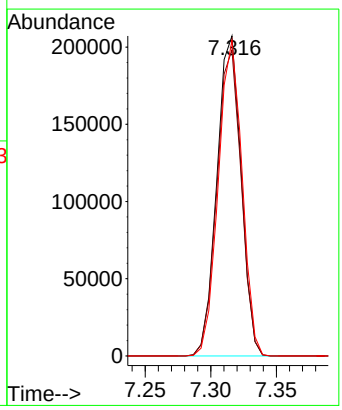


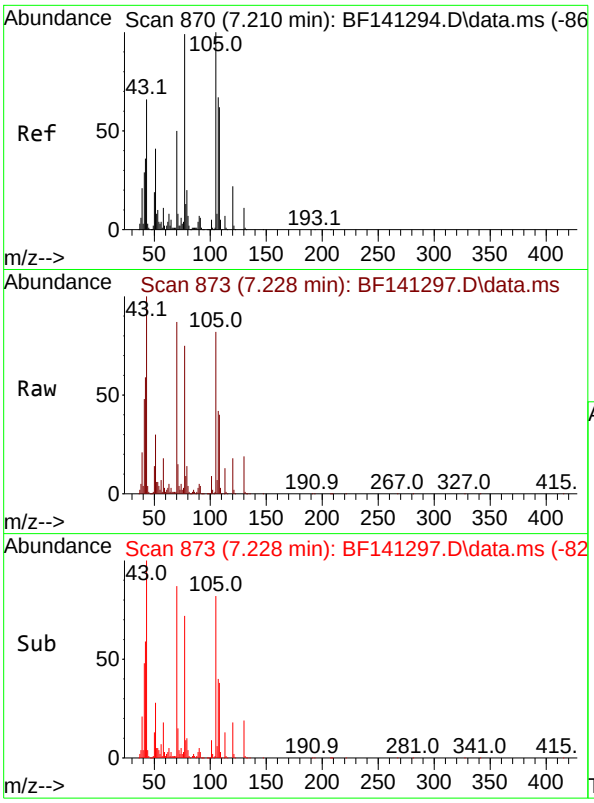


#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	98.6	74.8	112.2



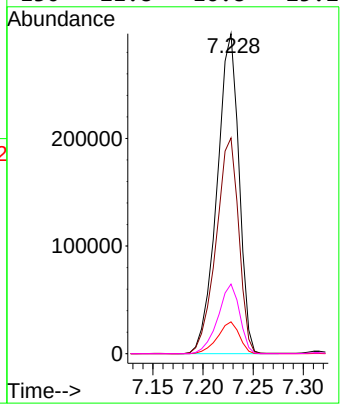


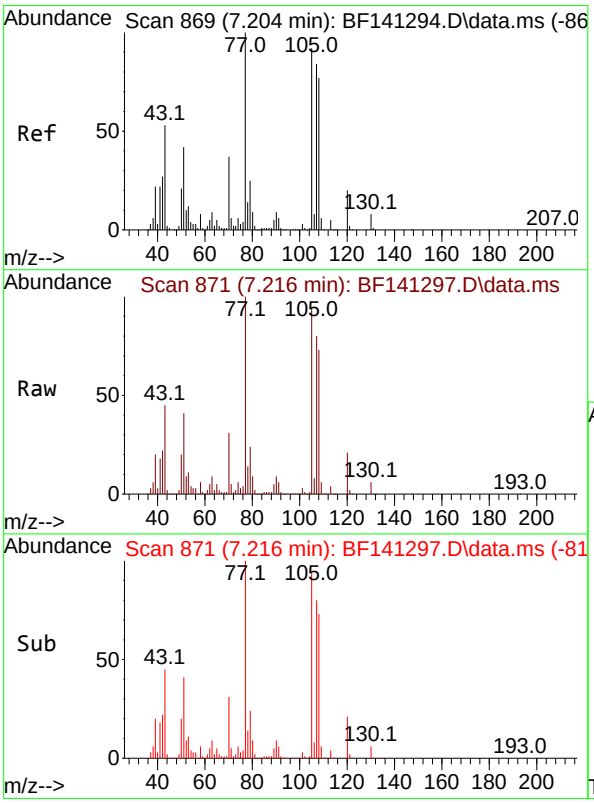
#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 452303

Ion	Ratio	Lower	Upper
70	100		
42	67.4	56.8	85.2
101	9.9	7.7	11.5
130	21.8	16.8	25.2

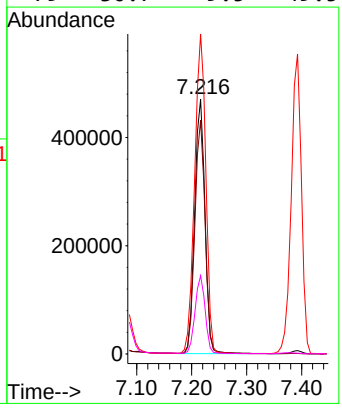


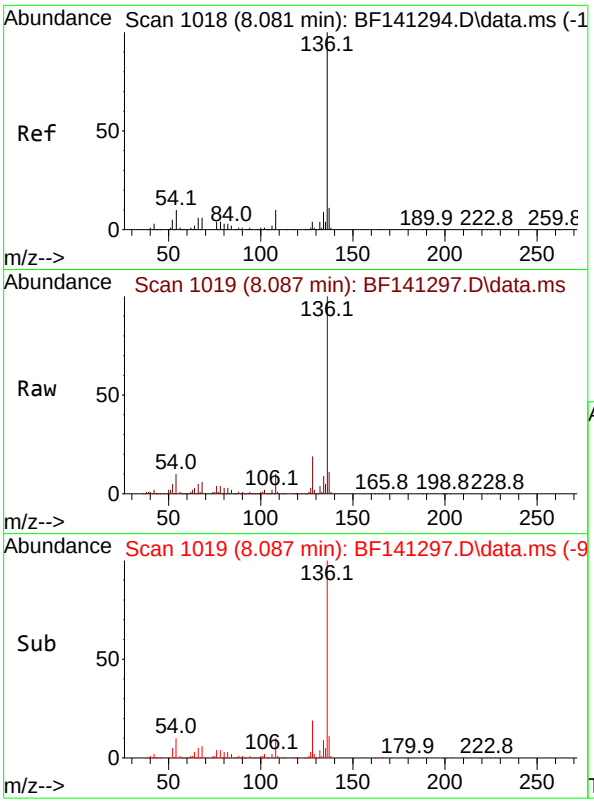


#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 613997

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.9	110.9
77	125.6	98.5	138.5
79	30.7	9.5	49.5



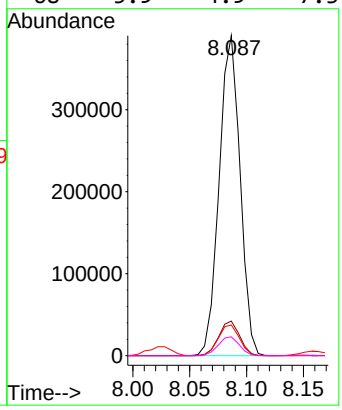


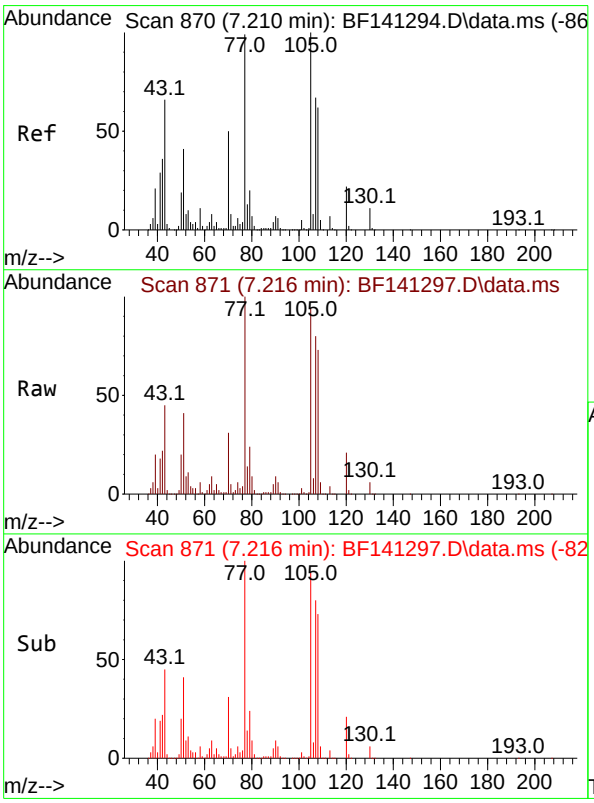
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 500219

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.6	7.8	11.8
68	5.9	4.9	7.3

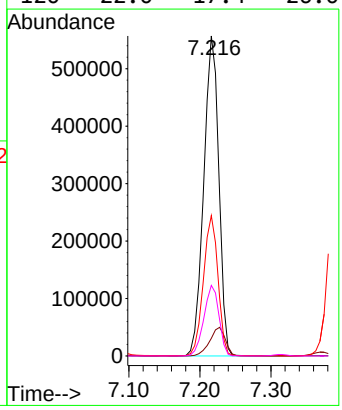


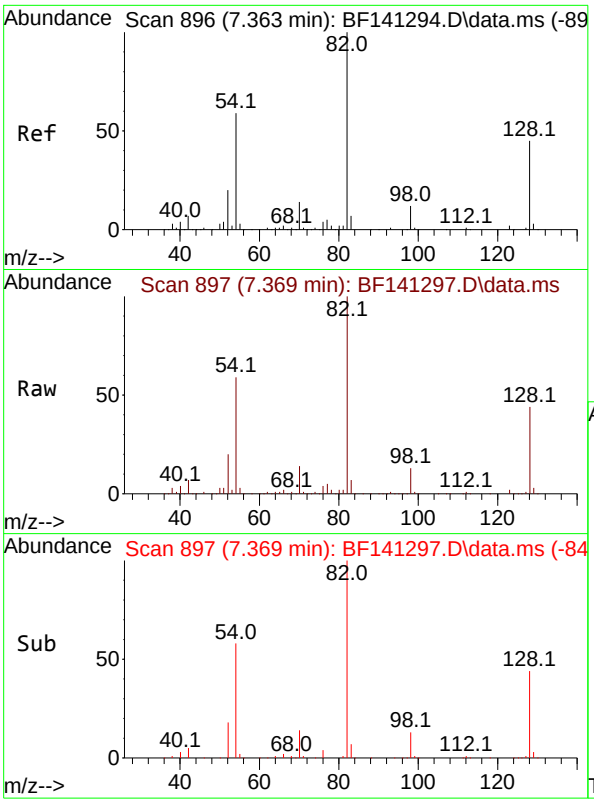


#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220

Ion	Ratio	Lower	Upper
105	100		
71	5.5	6.8	10.2#
51	43.9	32.6	49.0
120	22.0	17.4	26.0



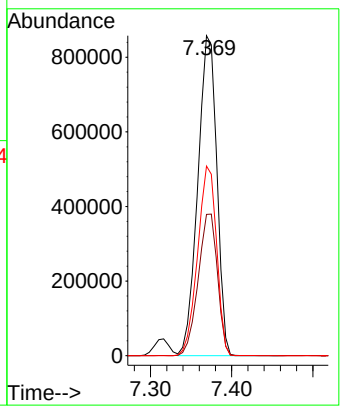


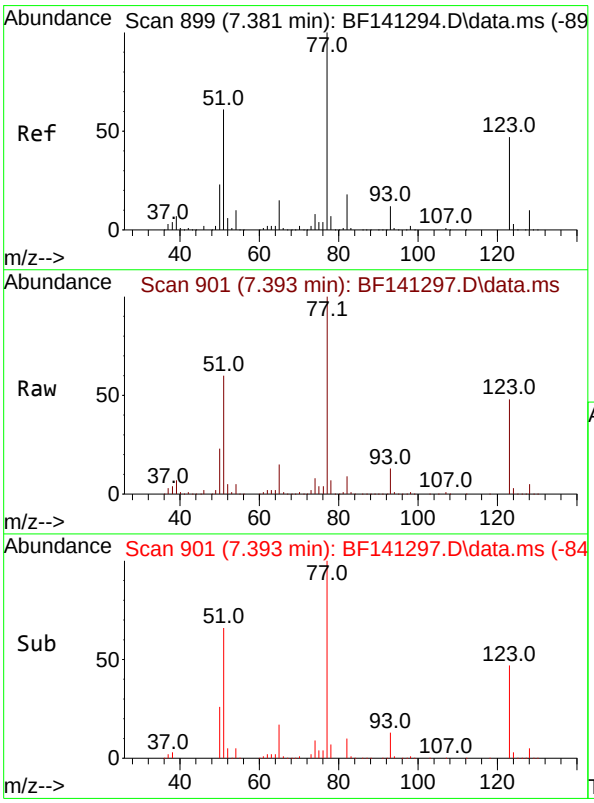
#23
Nitrobenzene-d5
Concen: 145.214 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7

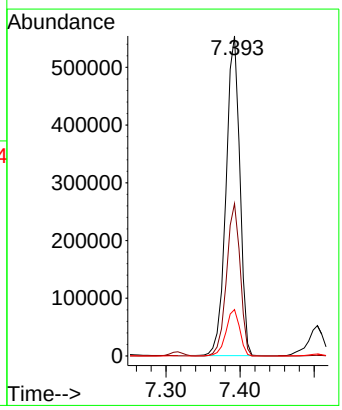


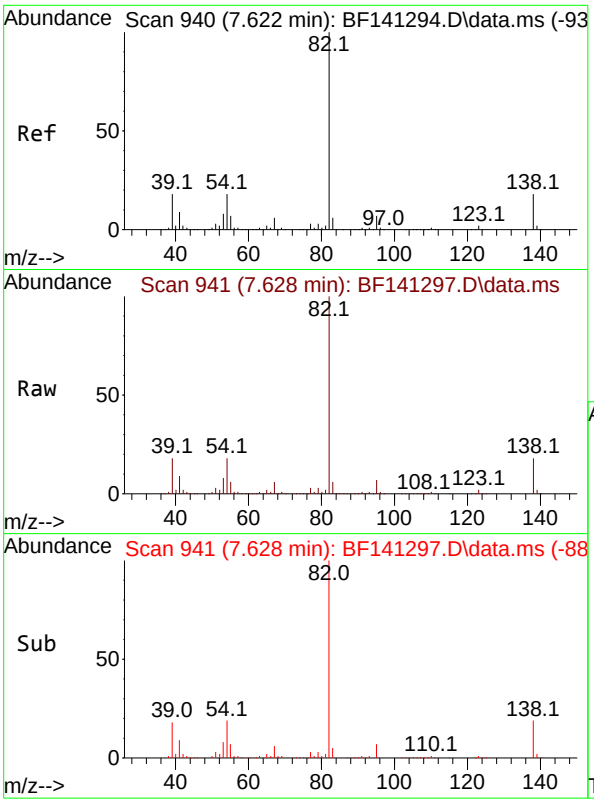


#24
Nitrobenzene
Concen: 71.762 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6



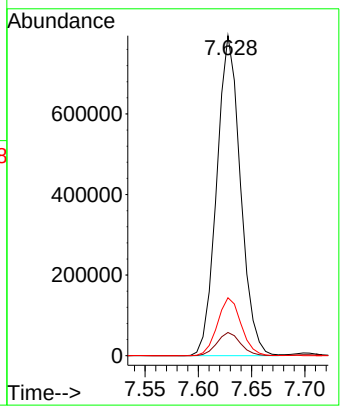


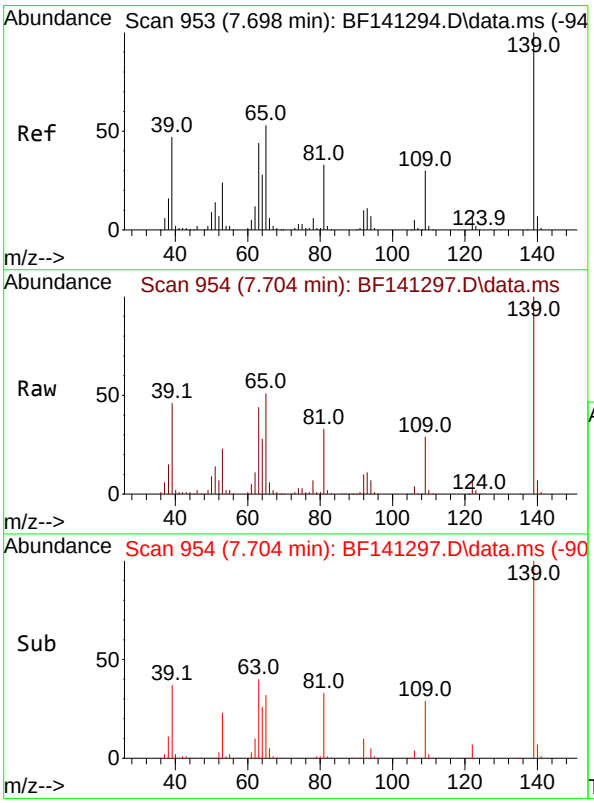
#25
Isophorone
Concen: 74.193 ng
RT: 7.628 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1229697

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.1	14.7	22.1

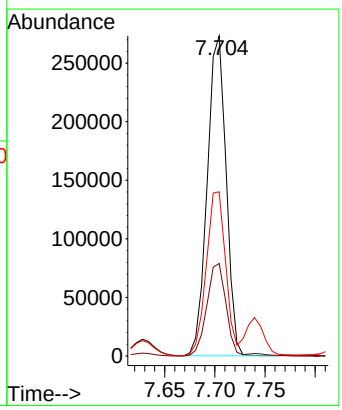


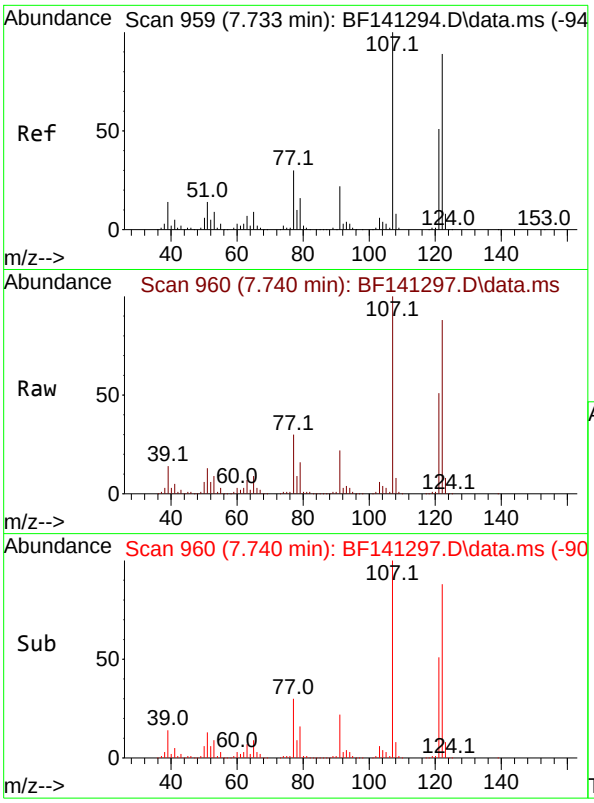


#26
2-Nitrophenol
Concen: 76.912 ng
RT: 7.704 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 358664

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.3	42.2	63.4



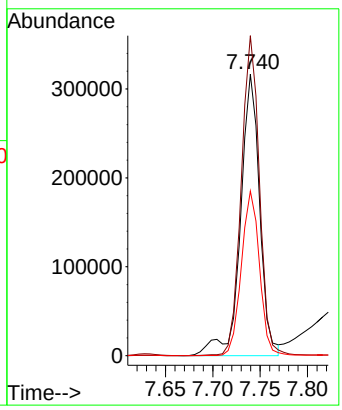


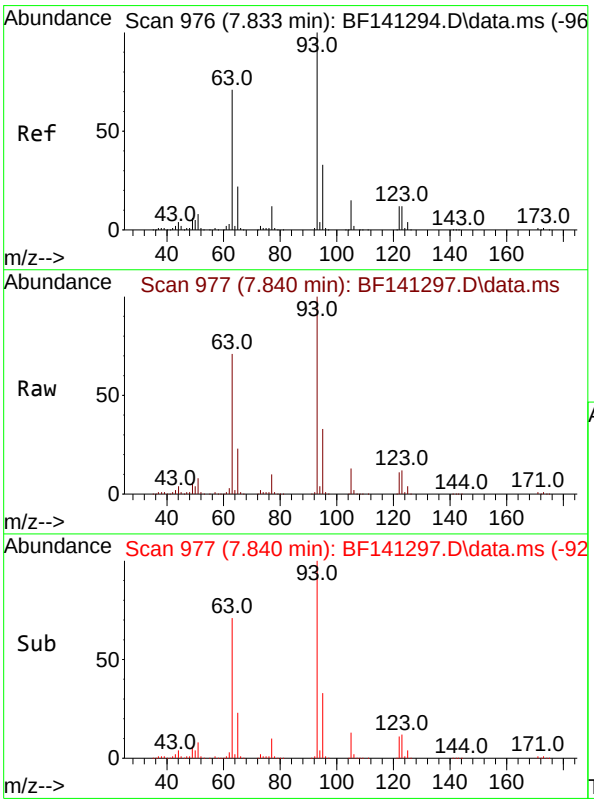
#27
2,4-Dimethylphenol
Concen: 74.779 ng
RT: 7.740 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 445560

Ion	Ratio	Lower	Upper
122	100		
107	113.7	89.9	134.9
121	58.5	46.1	69.1

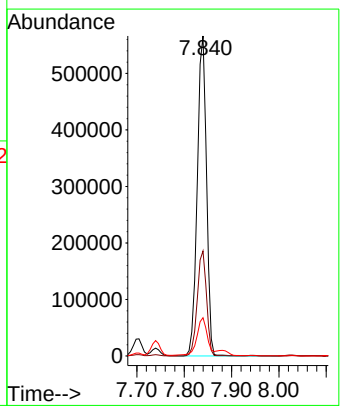


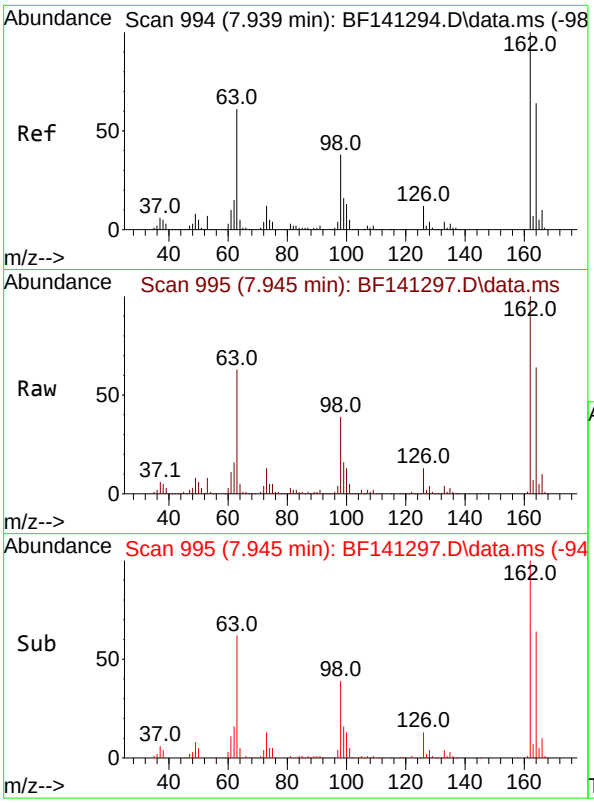


#28
bis(2-Chloroethoxy)methane
Concen: 72.405 ng
RT: 7.840 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 767960

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	12.0	10.2	15.4



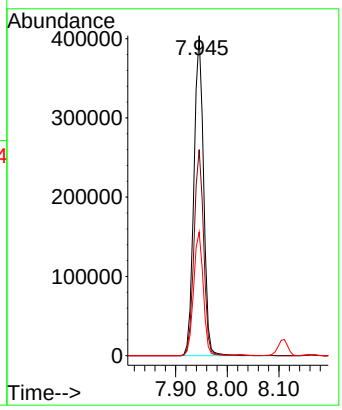


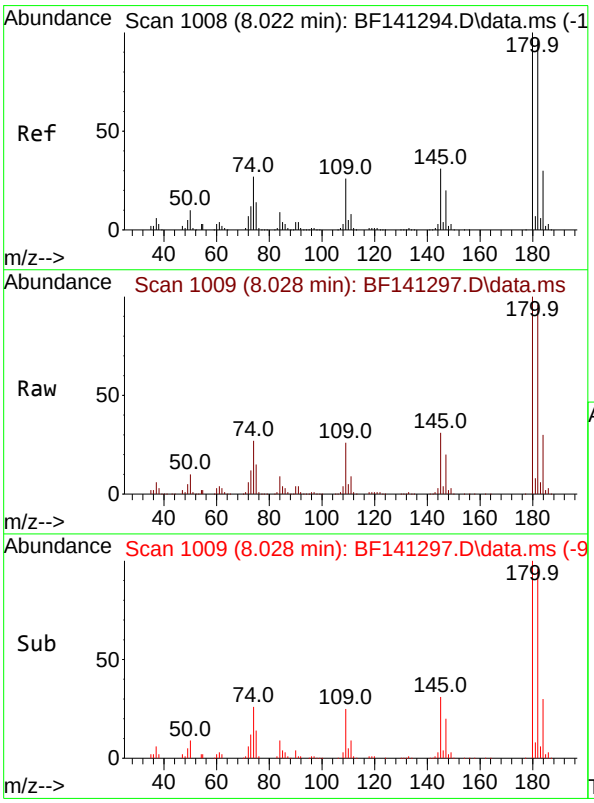
#29
2,4-Dichlorophenol
Concen: 71.573 ng
RT: 7.945 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 525117

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.6	18.2	58.2

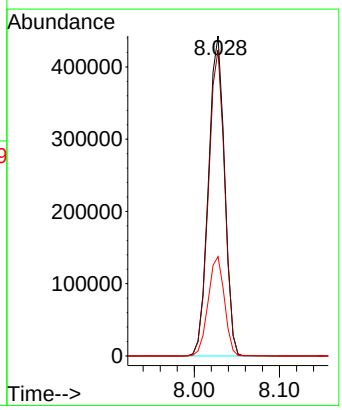


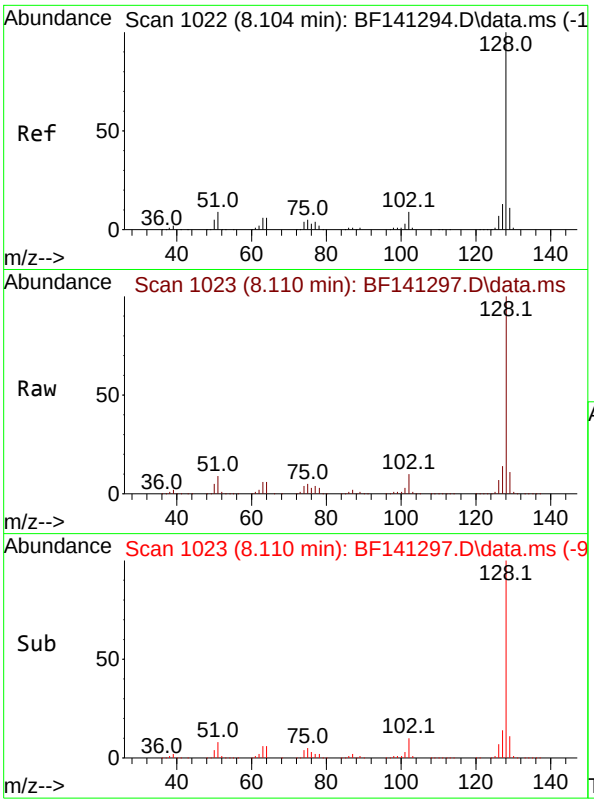


#30
1,2,4-Trichlorobenzene
Concen: 69.437 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:180 Resp: 584061

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.0	24.9	37.3



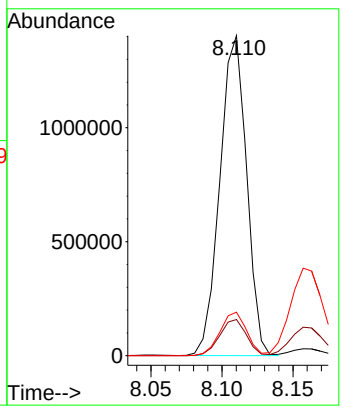


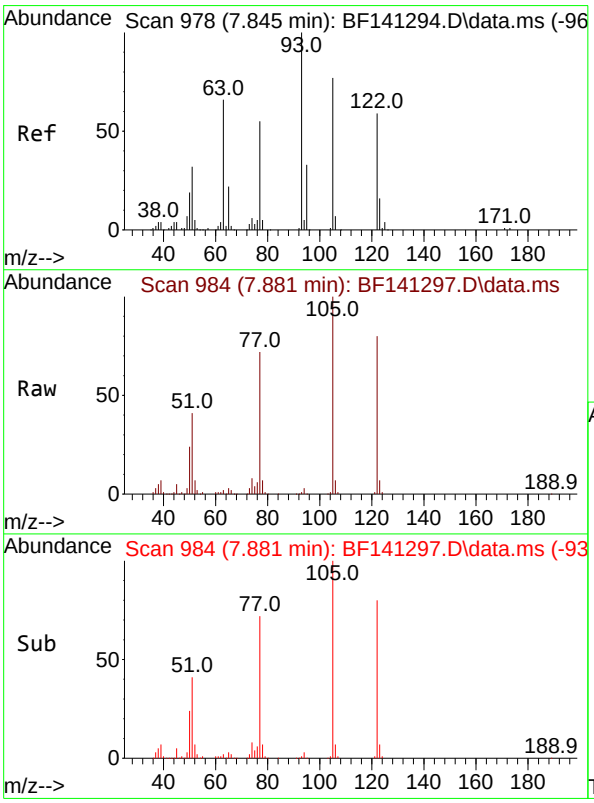
#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1838789

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

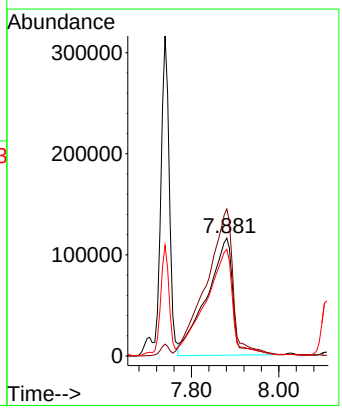


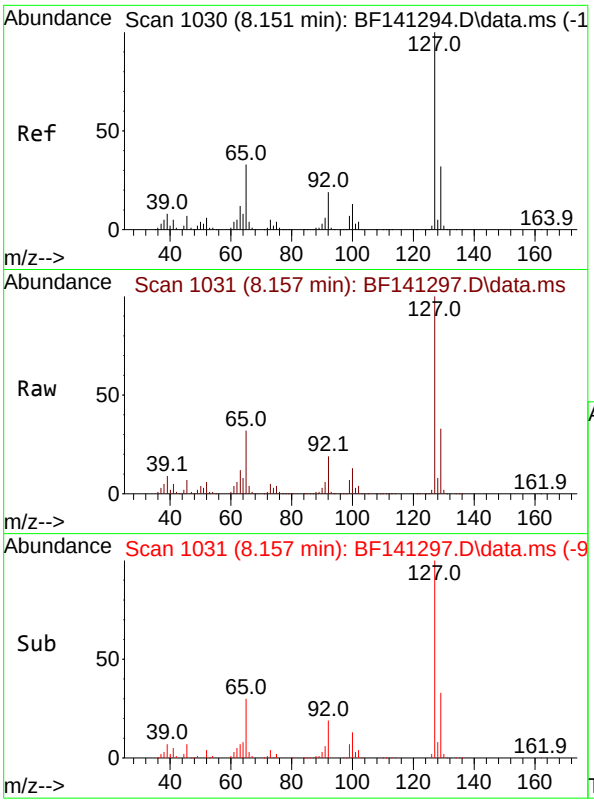


#32
Benzoic acid
Concen: 91.066 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:122 Resp: 484583

Ion	Ratio	Lower	Upper
122	100		
105	124.8	103.4	143.4
77	90.5	70.9	110.9



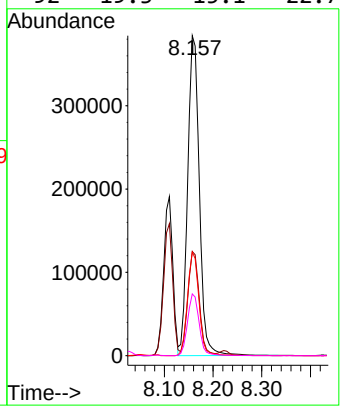


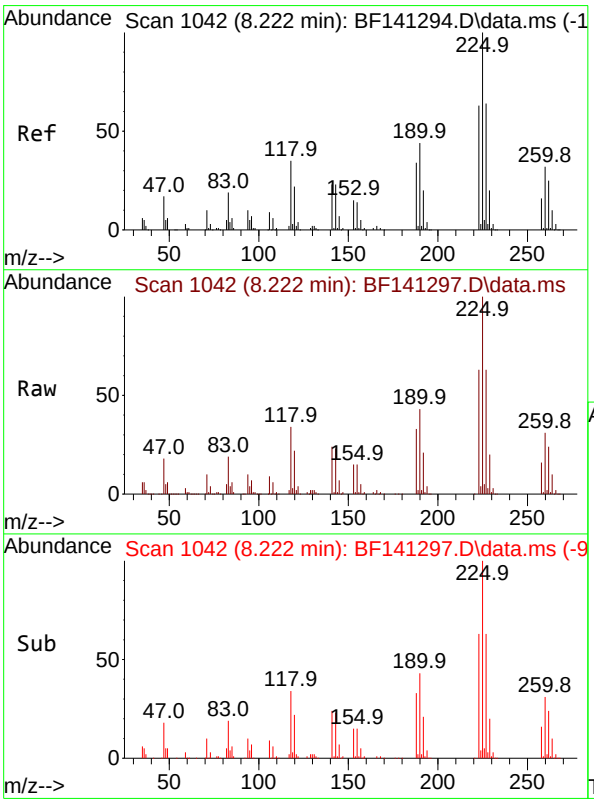
#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 636568

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	32.4	26.4	39.6
92	19.3	15.1	22.7

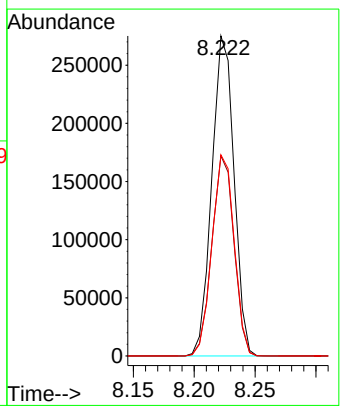


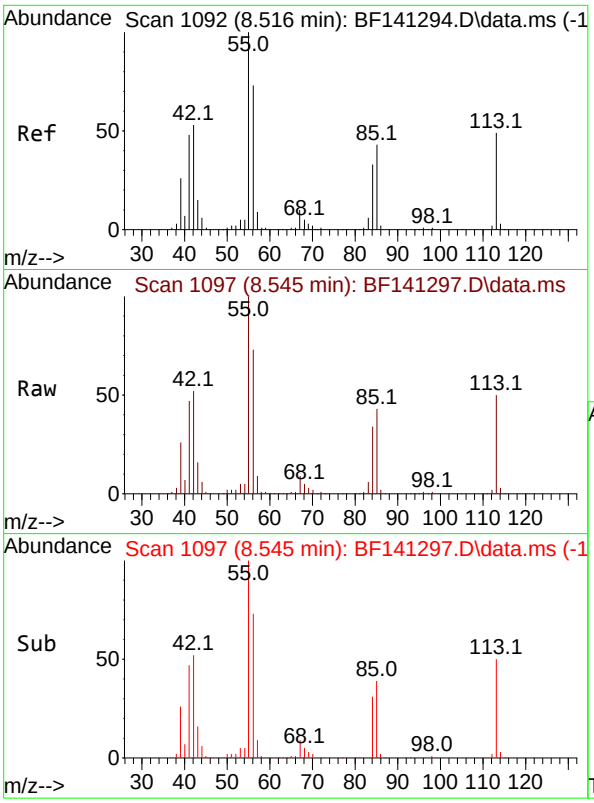


#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225 Resp: 348822

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	62.9	51.3	76.9



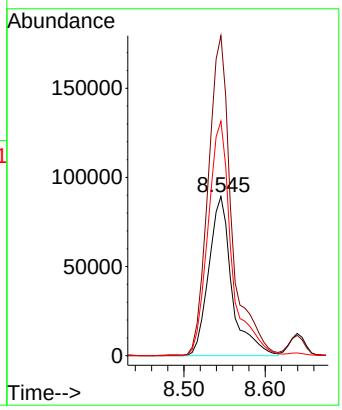


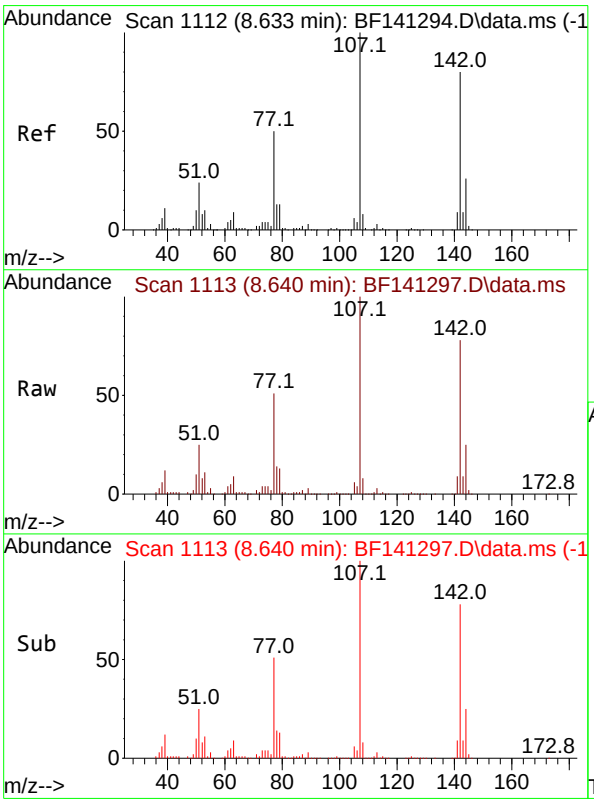
#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 177093

Ion	Ratio	Lower	Upper
113	100		
55	201.0	182.9	222.9
56	147.3	127.9	167.9

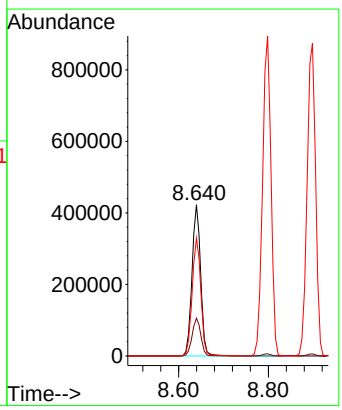


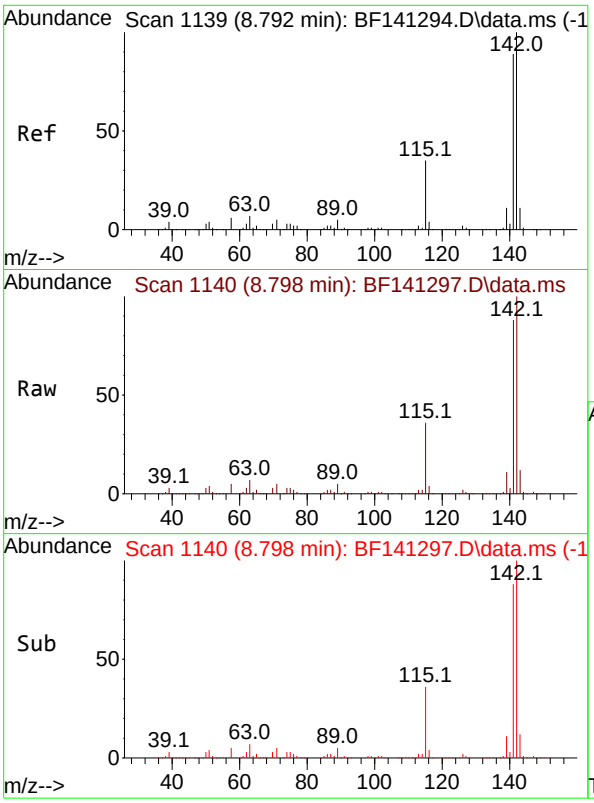


#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.7	31.1
142	77.9	63.8	95.8



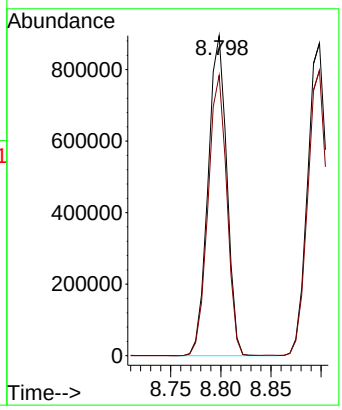


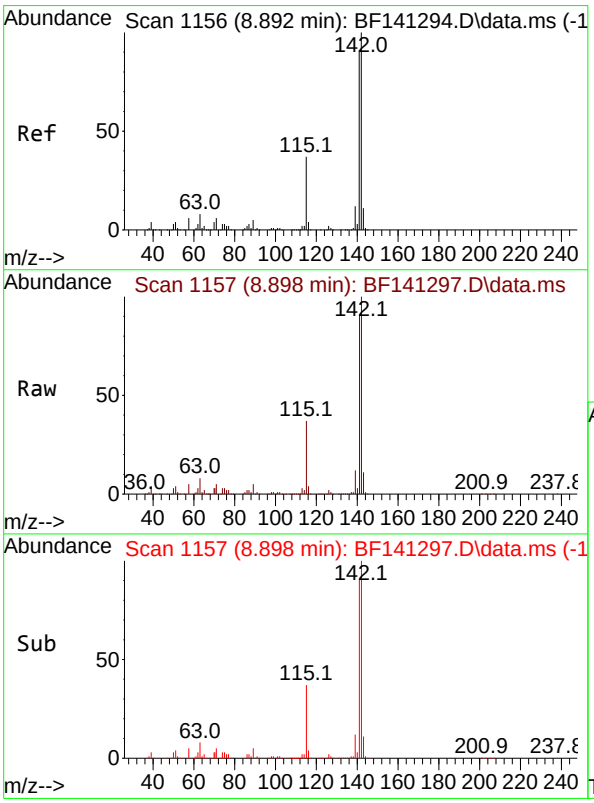
#37
2-Methylnaphthalene
Concen: 67.926 ng
RT: 8.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9

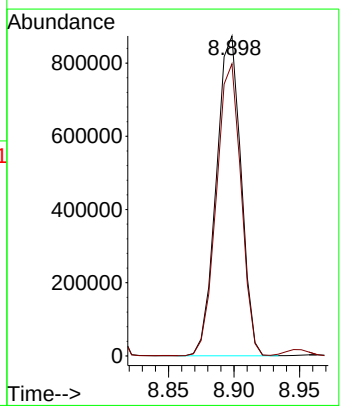


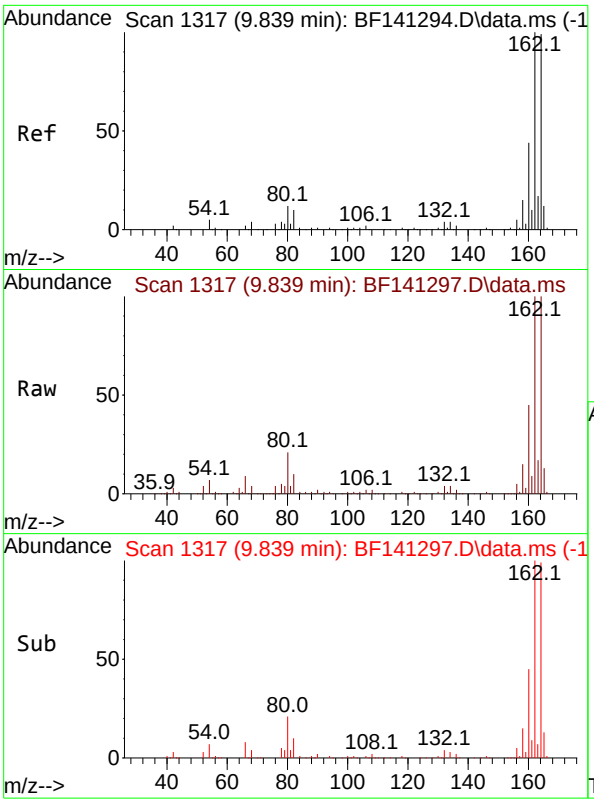


#38
1-Methylnaphthalene
Concen: 67.988 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:142 Resp: 1146275

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8



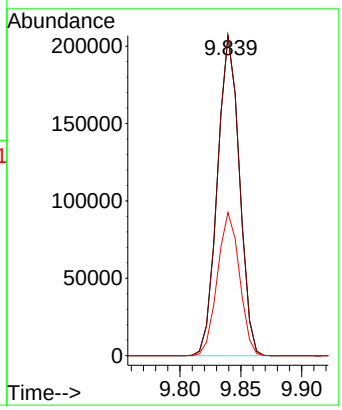


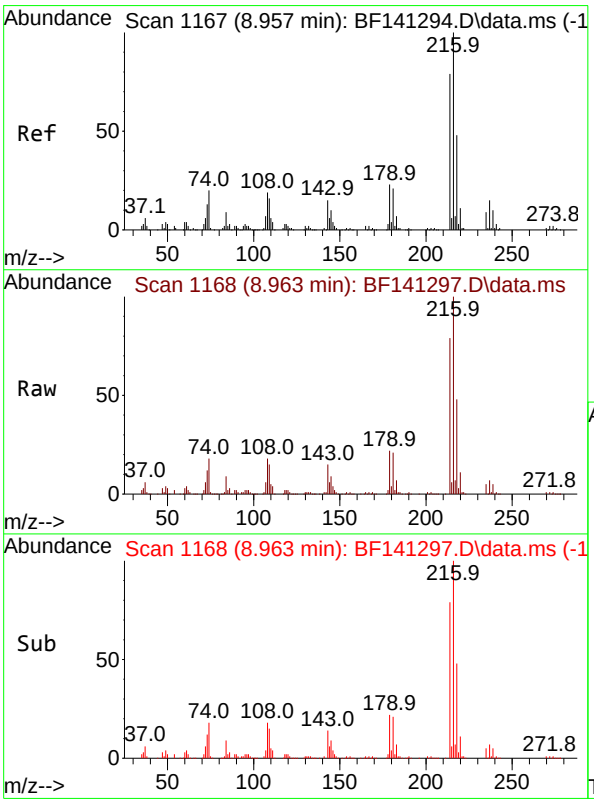
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 259556

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	121.0
160	44.8	35.8	53.6

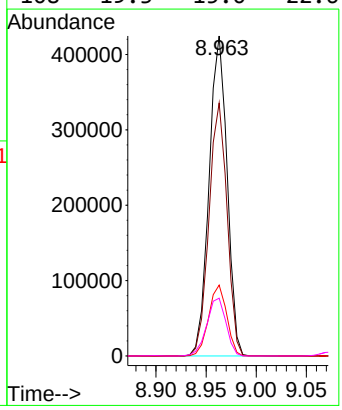


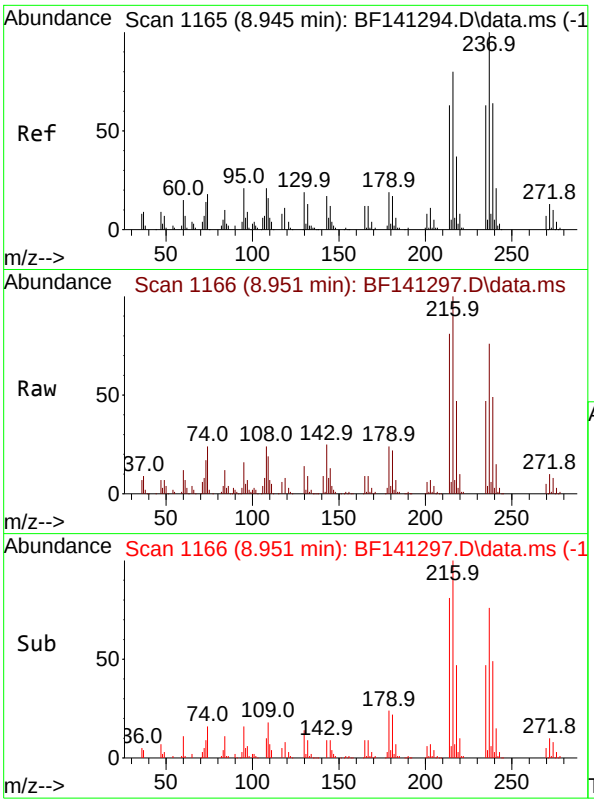


#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.756 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.3	17.8	26.8
108	19.3	15.0	22.6



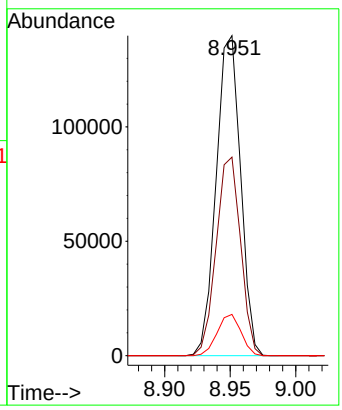


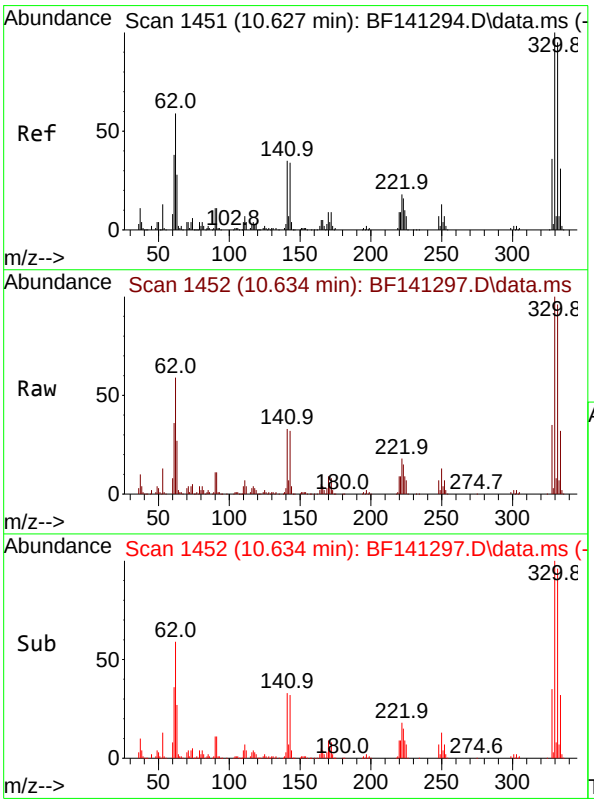
#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 180658

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.9	82.9
272	12.9	0.0	32.8

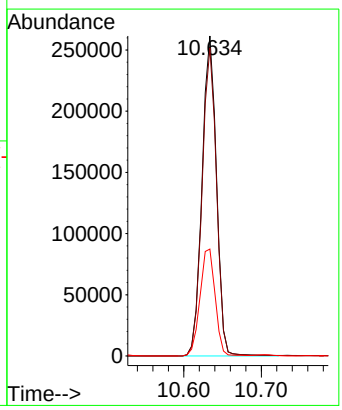


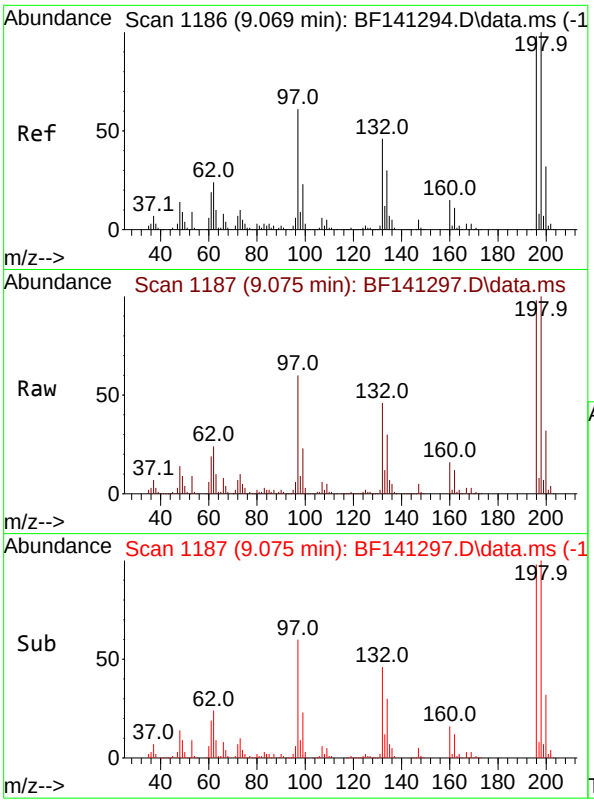


#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	35.3	28.8	43.2



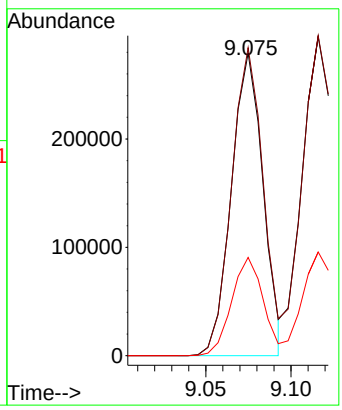


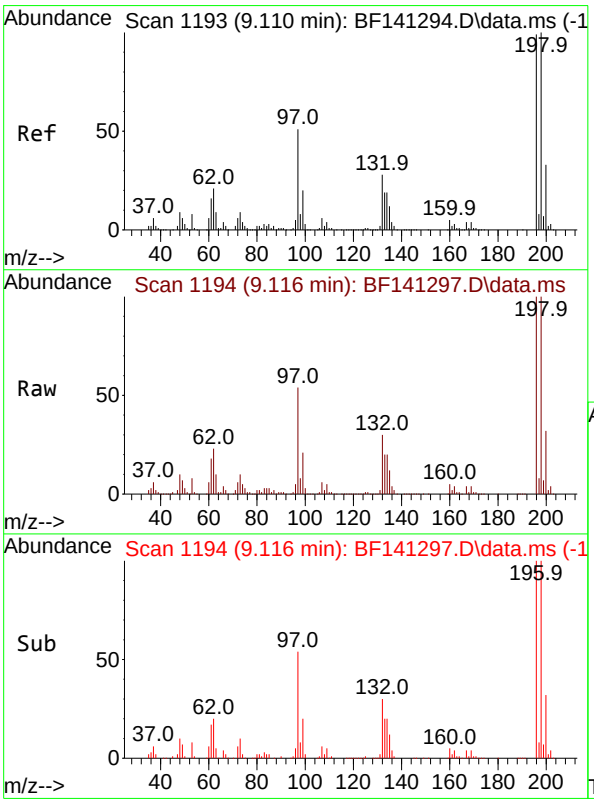
#43
2,4,6-Trichlorophenol
Concen: 73.727 ng
RT: 9.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 360370

Ion	Ratio	Lower	Upper
196	100		
198	101.8	81.8	122.6
200	32.5	26.3	39.5

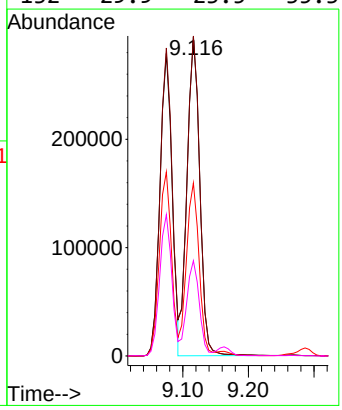


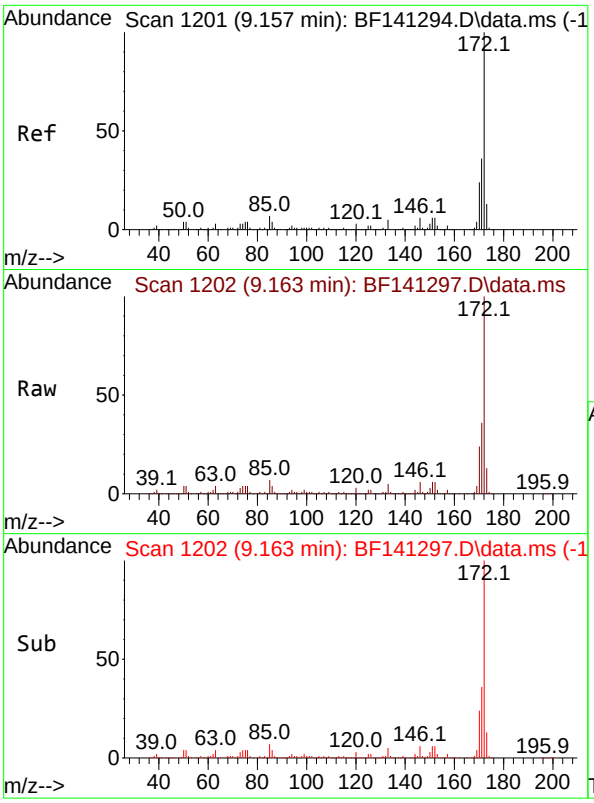


#44
2,4,5-Trichlorophenol
Concen: 74.958 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.5	120.7
97	54.2	42.8	64.2
132	29.9	23.5	35.3



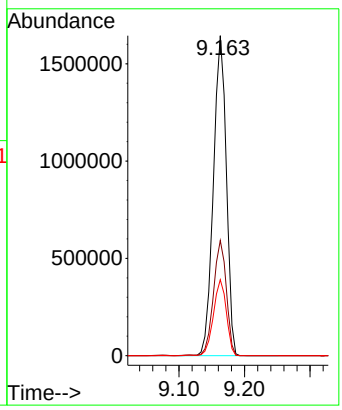


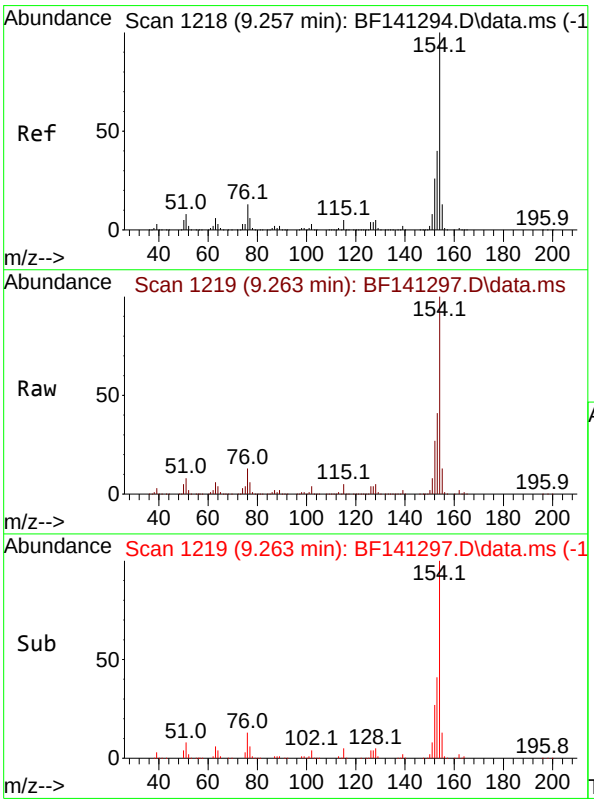
#45
2-Fluorobiphenyl
Concen: 129.739 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2248567

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.7	19.0	28.6

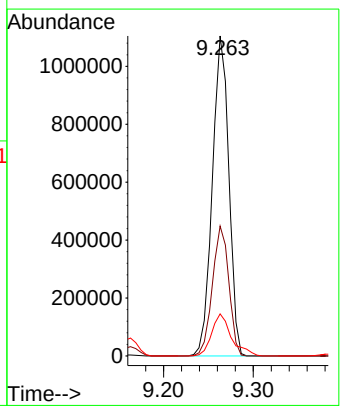


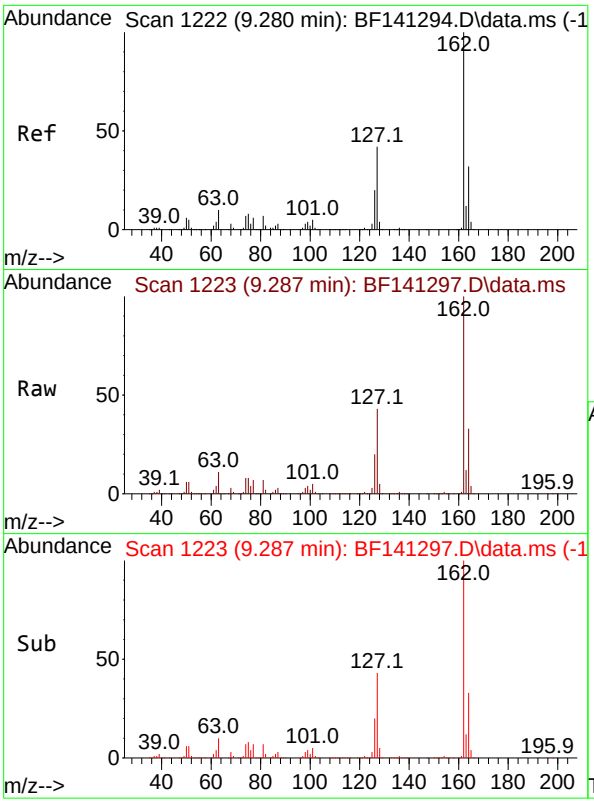


#46
1,1'-Biphenyl
Concen: 68.298 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1412015

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8



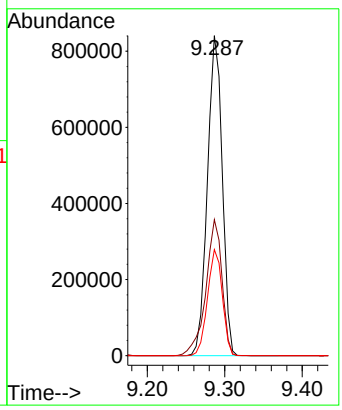


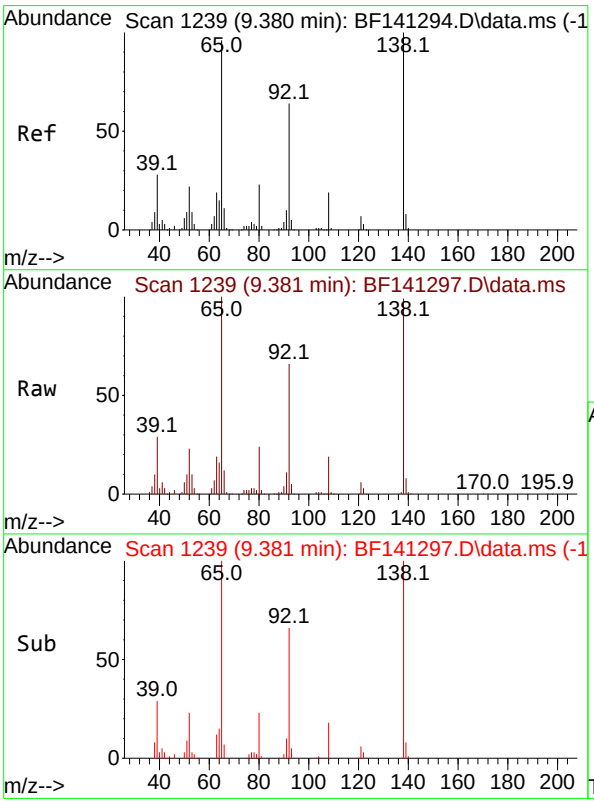
#47
2-Chloronaphthalene
Concen: 69.578 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1118593

Ion	Ratio	Lower	Upper
162	100		
127	42.5	33.7	50.5
164	33.1	25.9	38.9

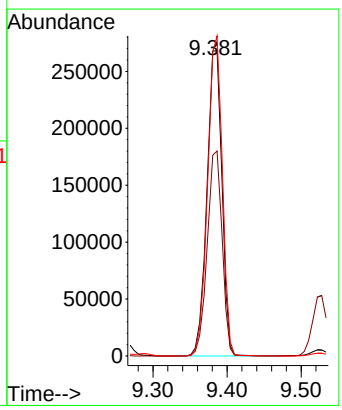


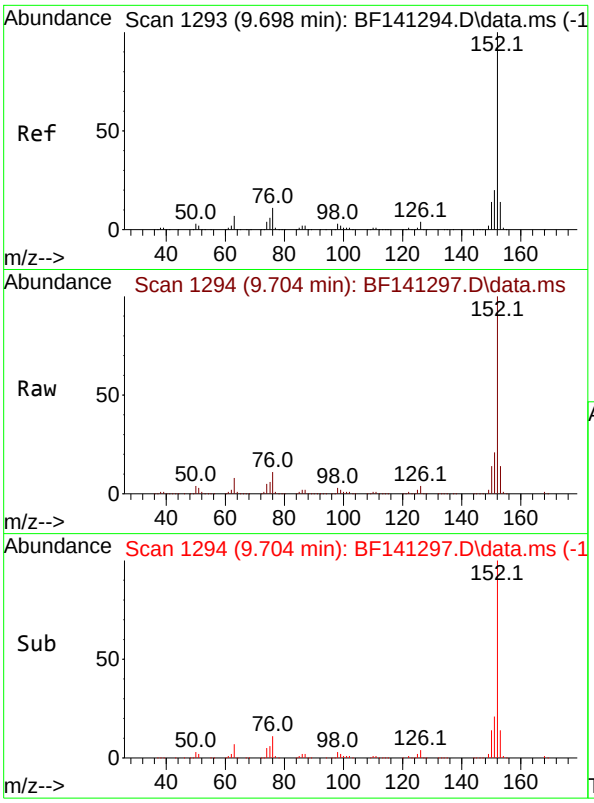


#48
2-Nitroaniline
Concen: 75.652 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 65 Resp: 378379

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.3	79.9
138	99.5	83.6	125.4



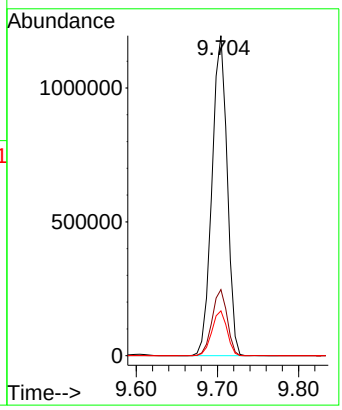


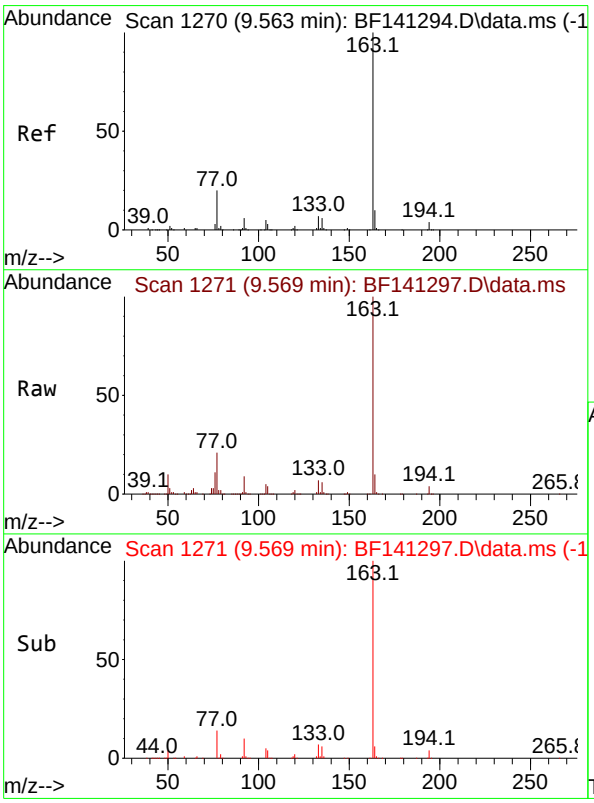
#49
Acenaphthylene
Concen: 68.901 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1552508

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.2
153	14.0	11.0	16.6

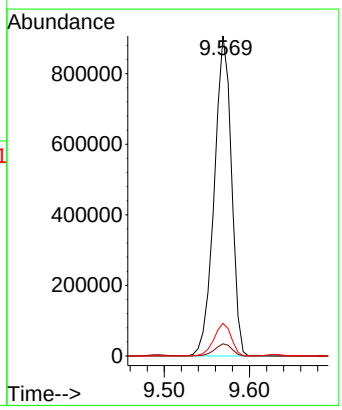


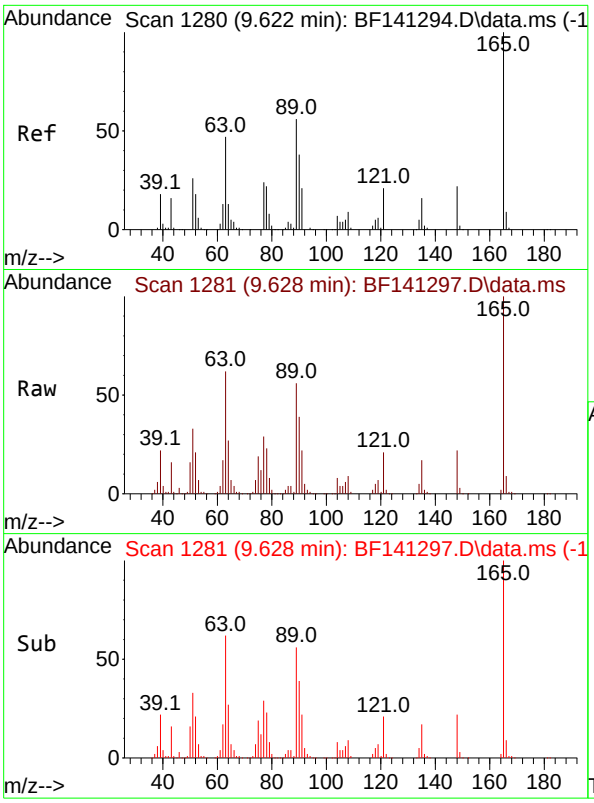


#50
Dimethylphthalate
Concen: 71.308 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:163 Resp: 1269770

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0



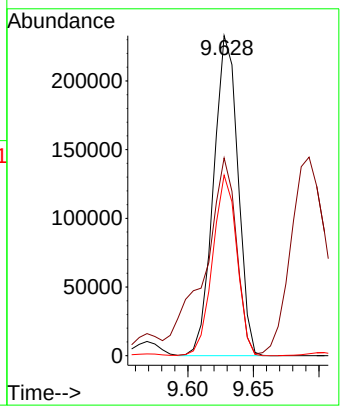


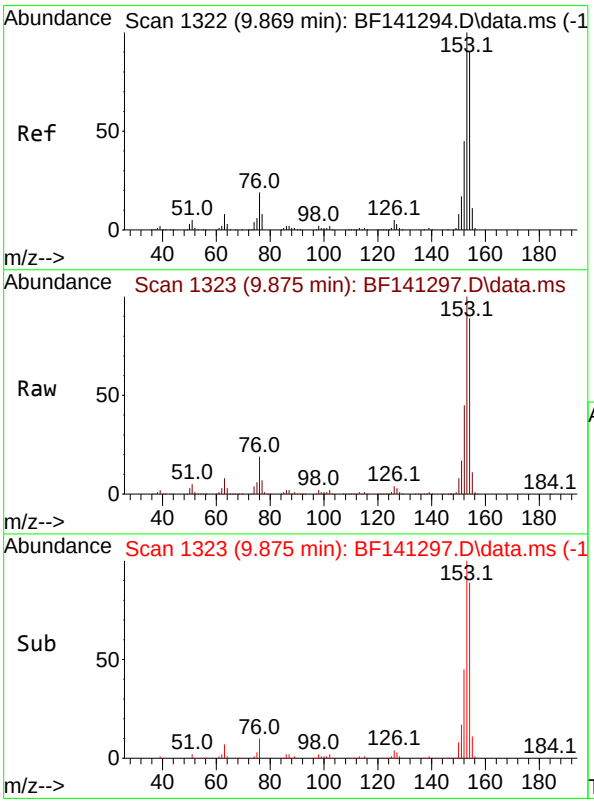
#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 300867

Ion	Ratio	Lower	Upper
165	100		
63	61.8	48.1	72.1
89	56.4	44.9	67.3

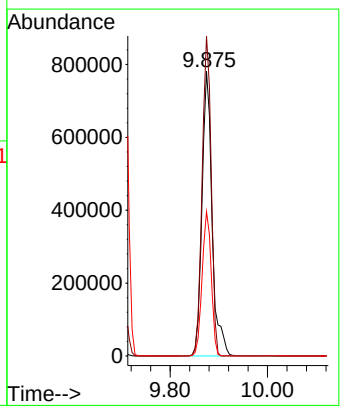


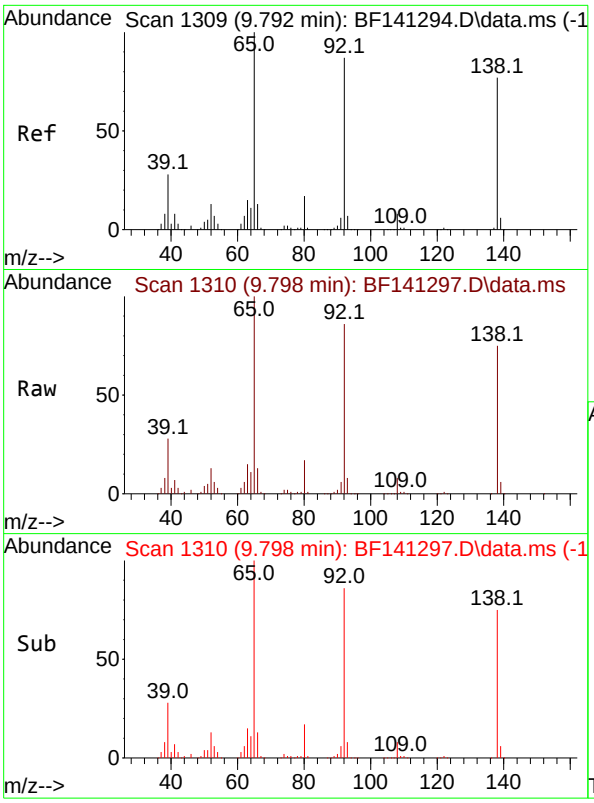


#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.0	133.4
152	50.7	40.2	60.4



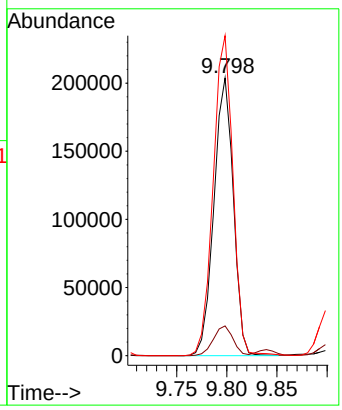


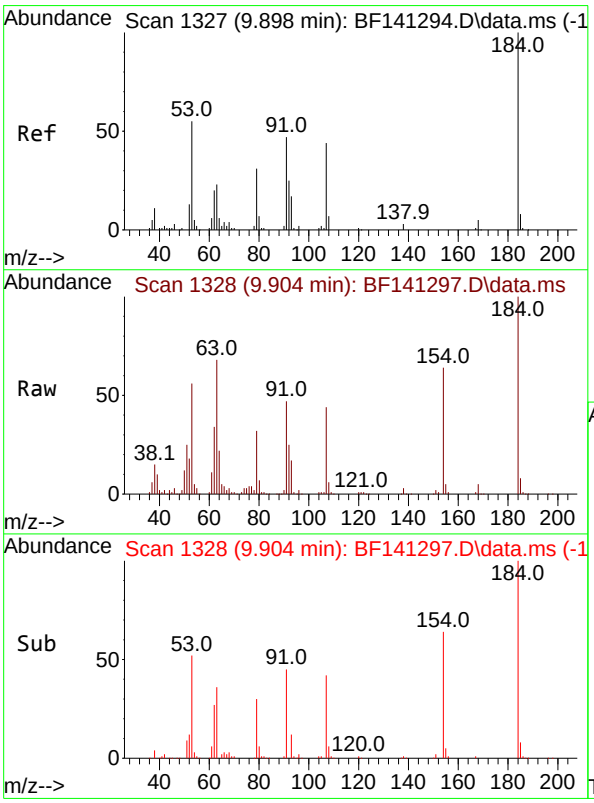
#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 274410

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.2	91.0	136.6

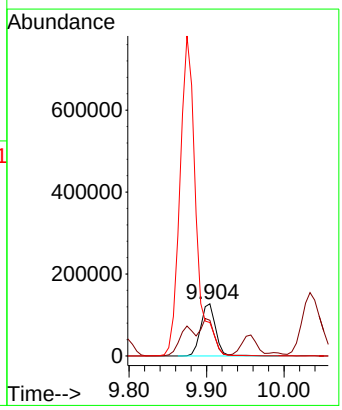


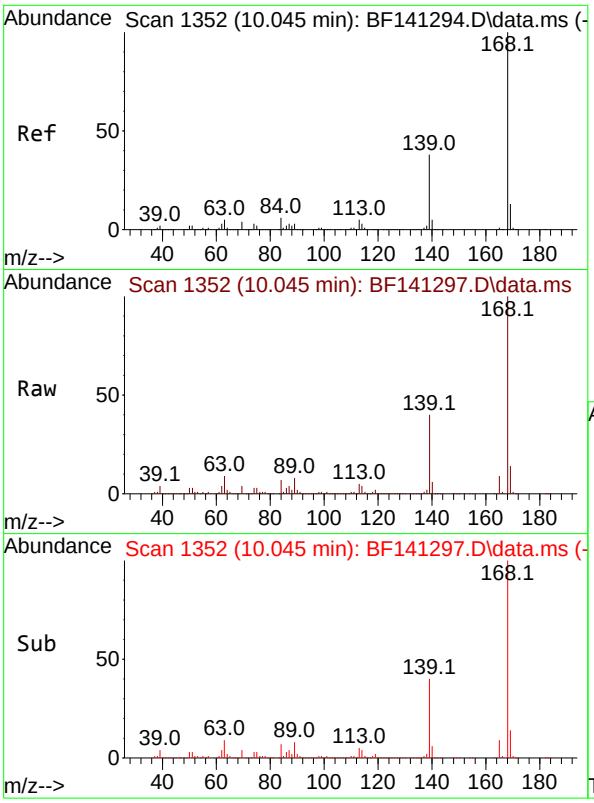


#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946

Ion	Ratio	Lower	Upper
184	100		
63	68.3	54.1	81.1
154	64.0	50.7	76.1



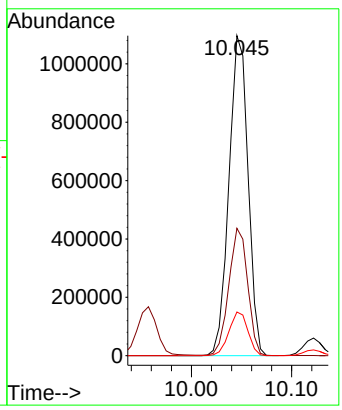


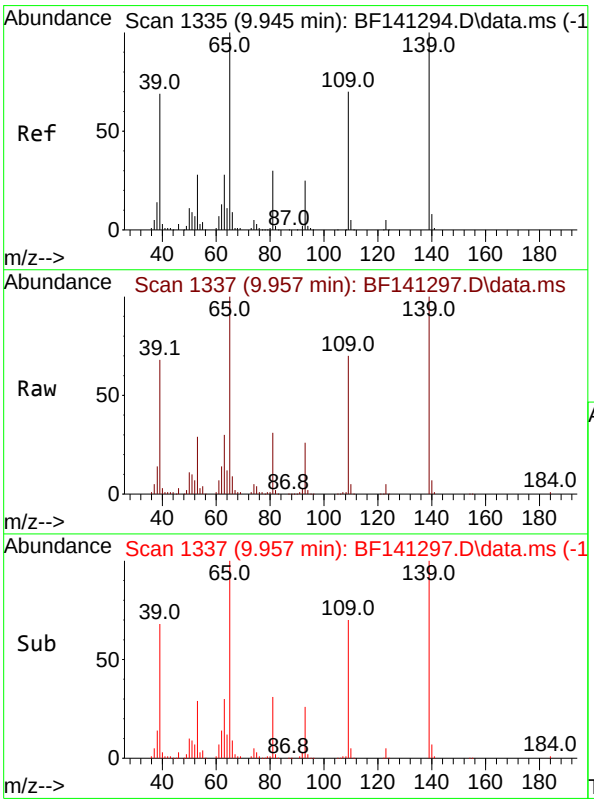
#55
Dibenzofuran
Concen: 67.158 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1451668

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.6	46.0
169	13.7	10.8	16.2

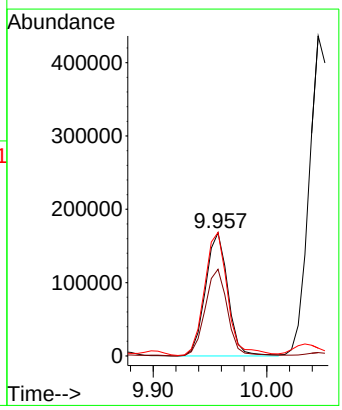


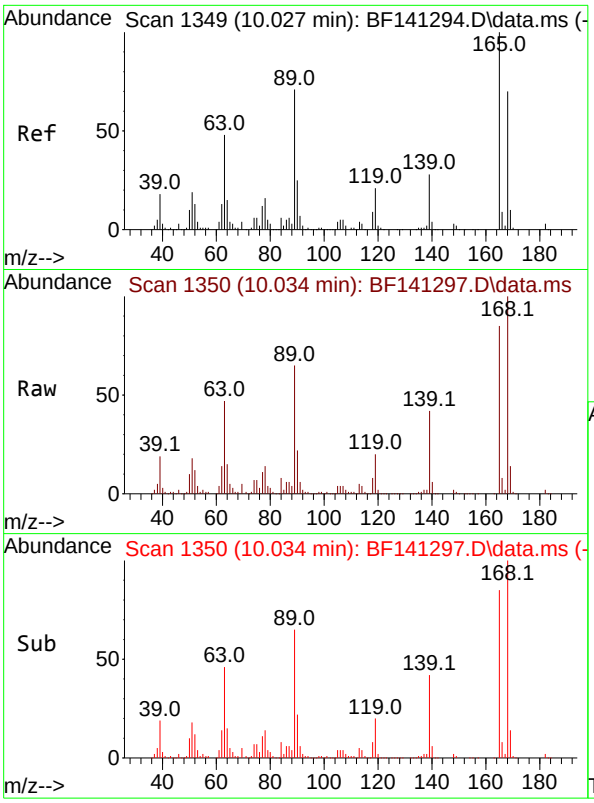


#56
4-Nitrophenol
Concen: 78.788 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 230369

Ion	Ratio	Lower	Upper
139	100		
109	70.4	50.2	90.2
65	100.3	80.6	120.6



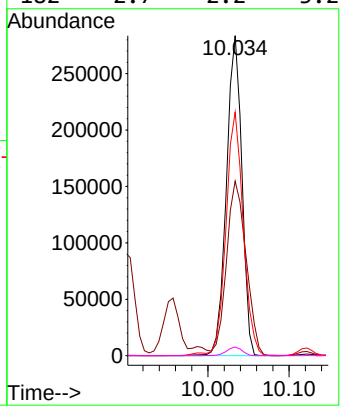


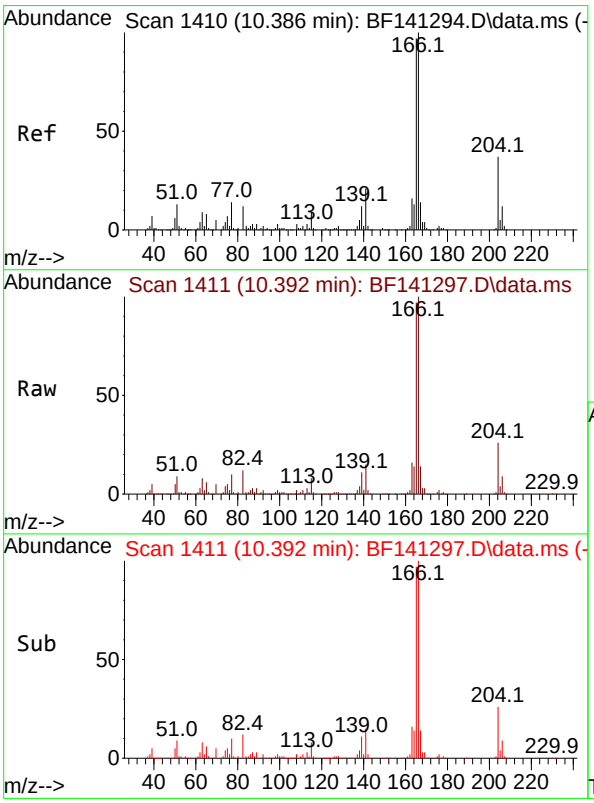
#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 375659

Ion	Ratio	Lower	Upper
165	100		
63	54.5	39.2	58.8
89	76.1	56.9	85.3
182	2.7	2.2	3.2

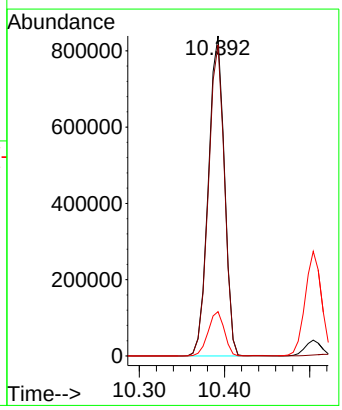


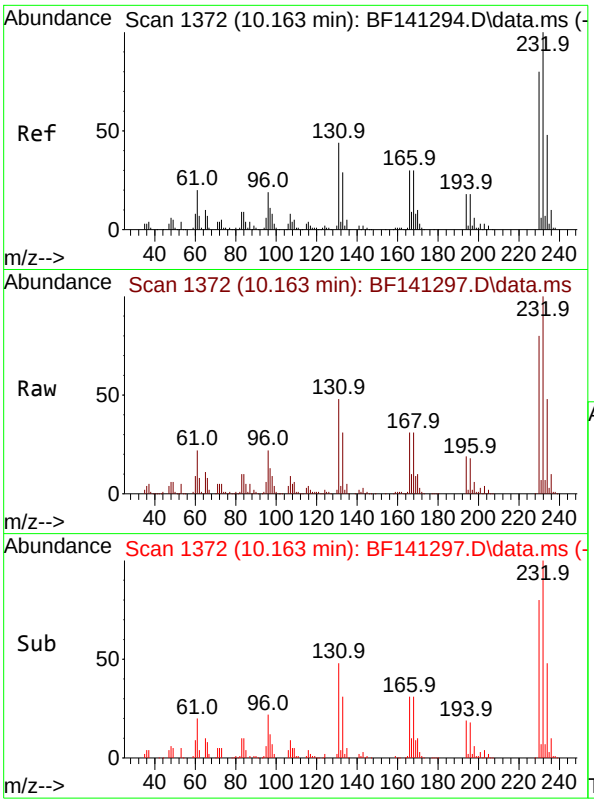


#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.5	116.3
167	13.9	10.9	16.3



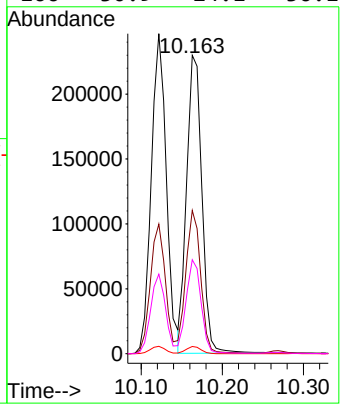


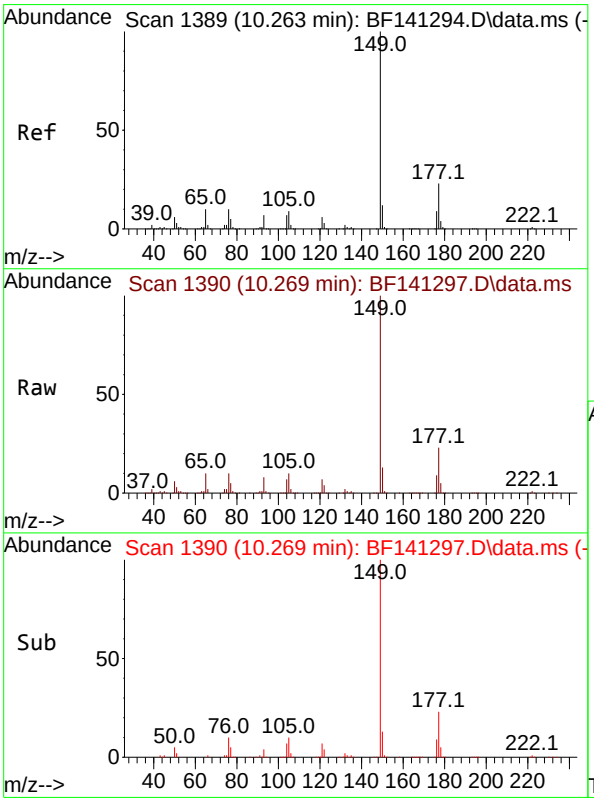
#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 302300

Ion	Ratio	Lower	Upper
232	100		
131	47.5	36.4	54.6
130	2.4	1.9	2.9
166	30.9	24.1	36.1

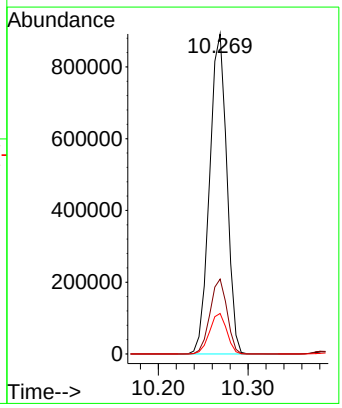


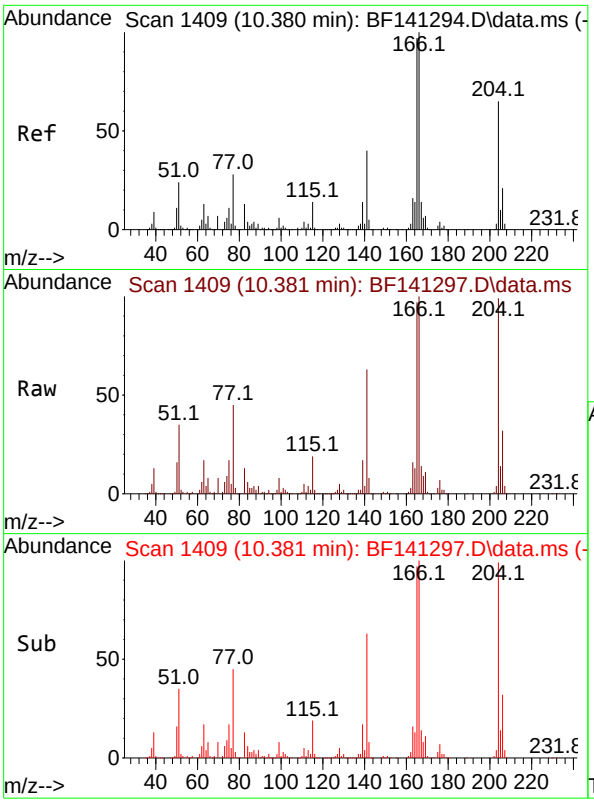


#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.5	27.7
150	12.7	10.0	15.0



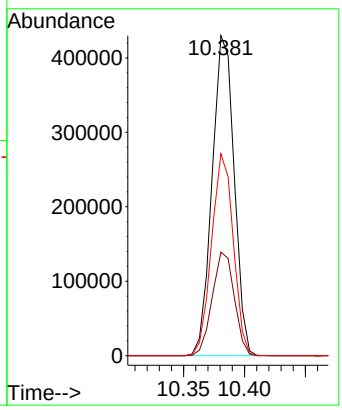


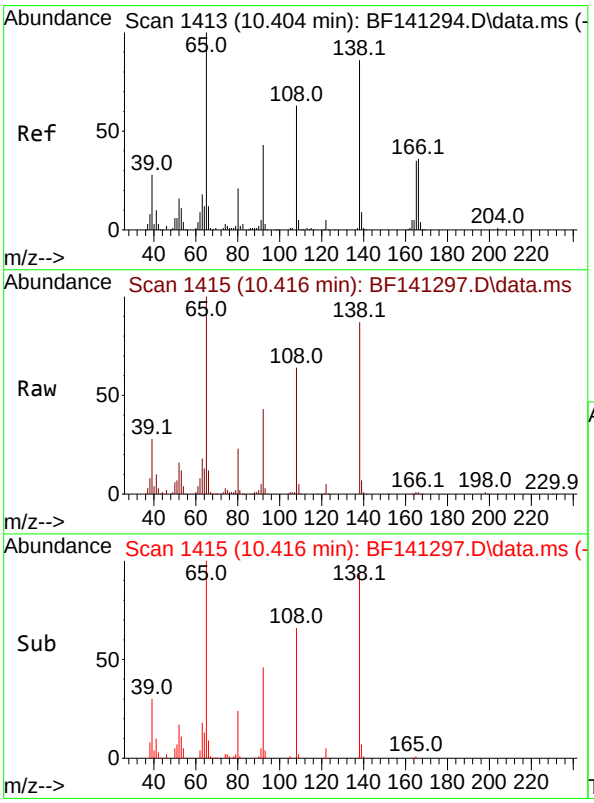
#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 541468

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	63.1	49.5	74.3

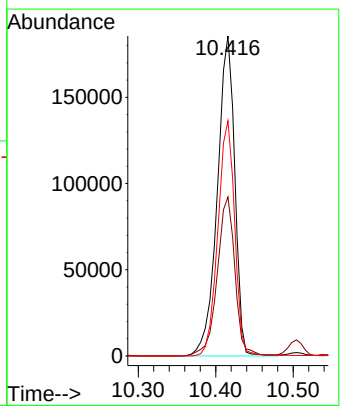


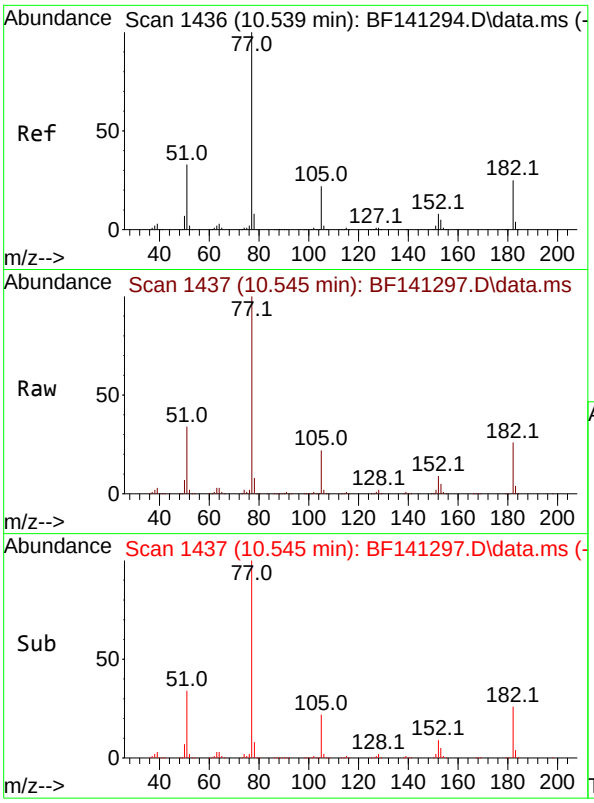


#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019

Ion	Ratio	Lower	Upper
138	100		
92	49.7	30.1	70.1
108	73.5	53.1	93.1



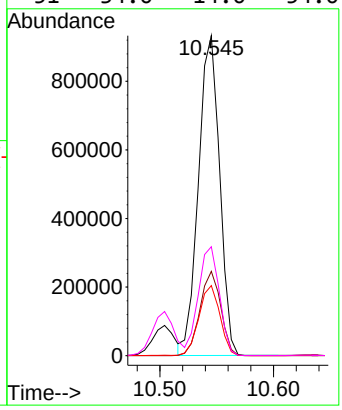


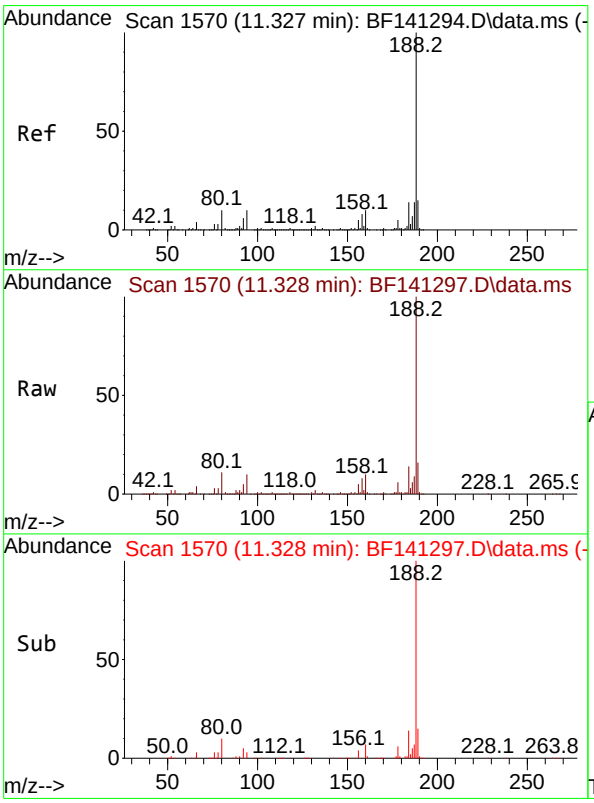
#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1206328

Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.1	45.1
105	21.9	1.8	41.8
51	34.0	14.0	54.0

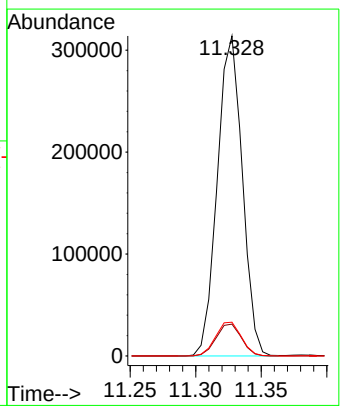


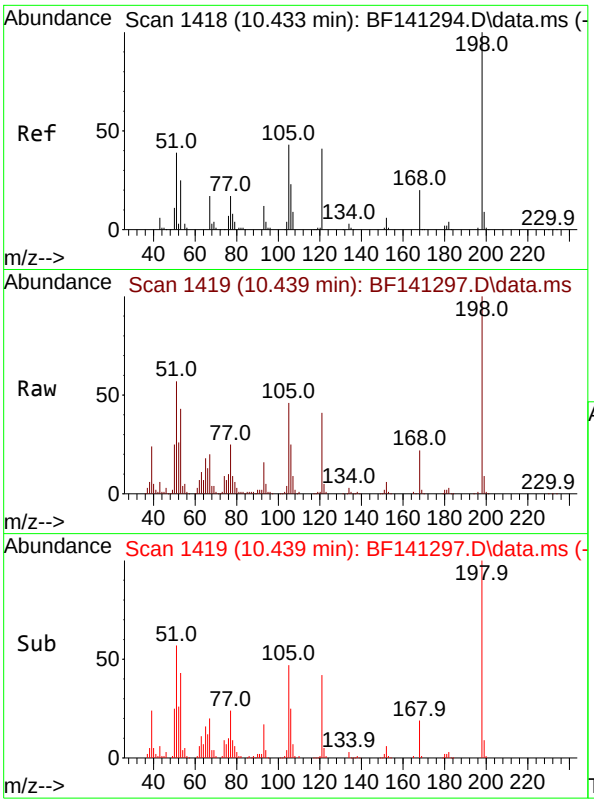


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:188 Resp: 415634

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.6	8.2	12.4



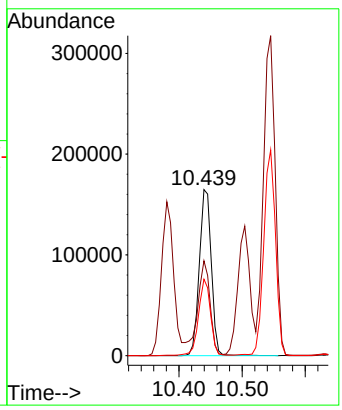


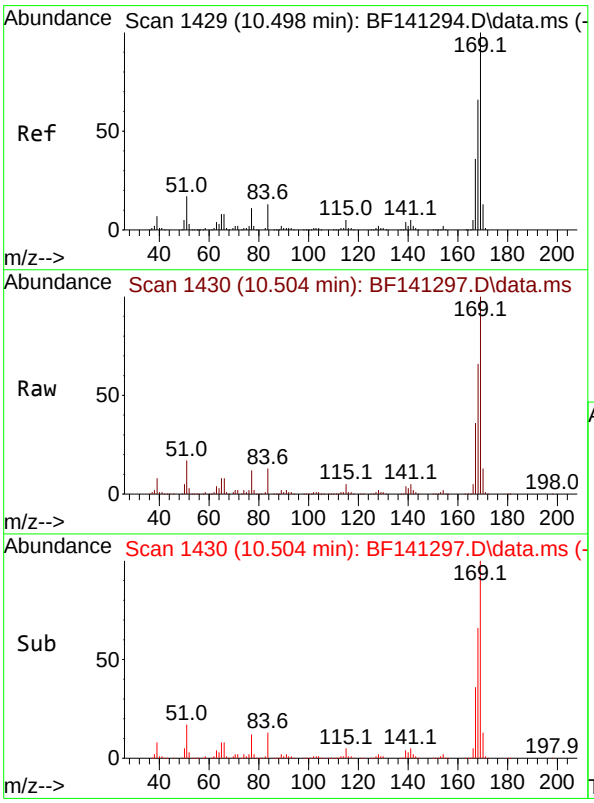
#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 217265

Ion	Ratio	Lower	Upper
198	100		
51	57.1	33.4	73.4
105	46.0	24.4	64.4

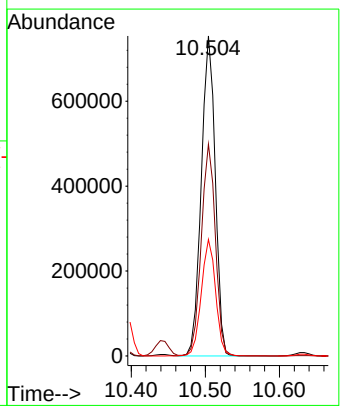


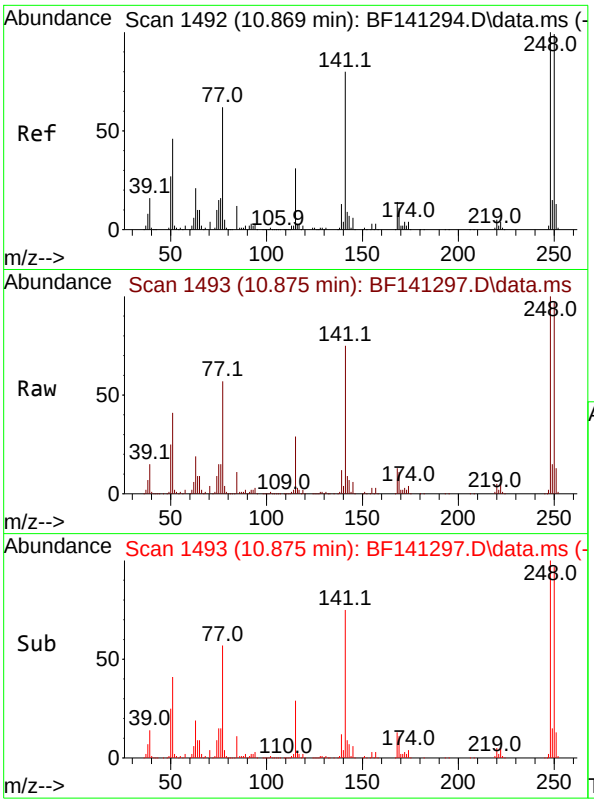


#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.4	28.8	43.2



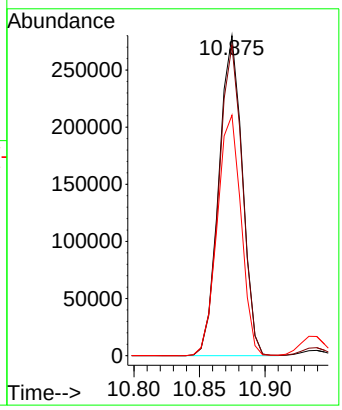


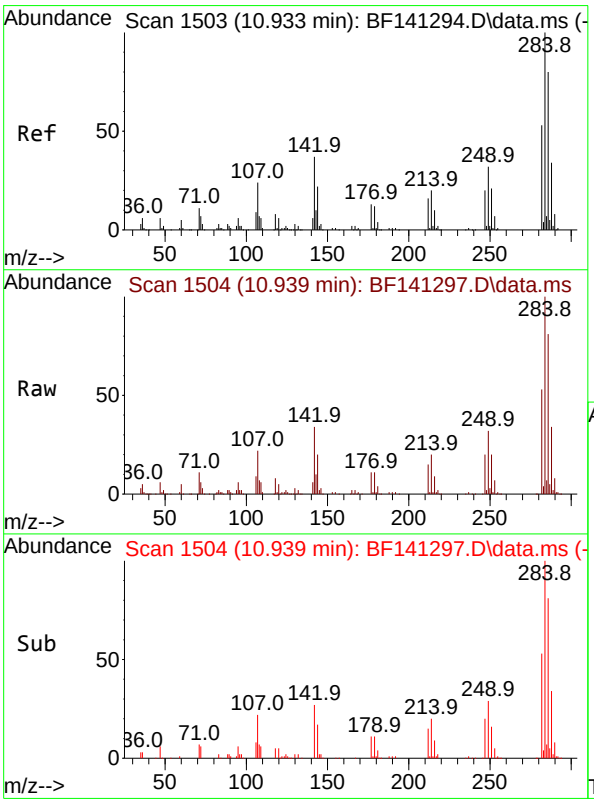
#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 348615

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	75.1	63.7	95.5

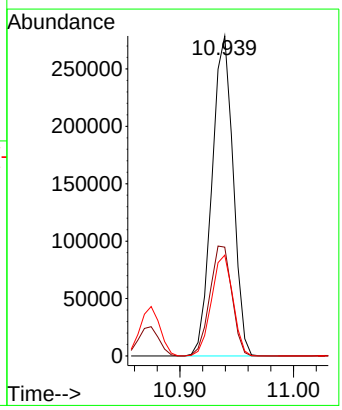


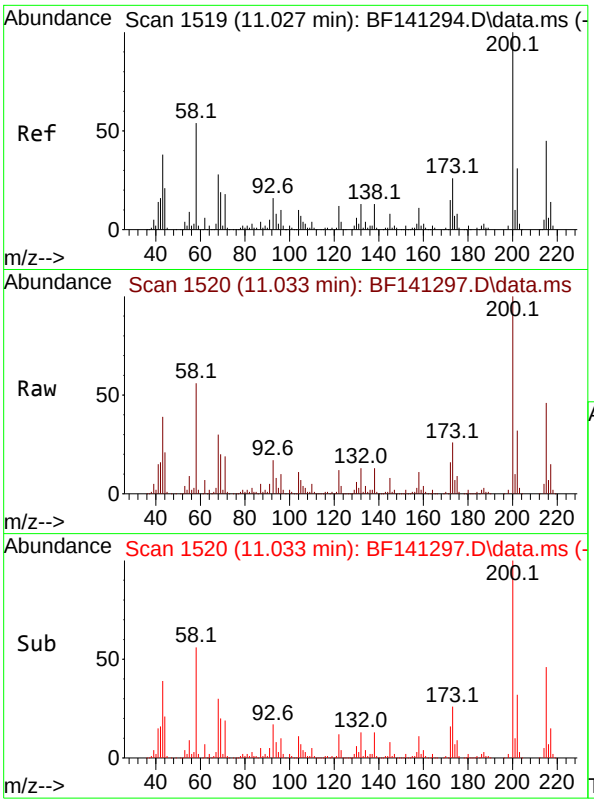


#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469

Ion	Ratio	Lower	Upper
284	100		
142	34.0	29.5	44.3
249	31.5	25.4	38.2



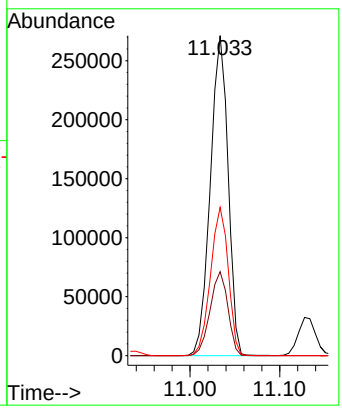


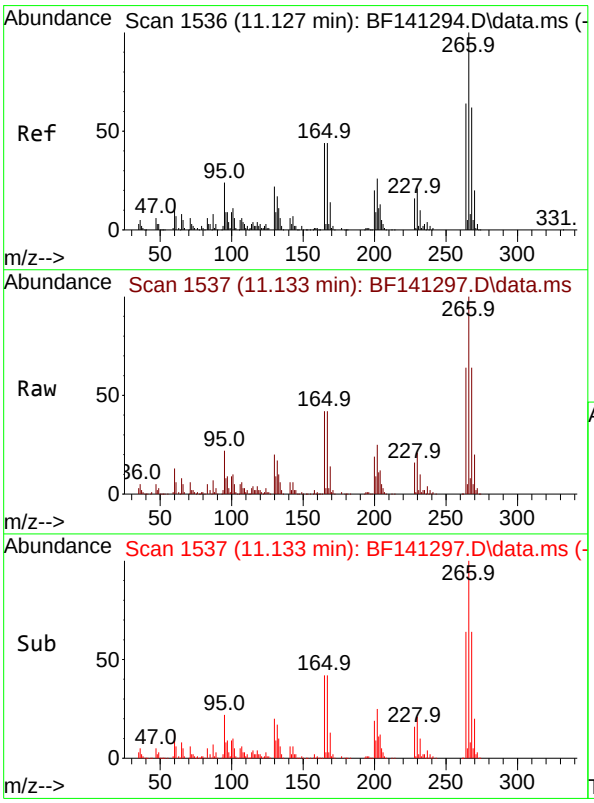
#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 372792

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.4	25.2	65.2

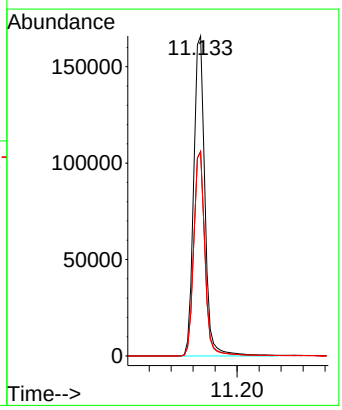


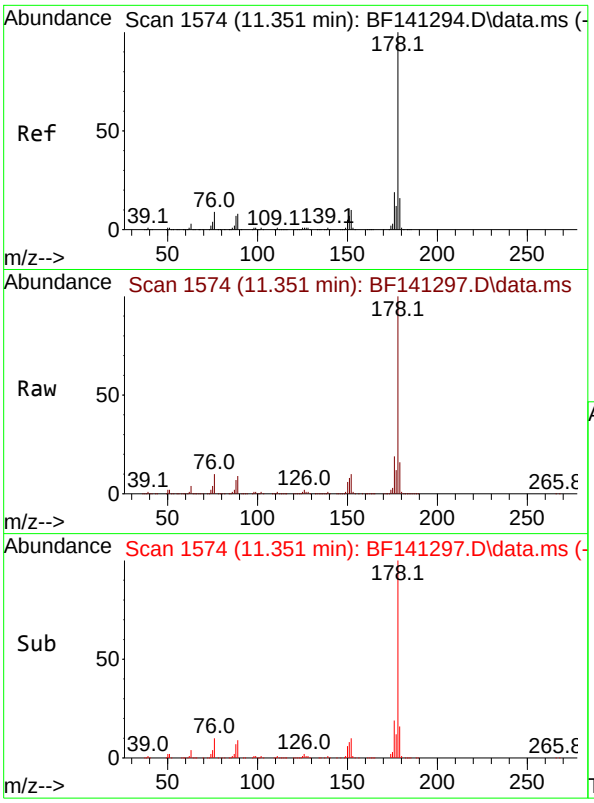


#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:266 Resp: 235030

Ion	Ratio	Lower	Upper
266	100		
268	64.0	49.9	74.9
264	63.7	51.0	76.4



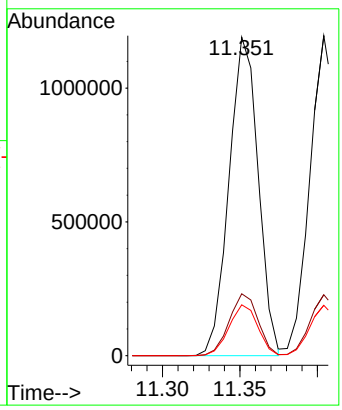


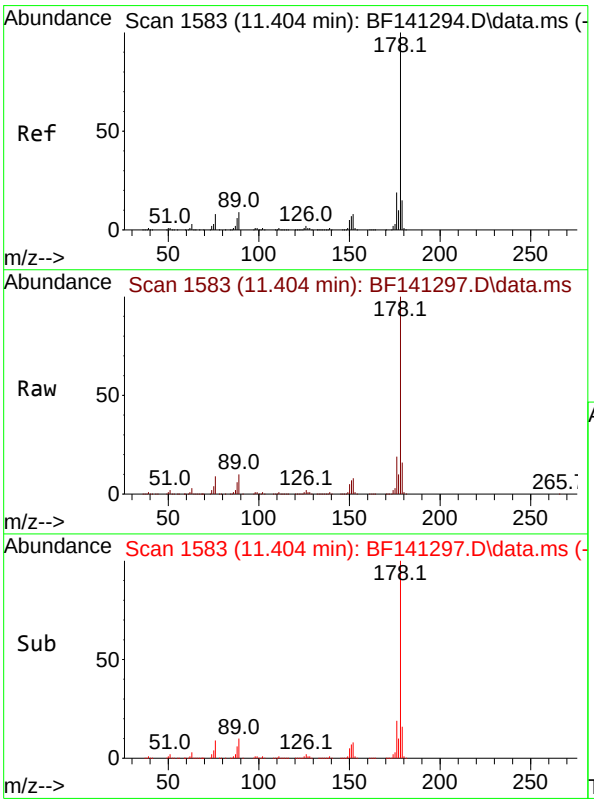
#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1557660

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.0	12.5	18.7

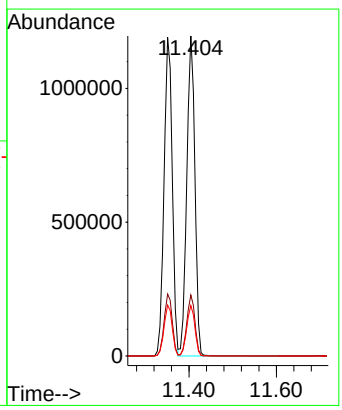


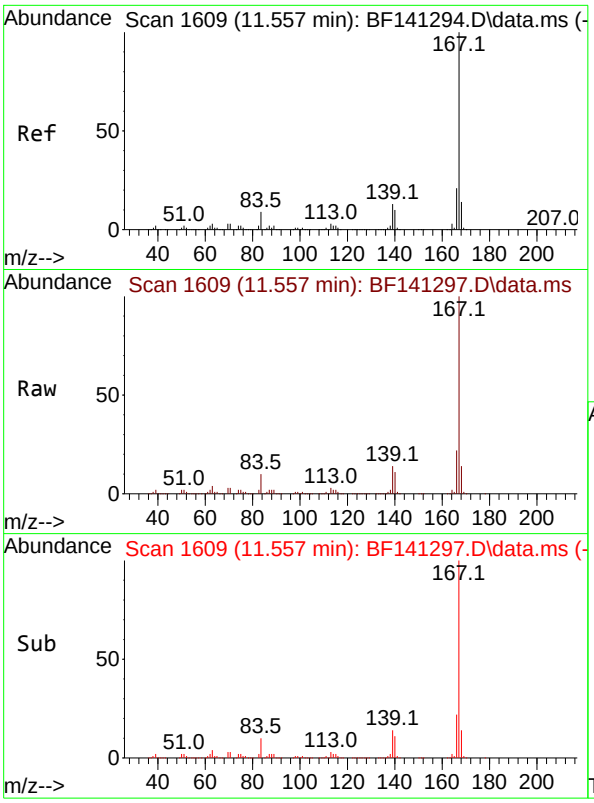


#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.8	12.3	18.5



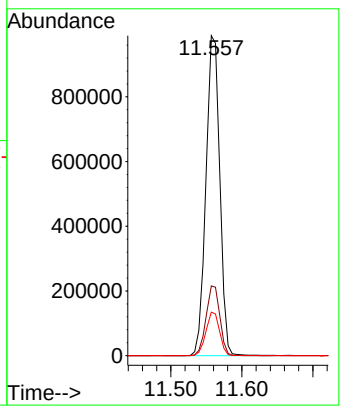


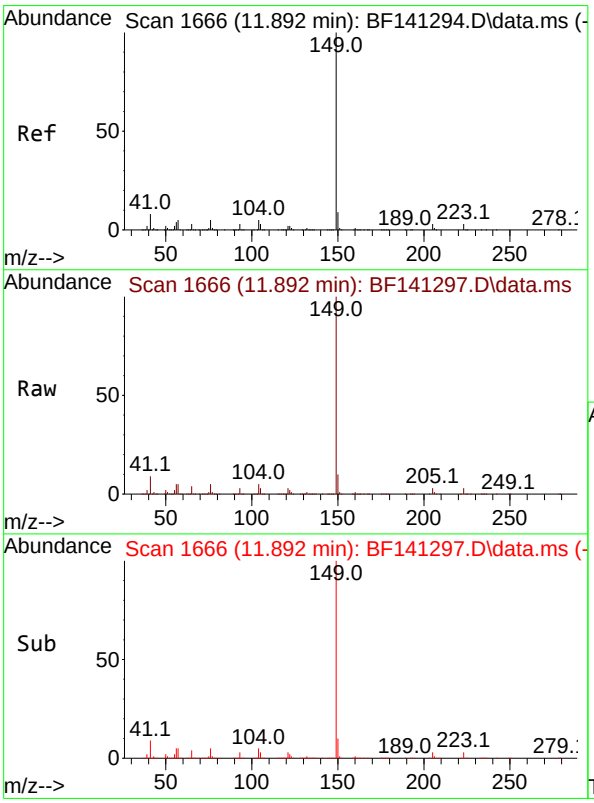
#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1342447

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.6	10.6	16.0

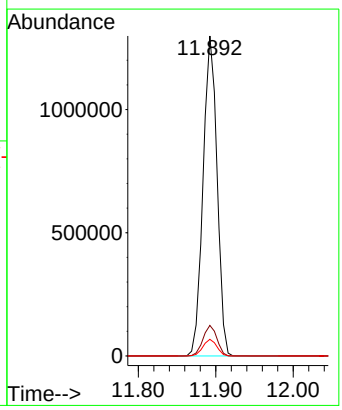


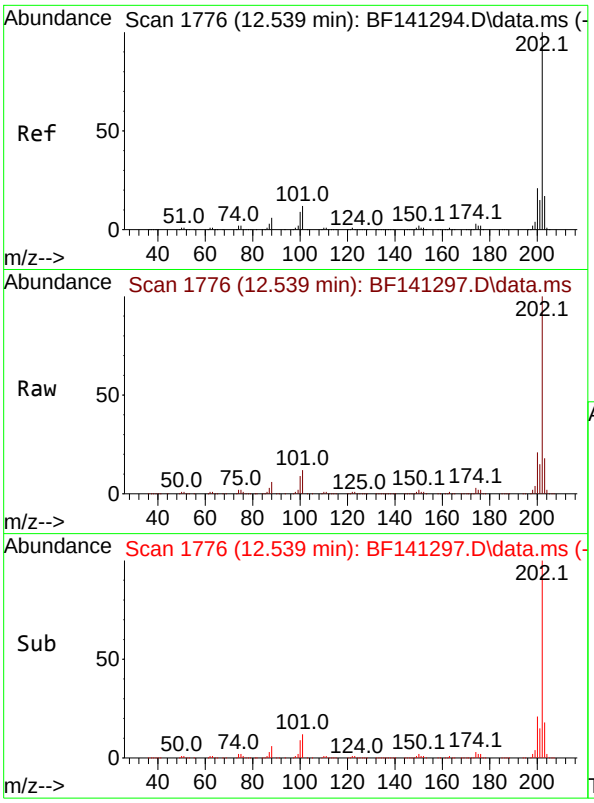


#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.2	3.9	5.9



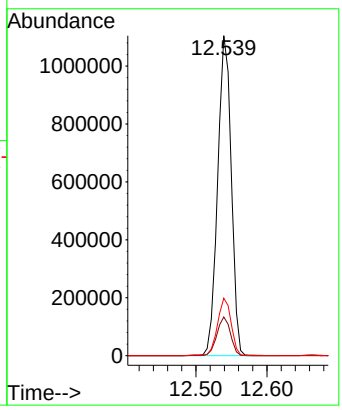


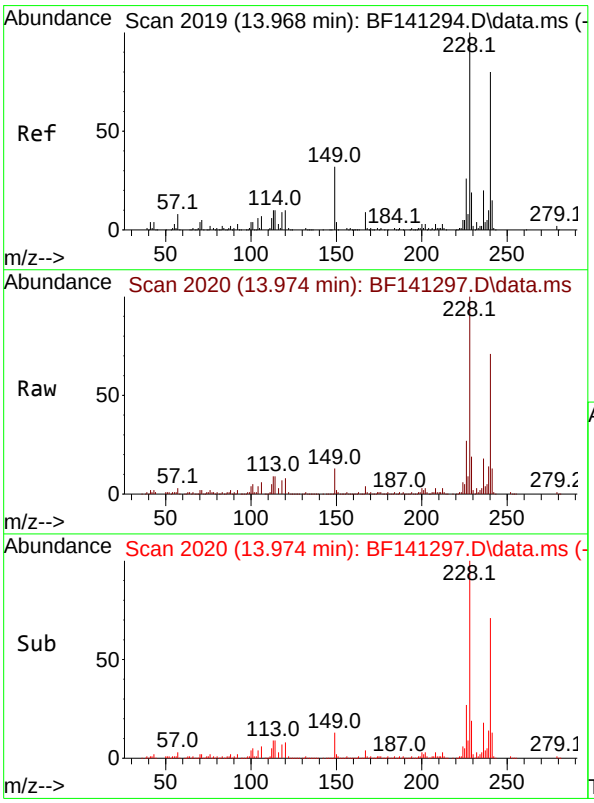
#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1463196

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.7
203	18.0	0.0	37.5

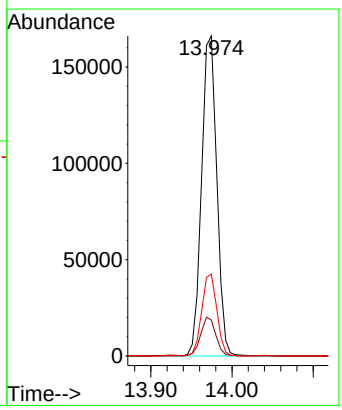


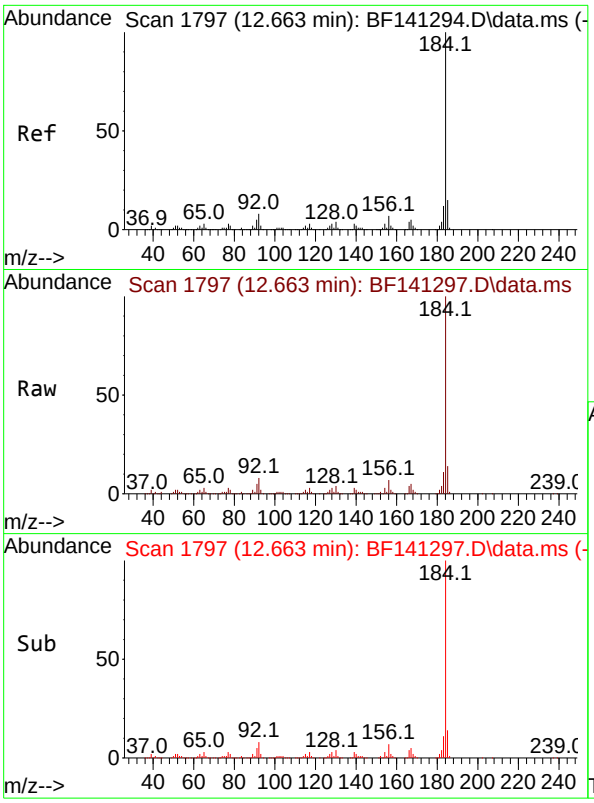


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.6	19.7	29.5



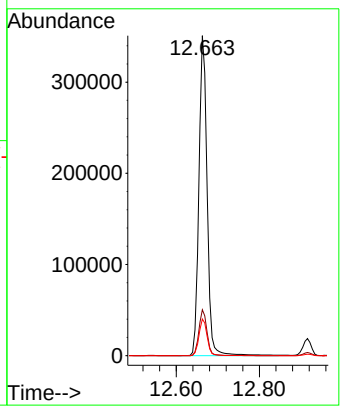


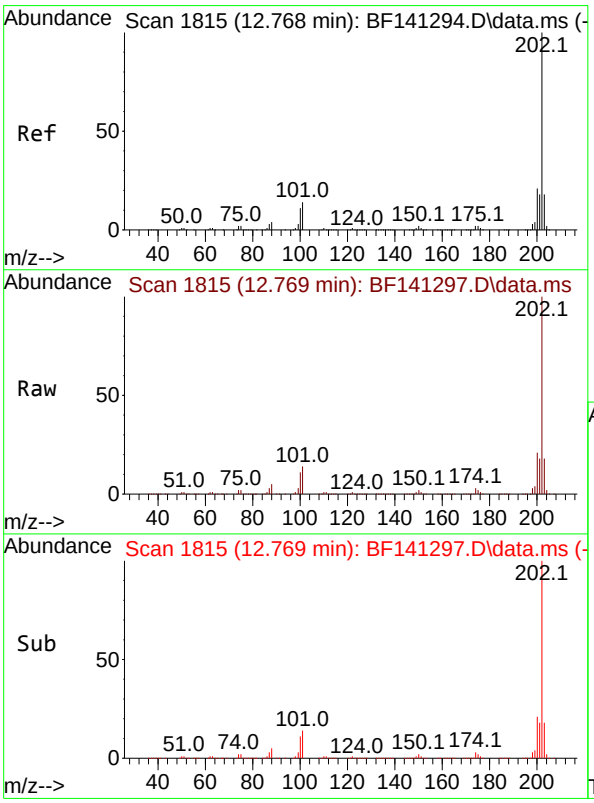
#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 481470

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.9	17.9
183	11.5	9.5	14.3

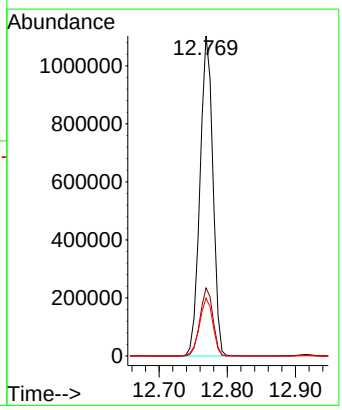


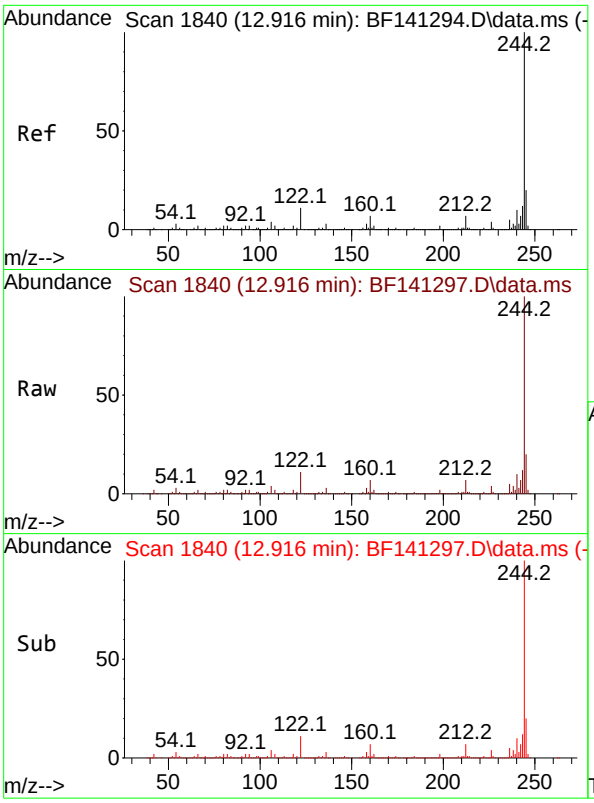


#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:202 Resp: 1450076

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.0	14.3	21.5



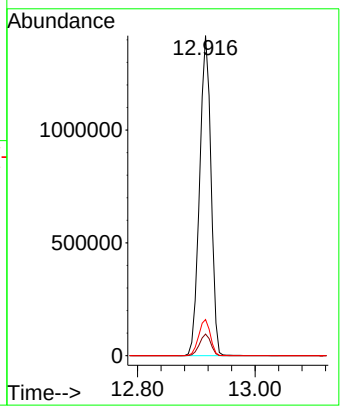


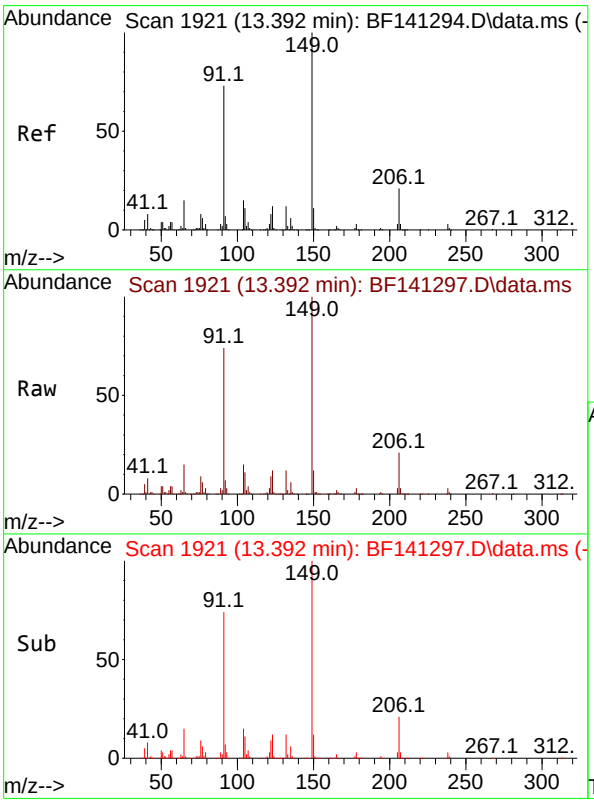
#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1910783

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.3	8.8	13.2

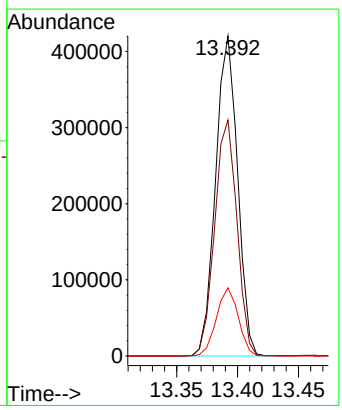


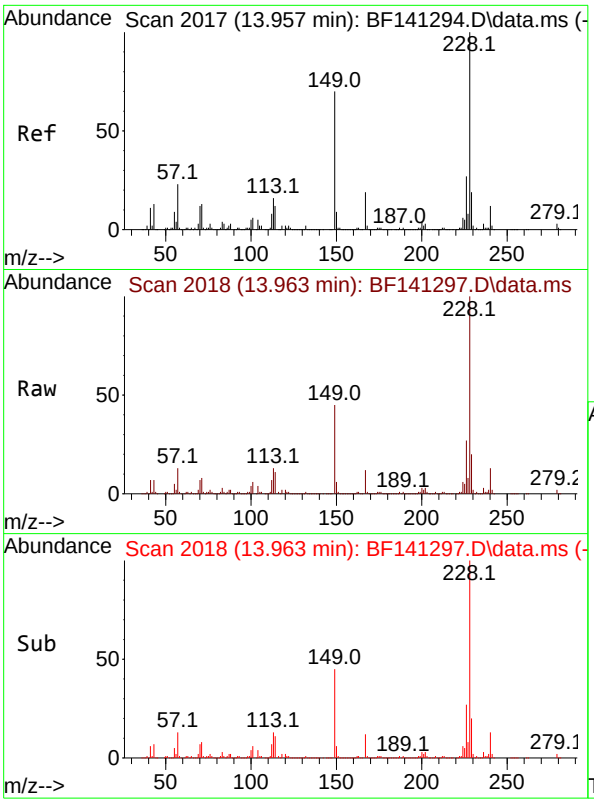


#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754

Ion	Ratio	Lower	Upper
149	100		
91	73.8	58.6	87.8
206	21.3	16.7	25.1



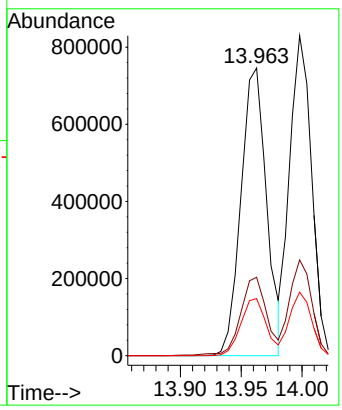


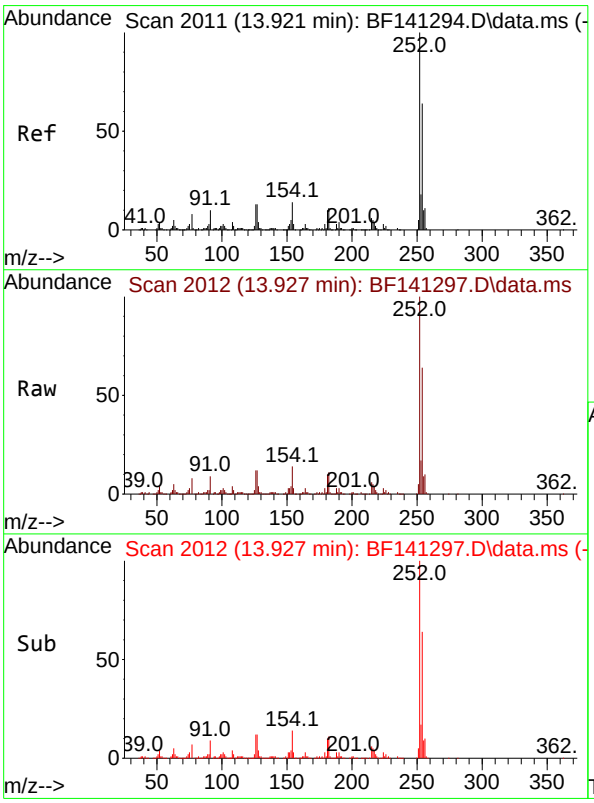
#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1095972

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	19.8	15.5	23.3

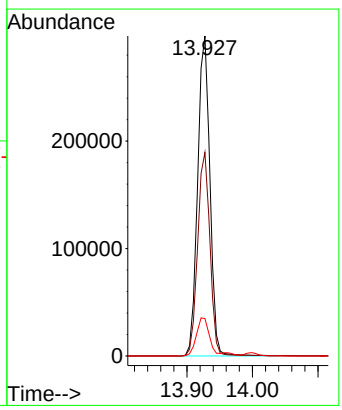


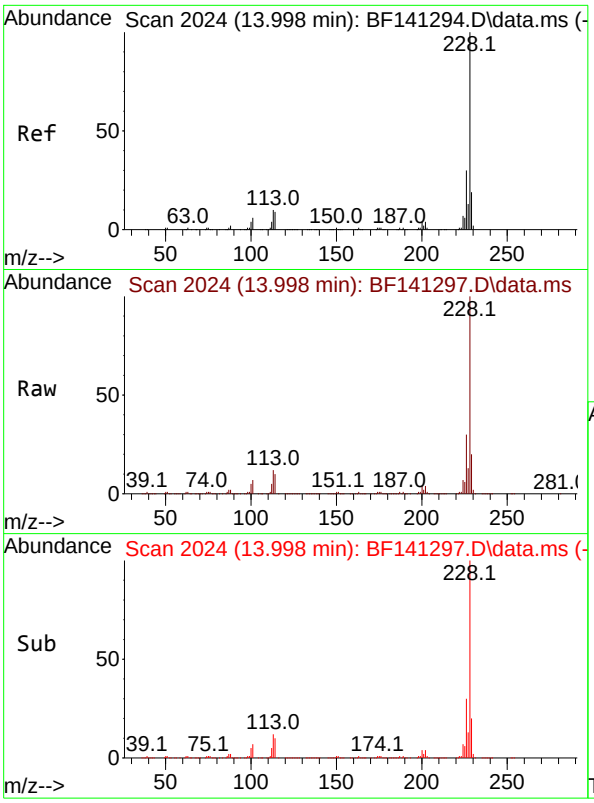


#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.3	76.9
126	11.7	10.0	15.0



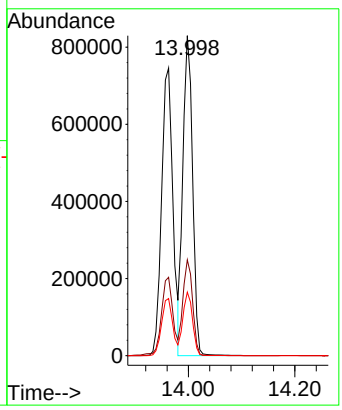


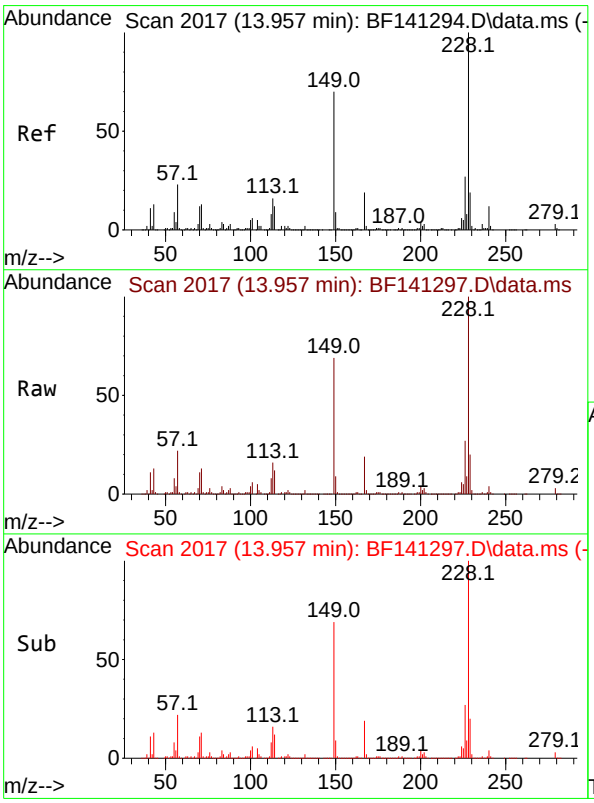
#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1048083

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.9	15.6	23.4

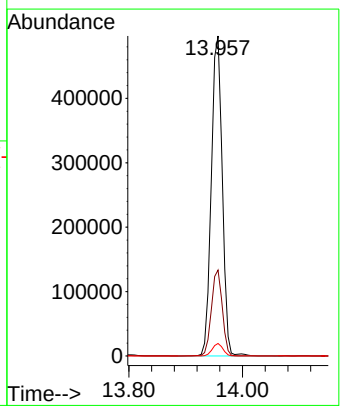


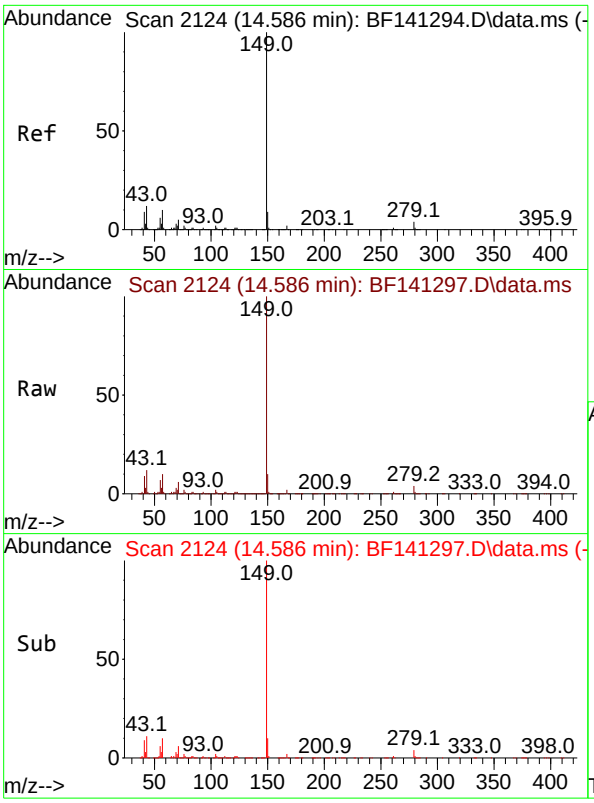


#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	3.9	3.3	4.9



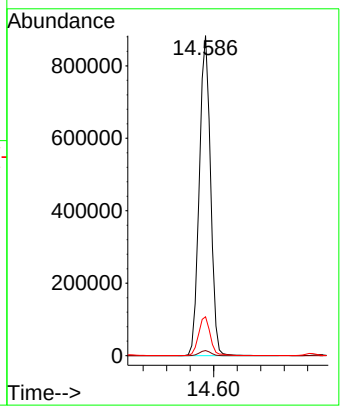


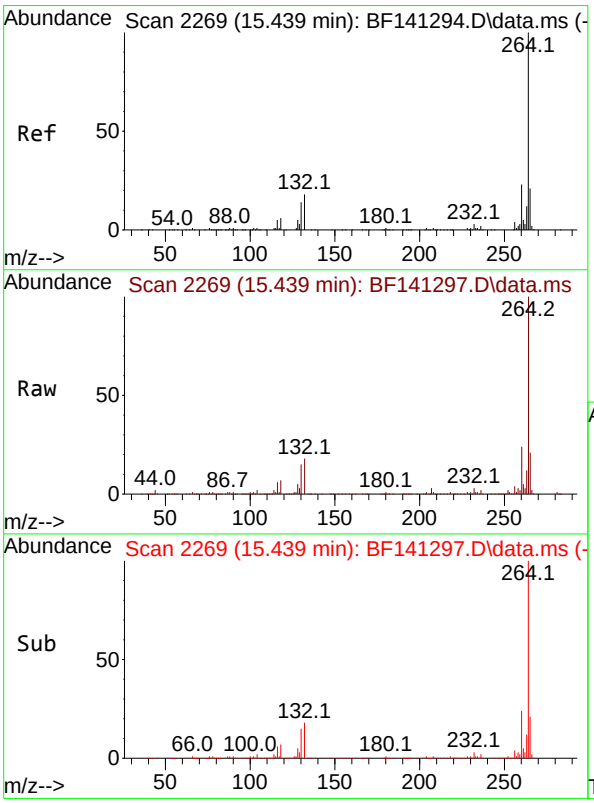
#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1171131

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.7	9.8	14.8

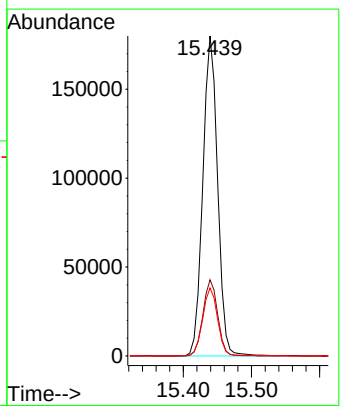


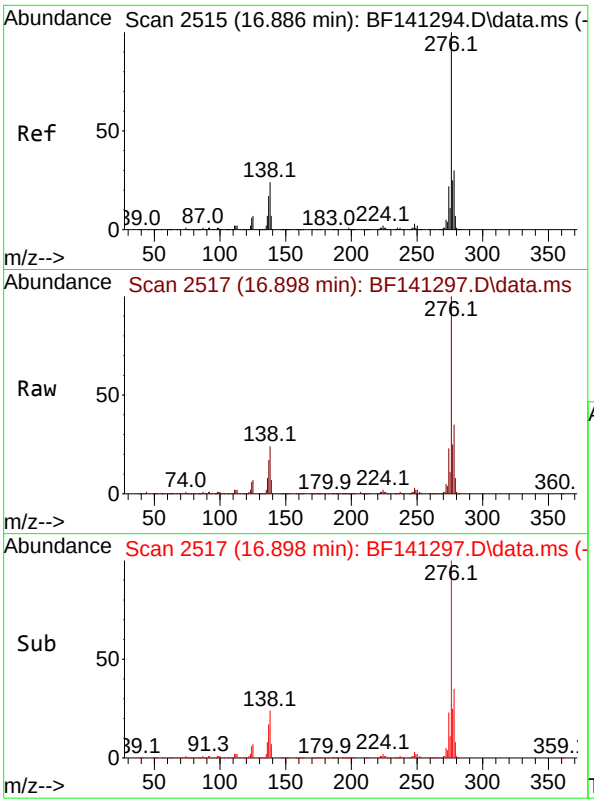


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.3	16.7	25.1



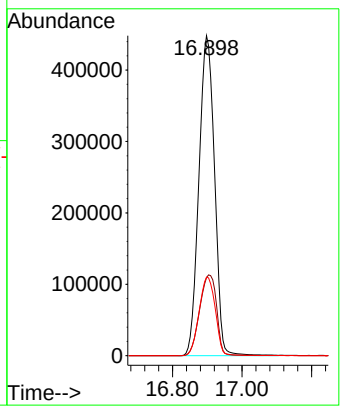


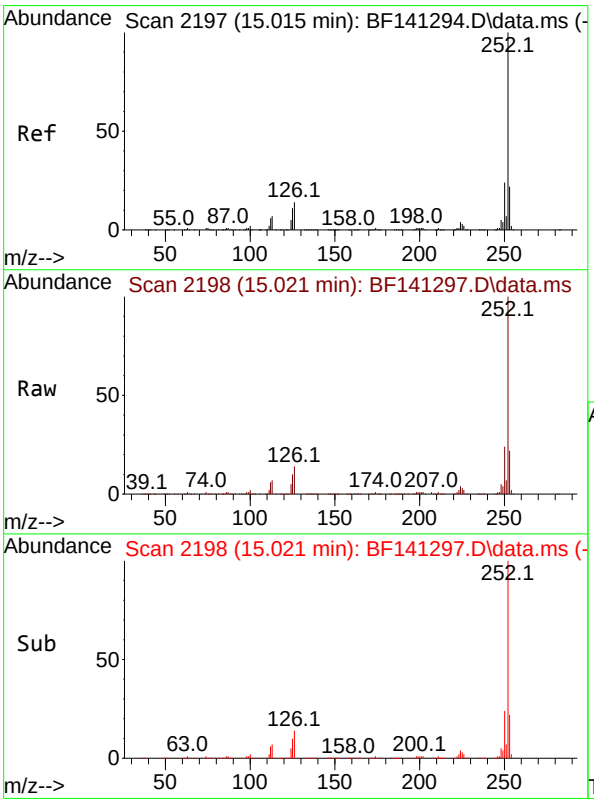
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1399119

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.3	20.3	30.5

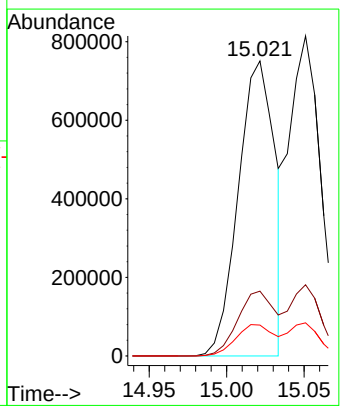


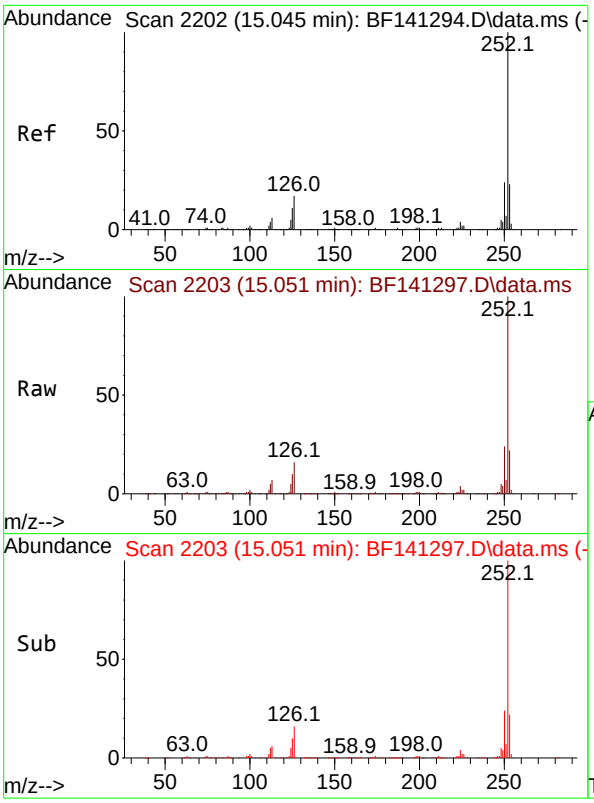


#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1235245

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.5	8.6	12.8



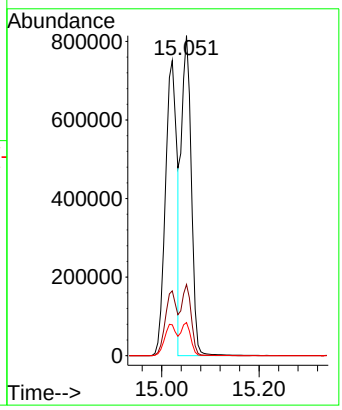


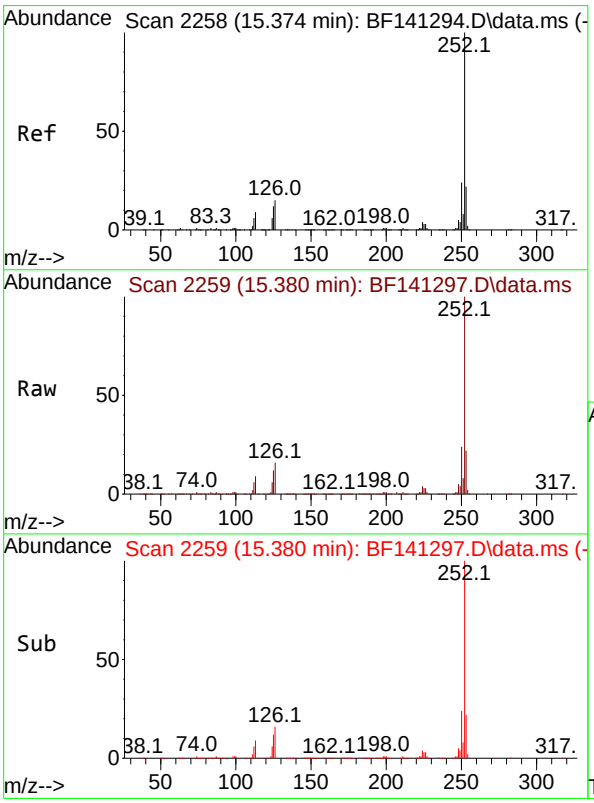
#89
Benzo(k)fluoranthene
Concen: 75.010 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1146296

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.4	8.4	12.6

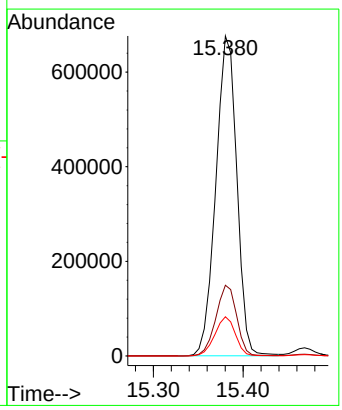


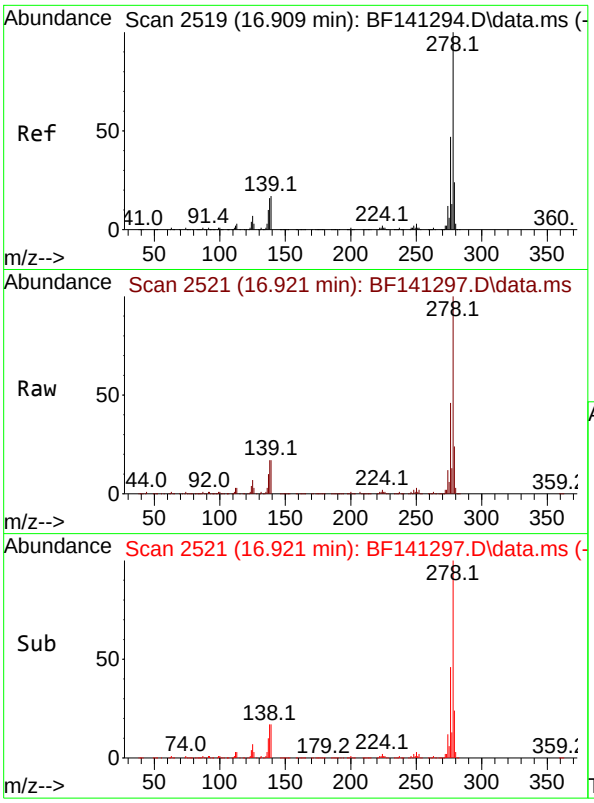


#90
Benzo(a)pyrene
Concen: 75.410 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1098491

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.3	9.4	14.2



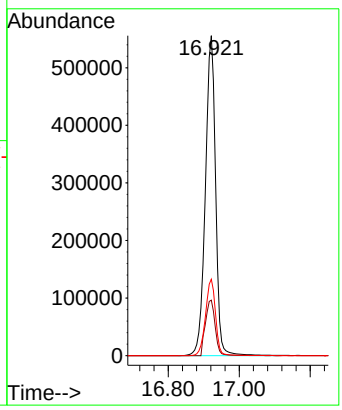


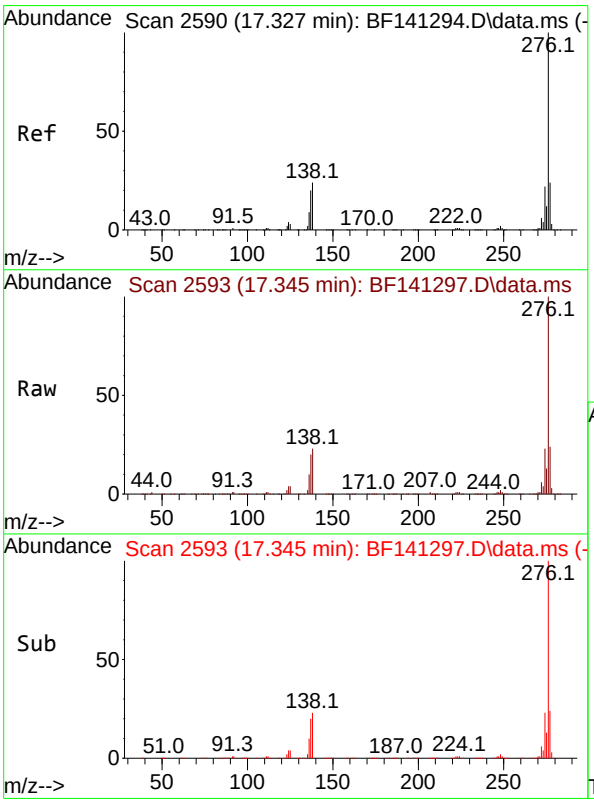
#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1117397

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	23.9	18.8	28.2

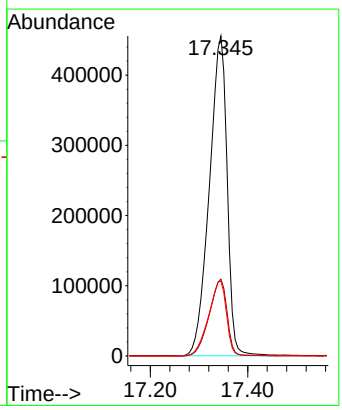




#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.4	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng		100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng		100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng		100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng		98
49) Acenaphthylene	9.698	152	890709	37.416	ng		100
50) Dimethylphthalate	9.563	163	697300	36.904	ng		100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng		99
52) Acenaphthene	9.869	154	632756	37.206	ng		99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng		98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng	#	85
55) Dibenzofuran	10.045	168	842555	37.012	ng		100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng		99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng		99
58) Fluorene	10.386	166	643639	36.451	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng		99
60) Diethylphthalate	10.263	149	683674	37.316	ng		99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng		99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng		99
63) Azobenzene	10.539	77	678905	37.020	ng		100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng		99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng		99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng		98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng		99
69) Atrazine	11.028	200	190958	39.215	ng		99
70) Pentachlorophenol	11.128	266	128300	40.973	ng		99
71) Phenanthrene	11.351	178	922625	38.117	ng		100
72) Anthracene	11.398	178	912703	38.484	ng		100
73) Carbazole	11.557	167	813036	38.661	ng		100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng		100
75) Fluoranthene	12.539	202	902637	37.768	ng		100
77) Benzidine	12.663	184	405163	49.142	ng		99
78) Pyrene	12.769	202	894269	36.225	ng		99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng		99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng		99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng		99
83) Chrysene	13.992	228	610038	37.508	ng		100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng		100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng		99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng		99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng		100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng		99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng		99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng		99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng		99

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

ICAL Form

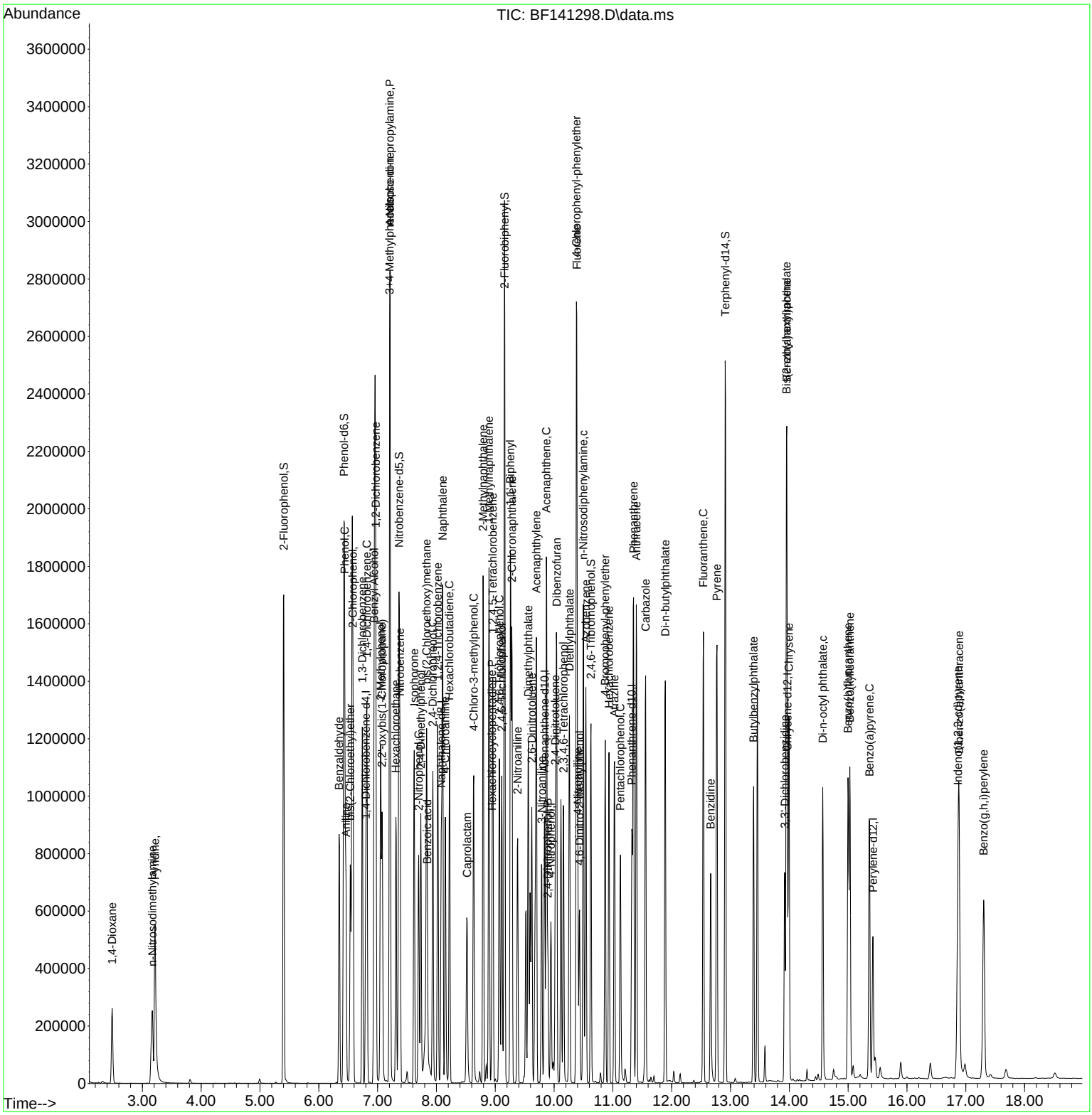
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Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

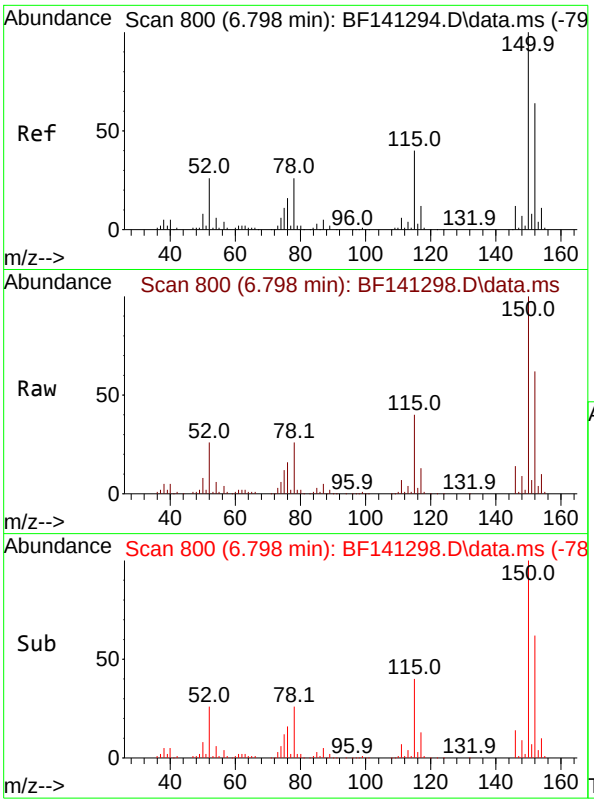
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

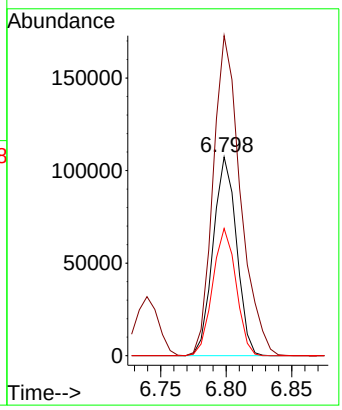




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 13331

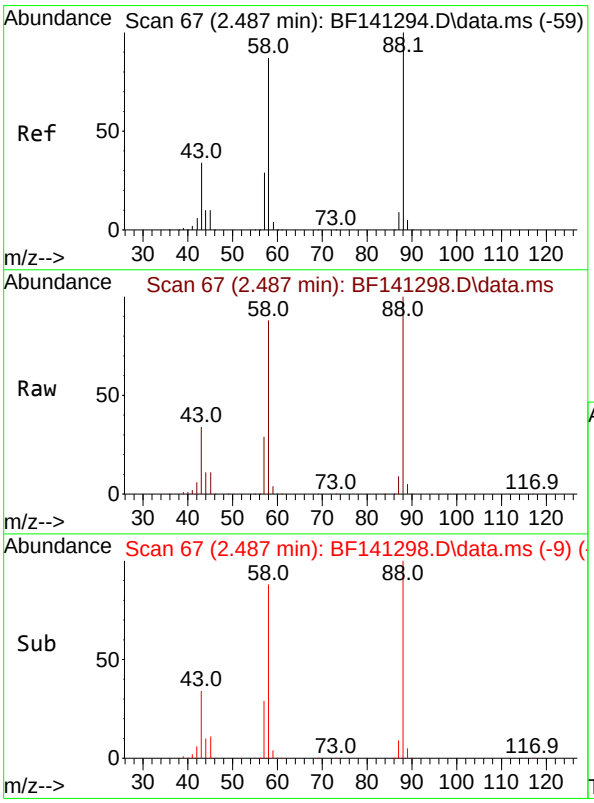
Ion	Ratio	Lower	Upper
152	100		
150	161.0	125.9	188.9
115	64.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

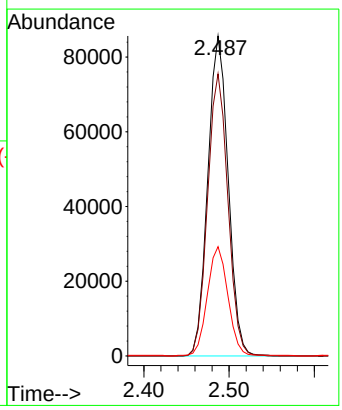
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

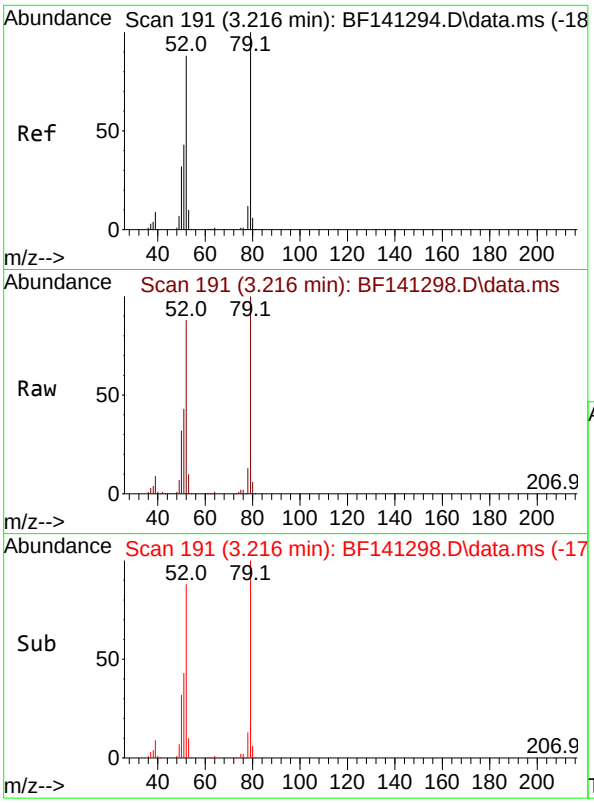


#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 88 Resp: 142440

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.7	27.6	41.4

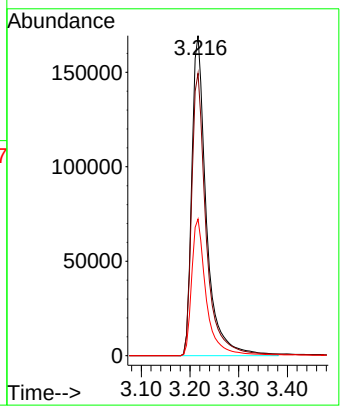




#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 35347

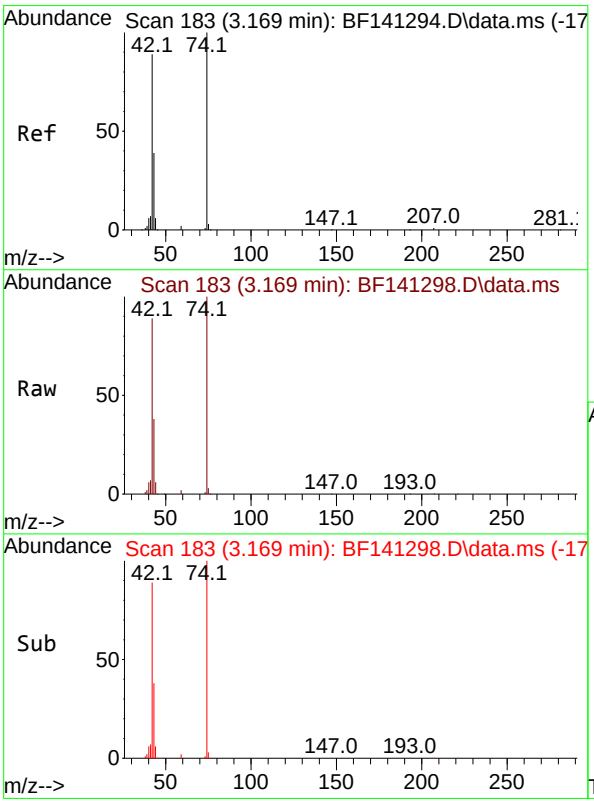
Ion	Ratio	Lower	Upper
79	100		
52	88.3	70.3	105.5
51	42.7	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

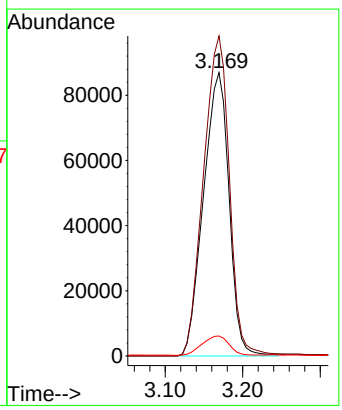
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

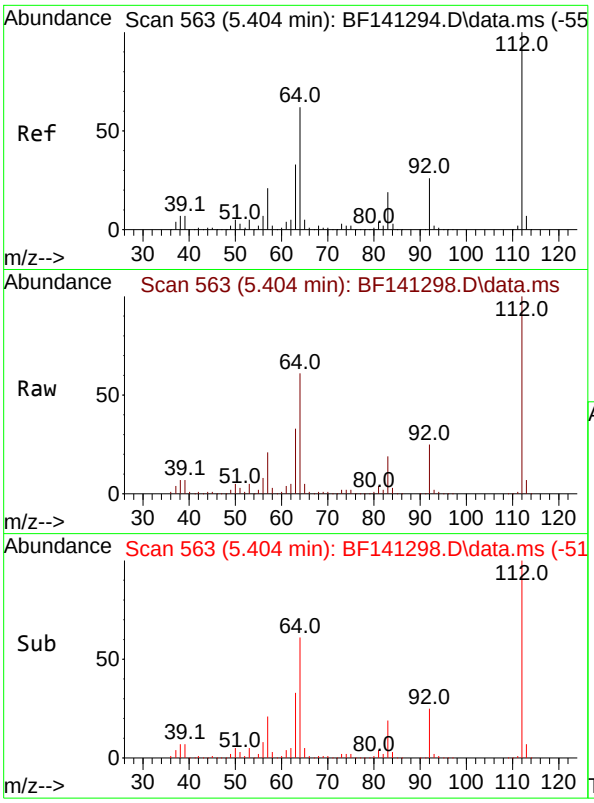


#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 42 Resp: 199637

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	7.1	5.7	8.5

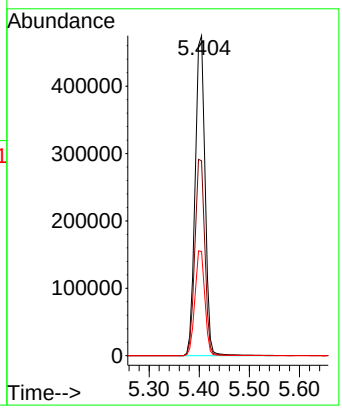




#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:112 Resp: 65098

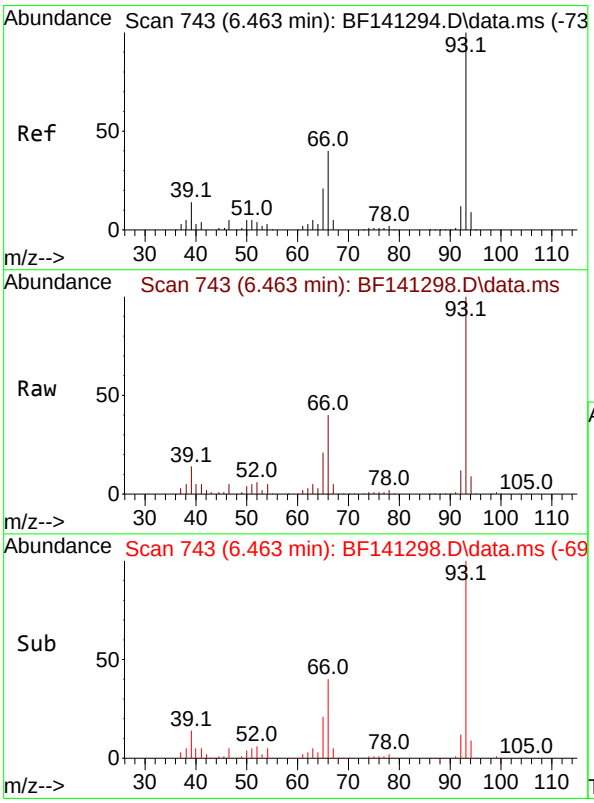
Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.8	74.8
63	32.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

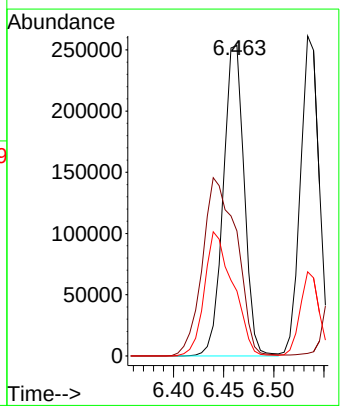
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

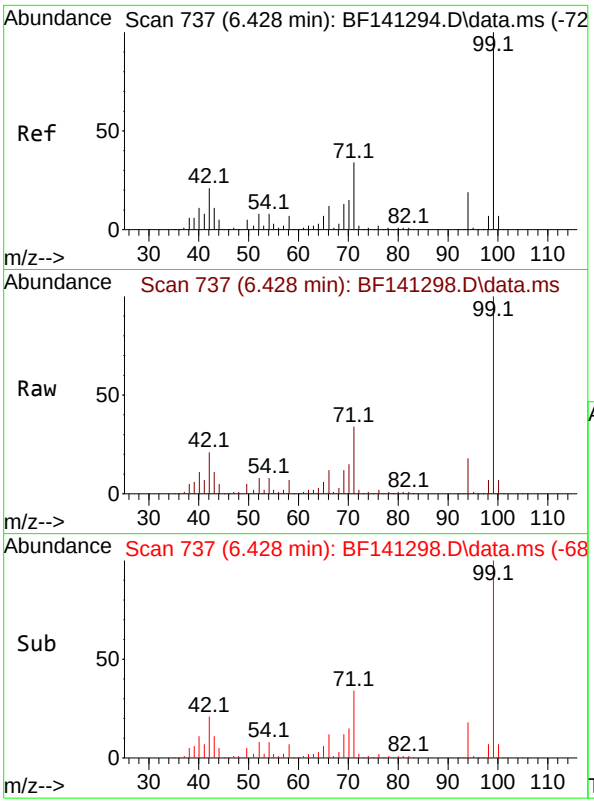


#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 368792

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.5	48.7
65	20.9	17.0	25.6

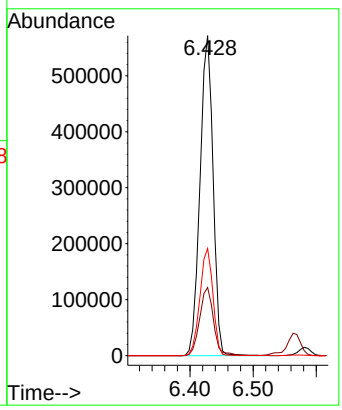




#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 99 Resp: 82457

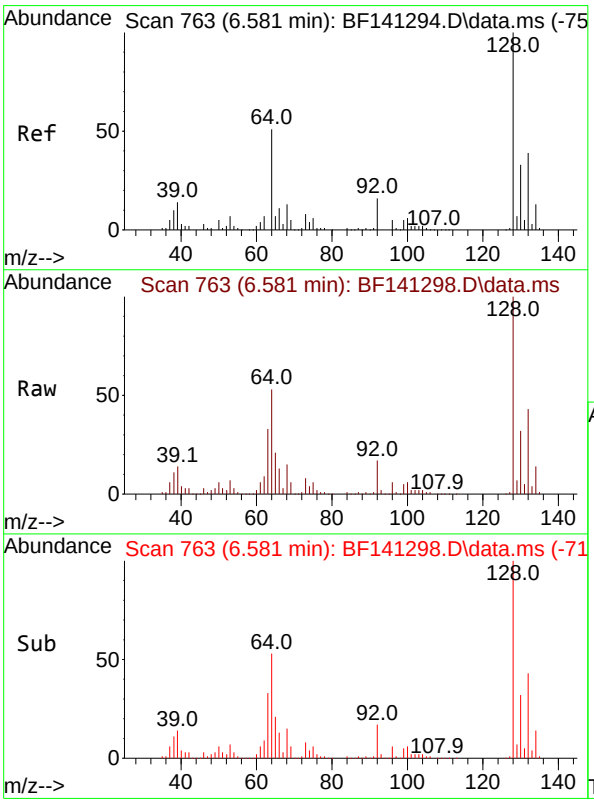
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.1	25.7
71	33.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

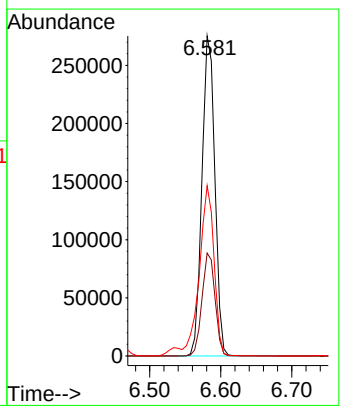
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

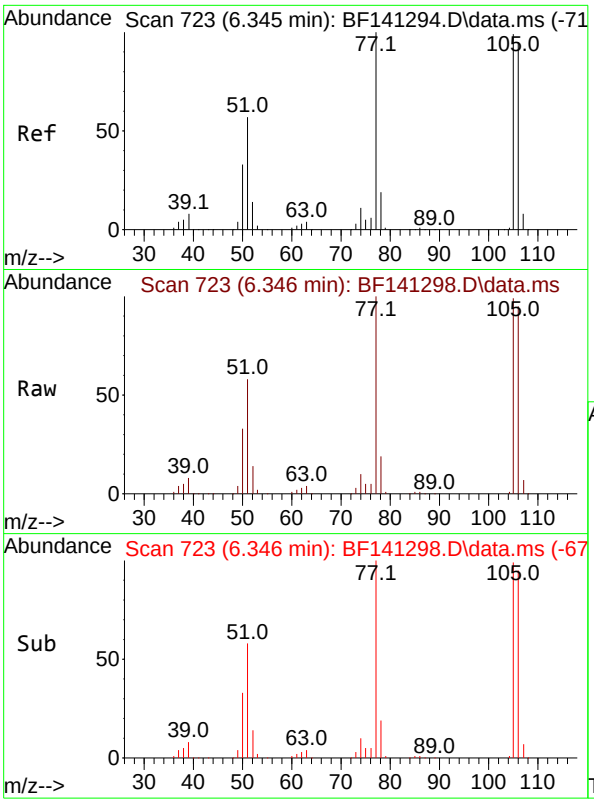


#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	53.2	32.9	72.9

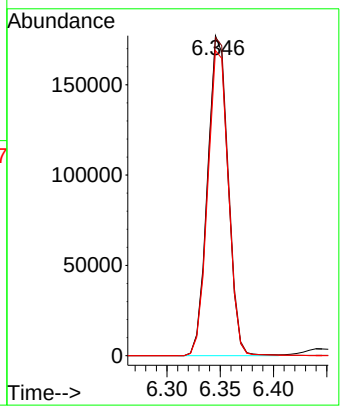




#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 23653

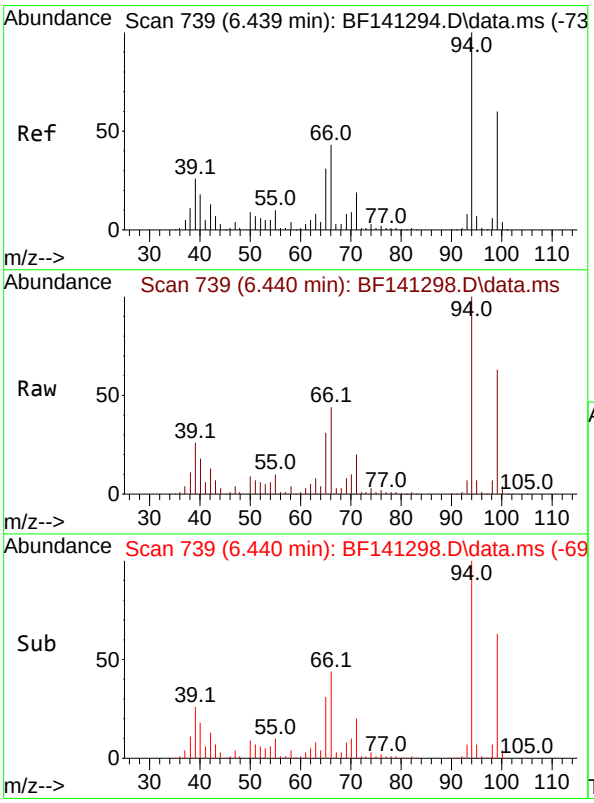
Ion	Ratio	Lower	Upper
77	100		
105	99.5	79.4	119.4
106	95.3	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

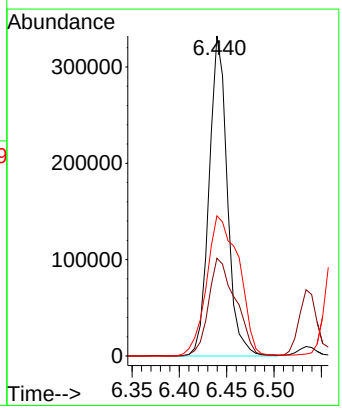
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

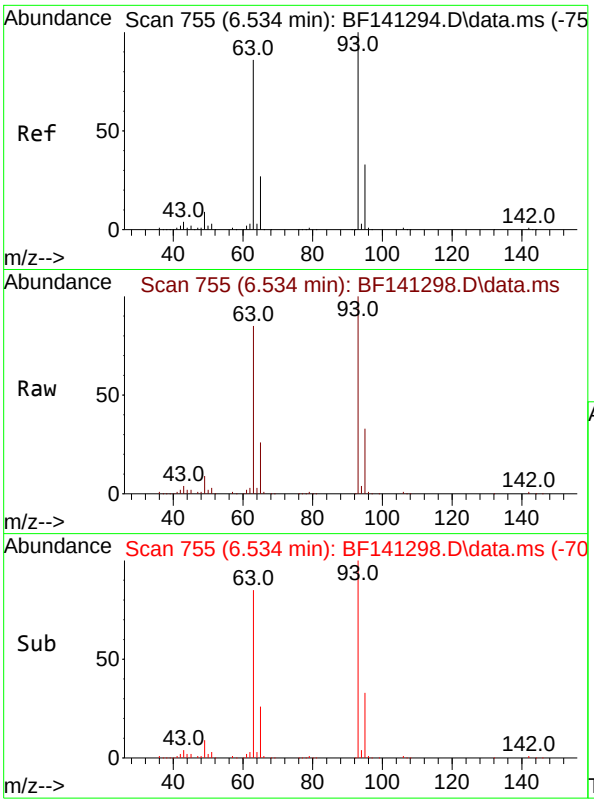


#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 94 Resp: 443695

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.8	50.8
66	43.8	23.3	63.3

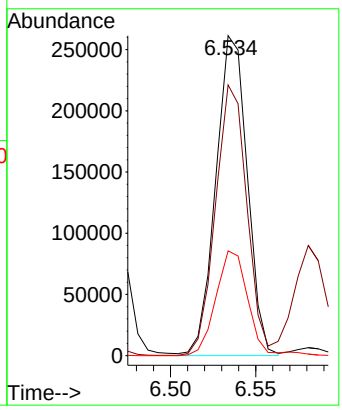




#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 33570

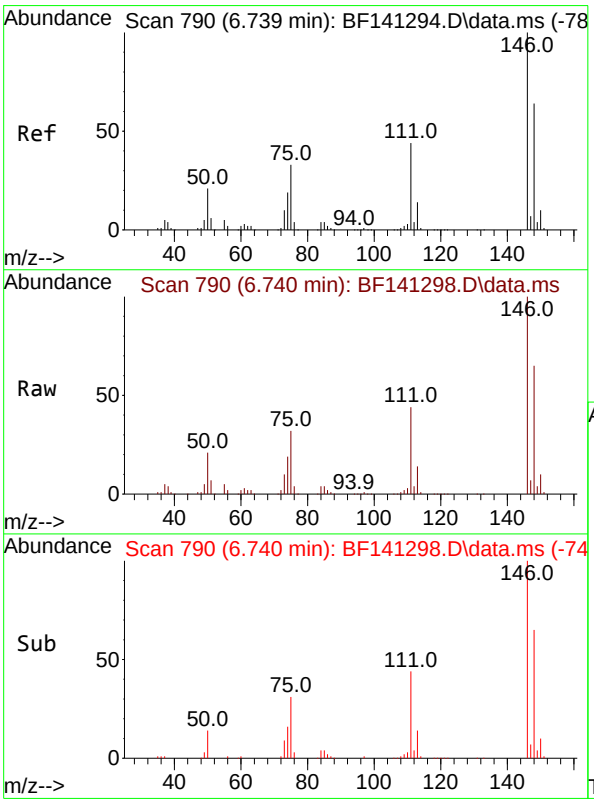
Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

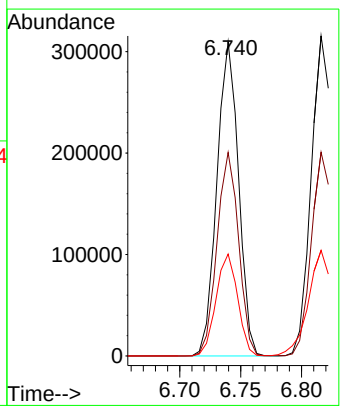
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

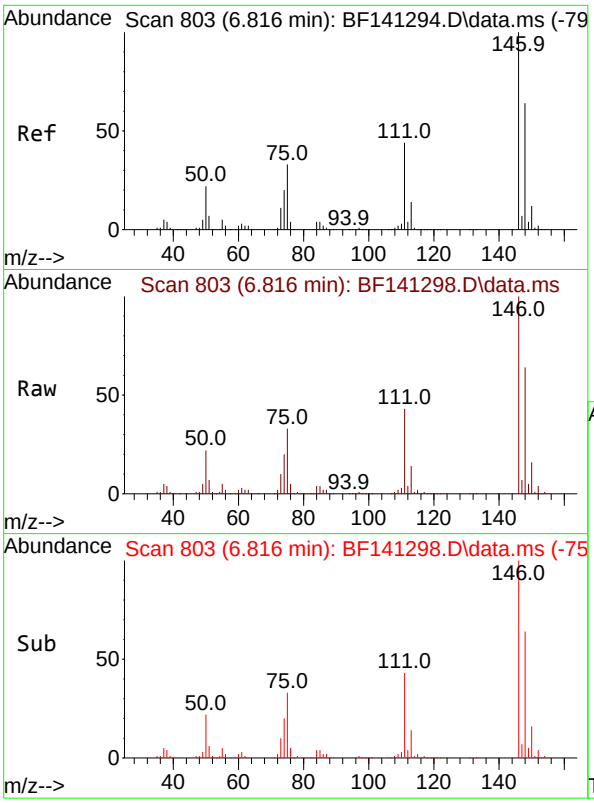


#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 382682

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
75	32.4	26.2	39.4

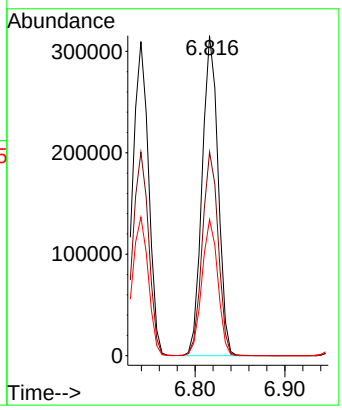




#13
1,4-Dichlorobenzene
Concen: 37.885 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 39059

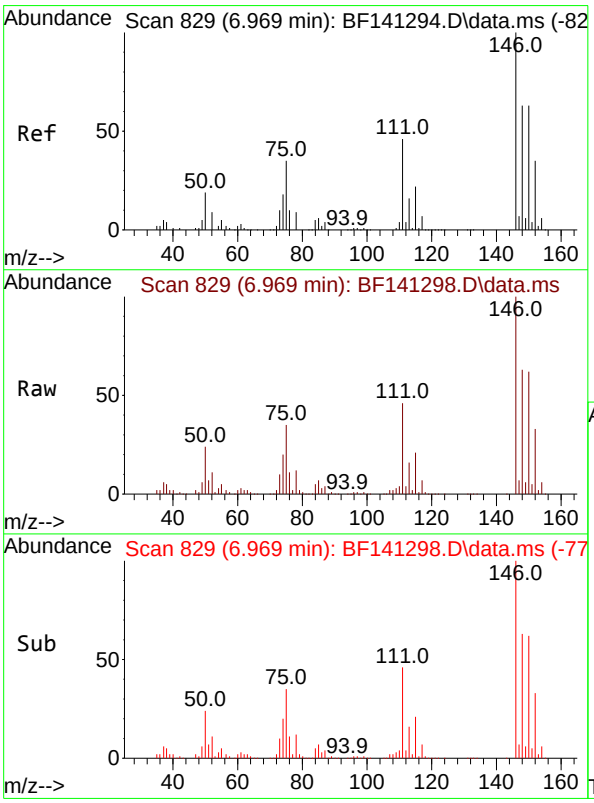
Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
111	42.5	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

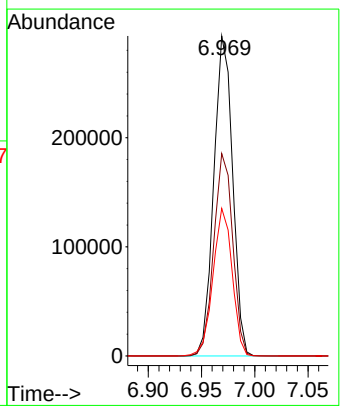
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

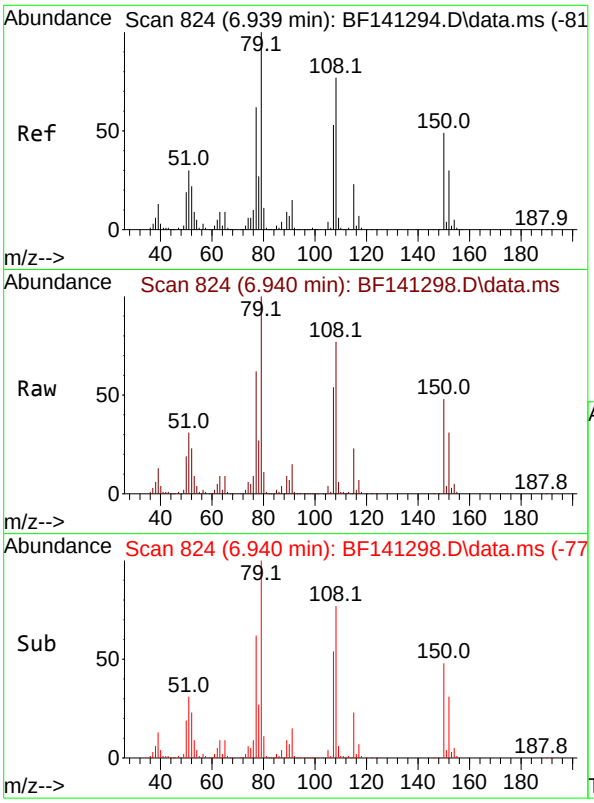


#14
1,2-Dichlorobenzene
Concen: 37.241 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 359529

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	46.1	36.6	55.0

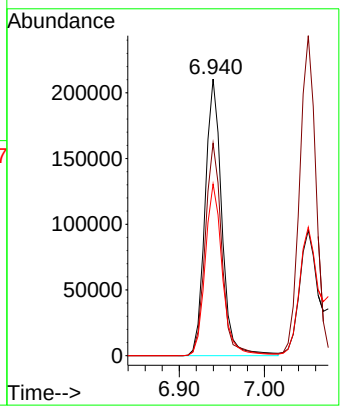




#15
Benzyl Alcohol
Concen: 37.952 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 28651

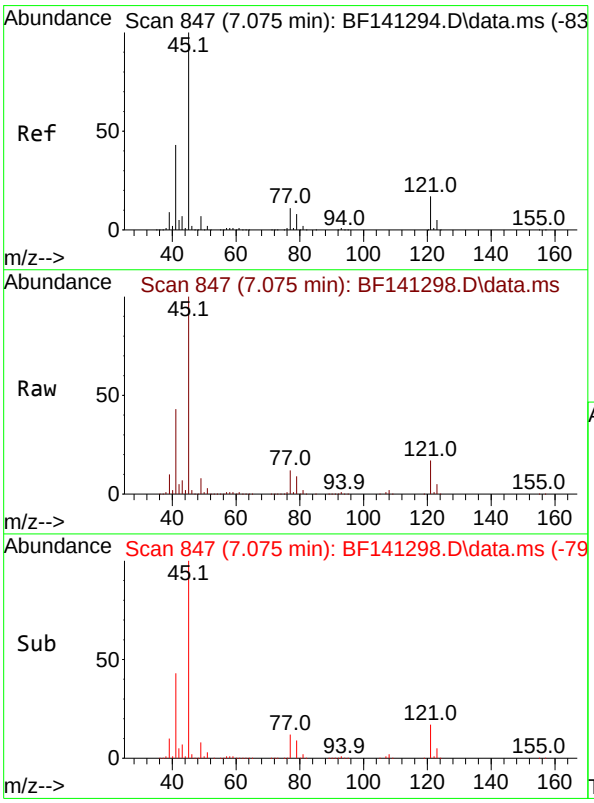
Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.4	92.0
77	62.0	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

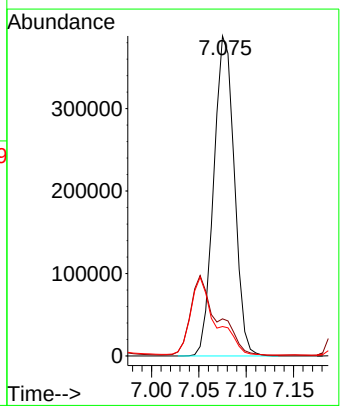
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

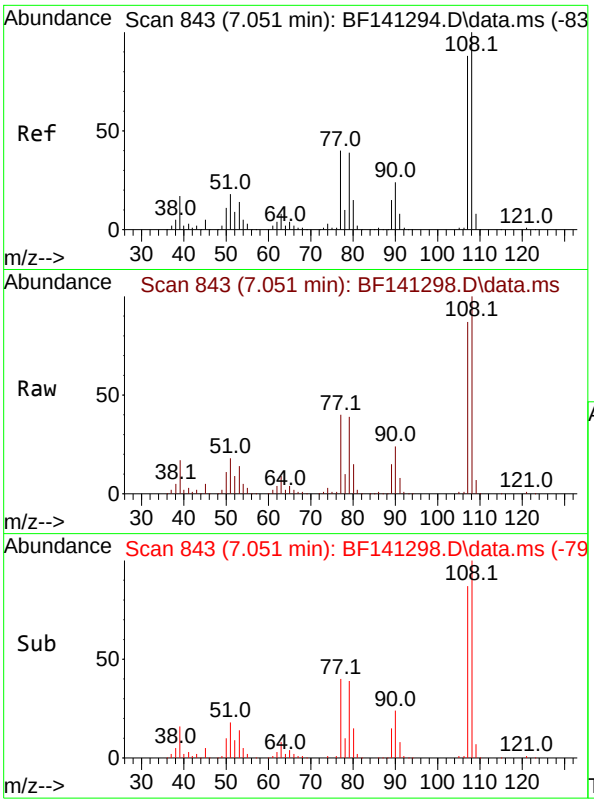


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 45 Resp: 587637

Ion	Ratio	Lower	Upper
45	100		
77	11.6	0.0	31.8
79	9.2	0.0	29.1

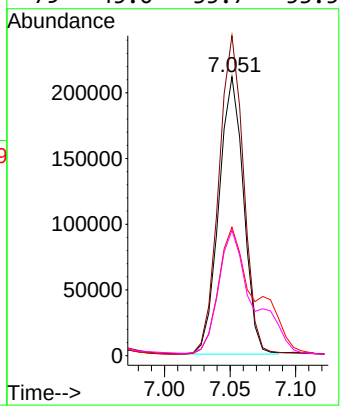




#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 27645

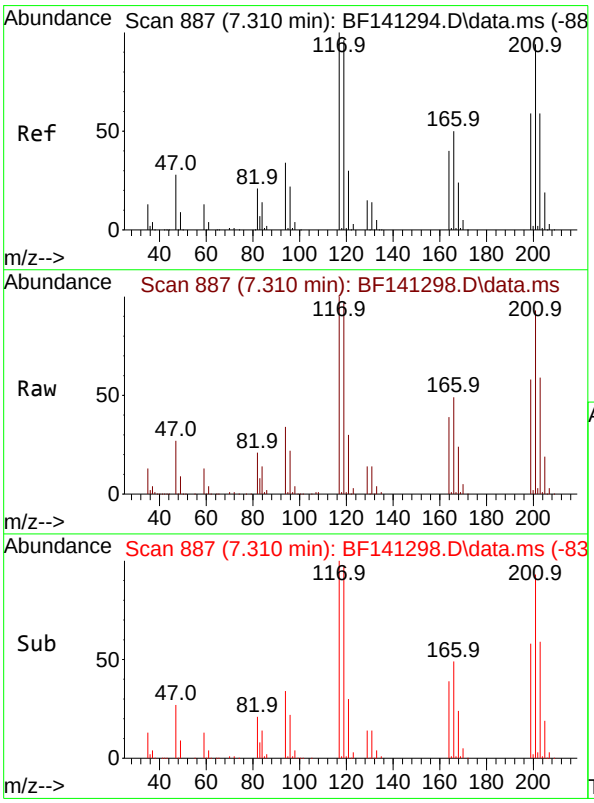
Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.8	136.2
77	46.1	36.2	54.4
79	45.0	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

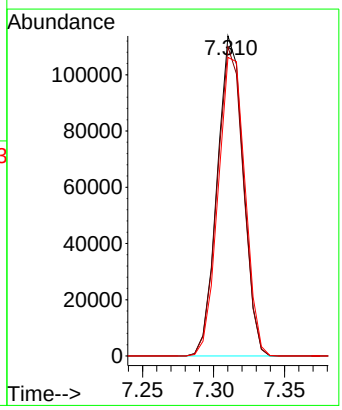
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

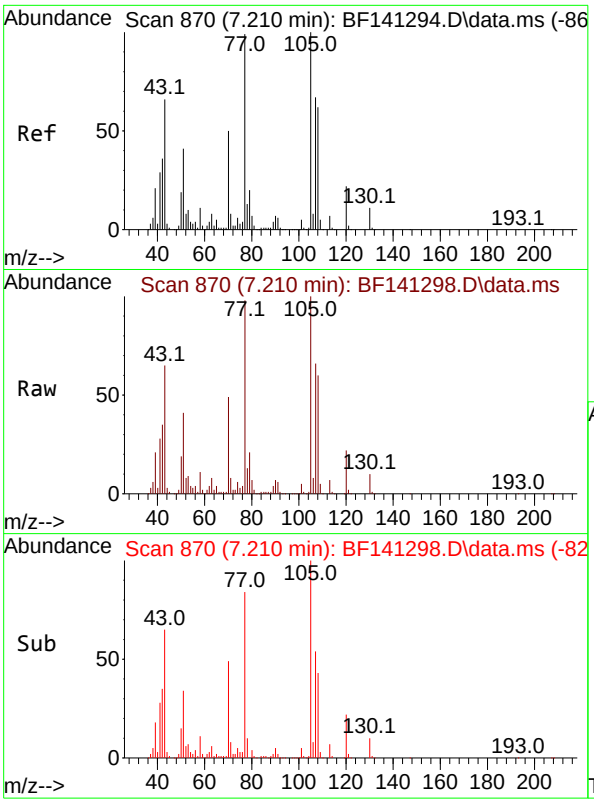


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:117 Resp: 144890

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	114.8
201	93.3	74.8	112.2

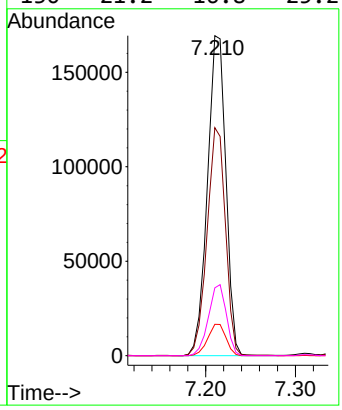




#19
n-Nitroso-di-n-propylamine
Concen: 36.848 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 70 Resp: 24187

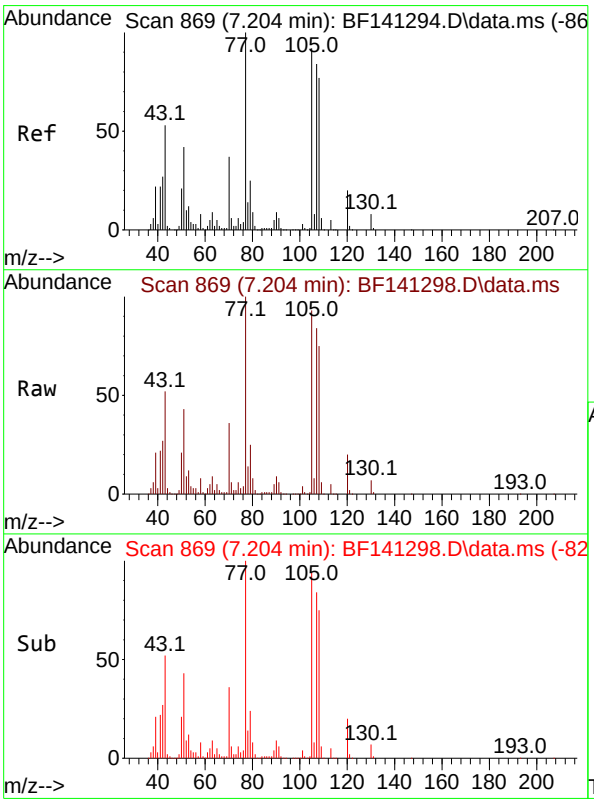
Ion	Ratio	Lower	Upper
70	100		
42	71.3	56.8	85.2
101	9.8	7.7	11.5
130	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

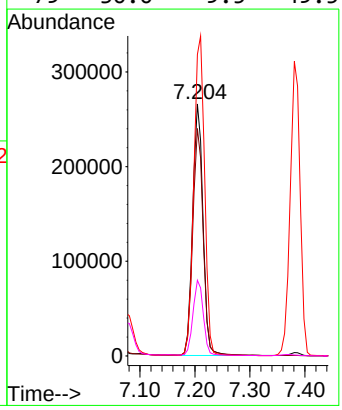
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

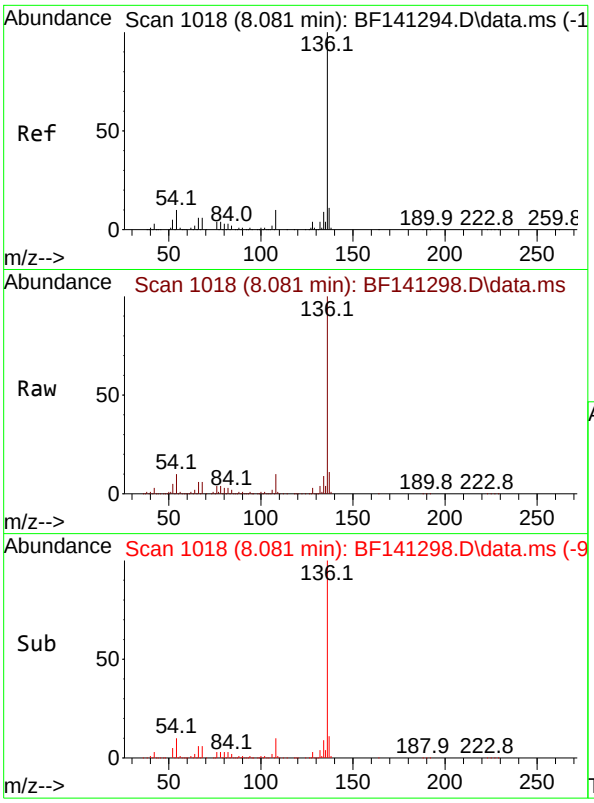


#20
3+4-Methylphenols
Concen: 37.364 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.9	110.9
77	119.7	98.5	138.5
79	30.0	9.5	49.5

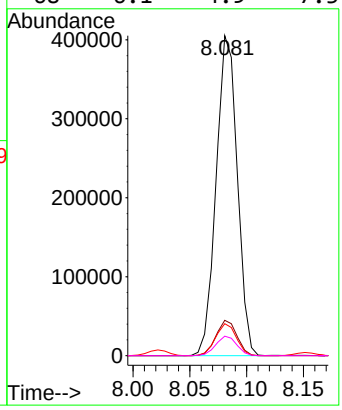




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:136 Resp: 52564

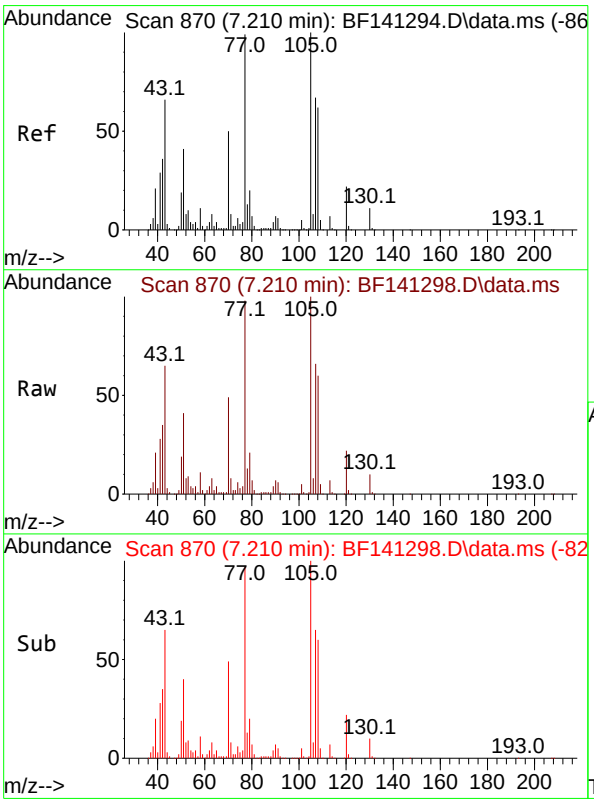
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	7.8	11.8
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

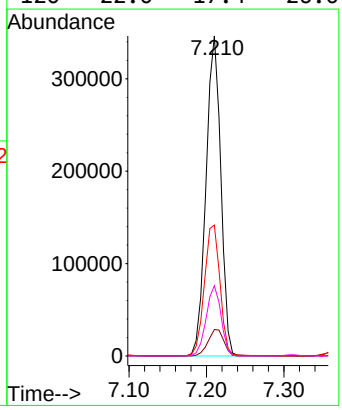
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

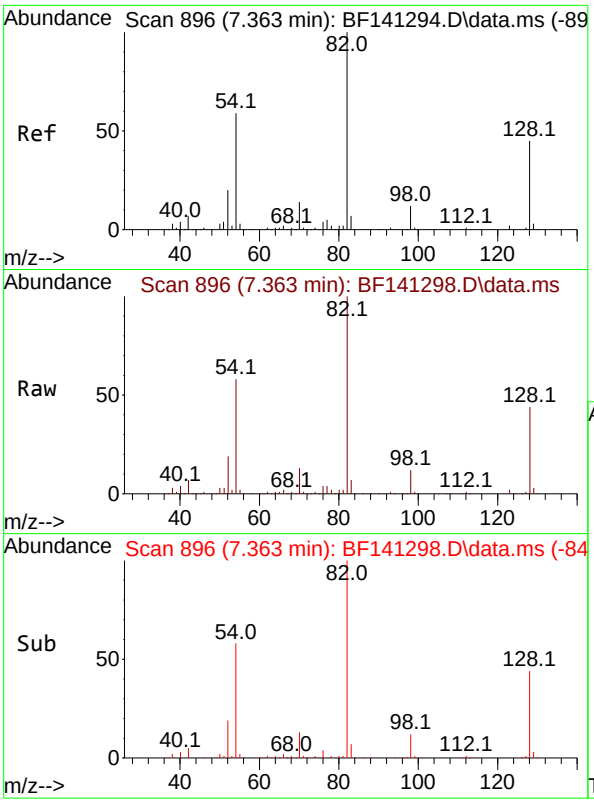


#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.8	10.2
51	40.9	32.6	49.0
120	22.0	17.4	26.0

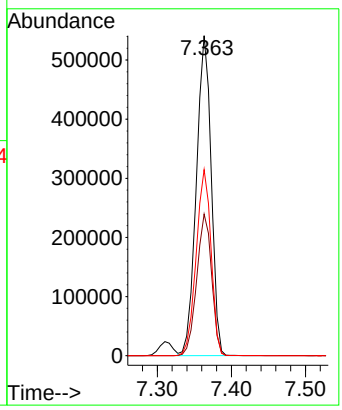




#23
Nitrobenzene-d5
Concen: 75.630 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 75411

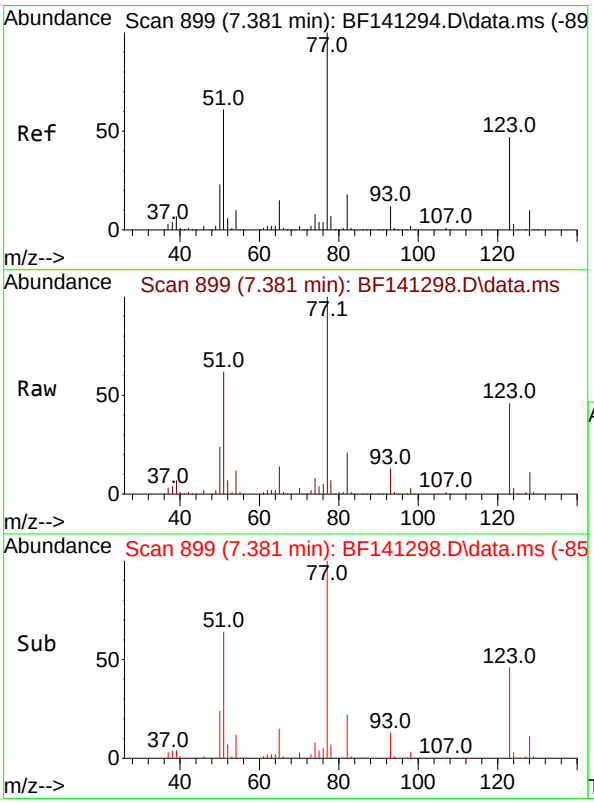
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.2	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

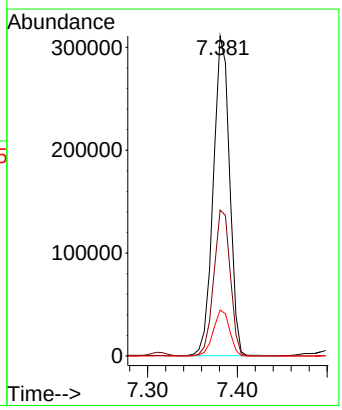
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

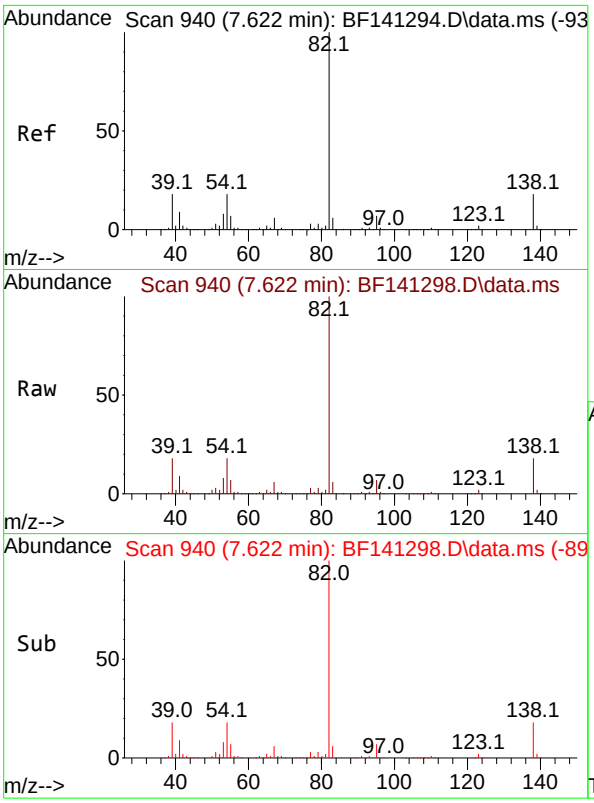


#24
Nitrobenzene
Concen: 37.927 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 391907

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	14.4	11.8	17.6

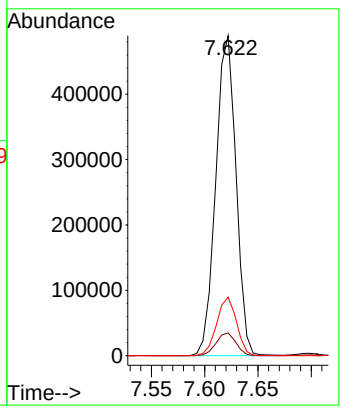




#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 64530

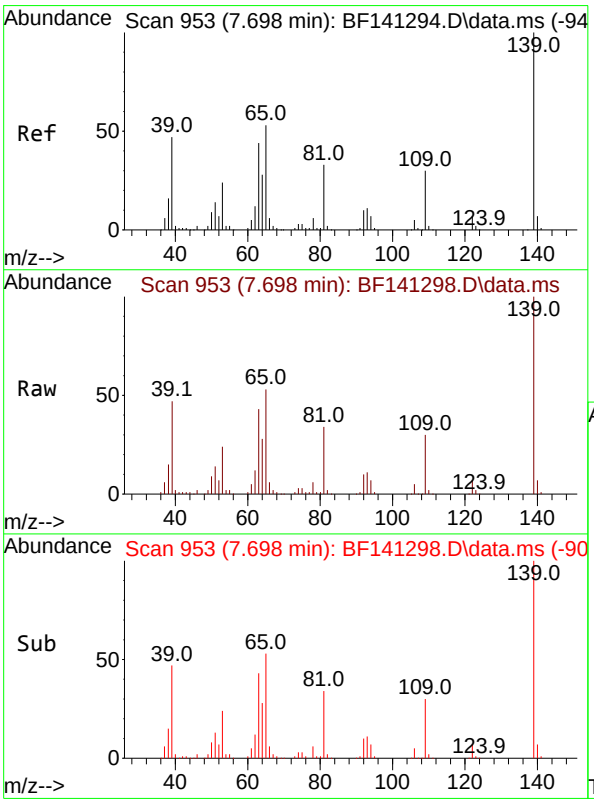
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.3	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

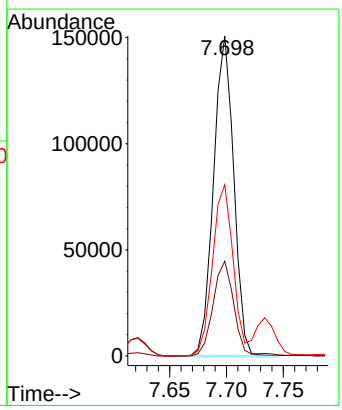
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

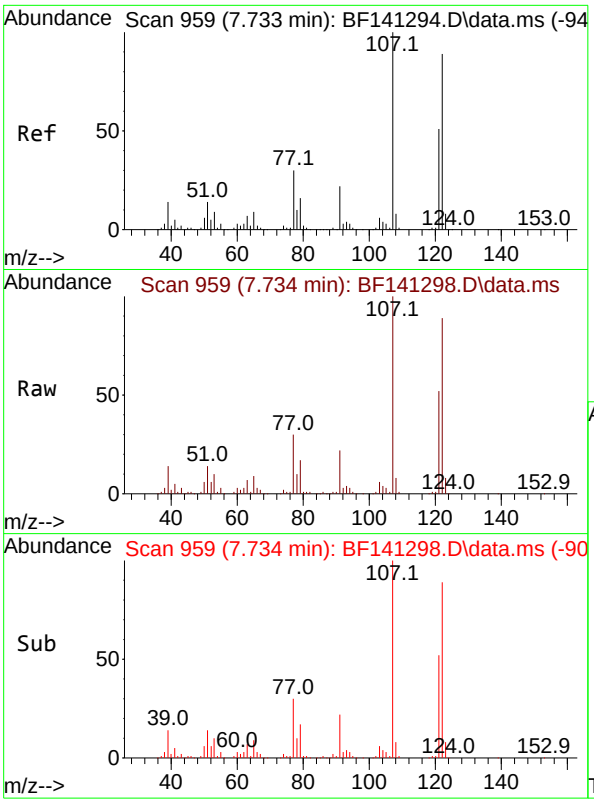


#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592

Ion	Ratio	Lower	Upper
139	100		
109	29.6	23.8	35.6
65	53.5	42.2	63.4

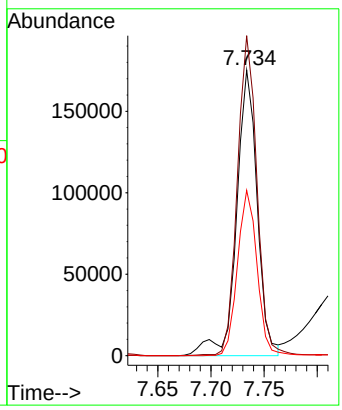




#27
2,4-Dimethylphenol
Concen: 38.055 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 23605

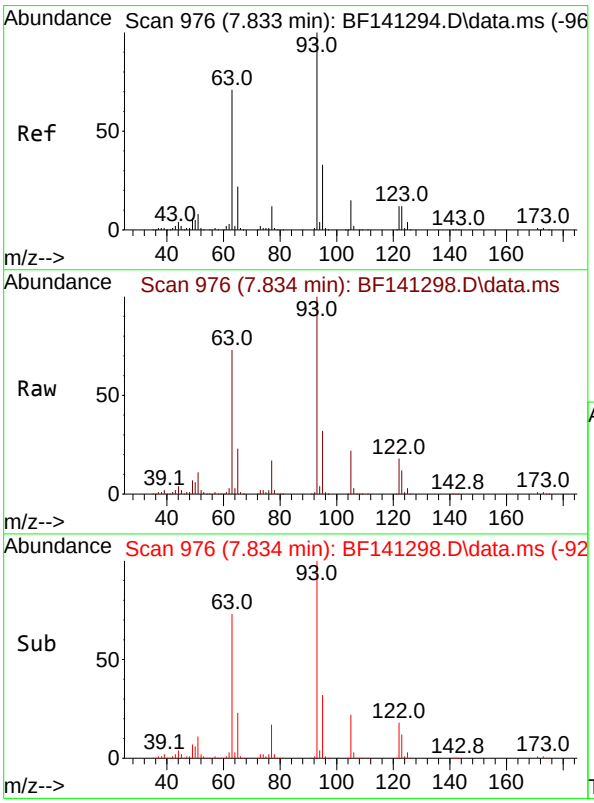
Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	57.9	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

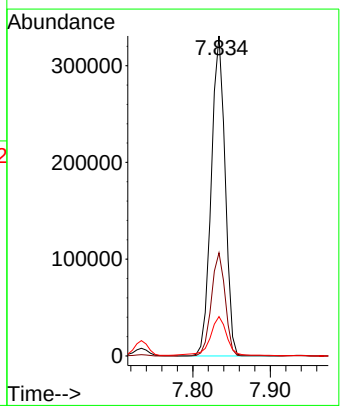
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

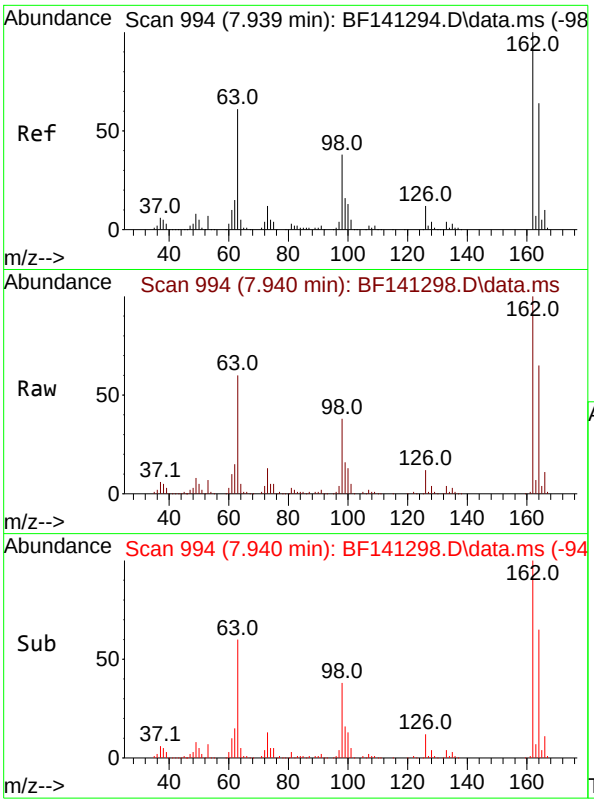


#28
bis(2-Chloroethoxy)methane
Concen: 37.460 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 411851

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.3	10.2	15.4

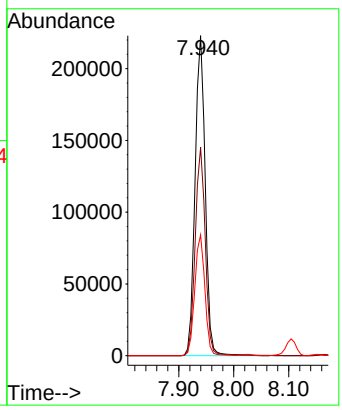




#29
2,4-Dichlorophenol
Concen: 37.675 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 28609

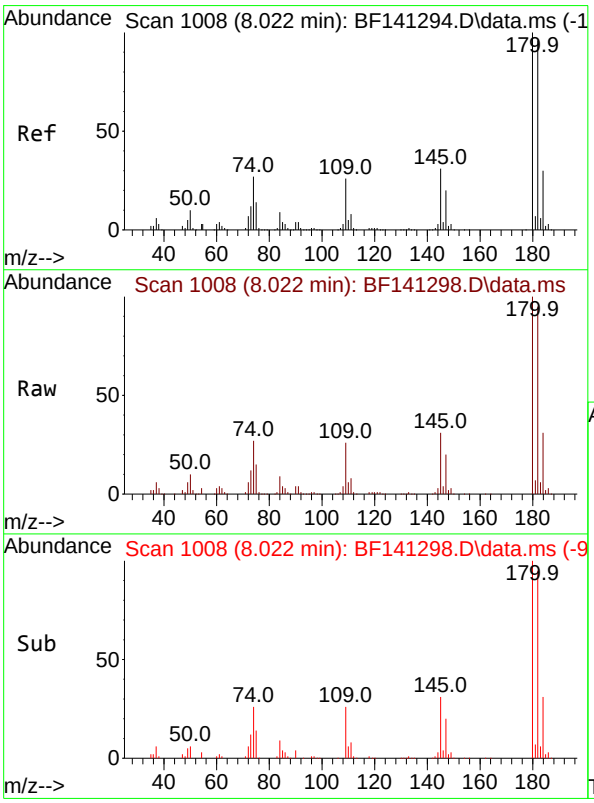
Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.2	84.2
98	37.7	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

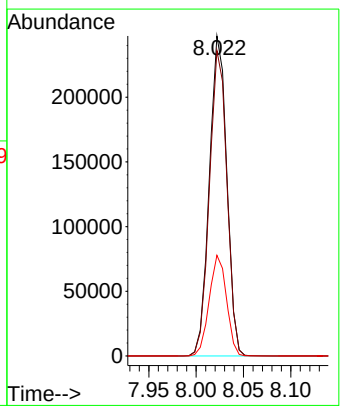
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

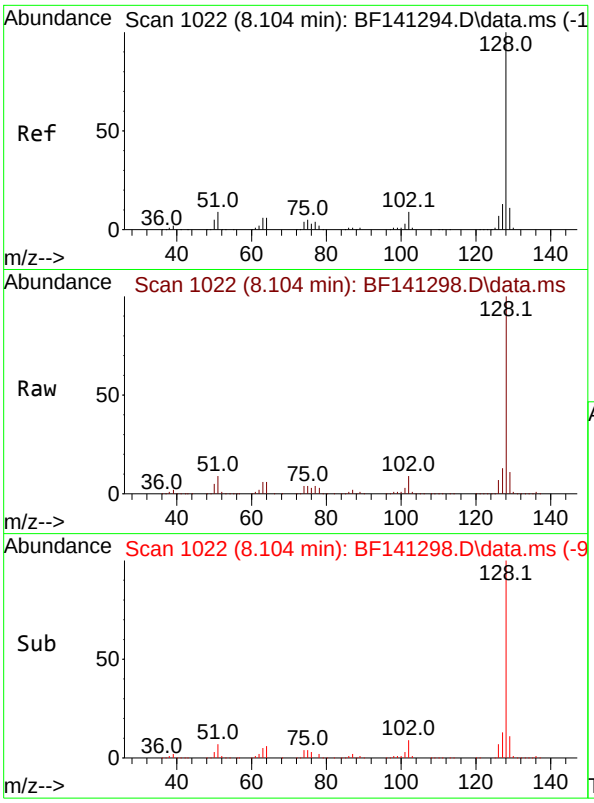


#30
1,2,4-Trichlorobenzene
Concen: 36.488 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:180 Resp: 316431

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	31.4	24.9	37.3

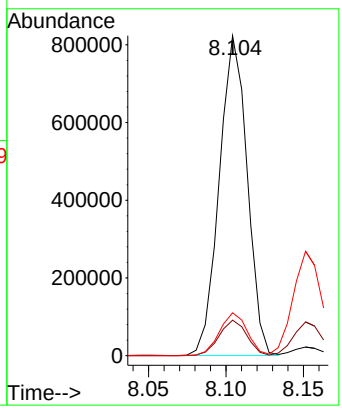




#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 103099

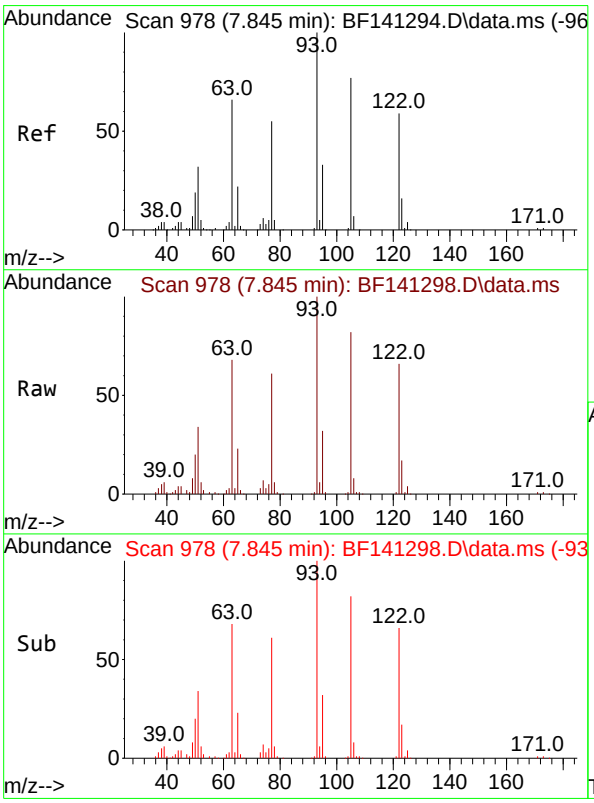
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

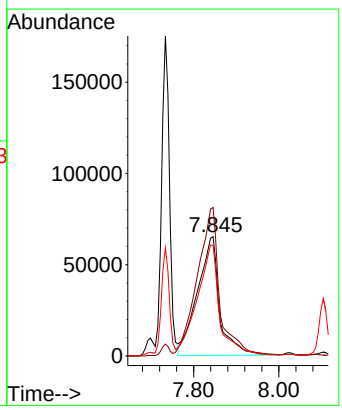
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

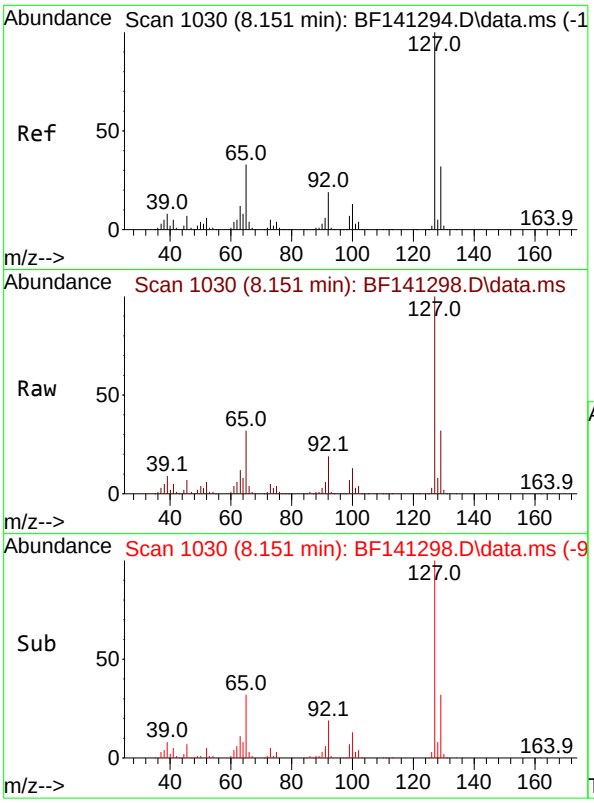


#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 236833

Ion	Ratio	Lower	Upper
122	100		
105	124.7	103.4	143.4
77	92.8	70.9	110.9

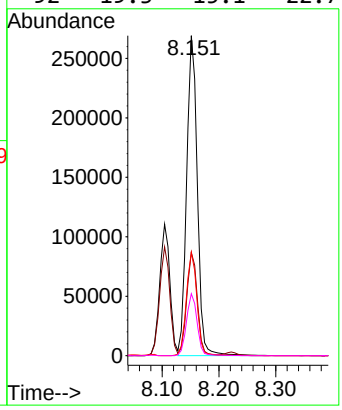




#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:127 Resp: 35042

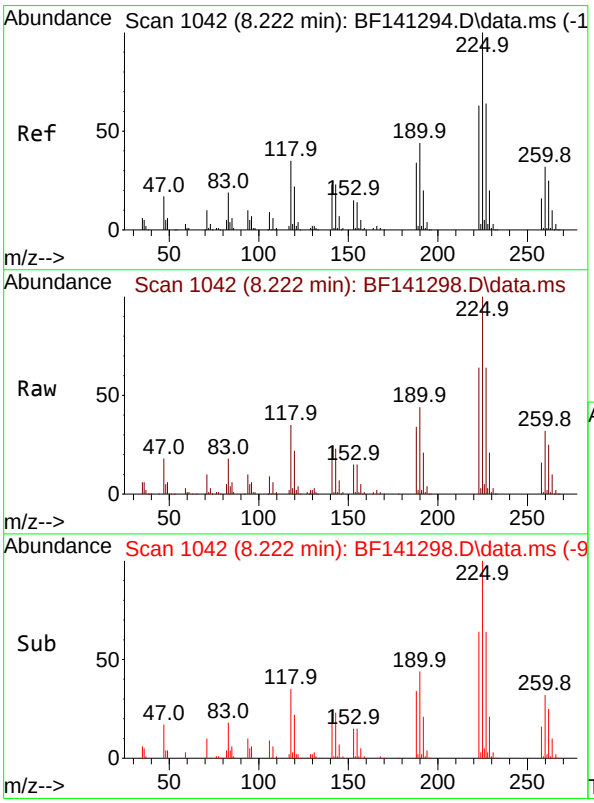
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	32.3	26.4	39.6
92	19.3	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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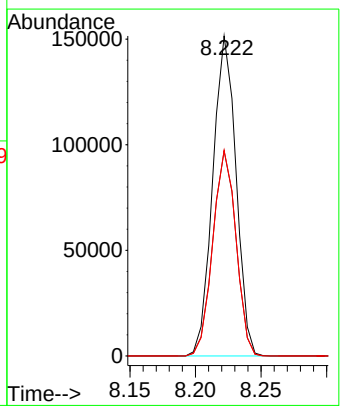
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

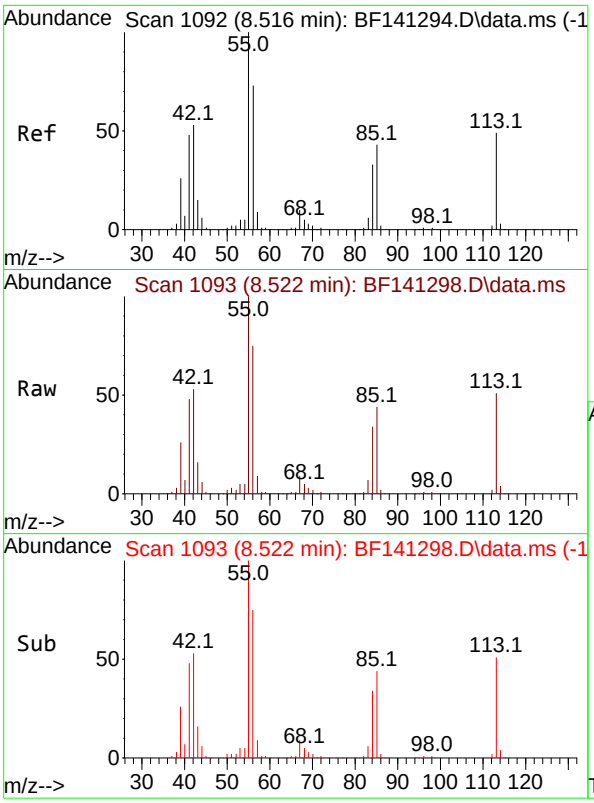


#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:225 Resp: 186523

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.4	75.6
227	64.2	51.3	76.9





#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

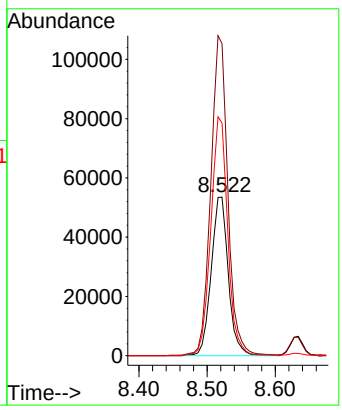
Tgt Ion:113 Resp: 9340

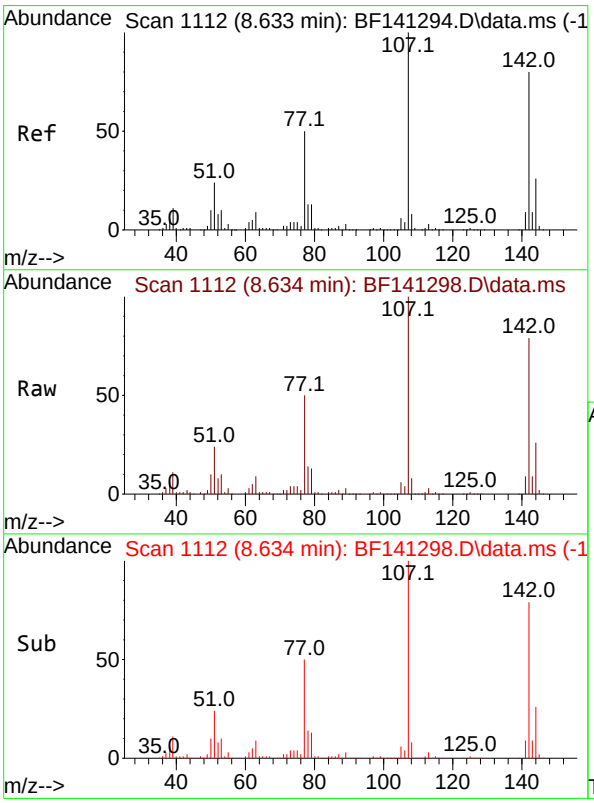
Ion	Ratio	Lower	Upper
113	100		
55	196.8	182.9	222.9
56	146.7	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

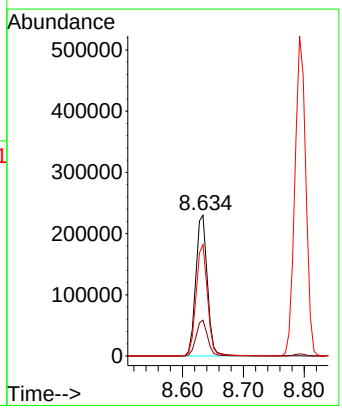


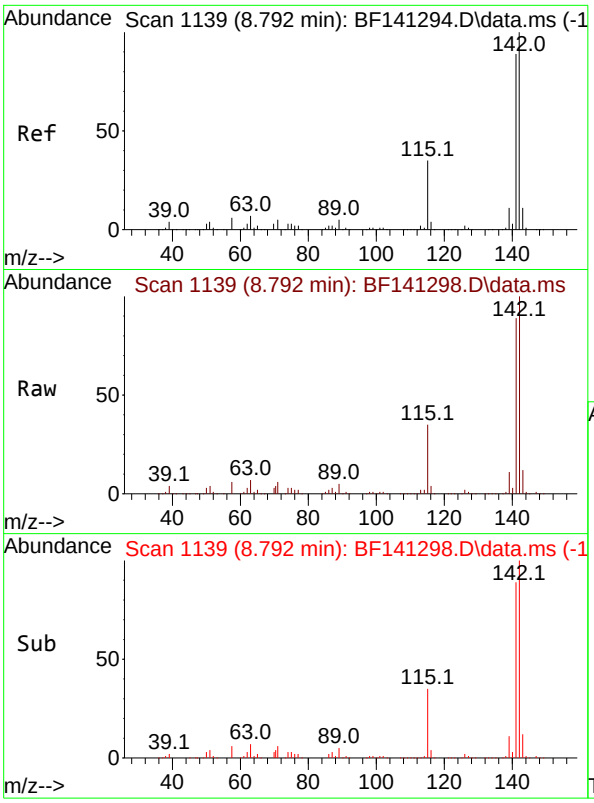


#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 305288

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	79.1	63.8	95.8





#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

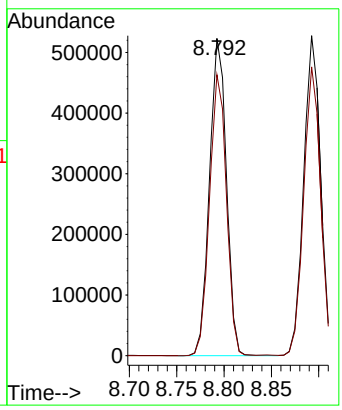
Tgt Ion:142 Resp: 65122

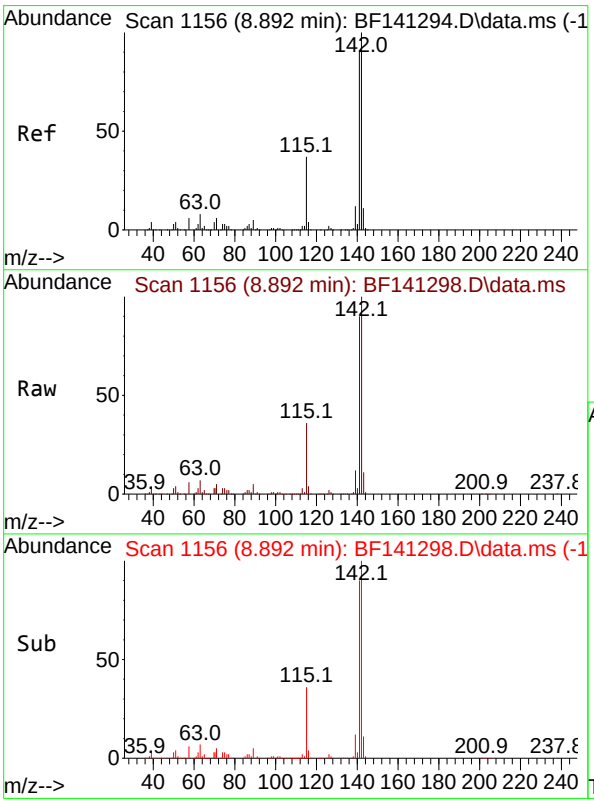
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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Supervised By :mohammad ahmed 02/04/2025

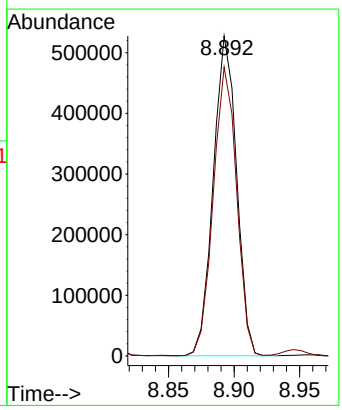


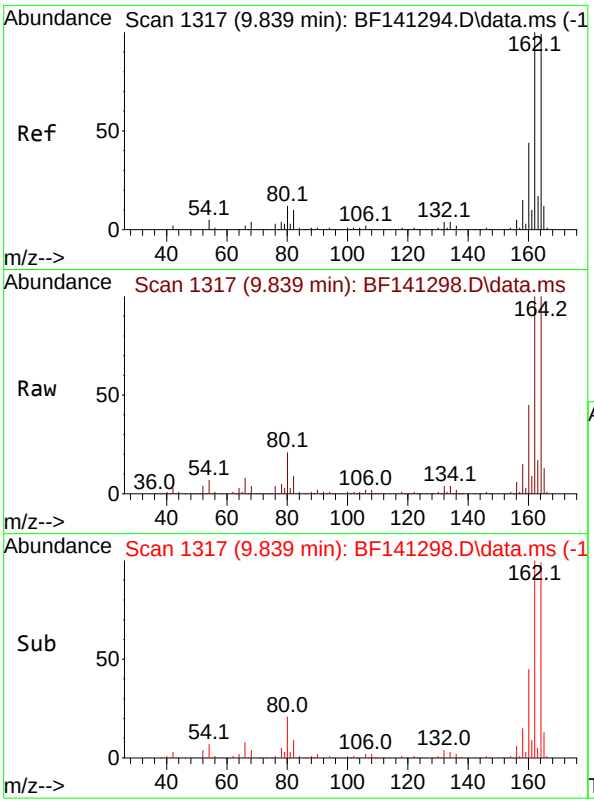


#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.2	109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

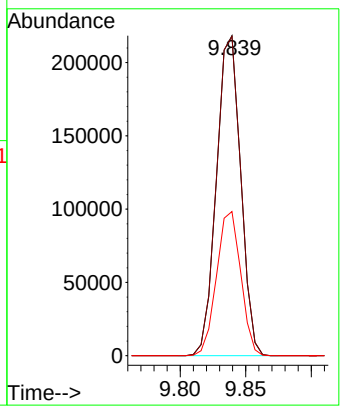
Instrument :
BNA_F
ClientSampleId :
ICVBF012925

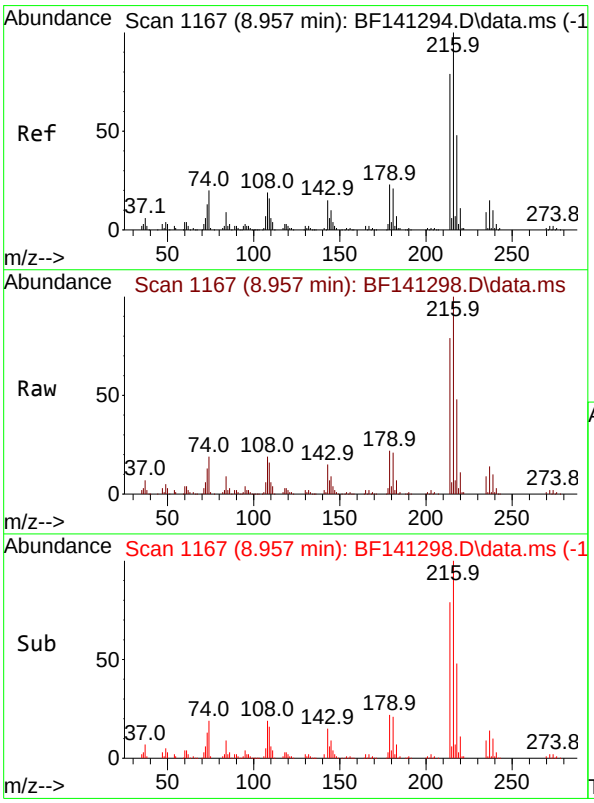
Tgt Ion:164 Resp: 27976

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	45.1	35.8	53.6

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

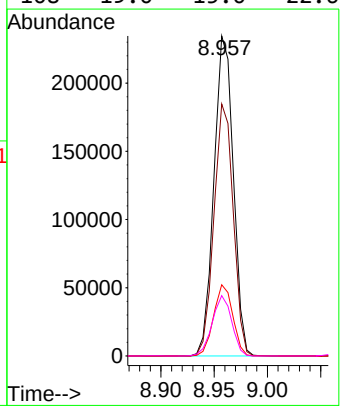


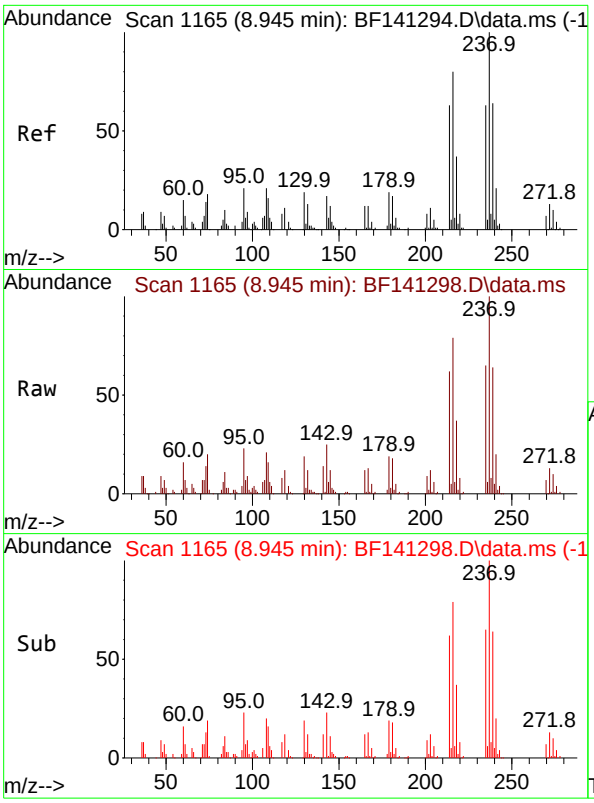


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.226 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:216 Resp: 296277

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	22.0	17.8	26.8
108	19.0	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 39.961 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

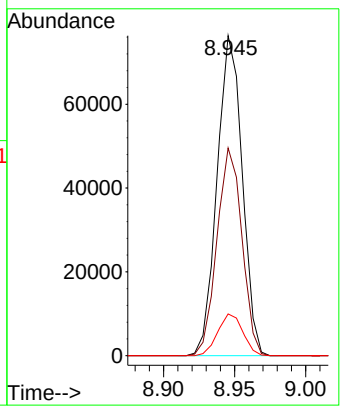
Tgt Ion:237 Resp: 9393

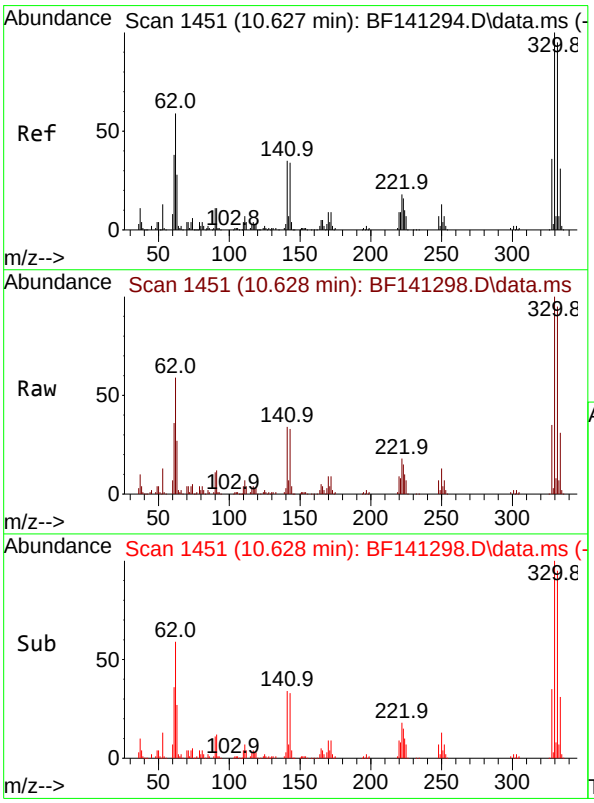
Ion	Ratio	Lower	Upper
237	100		
235	64.9	42.9	82.9
272	13.1	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

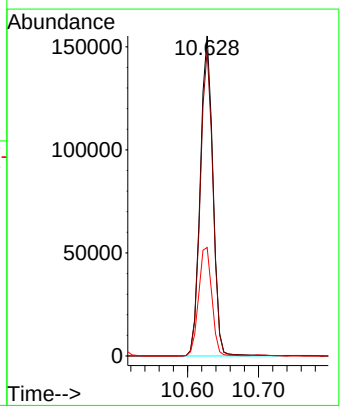


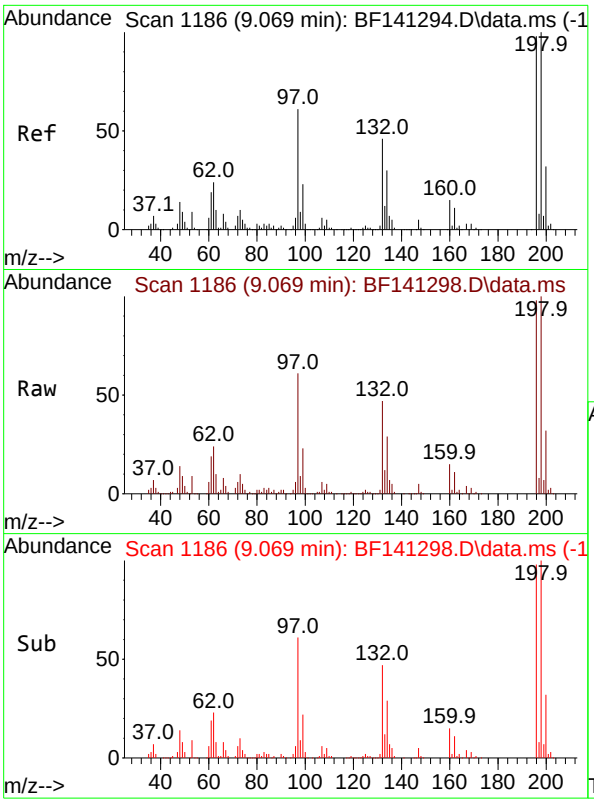


#42
2,4,6-Tribromophenol
Concen: 75.161 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:330 Resp: 192773

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.1	114.1
141	35.5	28.8	43.2

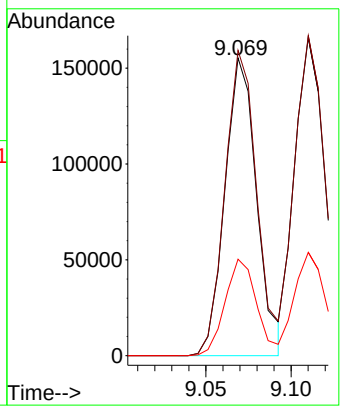




#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 20121

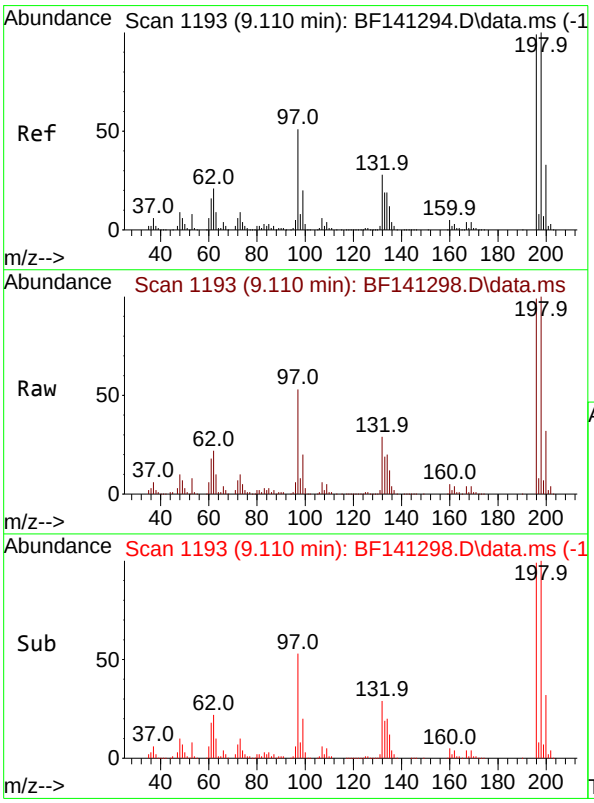
Ion	Ratio	Lower	Upper
196	100		
198	102.5	81.8	122.6
200	32.4	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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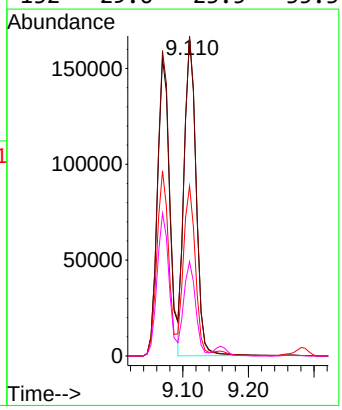
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

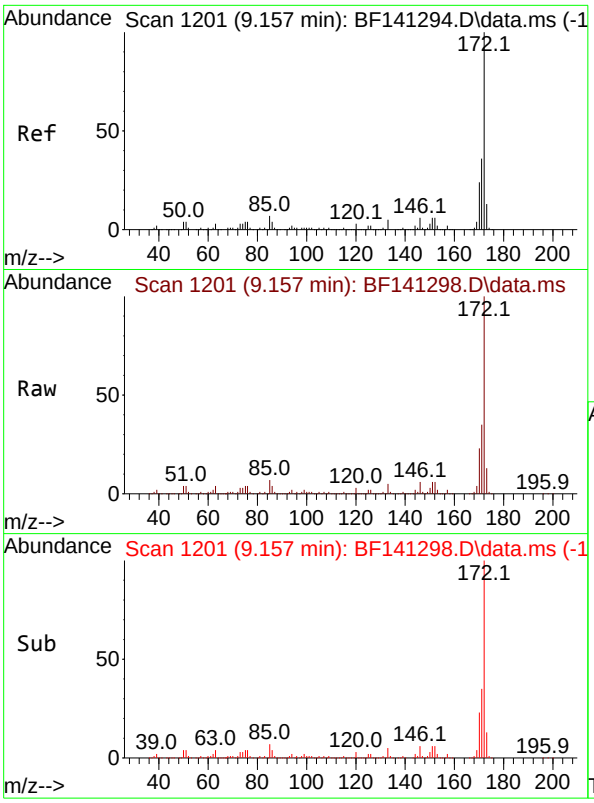


#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 209611

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
97	53.3	42.8	64.2
132	29.6	23.5	35.3

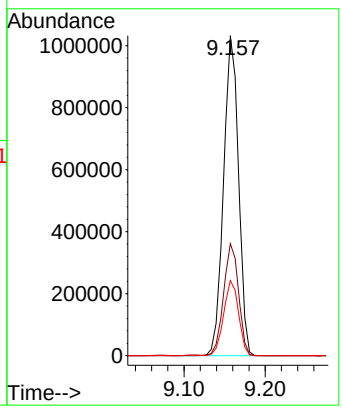




#45
2-Fluorobiphenyl
Concen: 72.938 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:172 Resp: 132572

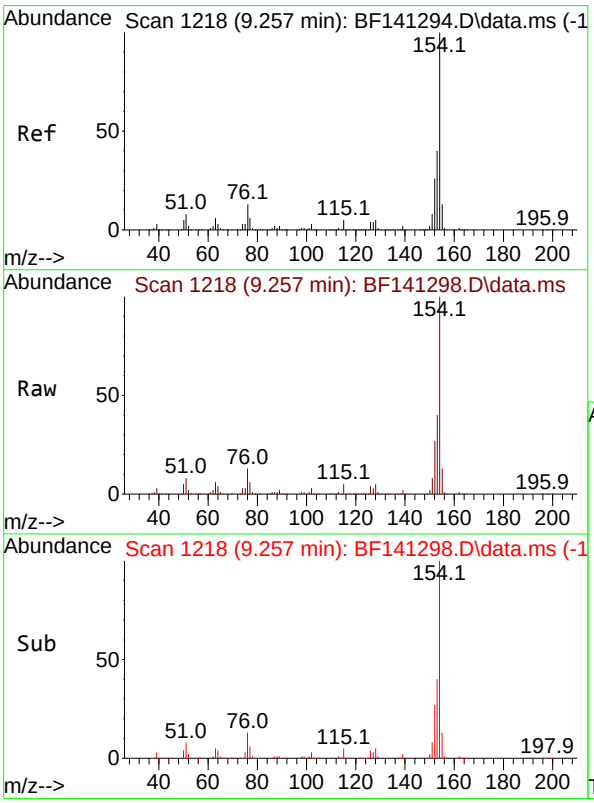
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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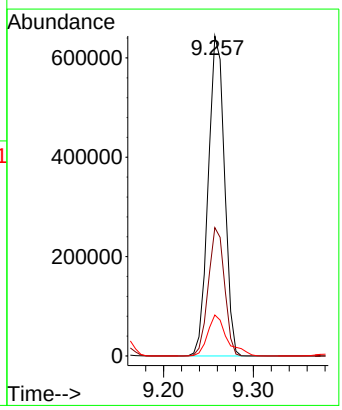
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

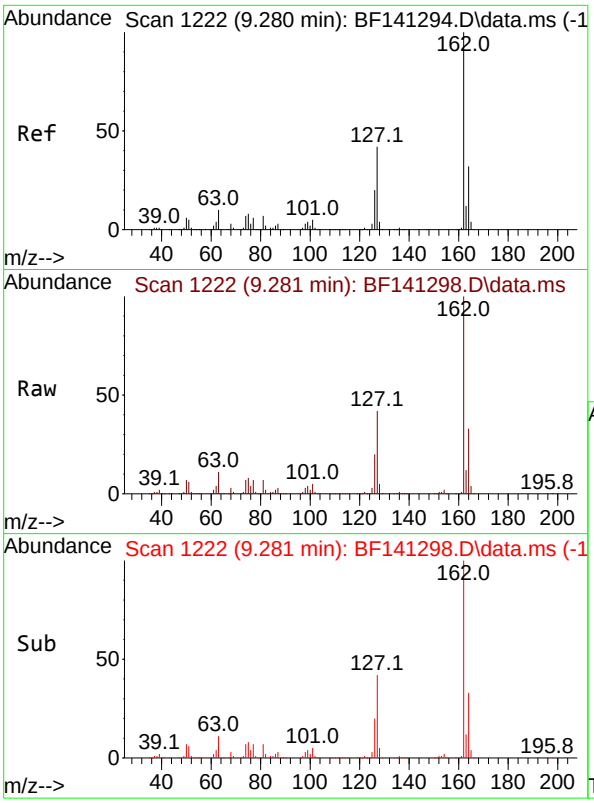


#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 809694

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.8	0.0	32.8

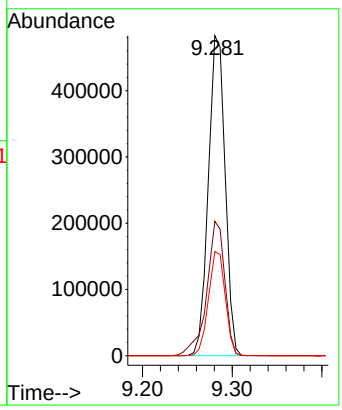




#47
2-Chloronaphthalene
Concen: 36.837 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 62645

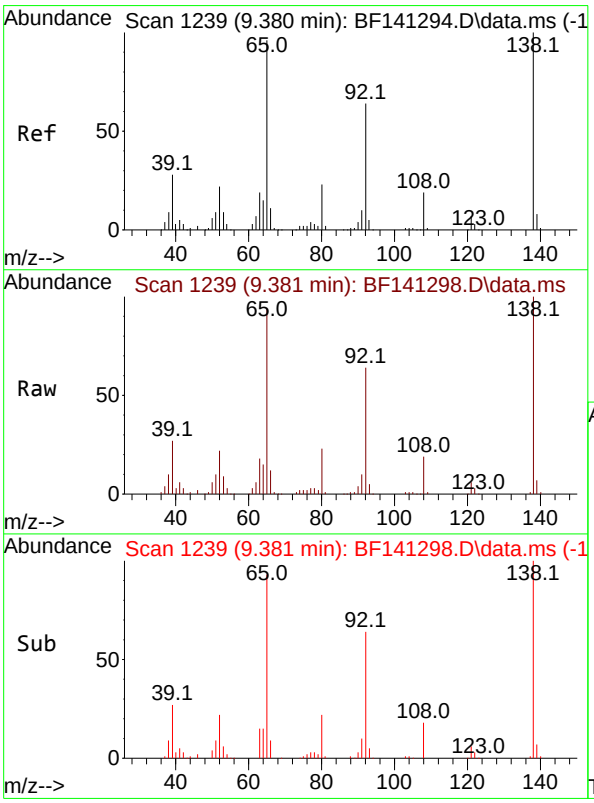
Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.7	50.5
164	32.5	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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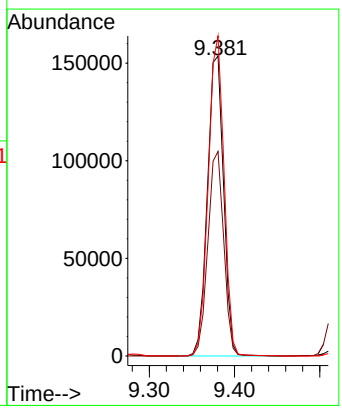
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

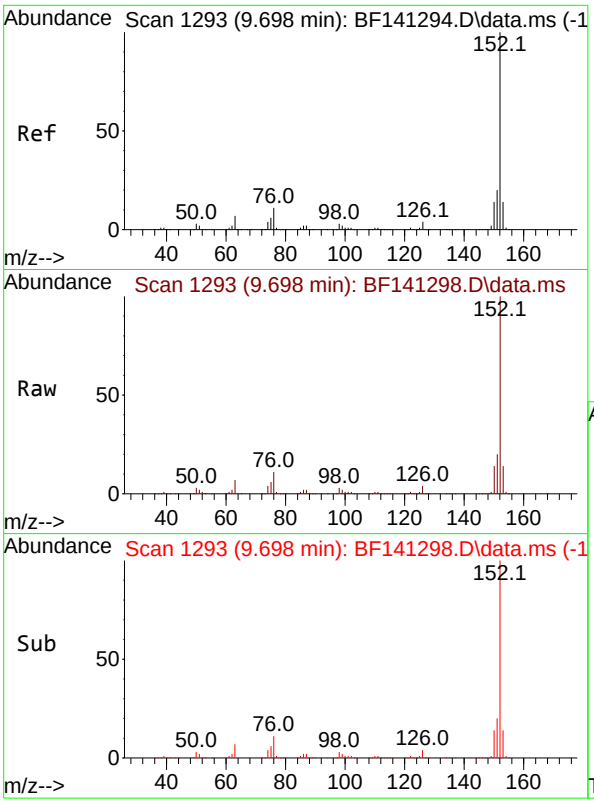


#48
2-Nitroaniline
Concen: 37.970 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104

Ion	Ratio	Lower	Upper
65	100		
92	68.1	53.3	79.9
138	106.7	83.6	125.4

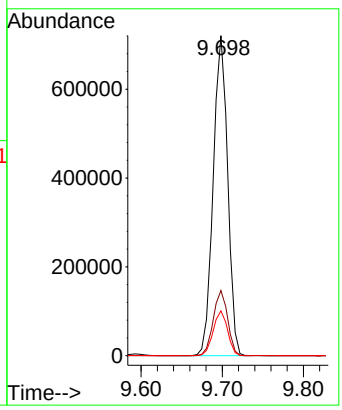




#49
Acenaphthylene
Concen: 37.416 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 89070

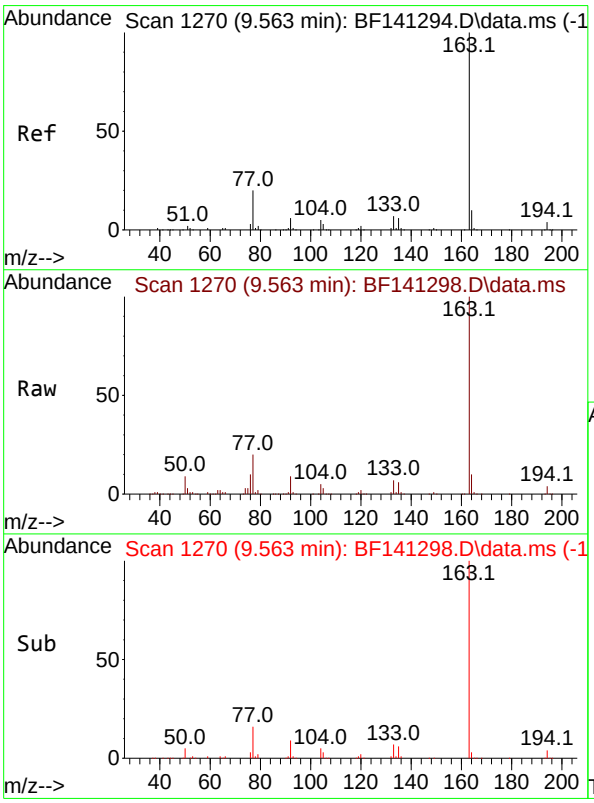
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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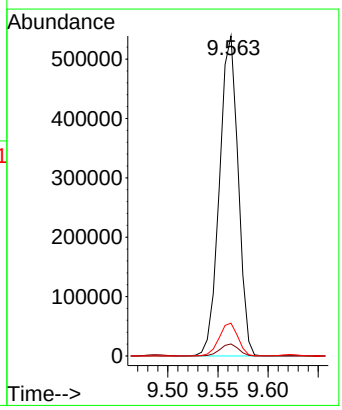
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

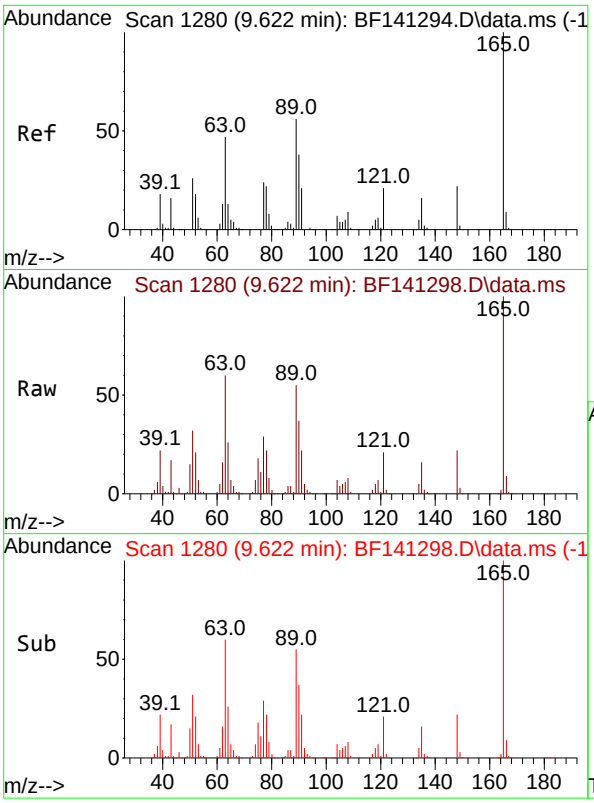


#50
Dimethylphthalate
Concen: 36.904 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:163 Resp: 697300

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0

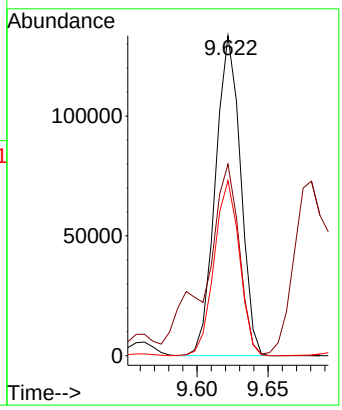




#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 16434

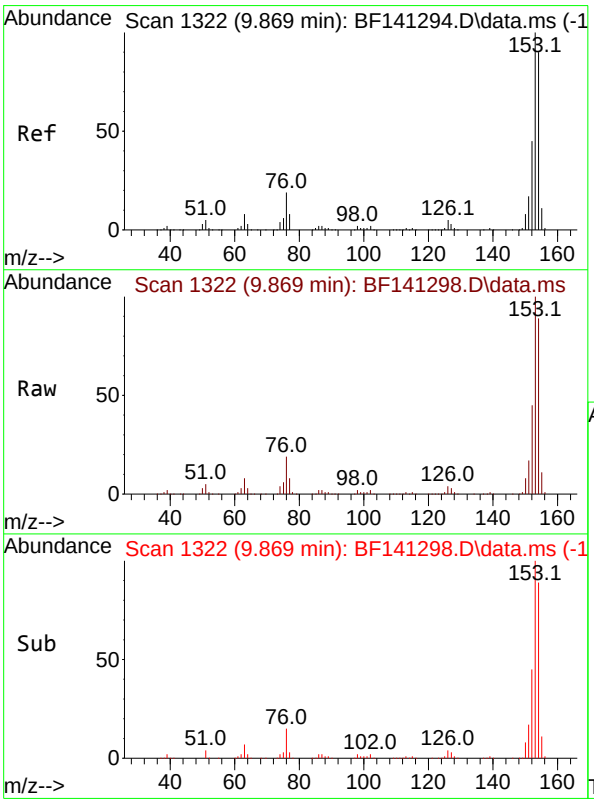
Ion	Ratio	Lower	Upper
165	100		
63	59.9	48.1	72.1
89	54.7	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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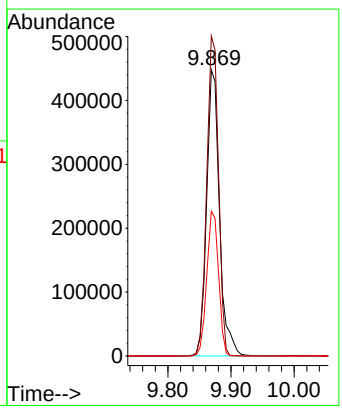
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

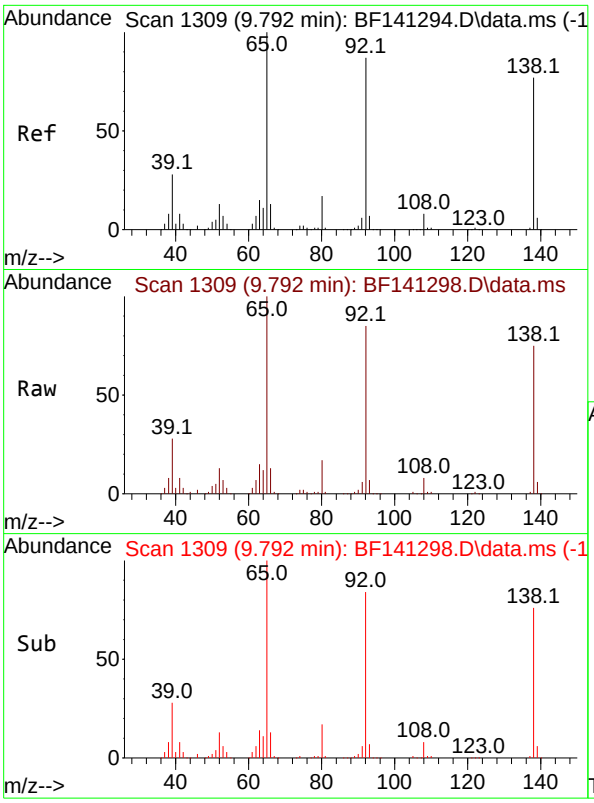


#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 632756

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.6	40.2	60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

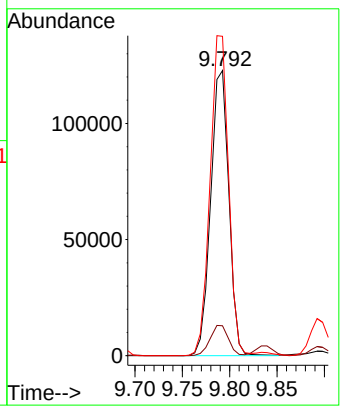
Tgt Ion:138 Resp: 16404

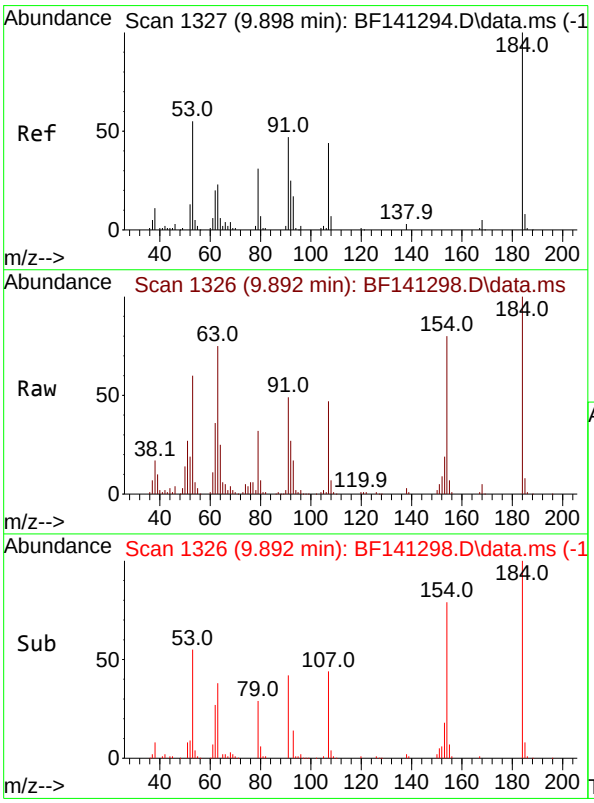
Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	112.1	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

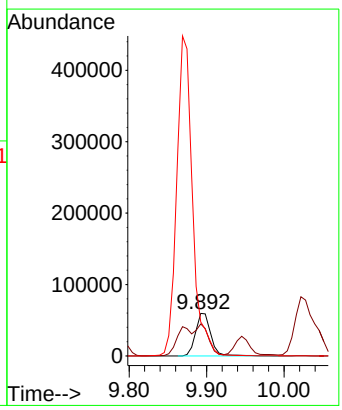


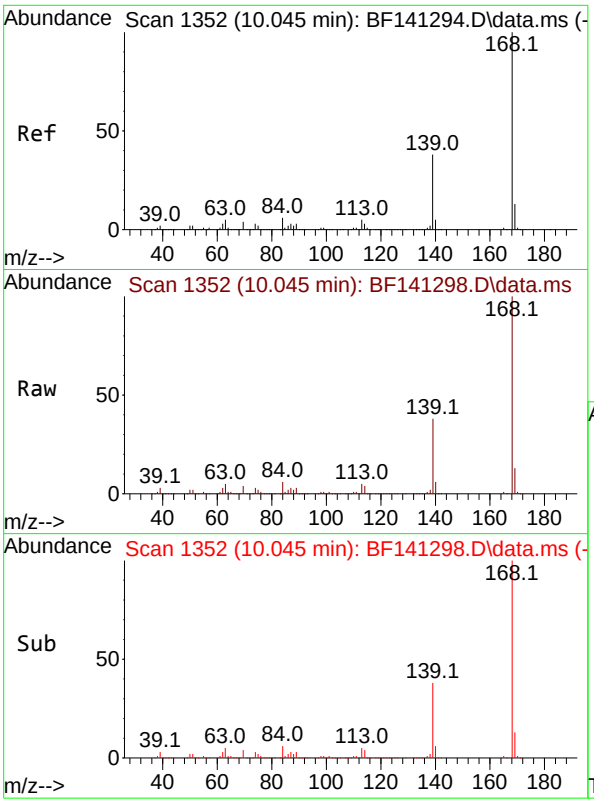


#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034

Ion	Ratio	Lower	Upper
184	100		
63	75.3	54.1	81.1
154	79.6	50.7	76.1#

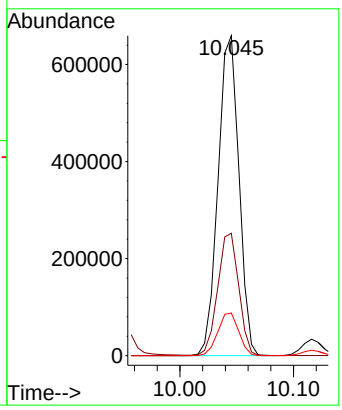




#55
Dibenzofuran
Concen: 37.012 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:168 Resp: 84255

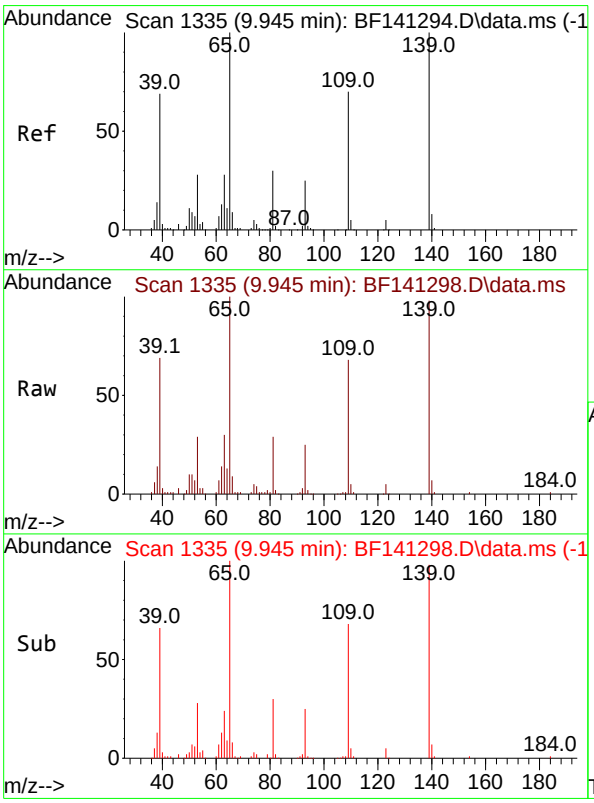
Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.6	46.0
169	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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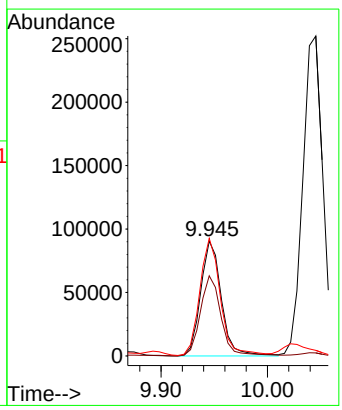
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

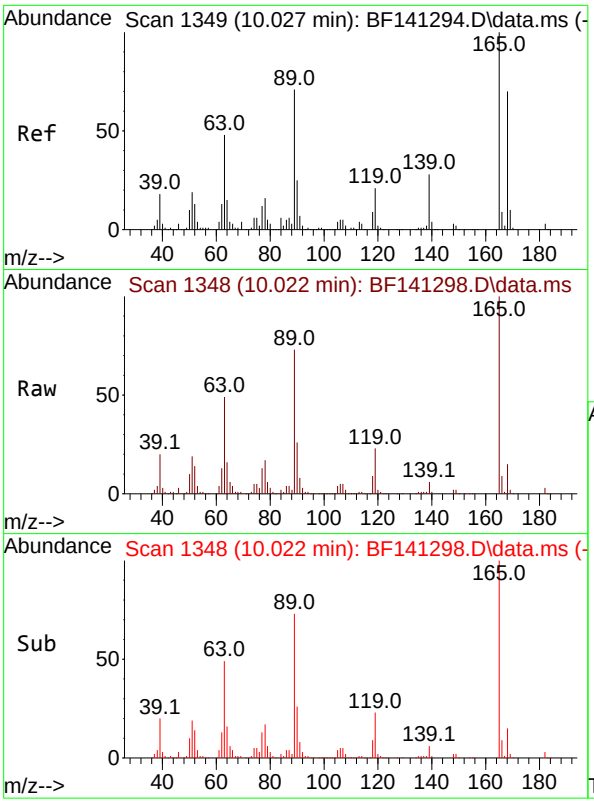


#56
4-Nitrophenol
Concen: 39.089 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 122925

Ion	Ratio	Lower	Upper
139	100		
109	69.7	50.2	90.2
65	102.4	80.6	120.6

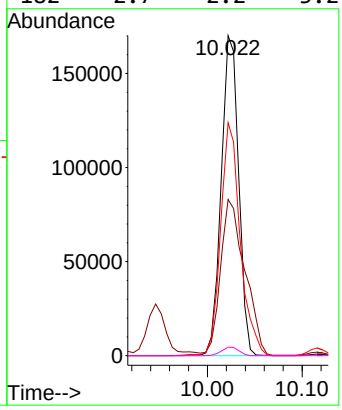




#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 21770

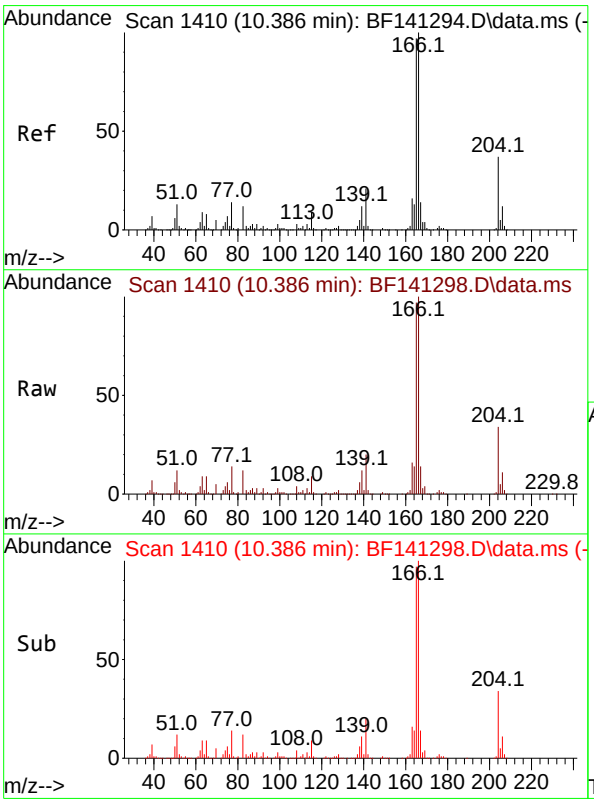
Ion	Ratio	Lower	Upper
165	100		
63	48.8	39.2	58.8
89	72.8	56.9	85.3
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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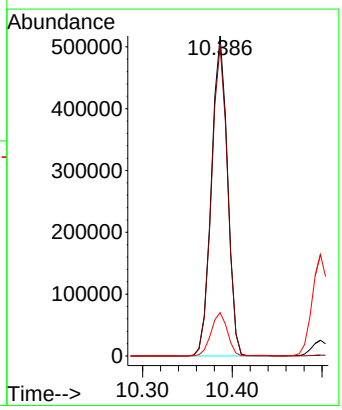
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

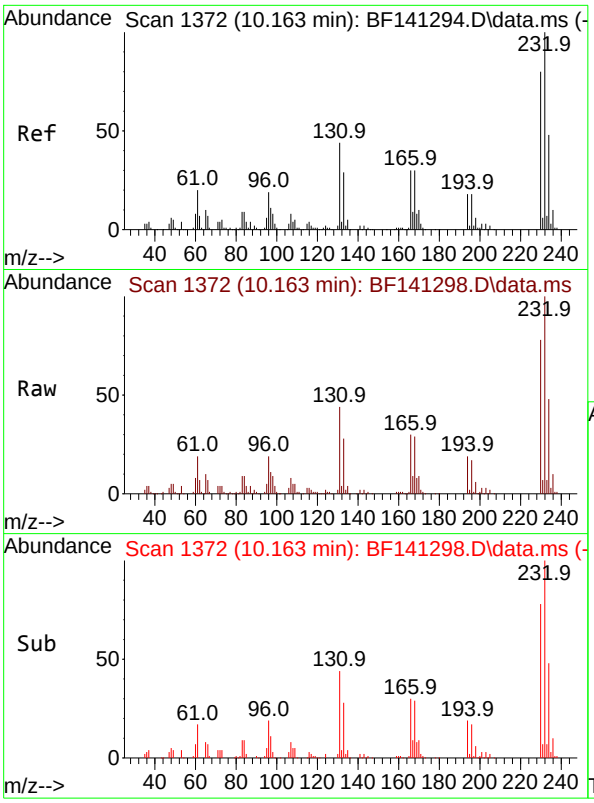


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:166 Resp: 643639

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3

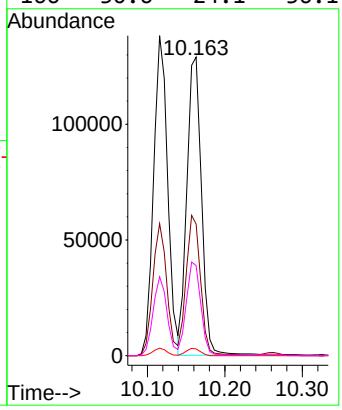




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:232 Resp: 16906

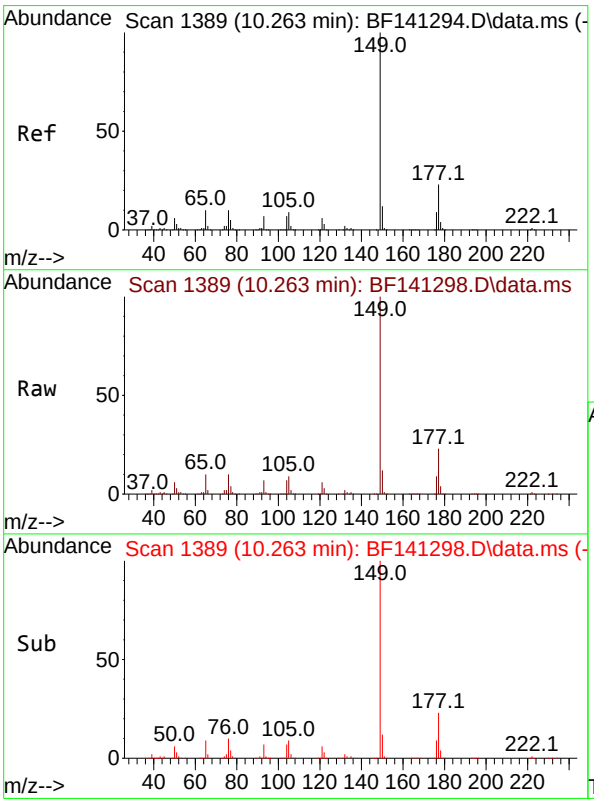
Ion	Ratio	Lower	Upper
232	100		
131	46.5	36.4	54.6
130	2.4	1.9	2.9
166	30.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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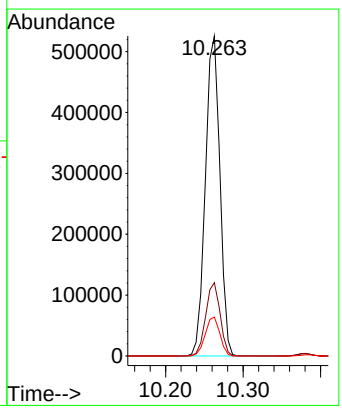
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

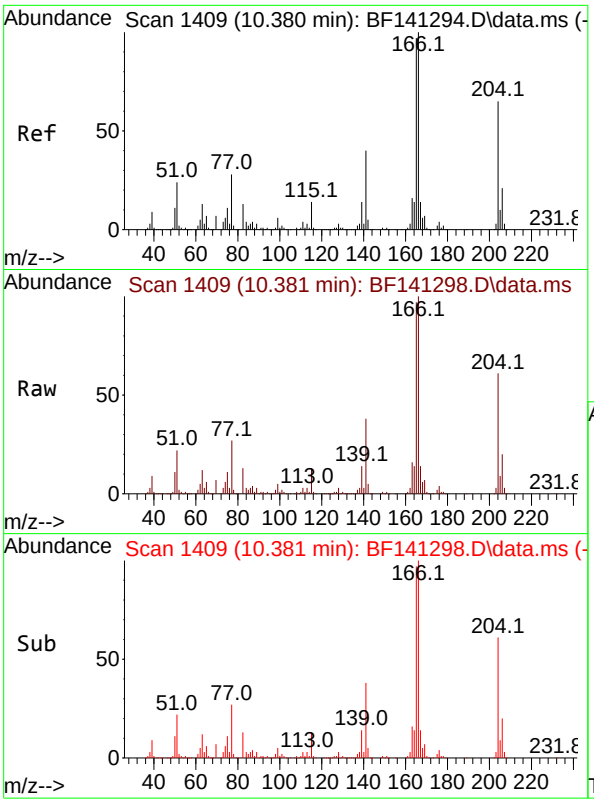


#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 683674

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

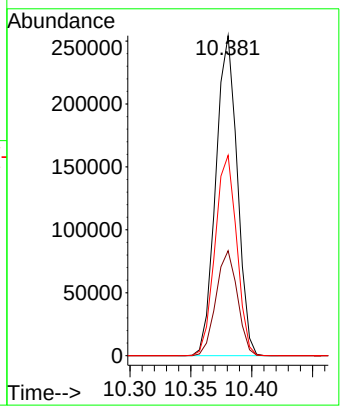
Tgt Ion:204 Resp: 31206

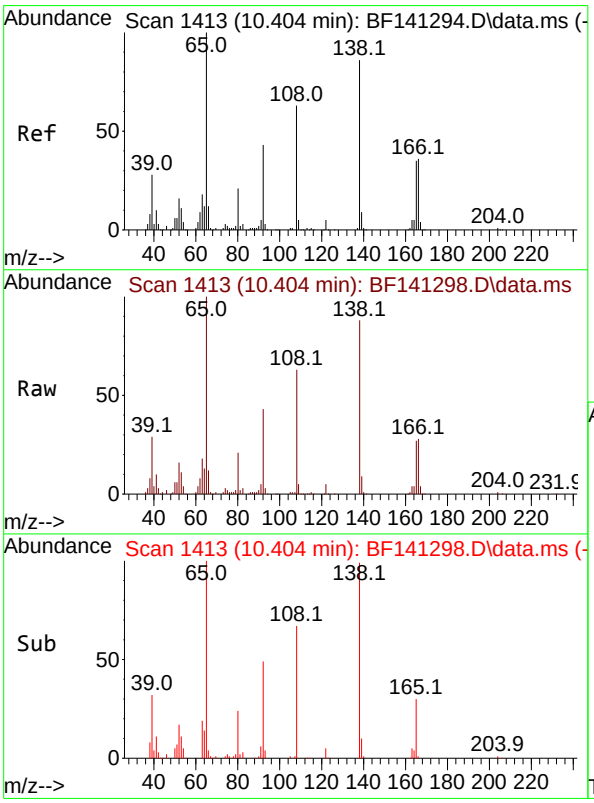
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	62.6	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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Supervised By :mohammad ahmed 02/04/2025

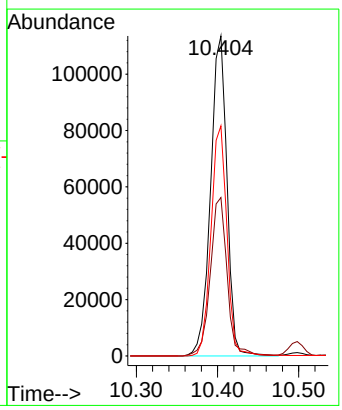


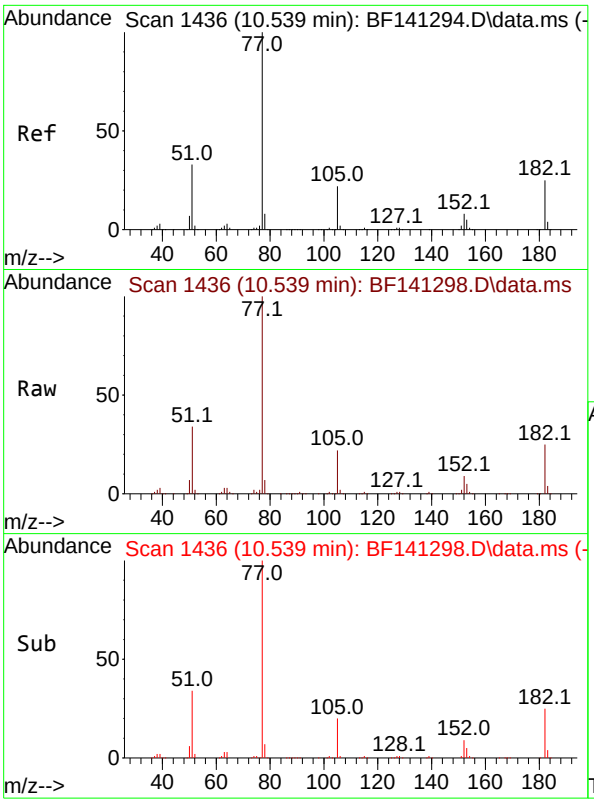


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:138 Resp: 159227

Ion	Ratio	Lower	Upper
138	100		
92	49.5	30.1	70.1
108	71.9	53.1	93.1





#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

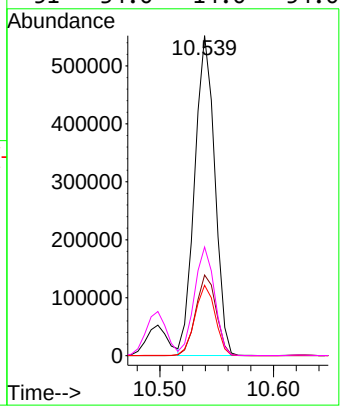
Instrument :
BNA_F
ClientSampleId :
ICVBF012925

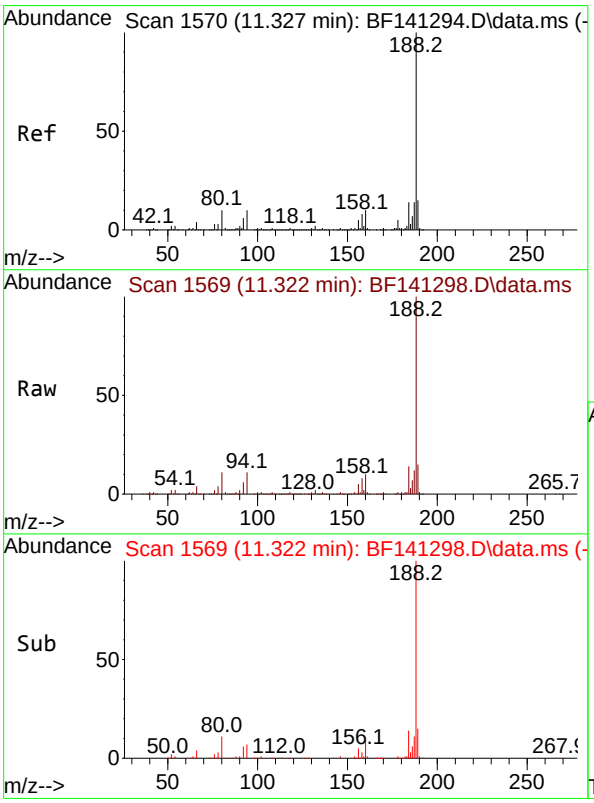
Tgt Ion: 77 Resp: 67890

Ion	Ratio	Lower	Upper
77	100		
182	25.2	5.1	45.1
105	22.0	1.8	41.8
51	34.0	14.0	54.0

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Supervised By :mohammad ahmed 02/04/2025

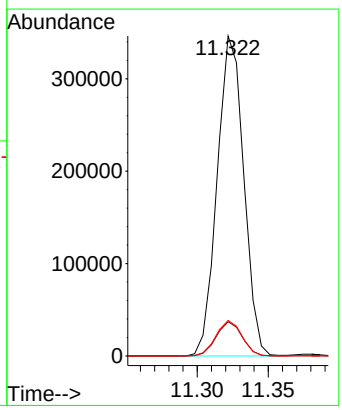


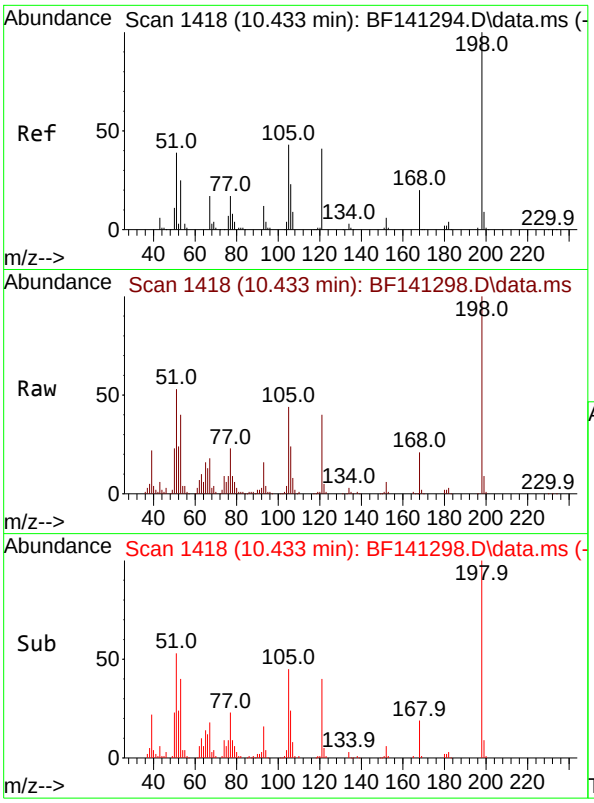


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:188 Resp: 450291

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.1	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

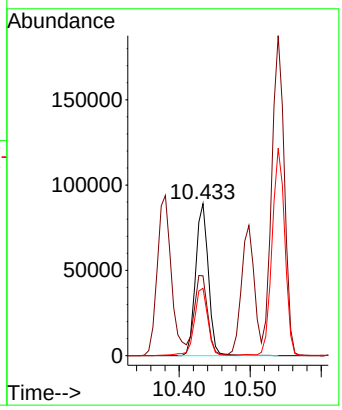
Tgt Ion:198 Resp: 11163

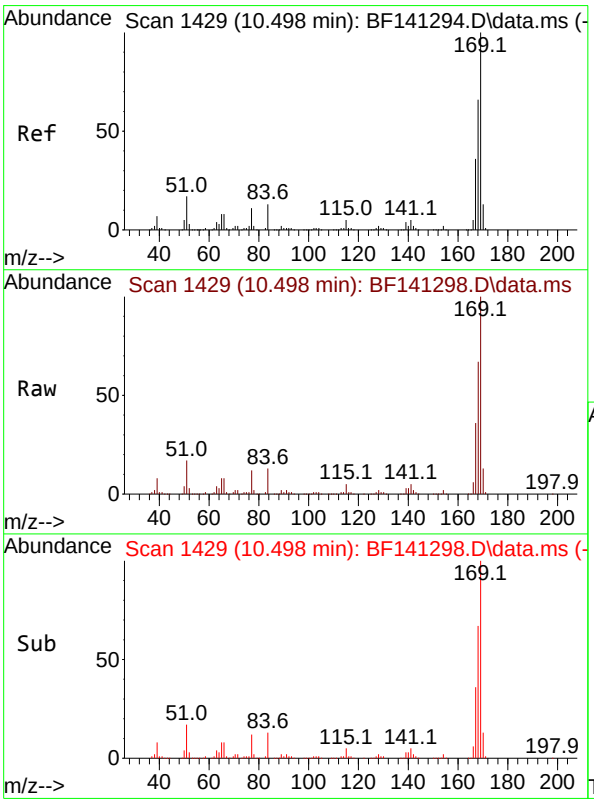
Ion	Ratio	Lower	Upper
198	100		
51	52.5	33.4	73.4
105	44.4	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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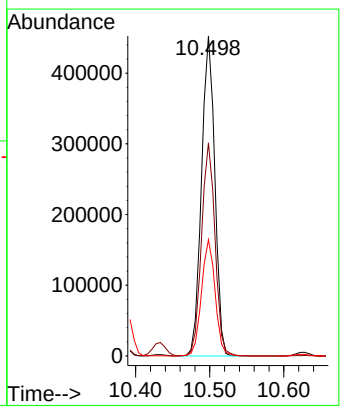


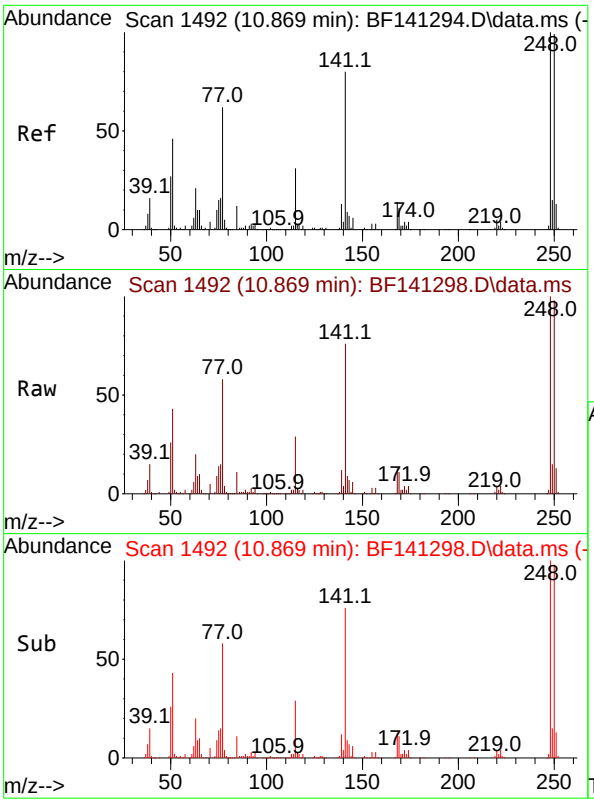


#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:169 Resp: 564452

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

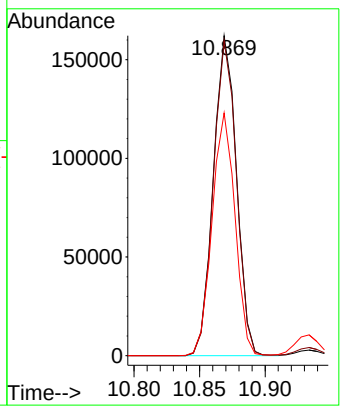
Instrument :
BNA_F
ClientSampleId :
ICVBF012925

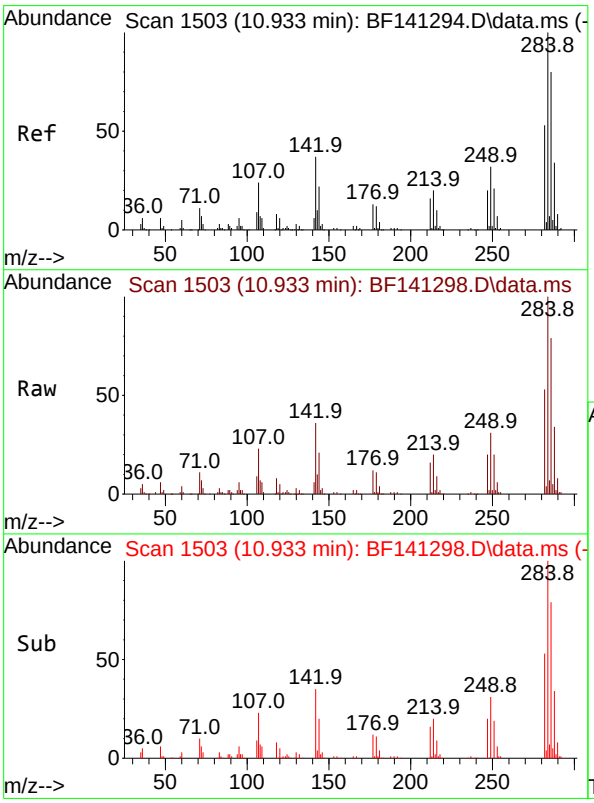
Tgt Ion:248 Resp: 199009

Ion	Ratio	Lower	Upper
248	100		
250	98.4	79.0	118.4
141	75.9	63.7	95.5

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Supervised By :mohammad ahmed 02/04/2025

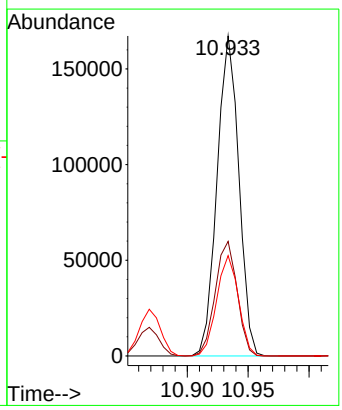


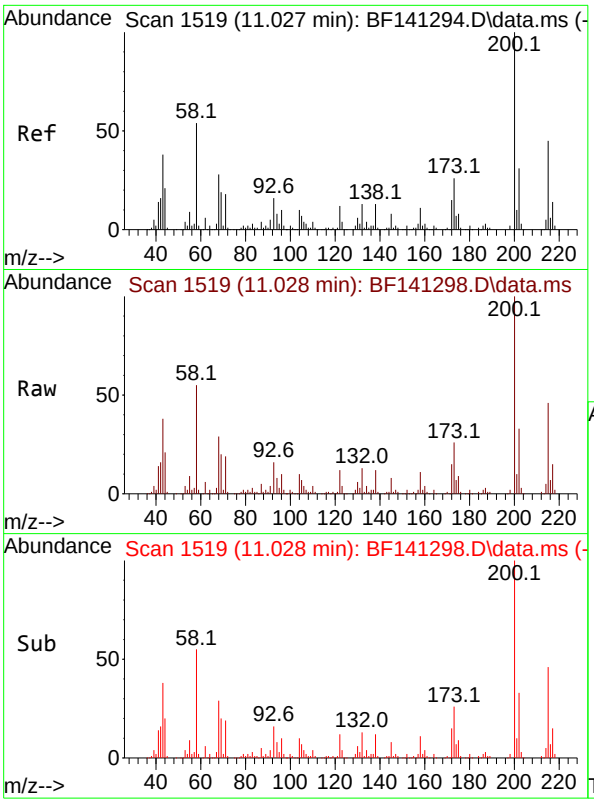


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:284 Resp: 208171

Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.5	44.3
249	31.3	25.4	38.2

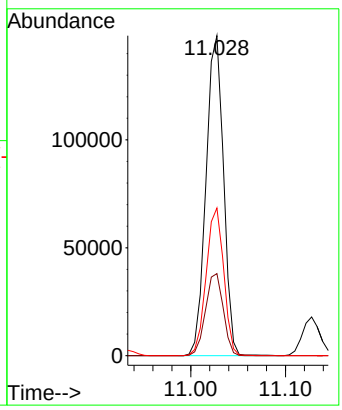




#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:200 Resp: 19095

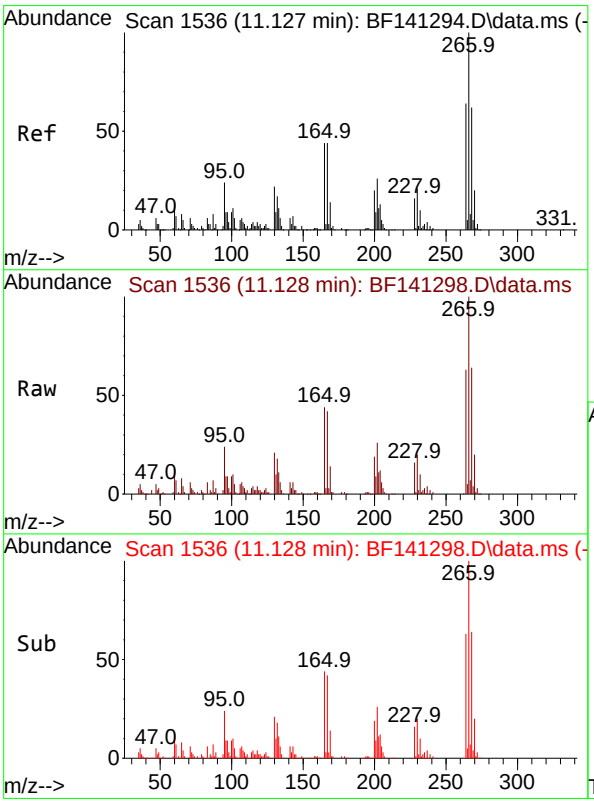
Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.9	45.9
215	46.1	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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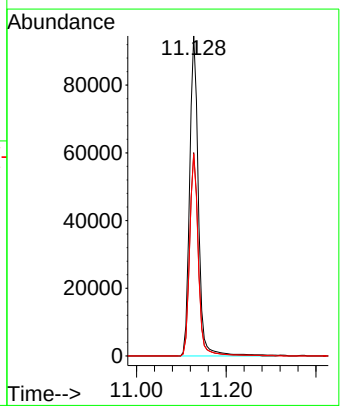
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

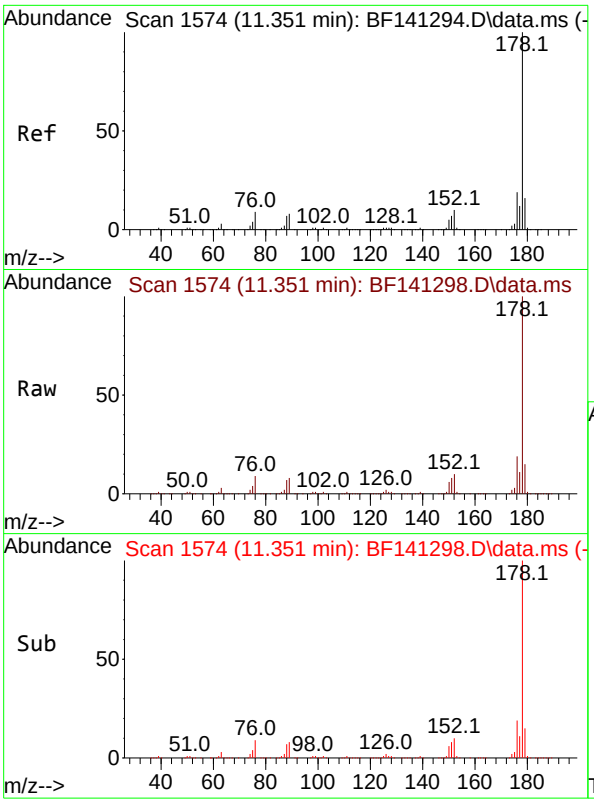


#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:266 Resp: 128300

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.9	74.9
264	63.0	51.0	76.4

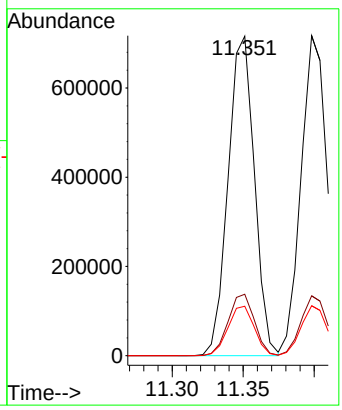




#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 92262

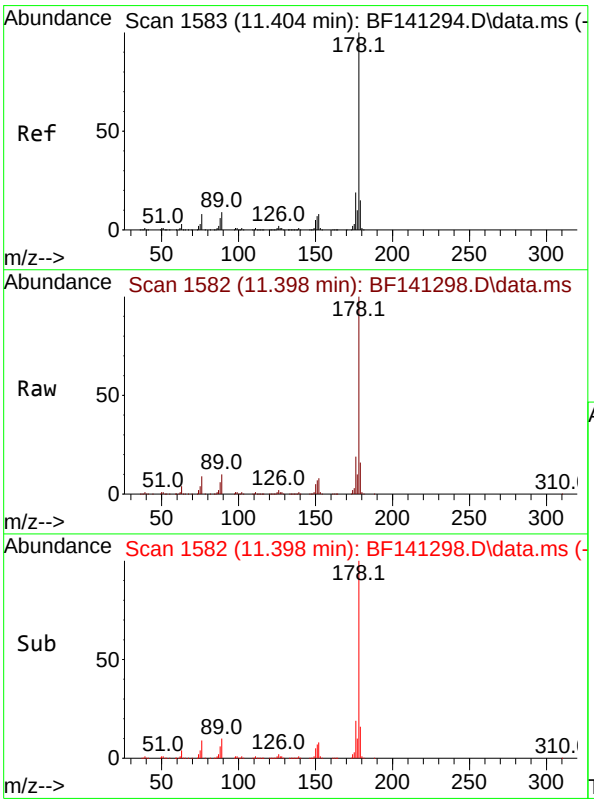
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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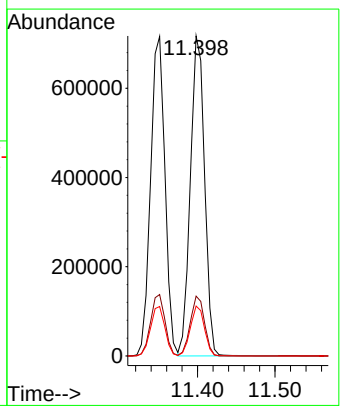
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

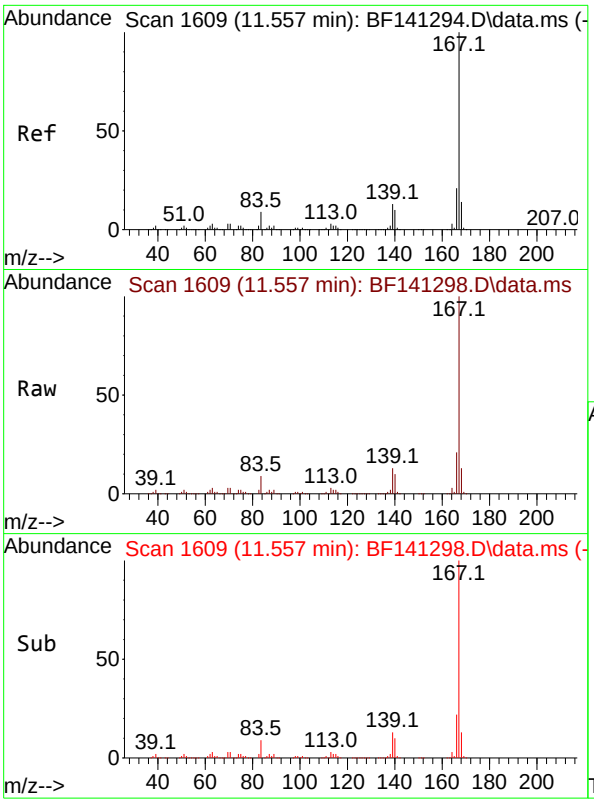


#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 912703

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

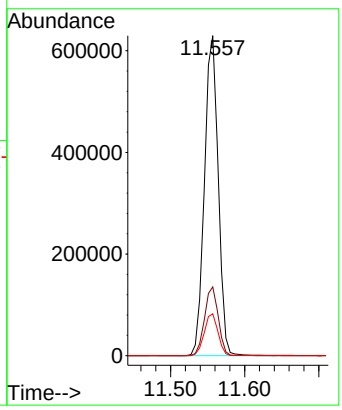




#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:167 Resp: 81303

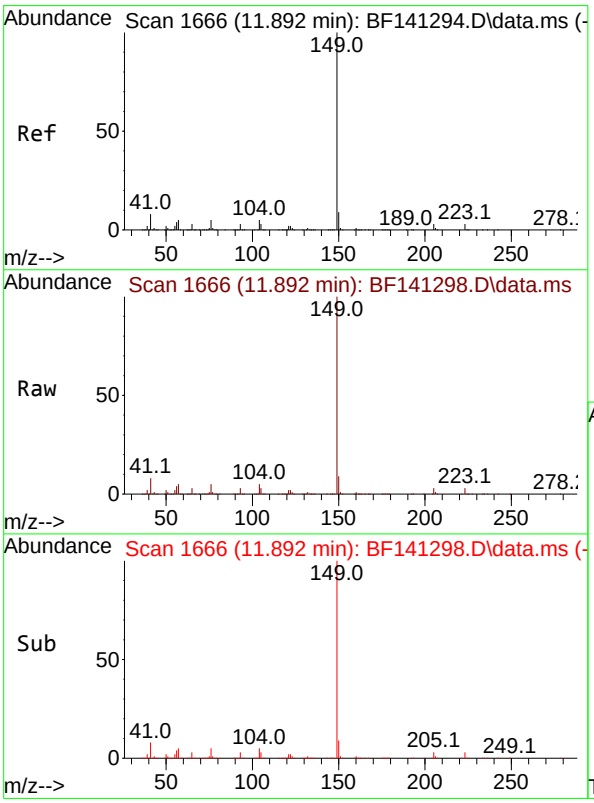
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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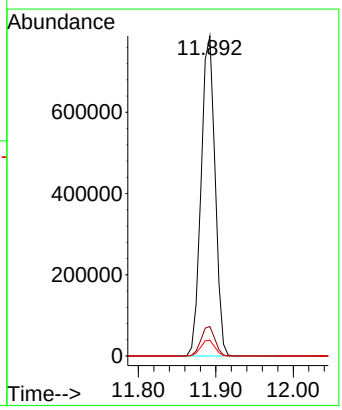
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

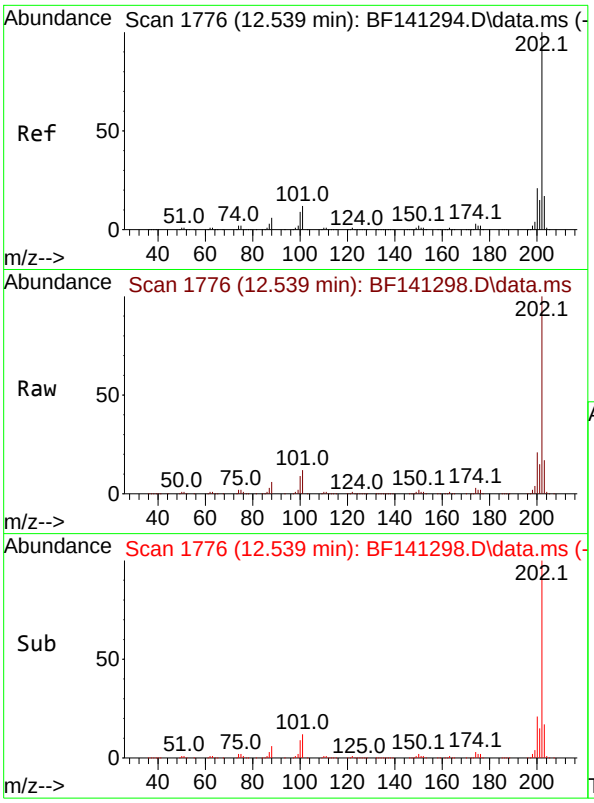


#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 984759

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

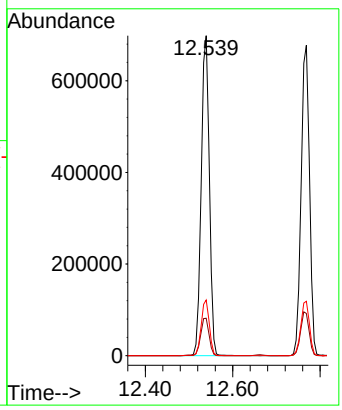
Tgt Ion:202 Resp: 90263

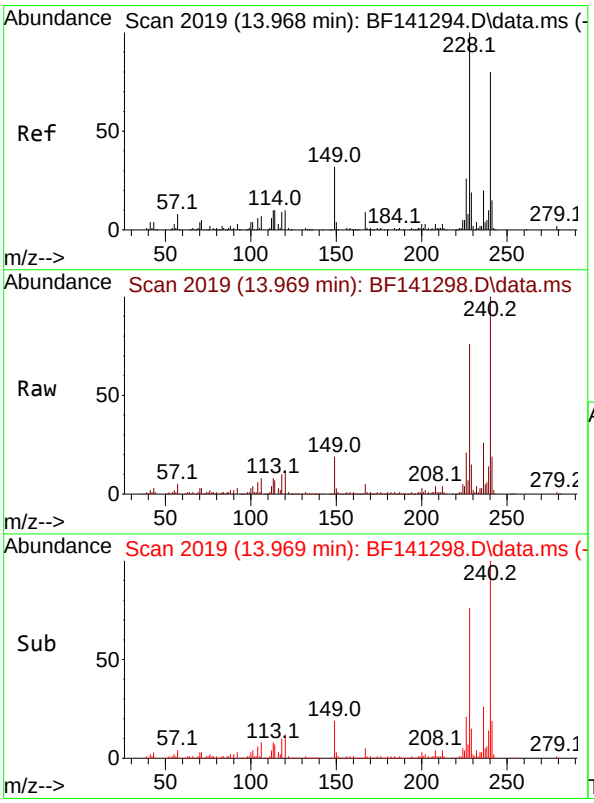
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.4	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

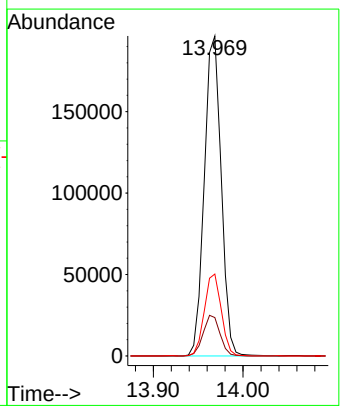


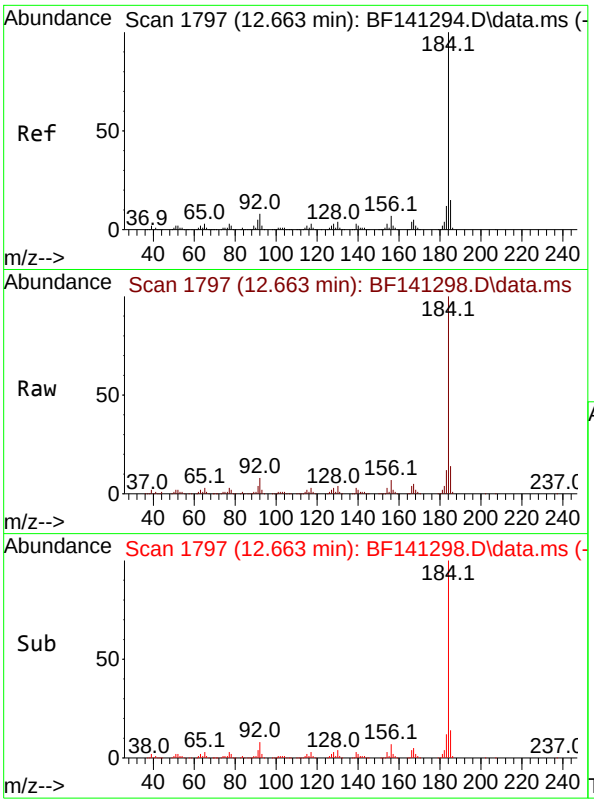


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:240 Resp: 257177

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.0	15.0
236	25.6	19.7	29.5

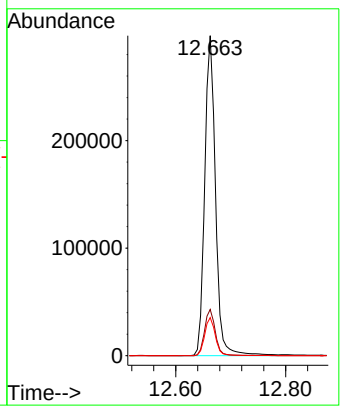




#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 40516

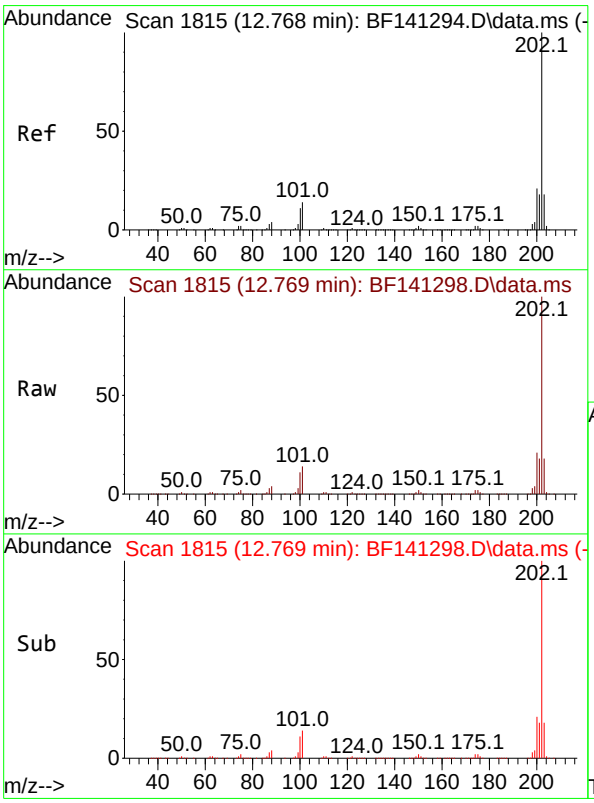
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.9	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

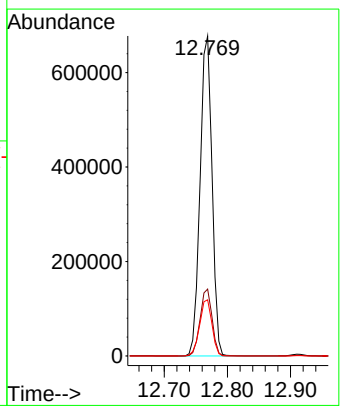
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

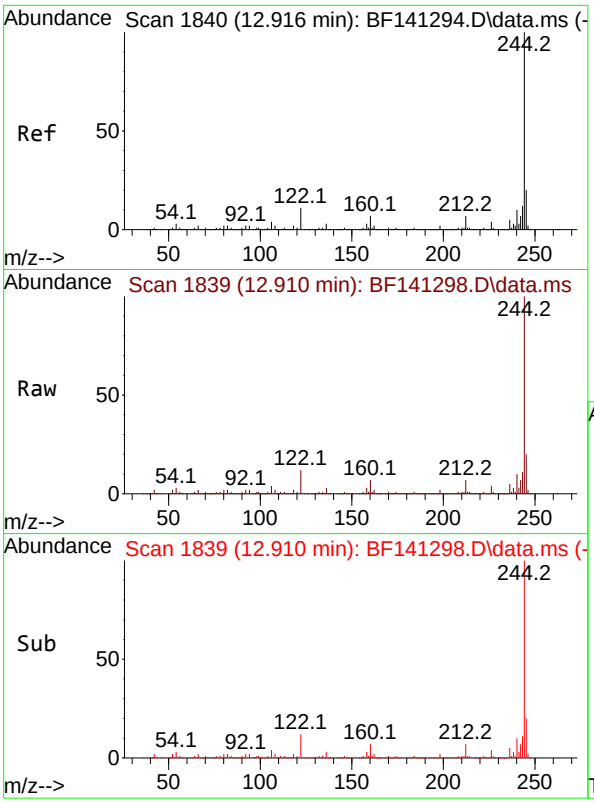


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:202 Resp: 894269

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.5	14.3	21.5

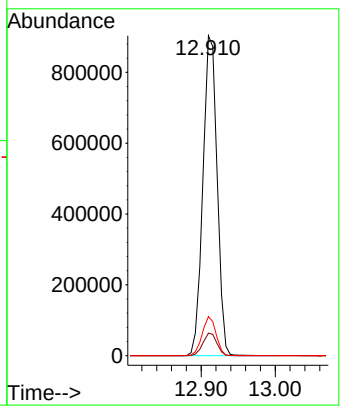




#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:244 Resp: 120835

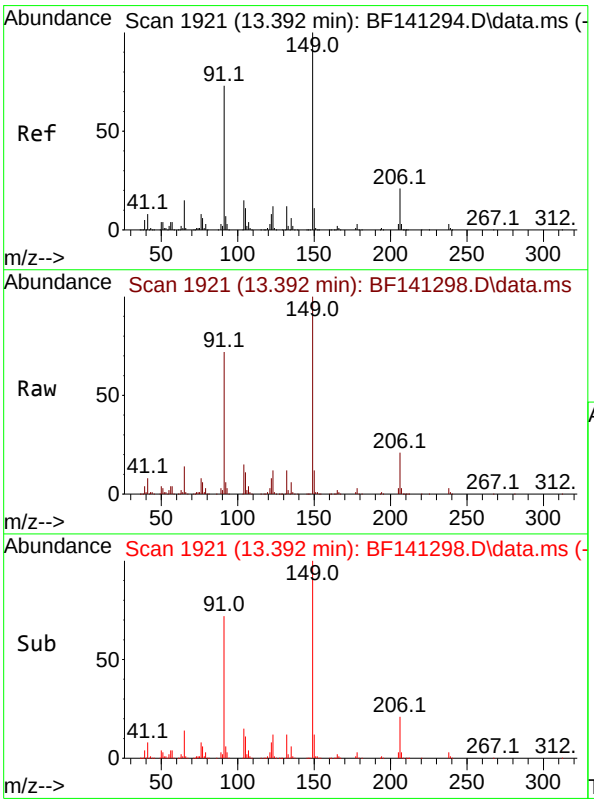
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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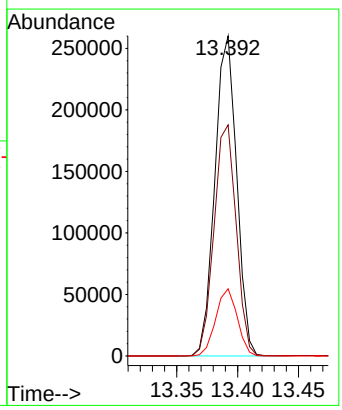
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

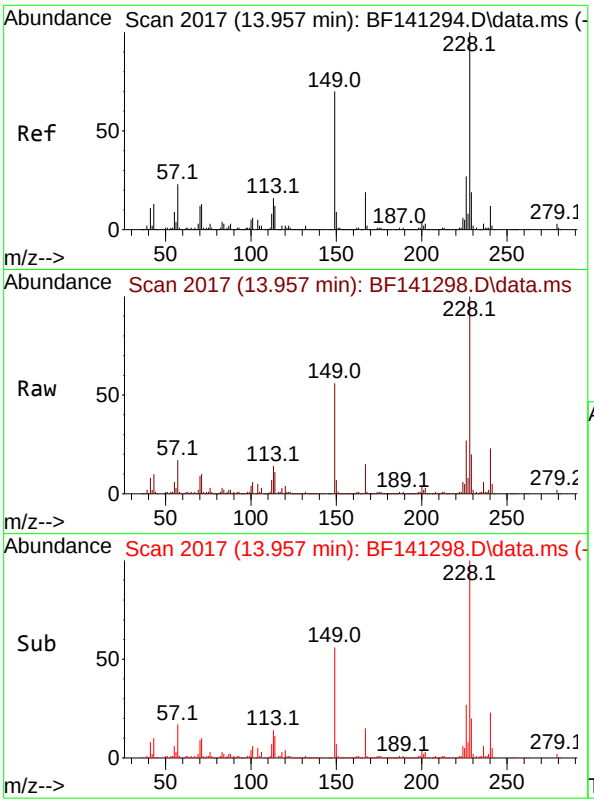


#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 324793

Ion	Ratio	Lower	Upper
149	100		
91	72.2	58.6	87.8
206	21.0	16.7	25.1

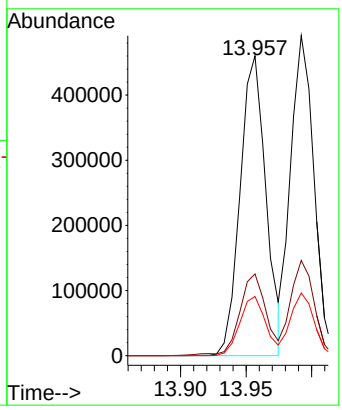




#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 63155

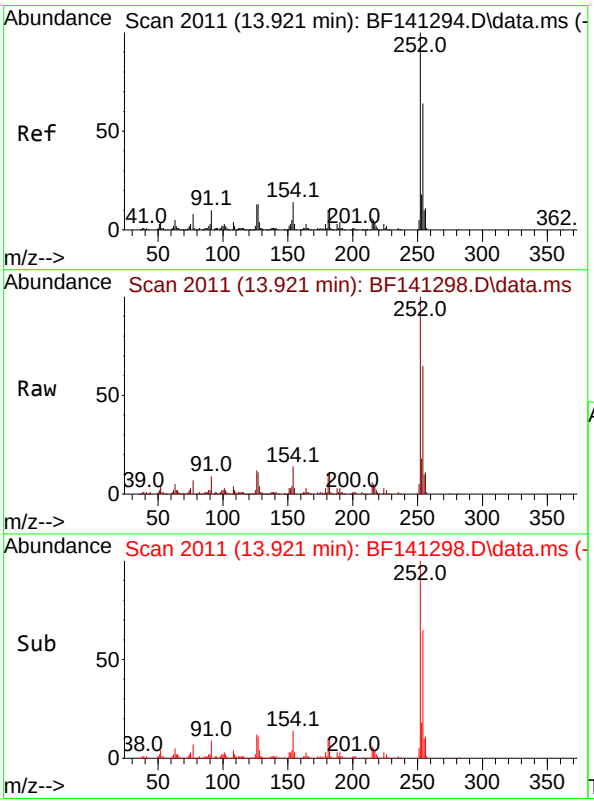
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

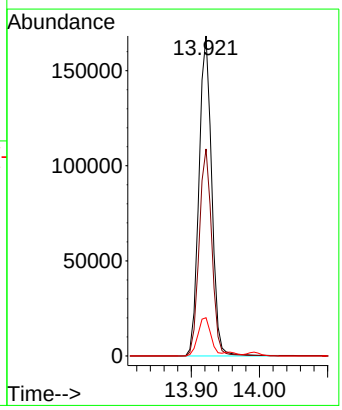
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

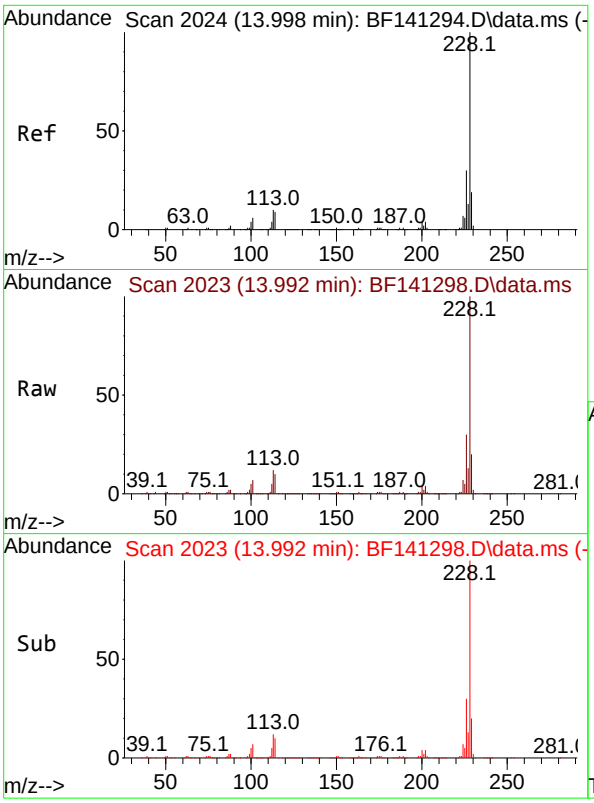


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 218850

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.3	76.9
126	12.0	10.0	15.0

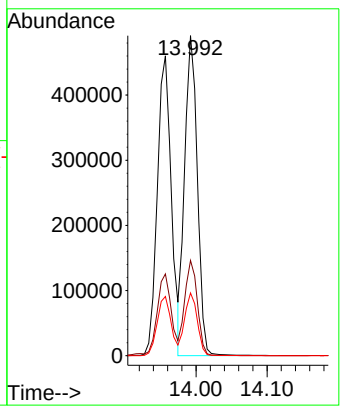




#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 61003

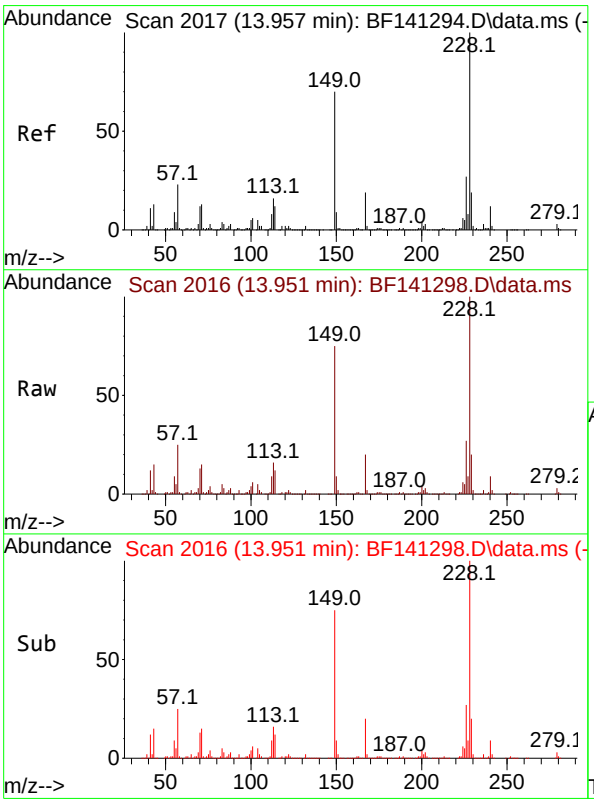
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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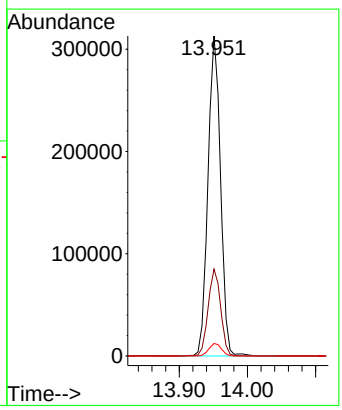
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

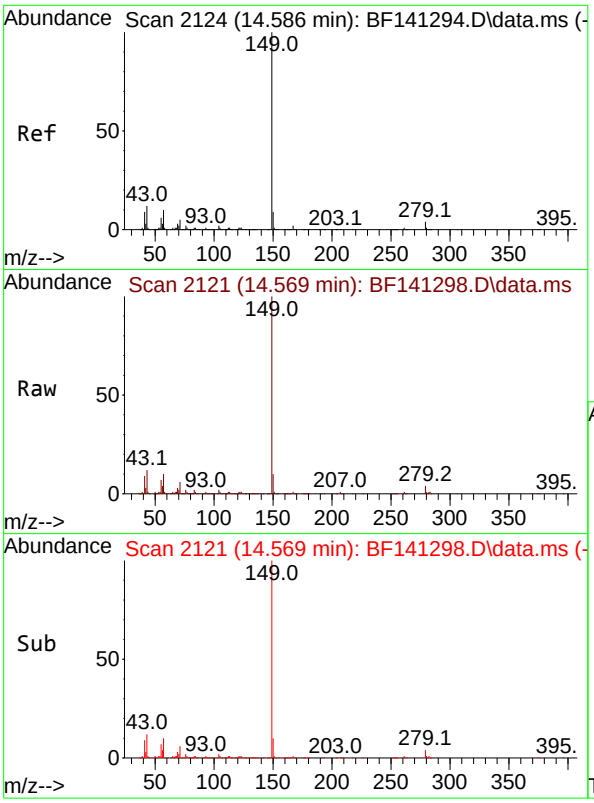


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 400642

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

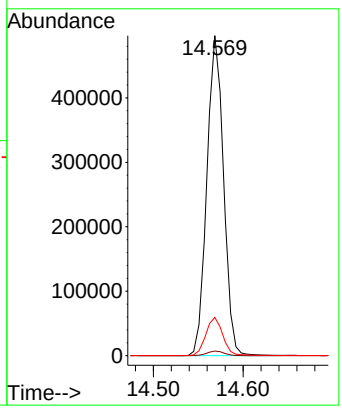
Tgt Ion:149 Resp: 64243

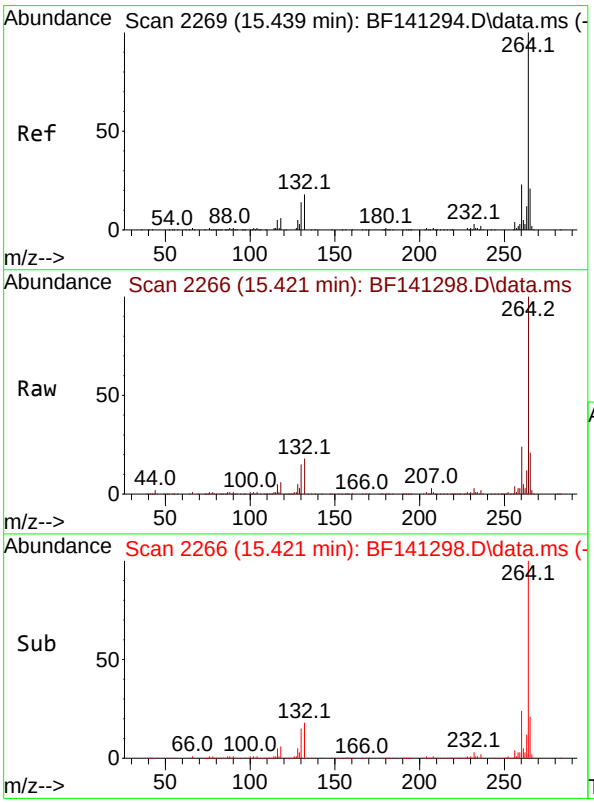
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

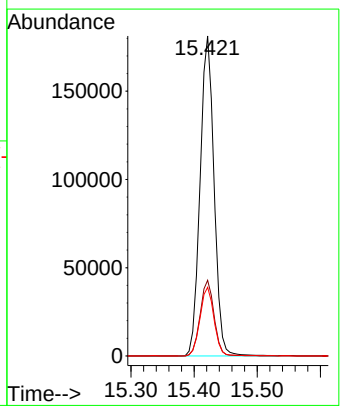


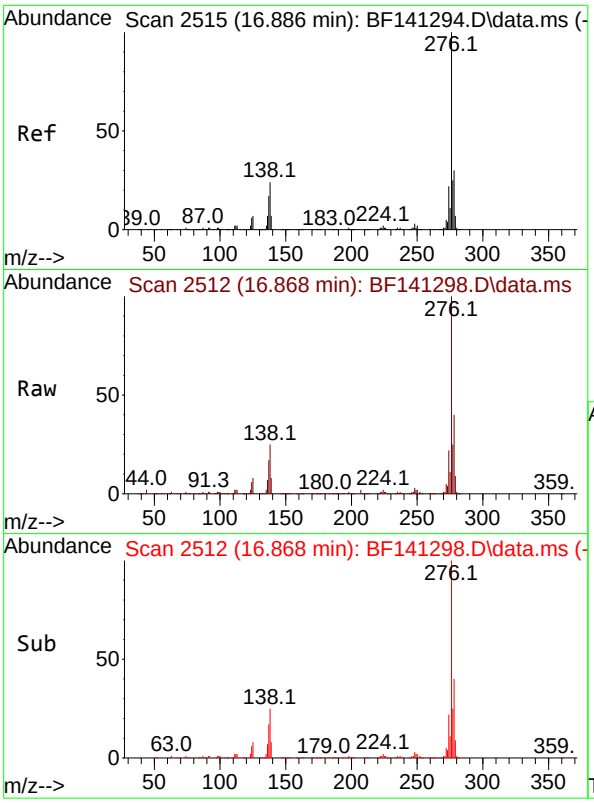


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:264 Resp: 279455

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	16.7	25.1

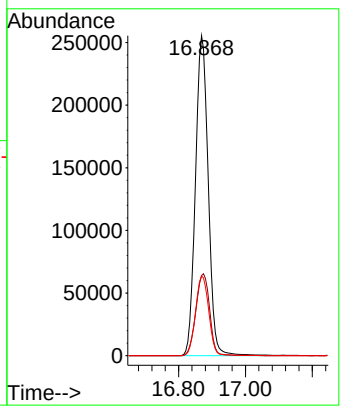




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 67865

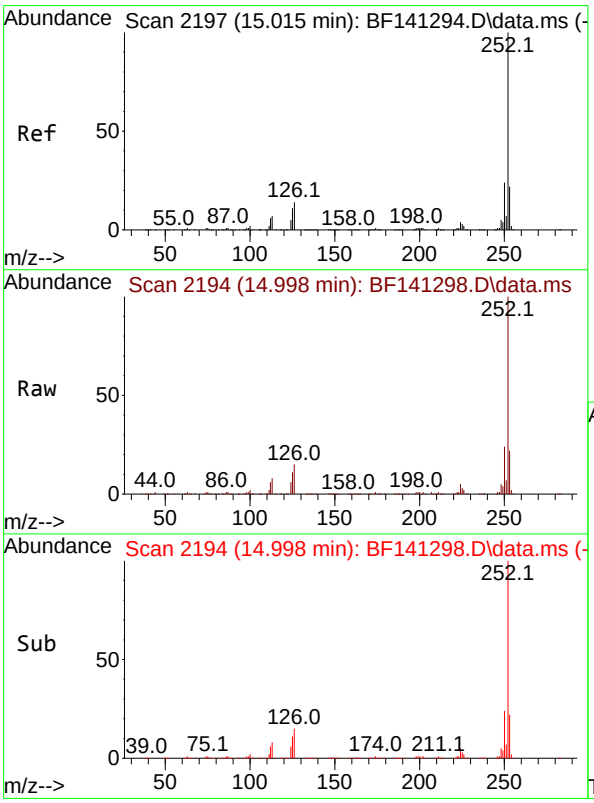
Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.7	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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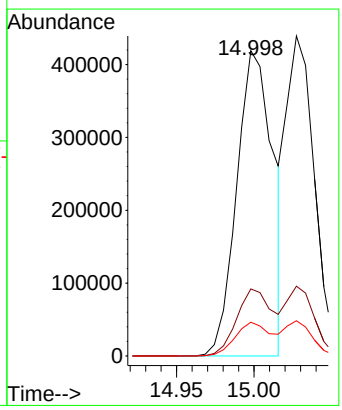
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

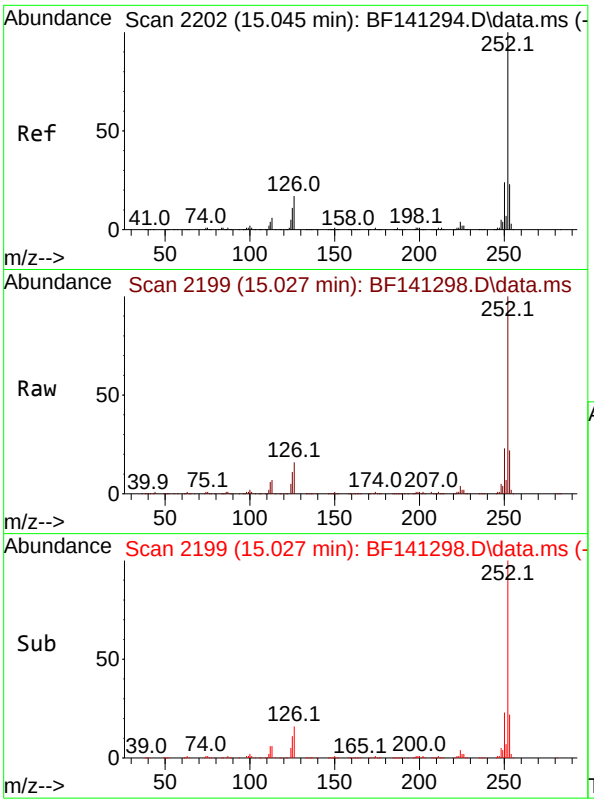


#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 683111

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8

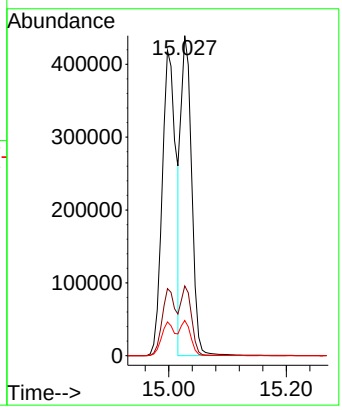




#89
Benzo(k)fluoranthene
Concen: 35.766 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 55696

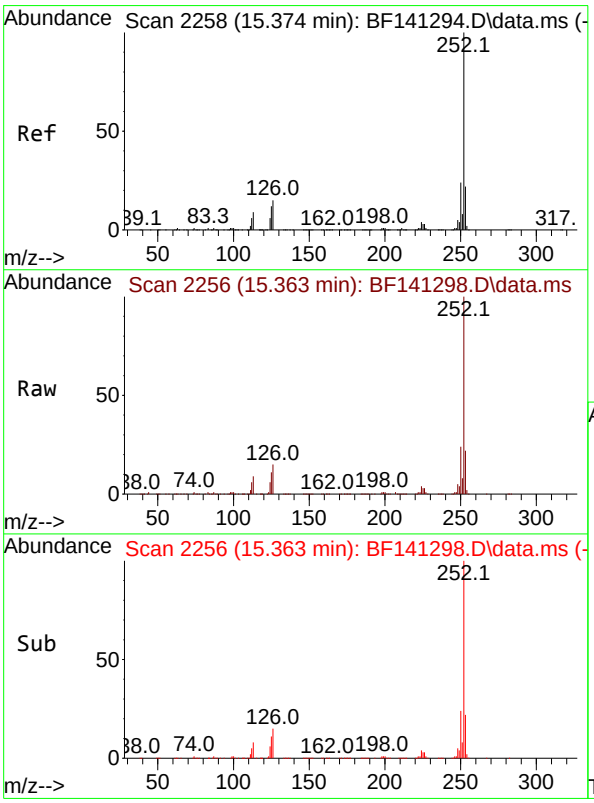
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

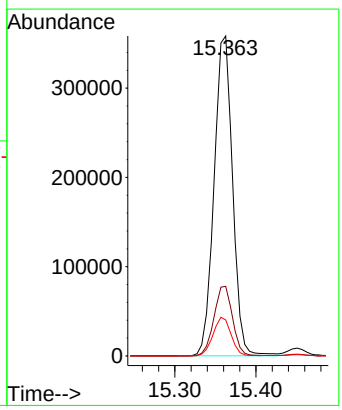
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

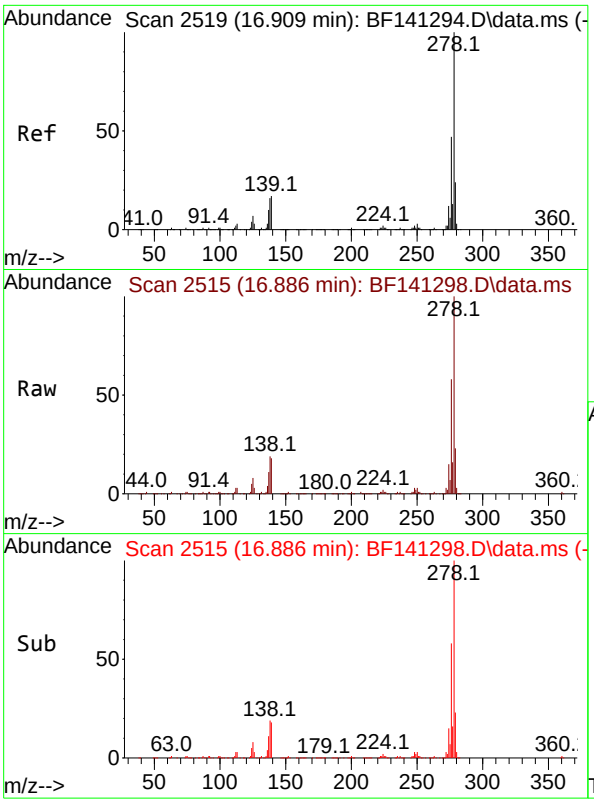


#90
Benzo(a)pyrene
Concen: 38.209 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 567574

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.2	9.4	14.2

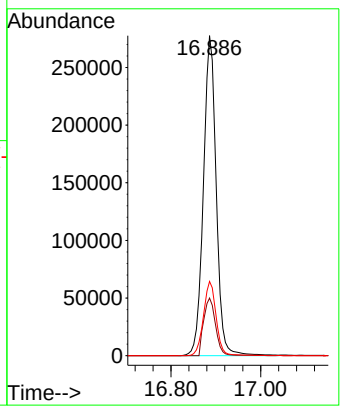




#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:278 Resp: 55153

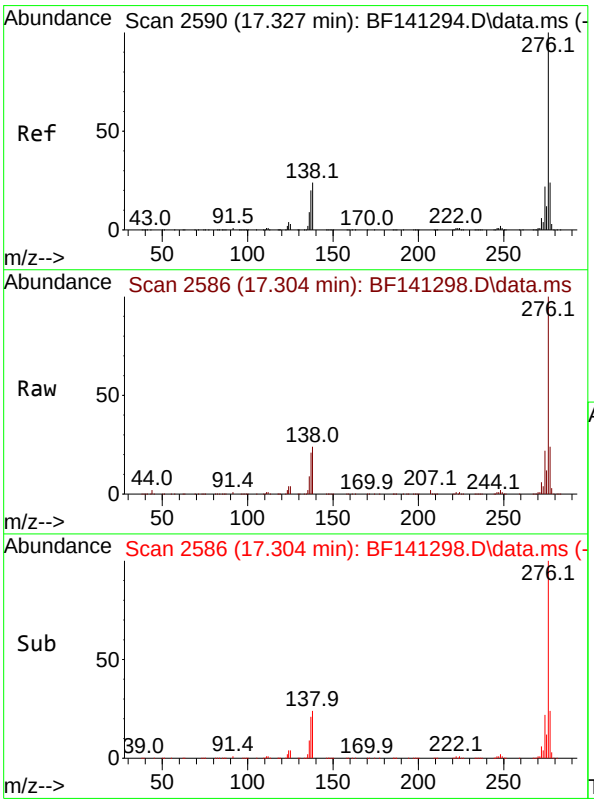
Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.9	20.9
279	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

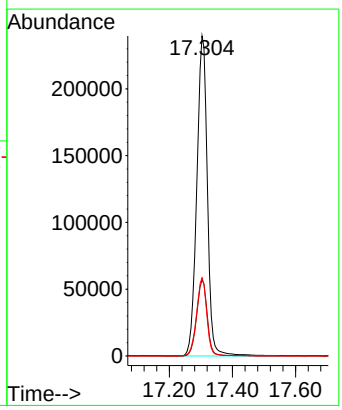
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 37.101 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 559807

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	24.4	19.0	28.4



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2		1,4-Dioxane	0.573	0.534	6.8	97	0.00
3		Pyridine	1.380	1.326	3.9	98	-0.01
4		n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5	S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6		Aniline	1.403	1.383	1.4	99	0.00
7	S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8		2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9		Benzaldehyde	0.960	0.887	7.6	97	0.00
10	C	Phenol	1.757	1.664	5.3	99	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12		1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13	C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14		1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15		Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17		2-Methylphenol	1.135	1.037	8.6	97	0.00
18		Hexachloroethane	0.571	0.543	4.9	100	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20		3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.475	0.436	8.2	99	0.00
23	S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24		Nitrobenzene	0.393	0.373	5.1	99	-0.01
25		Isophorone	0.656	0.614	6.4	99	0.00
26	C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27		2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29	C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30		1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31		Naphthalene	1.057	0.981	7.2	99	0.00
32		Benzoic acid	0.217	0.225	-3.7	101	-0.04
33		4-Chloroaniline	0.358	0.333	7.0	97	0.00
34	C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35		Caprolactam	0.094	0.089	5.3	99	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37		2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38		1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42	S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44		2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45	S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46		1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47		2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.363	5.0	99	0.00
49		Acenaphthylene	1.702	1.592	6.5	99	0.00
50		Dimethylphthalate	1.351	1.246	7.8	99	0.00
51		2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52	C	Acenaphthene	1.216	1.131	7.0	99	0.00
53		3-Nitroaniline	0.307	0.293	4.6	96	0.00
54	P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55		Dibenzofuran	1.627	1.506	7.4	98	0.00
56	P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57		2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58		Fluorene	1.262	1.150	8.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60		Diethylphthalate	1.310	1.222	6.7	99	0.00
61		4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62		4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63		Azobenzene	1.311	1.213	7.5	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67		4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68		Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69		Atrazine	0.216	0.212	1.9	98	0.00
70	C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71		Phenanthrene	1.075	1.024	4.7	98	0.00
72		Anthracene	1.053	1.013	3.8	99	0.00
73		Carbazole	0.934	0.903	3.3	99	0.00
74		Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75	C	Fluoranthene	1.062	1.002	5.6	97	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77		Benzidine	0.641	0.788	-22.9	106	0.00
78		Pyrene	1.920	1.739	9.4	98	0.00
79	S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80		Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81		Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82		3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83		Chrysene	1.265	1.186	6.2	103	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85	c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88		Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89		Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90	C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91		Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92		Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2		1,4-Dioxane	40.000	37.296	6.8	97	0.00
3		Pyridine	40.000	38.413	4.0	98	-0.01
4		n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5	S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6		Aniline	40.000	39.437	1.4	99	0.00
7	S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8		2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9		Benzaldehyde	40.000	36.965	7.6	97	0.00
10	C	Phenol	40.000	37.888	5.3	99	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12		1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13	C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14		1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15		Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17		2-Methylphenol	40.000	36.544	8.6	97	0.00
18		Hexachloroethane	40.000	38.094	4.8	100	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20		3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	36.717	8.2	99	0.00
23	S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24		Nitrobenzene	40.000	37.927	5.2	99	-0.01
25		Isophorone	40.000	37.439	6.4	99	0.00
26	C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27		2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29	C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30		1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31		Naphthalene	40.000	37.128	7.2	99	0.00
32		Benzoic acid	40.000	41.534	-3.8	101	-0.04
33		4-Chloroaniline	40.000	37.214	7.0	97	0.00
34	C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35		Caprolactam	40.000	37.662	5.8	99	-0.02
36	C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37		2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38		1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42	S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44		2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46		1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47		2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	37.970	5.1	99	0.00
49		Acenaphthylene	40.000	37.416	6.5	99	0.00
50		Dimethylphthalate	40.000	36.904	7.7	99	0.00
51		2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52	C	Acenaphthene	40.000	37.206	7.0	99	0.00
53		3-Nitroaniline	40.000	38.150	4.6	96	0.00
54	P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55		Dibenzofuran	40.000	37.012	7.5	98	0.00
56	P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57		2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58		Fluorene	40.000	36.451	8.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60		Diethylphthalate	40.000	37.316	6.7	99	0.00
61		4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62		4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63		Azobenzene	40.000	37.020	7.4	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67		4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68		Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69		Atrazine	40.000	39.215	2.0	98	0.00
70	C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71		Phenanthrene	40.000	38.117	4.7	98	0.00
72		Anthracene	40.000	38.484	3.8	99	0.00
73		Carbazole	40.000	38.661	3.3	99	0.00
74		Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75	C	Fluoranthene	40.000	37.768	5.6	97	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77		Benzidine	40.000	49.142	-22.9	106	0.00
78		Pyrene	40.000	36.225	9.4	98	0.00
79	S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80		Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81		Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83		Chrysene	40.000	37.508	6.2	103	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85	c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88		Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89		Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90	C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91		Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92		Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_G Calibration Date(s): 02/03/2025 02/03/2025

Calibration Time(s): 11:18 15:42

LAB FILE ID: RRF2.5 = BG063975.D RRF005 = BG063976.D RRF010 = BG063977.D
RRF020 = BG063978.D RRF040 = BG063979.D RRF050 = BG063980.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.051	1.158	1.265	1.334	1.302	1.247	8.4
Benzaldehyde		0.912	1.060	1.119	0.954	0.897	0.935	13.6
Phenol-d6		1.538	1.567	1.748	1.787	1.751	1.712	6.5
Phenol		1.646	1.697	1.823	1.856	1.816	1.802	5.3
bis(2-Chloroethyl)ether		1.496	1.391	1.479	1.477	1.430	1.451	2.5
2-Chlorophenol		1.018	1.121	1.276	1.353	1.352	1.271	11.5
2-Methylphenol		1.044	1.031	1.163	1.227	1.210	1.165	7.9
2,2-oxybis(1-Chloropropane)		2.982	2.734	2.954	2.950	2.883	2.922	3.1
Acetophenone		0.541	0.540	0.559	0.551	0.545	0.550	1.4
3+4-Methylphenols		1.338	1.355	1.542	1.636	1.619	1.553	9.7
n-Nitroso-di-n-propylamine	1.060	1.164	1.114	1.197	1.243	1.188	1.185	6.0
Nitrobenzene-d5			0.231	0.293	0.336	0.353	0.329	17.7
Hexachloroethane		0.462	0.450	0.488	0.537	0.520	0.503	7.1
Nitrobenzene		0.198	0.273	0.320	0.354	0.374	0.330	22.1
Isophorone		0.678	0.676	0.707	0.715	0.716	0.713	4.3
2-Nitrophenol		0.042	0.044	0.056	0.076	0.090	0.069	37.6
2,4-Dimethylphenol		0.163	0.182	0.204	0.216	0.217	0.205	11.8
bis(2-Chloroethoxy)methane		0.425	0.451	0.451	0.456	0.451	0.454	3.5
2,4-Dichlorophenol		0.154	0.196	0.242	0.270	0.285	0.249	22.2
Naphthalene		1.077	1.053	1.074	1.082	1.059	1.072	1.1
4-Chloroaniline		0.396	0.386	0.398	0.420	0.415	0.411	4.3
Hexachlorobutadiene		0.203	0.217	0.214	0.216	0.214	0.215	2.7
Caprolactam			0.065	0.080	0.097	0.106	0.095	20.1
4-Chloro-3-methylphenol		0.255	0.283	0.322	0.350	0.352	0.328	13.4
2-Methylnaphthalene		0.761	0.708	0.751	0.751	0.747	0.747	2.4
Hexachlorocyclopentadiene		0.090	0.117	0.140	0.162	0.165	0.149	24.0
2,4,6-Trichlorophenol		0.145	0.204	0.284	0.320	0.333	0.288	29.2
2-Fluorobiphenyl		1.314	1.324	1.386	1.312	1.272	1.305	3.5
2,4,5-Trichlorophenol		0.176	0.251	0.338	0.373	0.385	0.333	26.2
1,1-Biphenyl		1.521	1.526	1.586	1.526	1.489	1.523	2.1
2-Chloronaphthalene		1.029	1.123	1.170	1.105	1.108	1.110	3.8
2-Nitroaniline		0.118	0.139	0.213	0.268	0.303	0.249	38.4
Dimethylphthalate		1.029	1.165	1.359	1.380	1.427	1.326	12.5
Acenaphthylene		1.640	1.669	1.802	1.731	1.732	1.724	3.2

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_G Calibration Date(s): 02/03/2025 02/03/2025

Calibration Time(s): 11:18 15:42

LAB FILE ID: RRF2.5 = BG063975.D RRF005 = BG063976.D RRF010 = BG063977.D
RRF020 = BG063978.D RRF040 = BG063979.D RRF050 = BG063980.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.092	0.125	0.185	0.230	0.250	0.208	37.1
3-Nitroaniline		0.113	0.152	0.222	0.267	0.288	0.238	33.3
Acenaphthene		1.114	1.109	1.197	1.147	1.150	1.156	3.2
2,4-Dinitrophenol			0.028	0.044	0.051	0.061	0.057	36.5
4-Nitrophenol			0.109	0.156	0.201	0.233	0.203	29.7
Dibenzofuran		1.864	1.874	1.961	1.867	1.849	1.878	2.2
2,4-Dinitrotoluene		0.125	0.144	0.224	0.293	0.330	0.268	39.7
Diethylphthalate		1.062	1.227	1.416	1.478	1.535	1.406	13.8
4-Chlorophenyl-phenylether		0.771	0.726	0.760	0.708	0.707	0.728	3.7
Fluorene		1.494	1.463	1.486	1.437	1.421	1.451	2.7
4-Nitroaniline		0.163	0.191	0.250	0.289	0.319	0.267	25.7
4,6-Dinitro-2-methylphenol			0.024	0.031	0.042	0.049	0.046	36.6
n-Nitrosodiphenylamine		0.540	0.532	0.576	0.568	0.546	0.555	2.8
2,4,6-Tribromophenol			0.109	0.157	0.190	0.218	0.192	26.5
4-Bromophenyl-phenylether		0.183	0.187	0.202	0.204	0.197	0.199	5.4
Hexachlorobenzene		0.228	0.235	0.240	0.240	0.226	0.234	2.3
Atrazine		0.141	0.169	0.185	0.197	0.200	0.185	12.1
Pentachlorophenol			0.060	0.097	0.121	0.134	0.120	30.3
Phenanthrene		1.055	1.052	1.077	1.059	1.041	1.050	1.6
Anthracene		1.053	1.037	1.065	1.066	1.036	1.051	1.2
Carbazole		0.981	0.972	1.009	0.990	0.985	0.984	1.7
Di-n-butylphthalate		0.671	0.823	1.026	1.134	1.177	1.026	19.8
Fluoranthene		1.312	1.267	1.302	1.293	1.289	1.279	2.6
Pyrene		1.220	1.172	1.311	1.233	1.247	1.235	3.4
Terphenyl-d14		1.005	0.966	1.023	0.951	0.958	0.958	5.1
Butylbenzylphthalate		0.150	0.219	0.329	0.388	0.424	0.346	34.8
3,3-Dichlorobenzidine		0.264	0.336	0.421	0.434	0.433	0.395	17.4
Benzo(a)anthracene		1.248	1.236	1.312	1.280	1.281	1.270	2.0
Chrysene		1.273	1.235	1.331	1.248	1.268	1.264	2.9
Bis(2-ethylhexyl)phthalate		0.272	0.402	0.575	0.650	0.689	0.575	30.3
Di-n-octyl phthalate			0.588	0.873	1.021	1.113	1.001	23.8
Benzo(b)fluoranthene		1.093	1.094	1.243	1.202	1.194	1.178	5.0
Benzo(k)fluoranthene		1.137	1.175	1.192	1.240	1.234	1.209	3.5
Benzo(a)pyrene		0.959	0.976	1.078	1.065	1.072	1.051	5.6
Indeno(1,2,3-cd)pyrene		1.147	1.200	1.319	1.307	1.321	1.290	6.6

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_G Calibration Date(s): 02/03/2025 02/03/2025

Calibration Time(s): 11:18 15:42

LAB FILE ID: RRF2.5 = BG063975.D RRF005 = BG063976.D RRF010 = BG063977.D
RRF020 = BG063978.D RRF040 = BG063979.D RRF050 = BG063980.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.984	1.007	1.107	1.109	1.110	1.089	6.2
Benzo(g,h,i)perylene		0.981	1.039	1.132	1.111	1.122	1.100	6.0
1,2,4,5-Tetrachlorobenzene		0.567	0.590	0.620	0.587	0.581	0.590	2.7
1,4-Dioxane		0.622	0.604	0.621	0.600	0.574	0.592	4.6
2,3,4,6-Tetrachlorophenol		0.146	0.217	0.299	0.336	0.363	0.309	31.2

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG020325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Feb 04 02:51:00 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG063975.D 5 =BG063976.D 10 =BG063977.D 20 =BG063978.D 40 =BG063979.D 50 =BG063980.D 60 =BG063981.D 80 =BG063982.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.622	0.604	0.621	0.600	0.574	0.580	0.547	0.592	4.58
3)		Pyridine		1.560	1.507	1.617	1.673	1.617	1.608	1.616	1.600	3.27
4)		n-Nitrosodimet...		0.860	0.932	0.929	0.928	0.941	0.922	0.927	0.920	2.96
5)	S	2-Fluorophenol		1.051	1.158	1.265	1.334	1.302	1.319	1.303	1.247	8.37
6)		Aniline		1.834	1.707	1.822	1.892	1.840	1.872	1.874	1.834	3.35
7)	S	Phenol-d6		1.538	1.567	1.748	1.787	1.751	1.787	1.805	1.712	6.49
8)		2-Chlorophenol		1.018	1.121	1.276	1.353	1.352	1.377	1.399	1.271	11.47
9)		Benzaldehyde		0.912	1.060	1.119	0.954	0.897	0.865	0.735	0.935	13.60
10)	C	Phenol		1.646	1.697	1.823	1.856	1.816	1.882	1.894	1.802	5.25
11)		bis(2-Chloroet...		1.496	1.391	1.479	1.477	1.430	1.456	1.428	1.451	2.53
12)		1,3-Dichlorobe...		1.548	1.542	1.568	1.539	1.484	1.460	1.447	1.513	3.19
13)	C	1,4-Dichlorobe...		1.577	1.510	1.567	1.554	1.504	1.517	1.465	1.528	2.62
14)		1,2-Dichlorobe...		1.479	1.434	1.495	1.481	1.433	1.480	1.446	1.464	1.74
15)		Benzyl Alcohol		1.127	1.135	1.274	1.328	1.306	1.366	1.420	1.280	8.70
16)		2,2'-oxybis(1-...		2.982	2.734	2.954	2.950	2.883	2.955	2.995	2.922	3.08
17)		2-Methylphenol		1.044	1.031	1.163	1.227	1.210	1.229	1.254	1.165	7.87
18)		Hexachloroethane		0.462	0.450	0.488	0.537	0.520	0.529	0.532	0.503	7.12
19)	P	n-Nitroso-di-n...	1.060	1.164	1.114	1.197	1.243	1.188	1.249	1.269	1.185	6.02
20)		3+4-Methylphenols		1.338	1.355	1.542	1.636	1.619	1.670	1.708	1.553	9.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.541	0.540	0.559	0.551	0.545	0.559	0.552	0.550	1.42
23)	S	Nitrobenzene-d5			0.231	0.293	0.336	0.353	0.378	0.384	0.329	17.69
24)		Nitrobenzene		0.198	0.273	0.320	0.354	0.374	0.395	0.397	0.330	22.08
25)		Isophorone		0.678	0.676	0.707	0.715	0.716	0.749	0.753	0.713	4.26
26)	C	2-Nitrophenol		0.042	0.044	0.056	0.076	0.090	0.105		0.069	37.63#
27)		2,4-Dimethylph...		0.163	0.182	0.204	0.216	0.217	0.226	0.229	0.205	11.80
28)		bis(2-Chloroet...		0.425	0.451	0.451	0.456	0.451	0.470	0.474	0.454	3.49
29)	C	2,4-Dichloroph...		0.154	0.196	0.242	0.270	0.285	0.293	0.301	0.249	22.17
30)		1,2,4-Trichlor...		0.329	0.333	0.341	0.339	0.336	0.342	0.340	0.337	1.47
31)		Naphthalene		1.077	1.053	1.074	1.082	1.059	1.083	1.079	1.072	1.08
32)		Benzoic acid			0.050	0.080	0.113	0.142	0.162	0.190	0.123	42.44
33)		4-Chloroaniline		0.396	0.386	0.398	0.420	0.415	0.432	0.429	0.411	4.31
34)	C	Hexachlorobuta...		0.203	0.217	0.214	0.216	0.214	0.221	0.218	0.215	2.67
35)		Caprolactam			0.065	0.080	0.097	0.106	0.116	0.107	0.095	20.15
36)	C	4-Chloro-3-met...		0.255	0.283	0.322	0.350	0.352	0.370	0.367	0.328	13.38
37)		2-Methylnaphth...		0.761	0.708	0.751	0.751	0.747	0.759	0.754	0.747	2.41
38)		1-Methylnaphth...		0.786	0.711	0.728	0.730	0.728	0.748	0.746	0.739	3.24

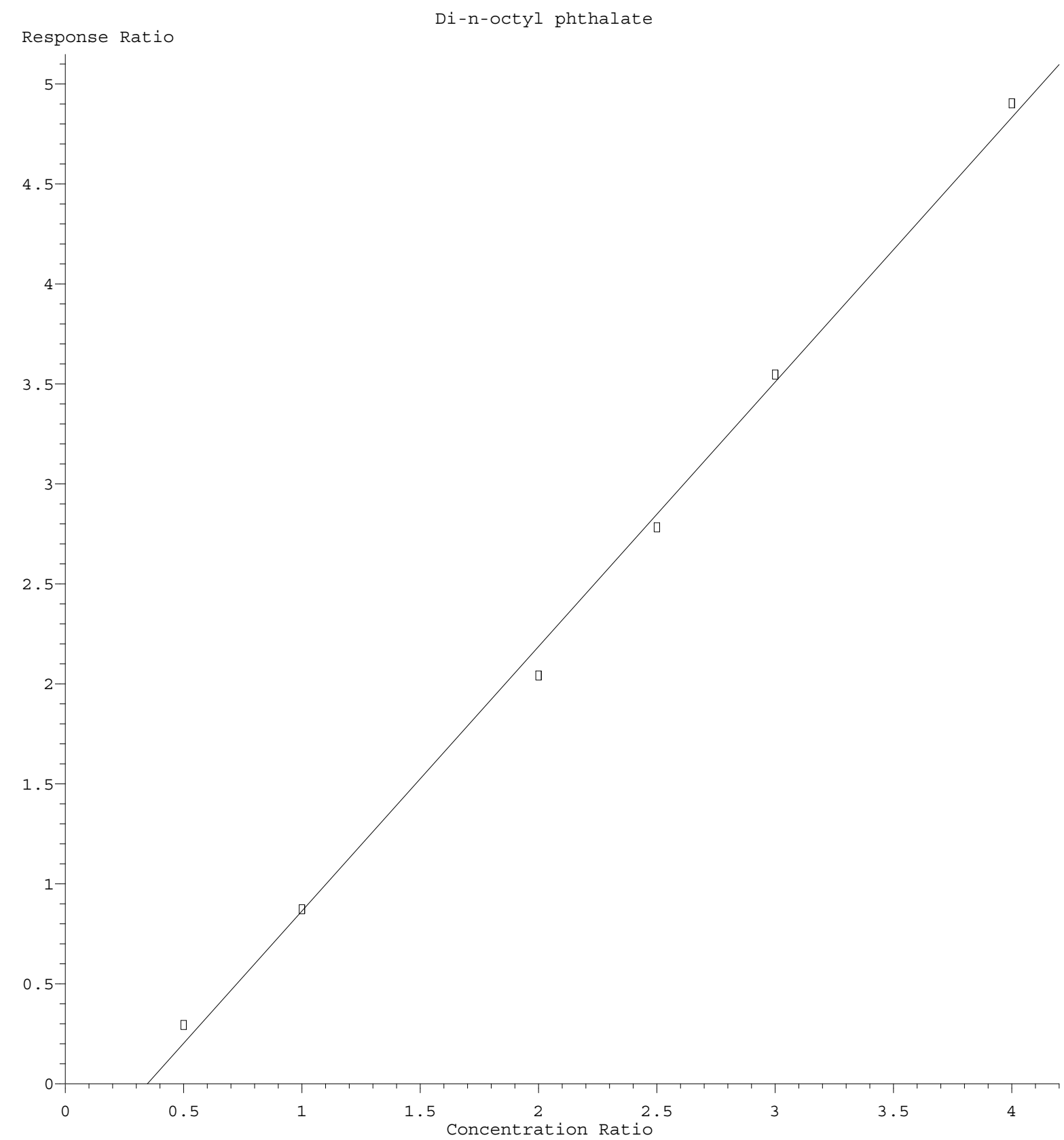
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG020325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.567	0.590	0.620	0.587	0.581	0.591	0.592	0.590	2.73
41)	P	Hexachlorocycl...	0.090	0.117	0.140	0.162	0.165	0.179	0.191	0.149	23.99
42)	S	2,4,6-Tribromo...		0.109	0.157	0.190	0.218	0.239	0.238	0.192	26.54
43)	C	2,4,6-Trichlor...	0.145	0.204	0.284	0.320	0.333	0.359	0.370	0.288	29.20
44)		2,4,5-Trichlor...	0.176	0.251	0.338	0.373	0.385	0.398	0.408	0.333	26.19
45)	S	2-Fluorobiphenyl	1.314	1.324	1.386	1.312	1.272	1.291	1.239	1.305	3.51
46)		1,1'-Biphenyl	1.521	1.526	1.586	1.526	1.489	1.518	1.493	1.523	2.09
47)		2-Chloronaphth...	1.029	1.123	1.170	1.105	1.108	1.122	1.113	1.110	3.78
48)		2-Nitroaniline	0.118	0.139	0.213	0.268	0.303	0.345	0.357	0.249	38.36
49)		Acenaphthylene	1.640	1.669	1.802	1.731	1.732	1.761	1.734	1.724	3.15
50)		Dimethylphthalate	1.029	1.165	1.359	1.380	1.427	1.482	1.440	1.326	12.52
51)		2,6-Dinitrotol...	0.092	0.125	0.185	0.230	0.250	0.288	0.289	0.208	37.12
52)	C	Acenaphthene	1.114	1.109	1.197	1.147	1.150	1.197	1.181	1.156	3.17
53)		3-Nitroaniline	0.113	0.152	0.222	0.267	0.288	0.316	0.309	0.238	33.25
54)	P	2,4-Dinitrophenol		0.028	0.044	0.051	0.061	0.075	0.085	0.057	36.47
55)		Dibenzofuran	1.864	1.874	1.961	1.867	1.849	1.898	1.831	1.878	2.24
56)	P	4-Nitrophenol		0.109	0.156	0.201	0.233	0.259	0.257	0.203	29.74
57)		2,4-Dinitrotol...	0.125	0.144	0.224	0.293	0.330	0.380	0.382	0.268	39.66
58)		Fluorene	1.494	1.463	1.486	1.437	1.421	1.475	1.383	1.451	2.74
59)		2,3,4,6-Tetrac...	0.146	0.217	0.299	0.336	0.363	0.400	0.400	0.309	31.18
60)		Diethylphthalate	1.062	1.227	1.416	1.478	1.535	1.617	1.506	1.406	13.82
61)		4-Chlorophenyl...	0.771	0.726	0.760	0.708	0.707	0.725	0.701	0.728	3.74
62)		4-Nitroaniline	0.163	0.191	0.250	0.289	0.319	0.345	0.315	0.267	25.71
63)		Azobenzene	1.689	1.619	1.684	1.636	1.653	1.717	1.626	1.661	2.21
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.024	0.031	0.042	0.049	0.059	0.069	0.046	36.63
66)	c	n-Nitrosodiphe...	0.540	0.532	0.576	0.568	0.546	0.558	0.562	0.555	2.84
67)		4-Bromophenyl-...	0.183	0.187	0.202	0.204	0.197	0.206	0.214	0.199	5.42
68)		Hexachlorobenzene	0.228	0.235	0.240	0.240	0.226	0.235	0.235	0.234	2.31
69)		Atrazine	0.141	0.169	0.185	0.197	0.200	0.203	0.196	0.185	12.11
70)	C	Pentachlorophenol		0.060	0.097	0.121	0.134	0.152	0.156	0.120	30.27#
71)		Phenanthrene	1.055	1.052	1.077	1.059	1.041	1.046	1.023	1.050	1.58
72)		Anthracene	1.053	1.037	1.065	1.066	1.036	1.060	1.040	1.051	1.23
73)		Carbazole	0.981	0.972	1.009	0.990	0.985	0.994	0.956	0.984	1.69
74)		Di-n-butylphth...	0.671	0.823	1.026	1.134	1.177	1.206	1.143	1.026	19.83
75)	C	Fluoranthene	1.312	1.267	1.302	1.293	1.289	1.280	1.211	1.279	2.62
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.275	0.387	0.474	0.471	0.454	0.430	0.491	0.426	17.58
78)		Pyrene	1.220	1.172	1.311	1.233	1.247	1.245	1.215	1.235	3.39
79)	S	Terphenyl-d14	1.005	0.966	1.023	0.951	0.958	0.925	0.875	0.958	5.14
80)		Butylbenzylpht...	0.150	0.219	0.329	0.388	0.424	0.455	0.459	0.346	34.83
81)		Benzo(a)anthra...	1.248	1.236	1.312	1.280	1.281	1.277	1.254	1.270	2.01
82)		3,3'-Dichlorob...	0.264	0.336	0.421	0.434	0.433	0.440	0.440	0.395	17.36
83)		Chrysene	1.273	1.235	1.331	1.248	1.268	1.273	1.218	1.264	2.87
84)		Bis(2-ethylhex...	0.272	0.402	0.575	0.650	0.689	0.717	0.723	0.575	30.31
85)	c	Di-n-octyl pht...		0.588	0.873	1.021	1.113	1.182	1.226	1.001	23.78

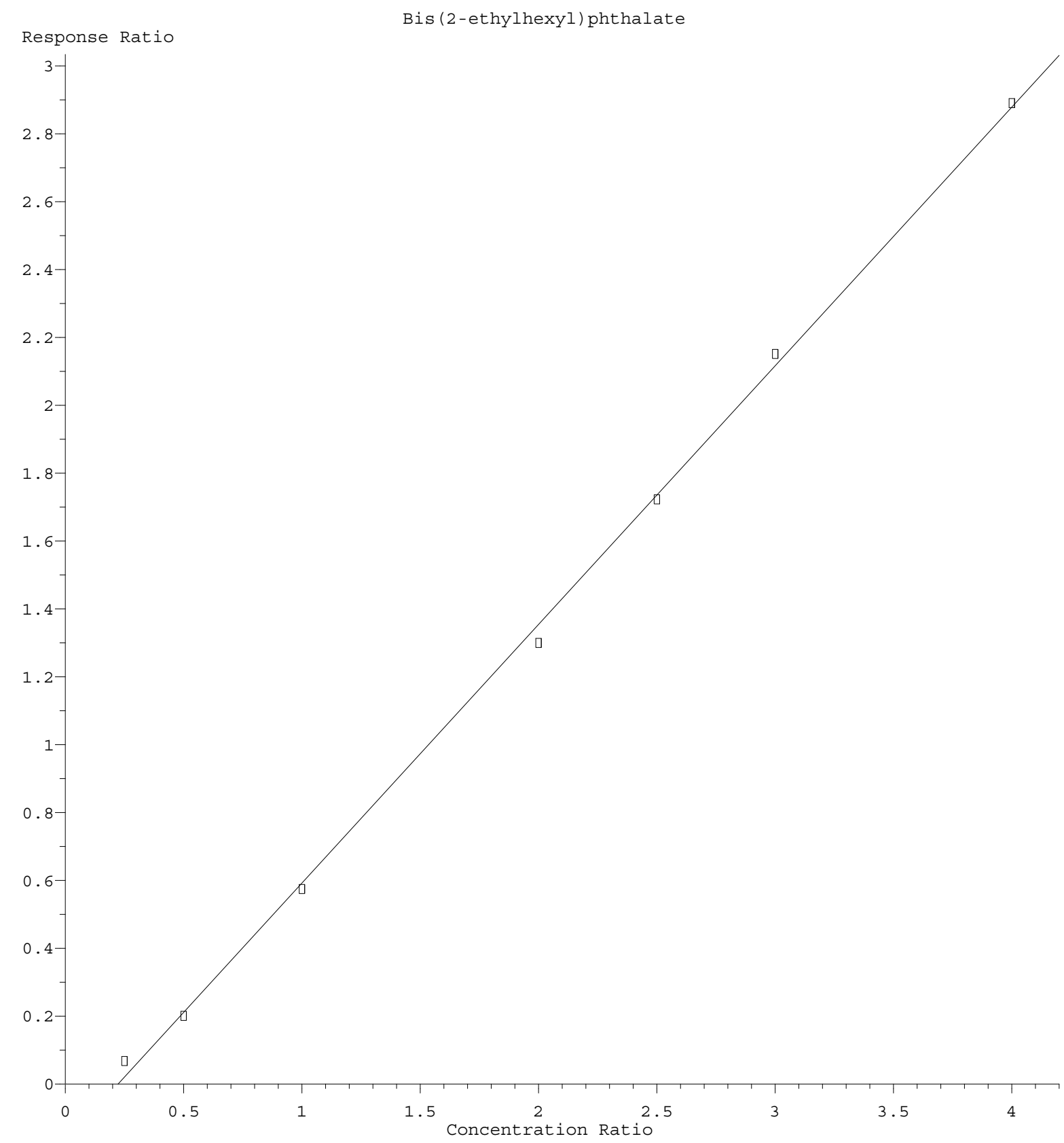
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG020325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.147	1.200	1.319	1.307	1.321	1.366	1.372	1.290	6.57
88)		Benzo(b)fluora...	1.093	1.094	1.243	1.202	1.194	1.207	1.210	1.178	5.04
89)		Benzo(k)fluora...	1.137	1.175	1.192	1.240	1.234	1.244	1.242	1.209	3.46
90)	C	Benzo(a)pyrene	0.959	0.976	1.078	1.065	1.072	1.107	1.100	1.051	5.61
91)		Dibenzo(a,h)an...	0.984	1.007	1.107	1.109	1.110	1.147	1.162	1.089	6.23
92)		Benzo(g,h,i)pe...	0.981	1.039	1.132	1.111	1.122	1.148	1.167	1.100	6.01

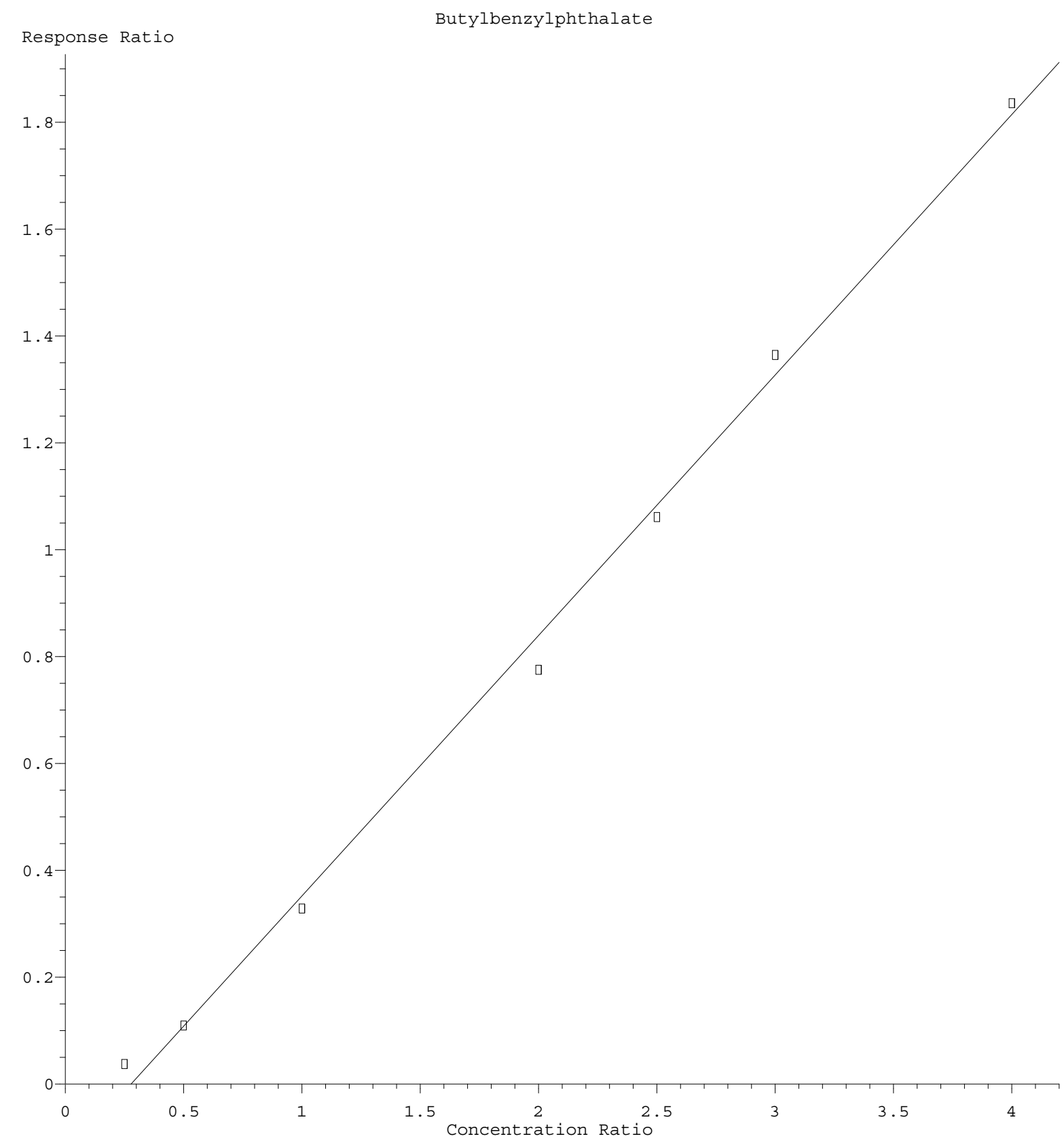
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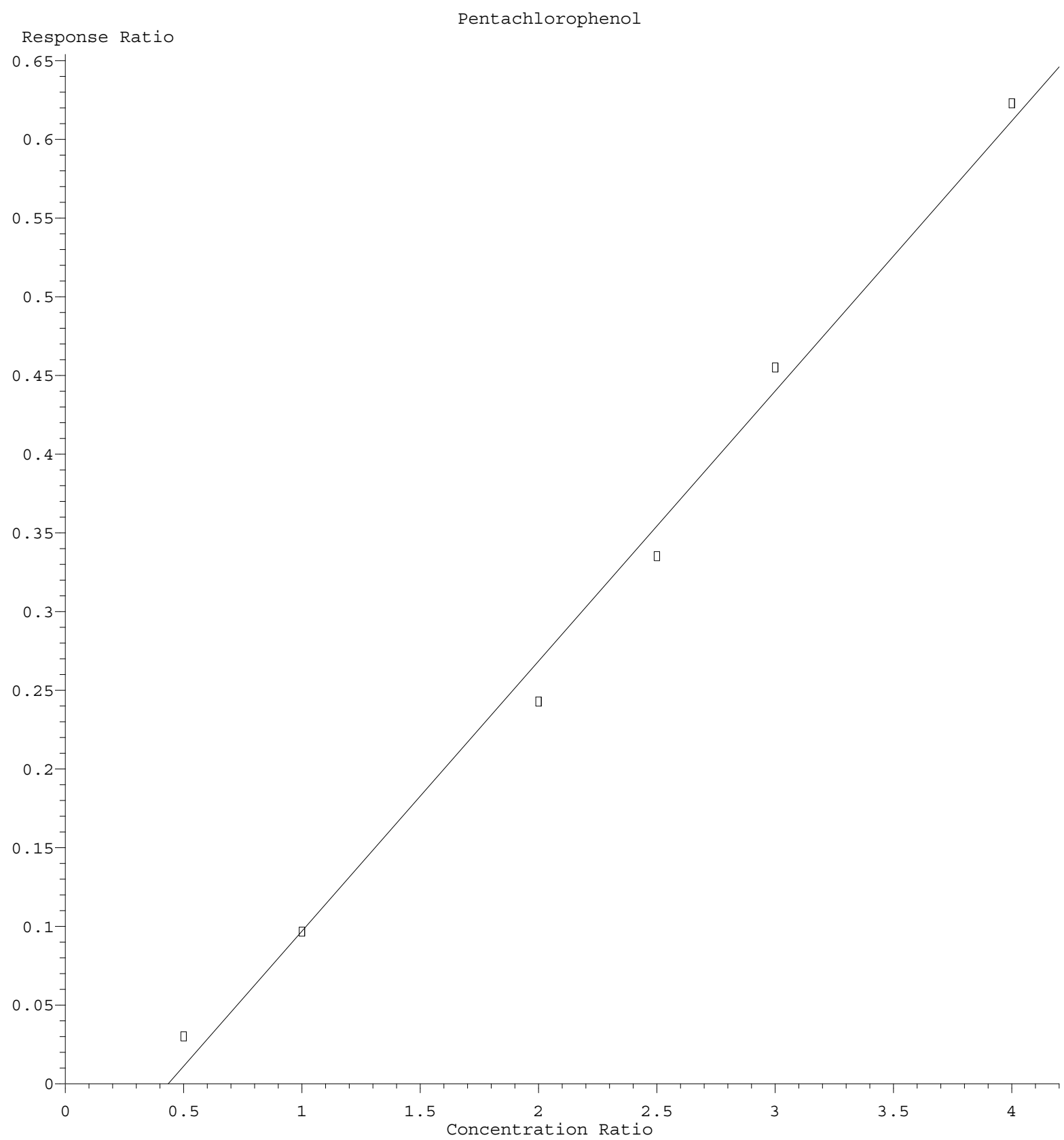
Response = 1.323e+000 * Amt - 4.591e-001
Coef of Det (r^2) = 0.997254 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



Response = 7.623e-001 * Amt - 1.703e-001
Coef of Det (r^2) = 0.998932 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025

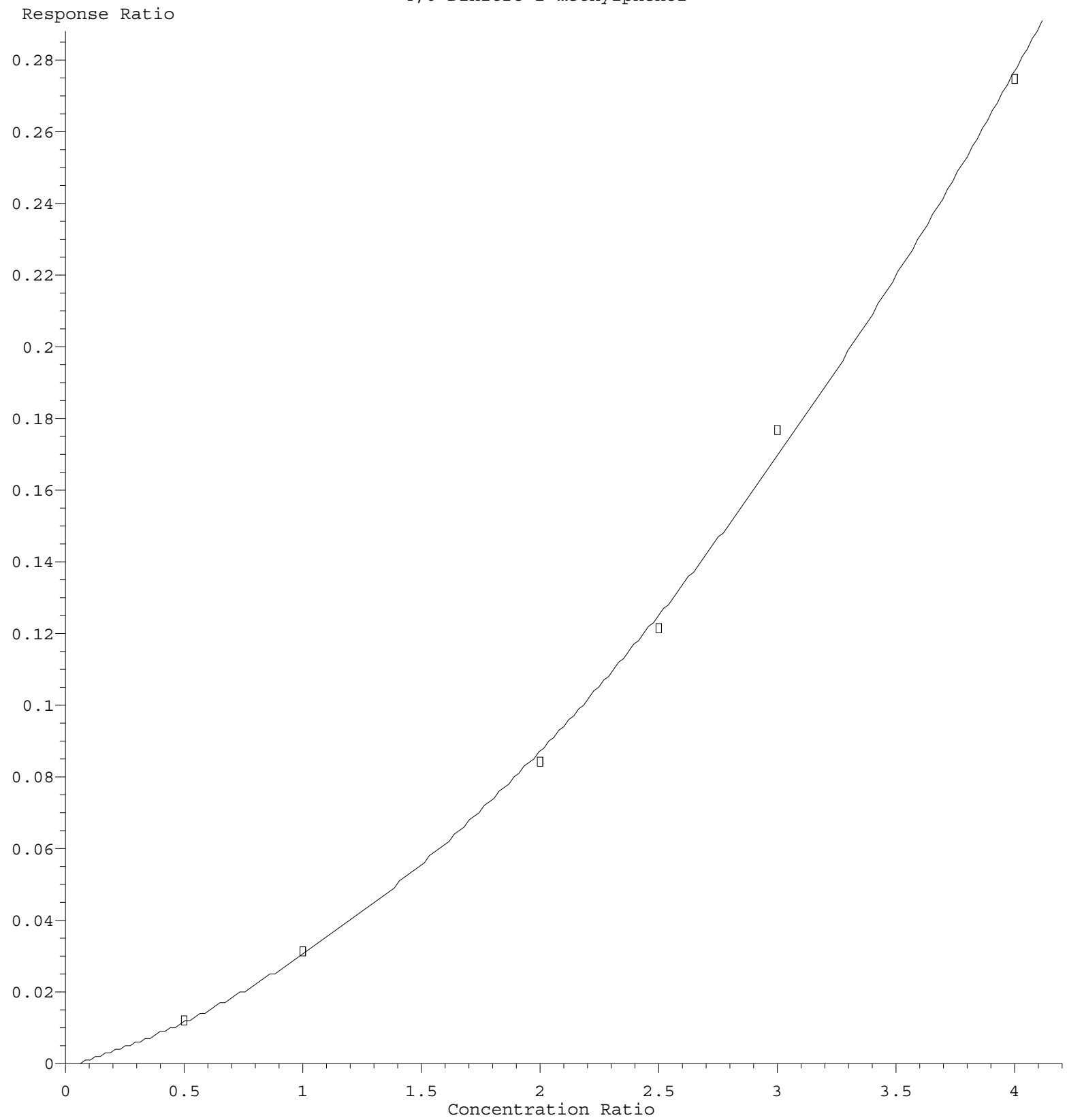


Response = 4.876e-001 * Amt - 1.355e-001
Coef of Det (r^2) = 0.996482 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025

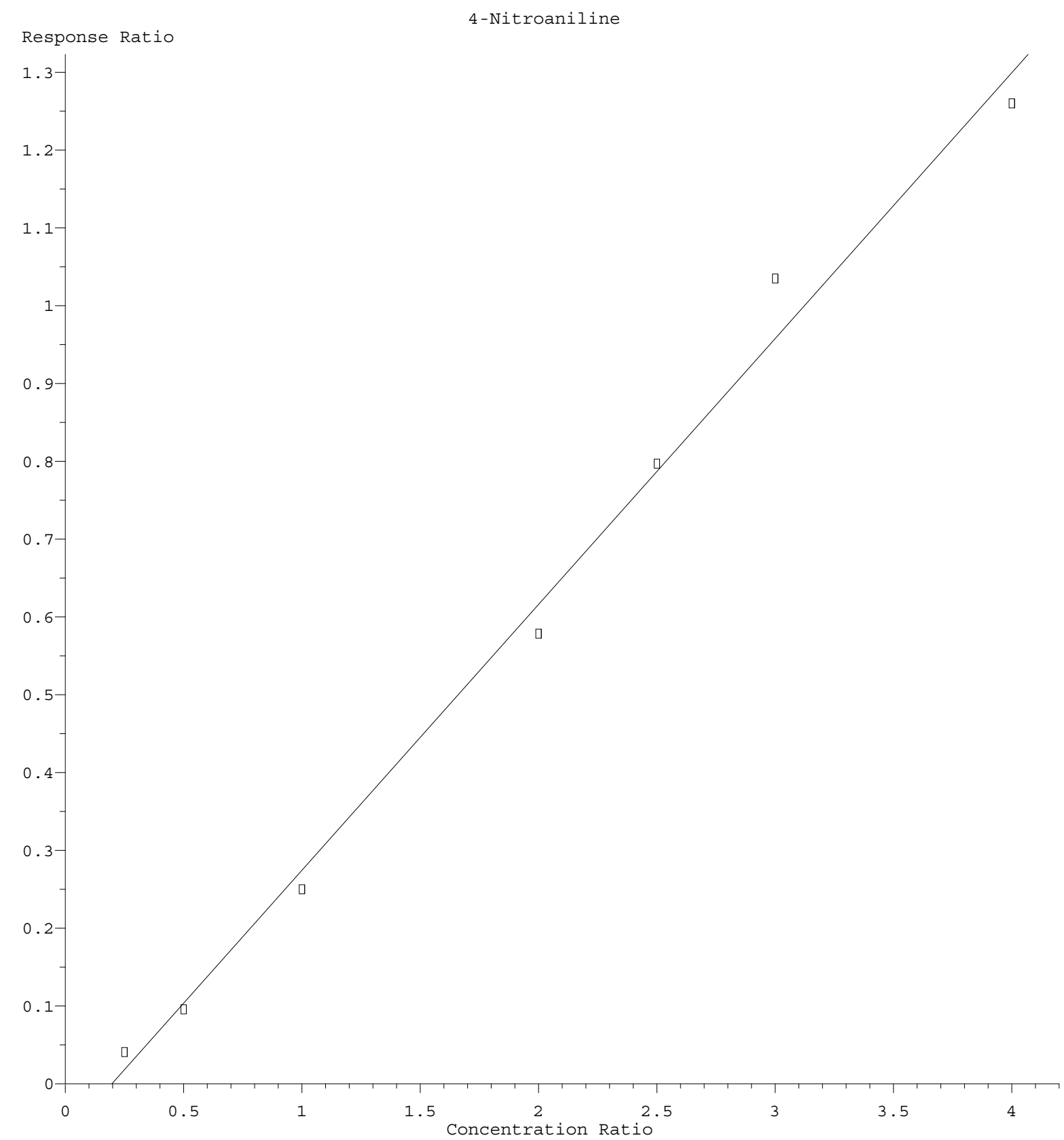


Response = 1.715e-001 * Amt - 7.454e-002
Coef of Det (r^2) = 0.992968 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025

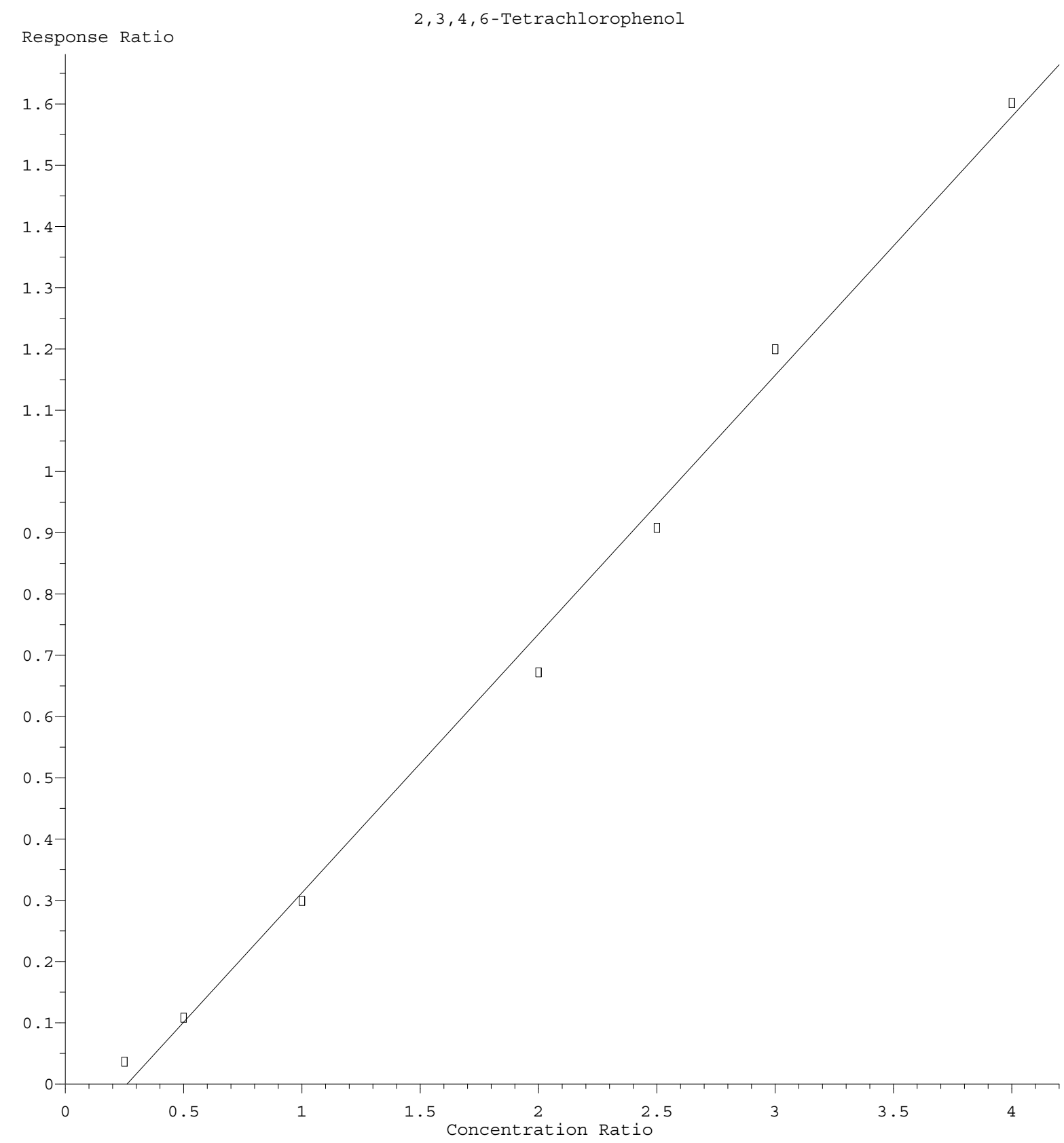
4,6-Dinitro-2-methylphenol



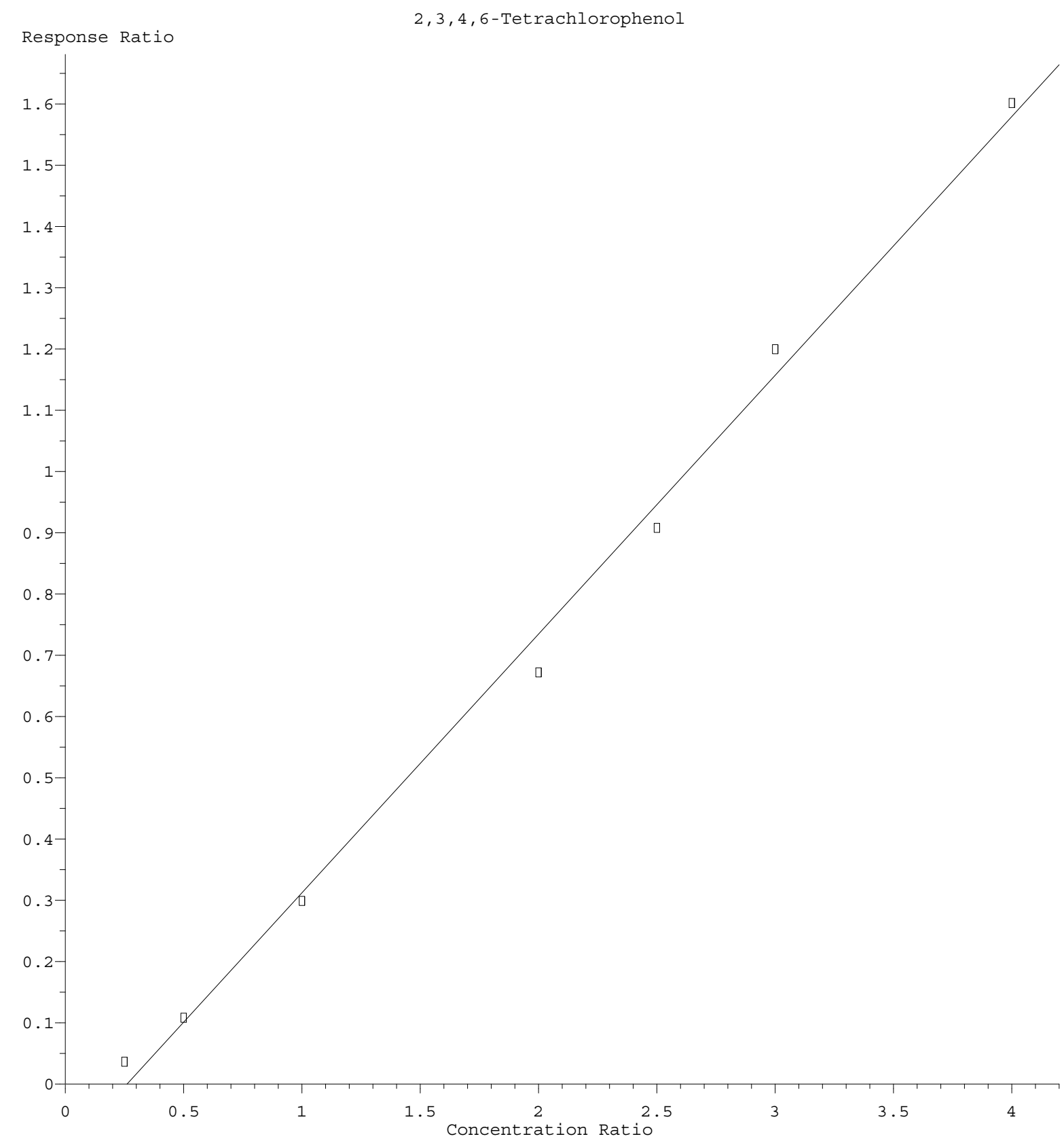
R = 1.269e-002 A*A + 1.868e-002 A - 8.757e-004
Coef of Det (r^2) = 0.998277 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



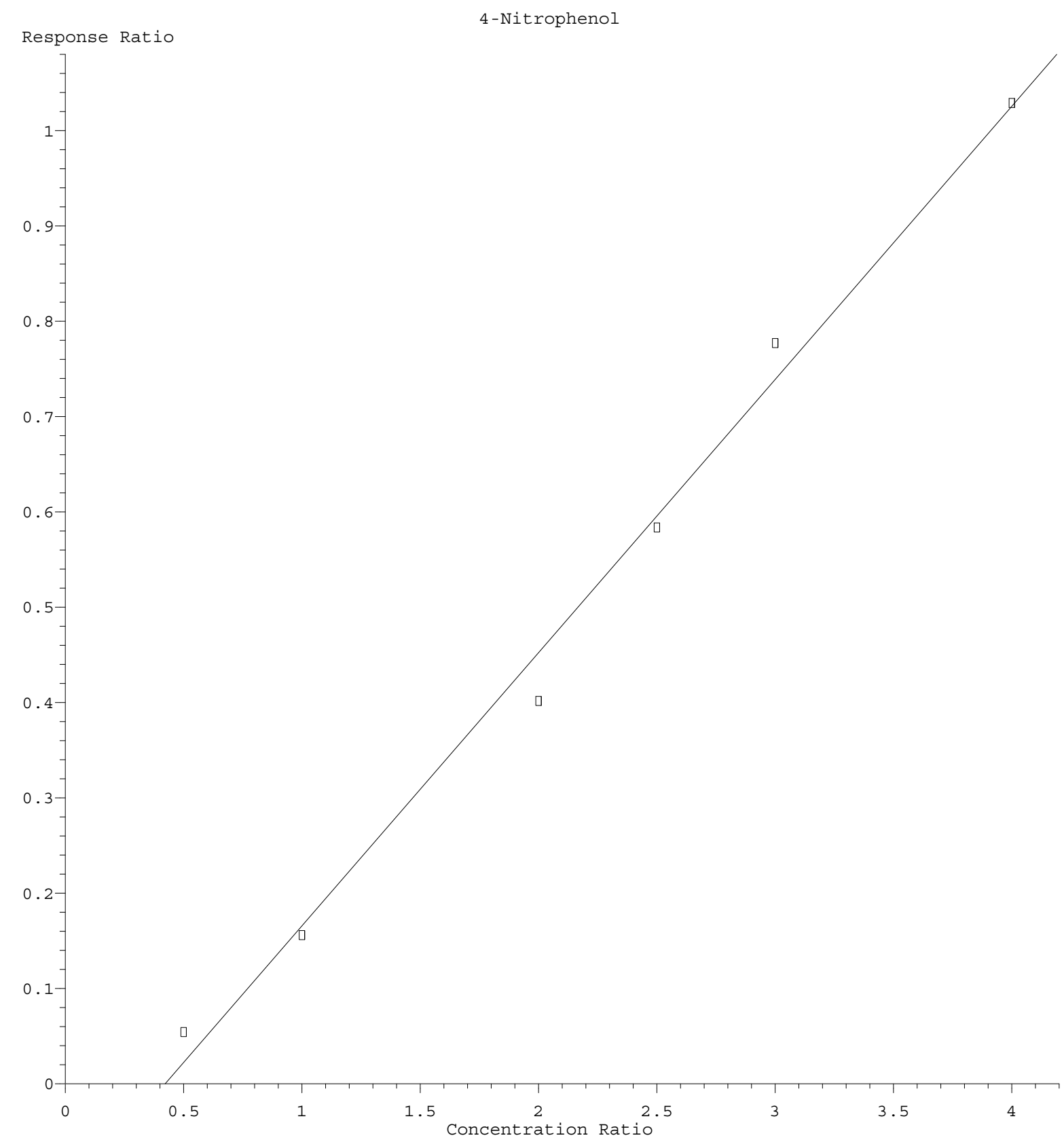
Response = 3.417e-001 * Amt - 6.721e-002
Coef of Det (r^2) = 0.992451 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



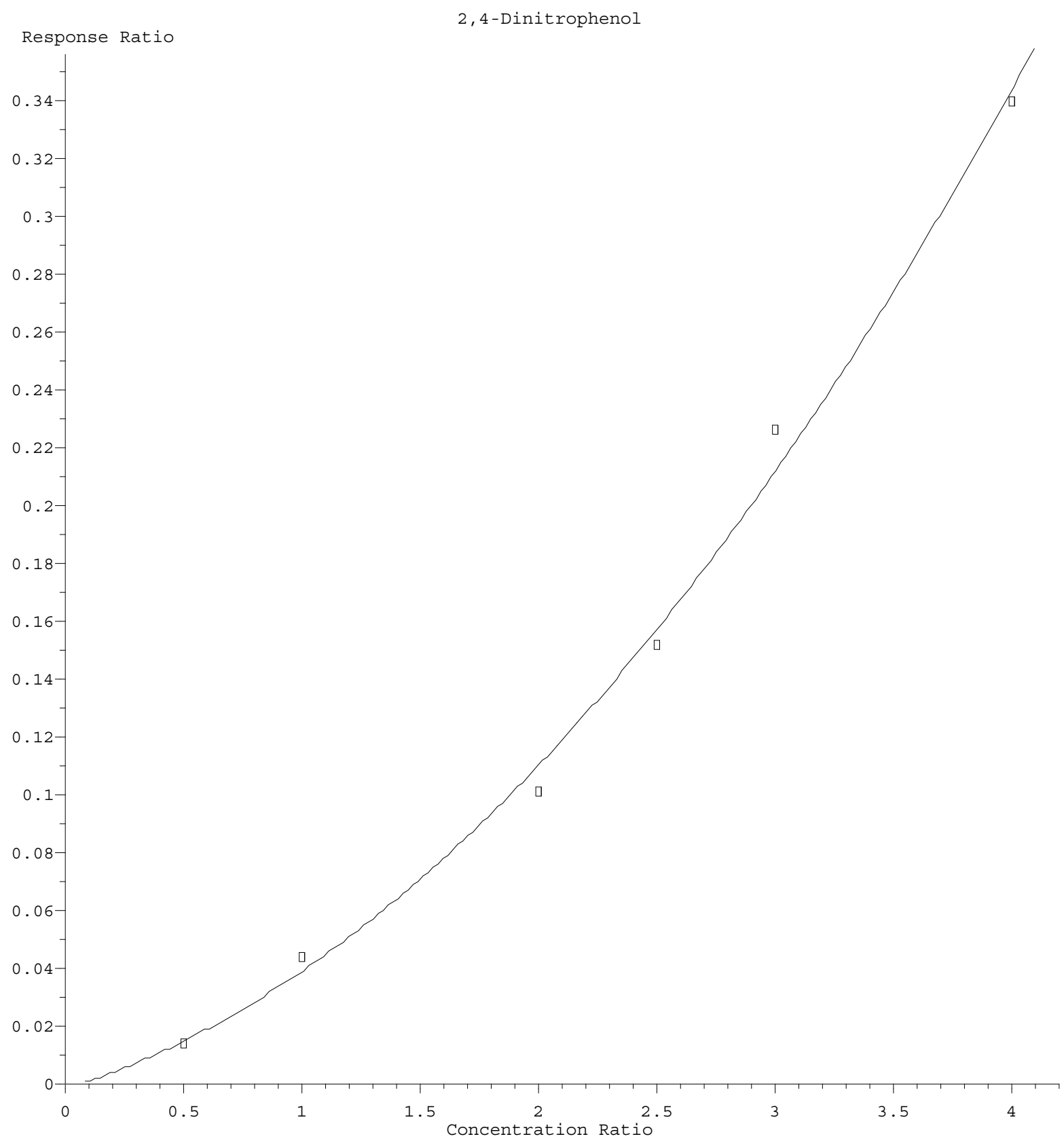
Response = 4.223e-001 * Amt - 1.100e-001
Coef of Det (r^2) = 0.995348 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



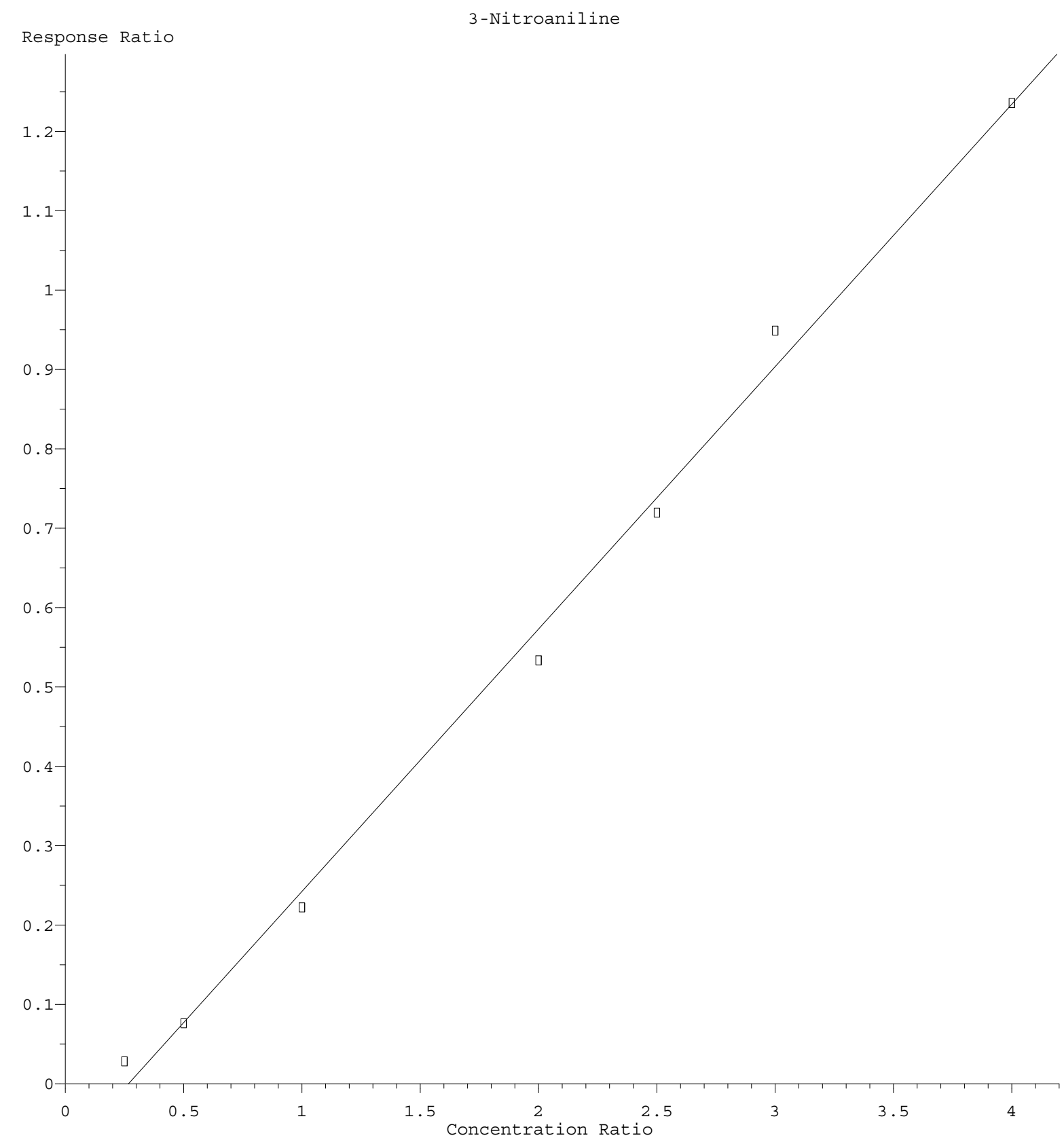
Response = 4.223e-001 * Amt - 1.100e-001
Coef of Det (r^2) = 0.995348 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



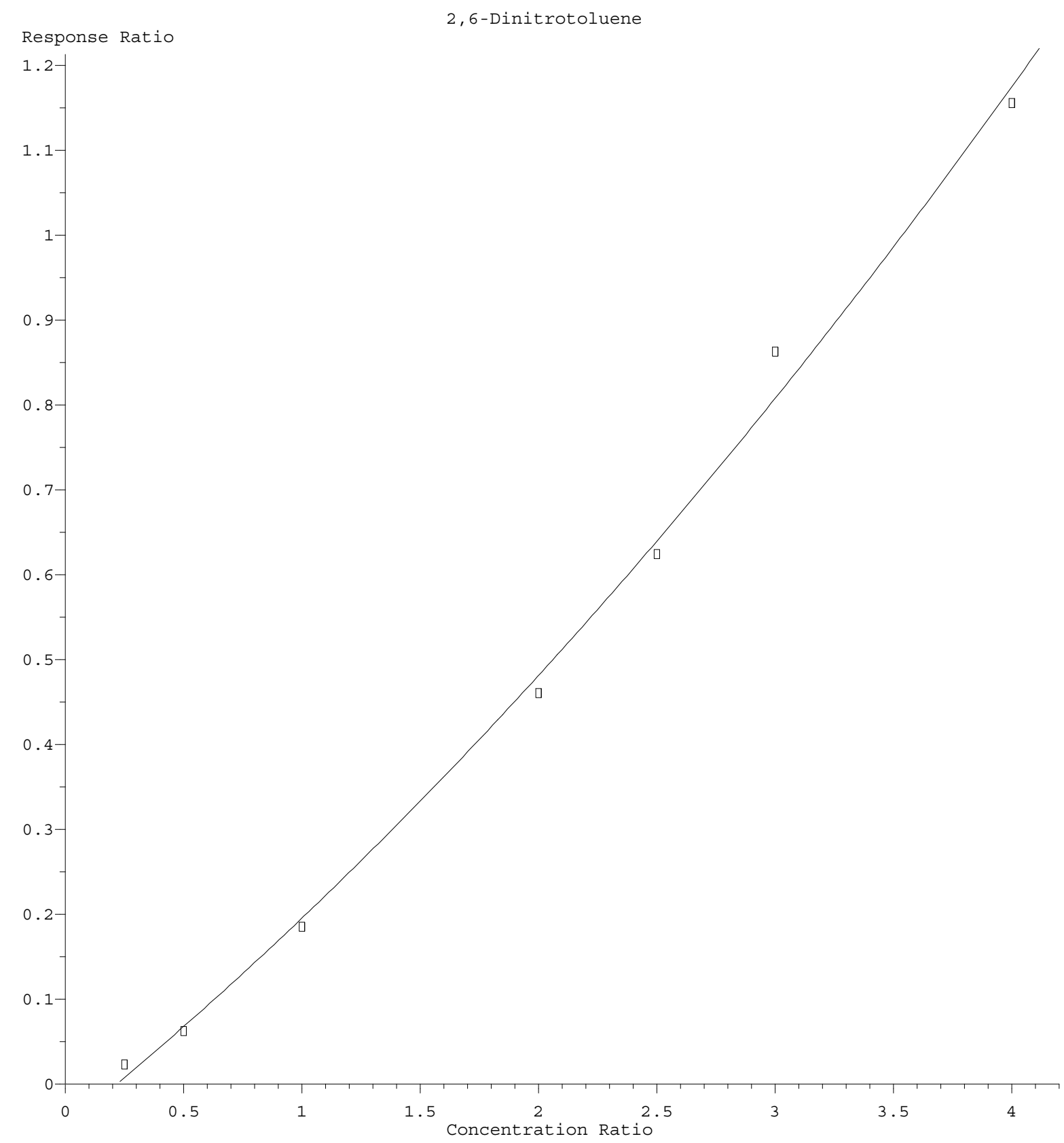
Response = 2.867e-001 * Amt - 1.209e-001
Coef of Det (r^2) = 0.992335 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



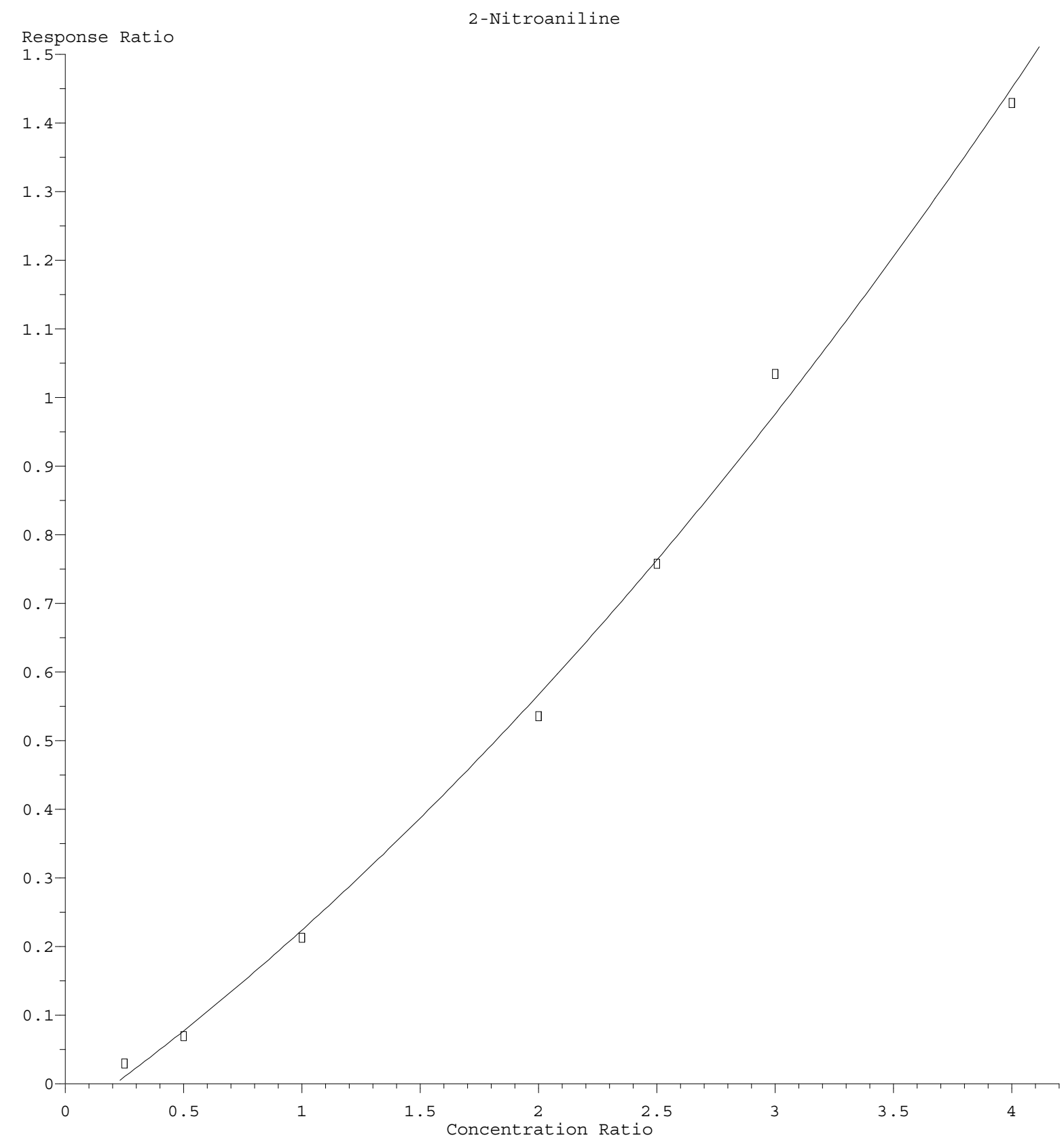
R = 1.520e-002 A*A + 2.559e-002 A - 1.746e-003
Coef of Det (r^2) = 0.995113 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



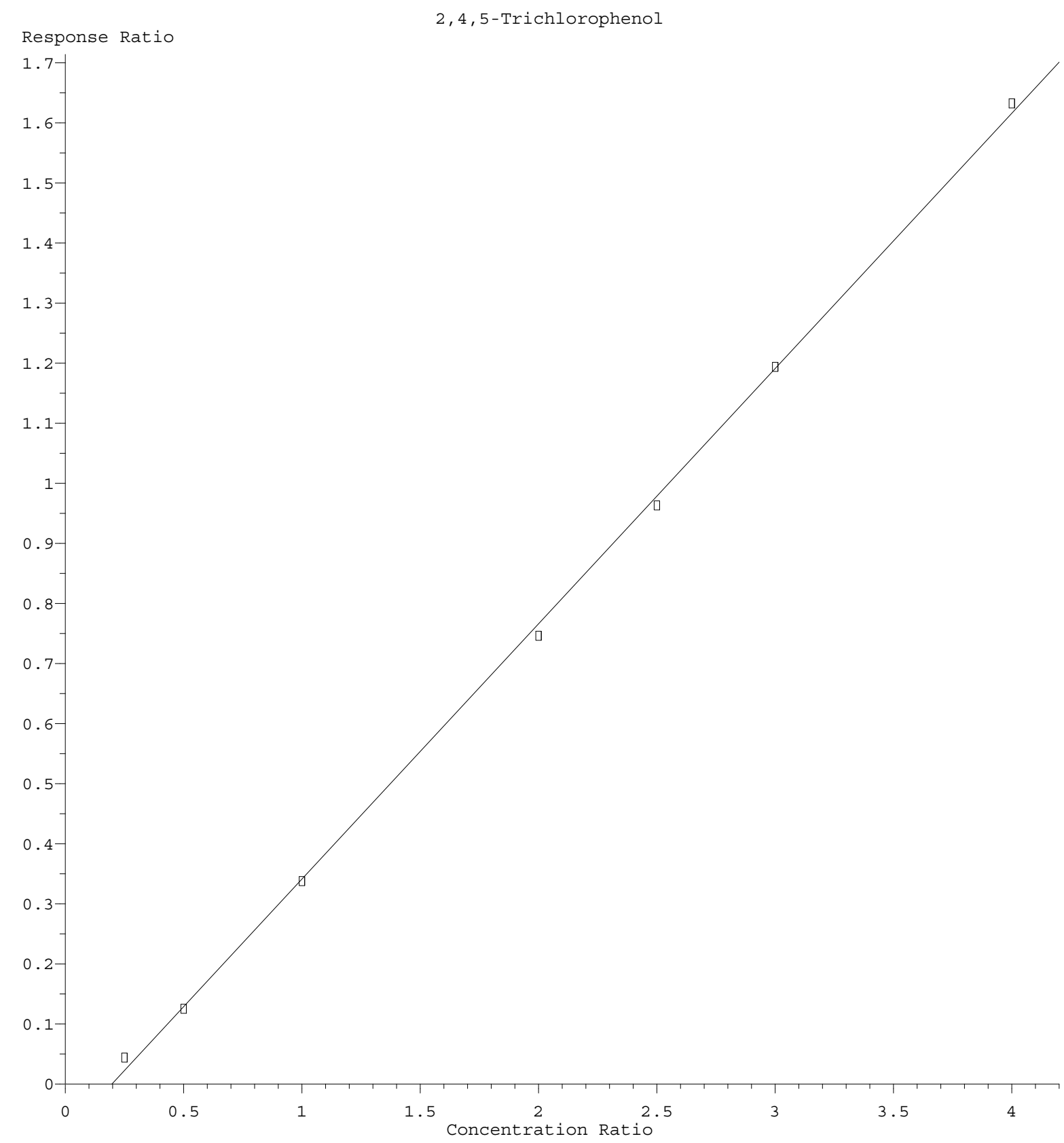
Response = 3.307e-001 * Amt - 8.820e-002
Coef of Det (r^2) = 0.995629 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



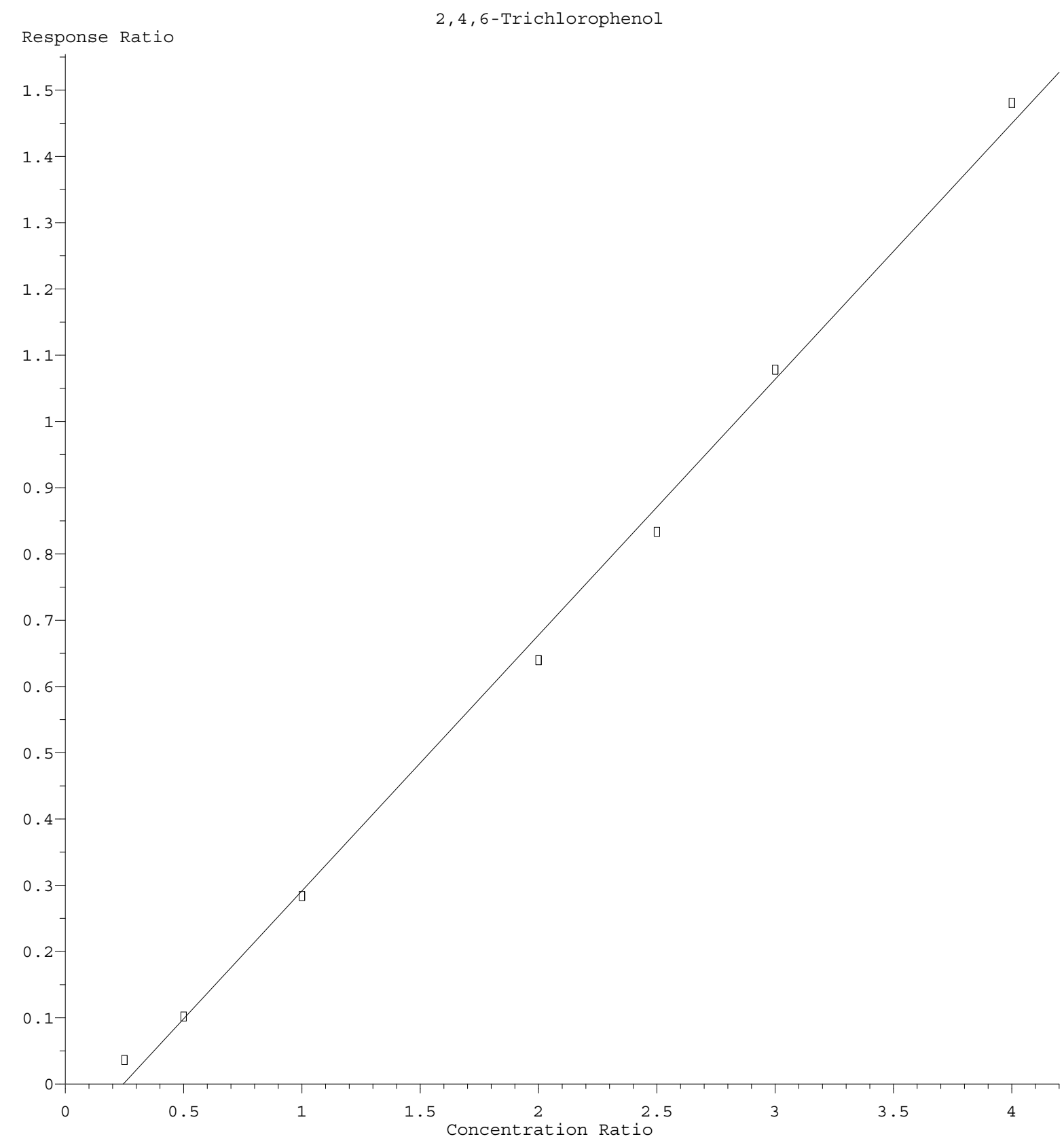
R = 2.028e-002 A*A + 2.251e-001 A - 4.992e-002
Coef of Det (r^2) = 0.995955 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



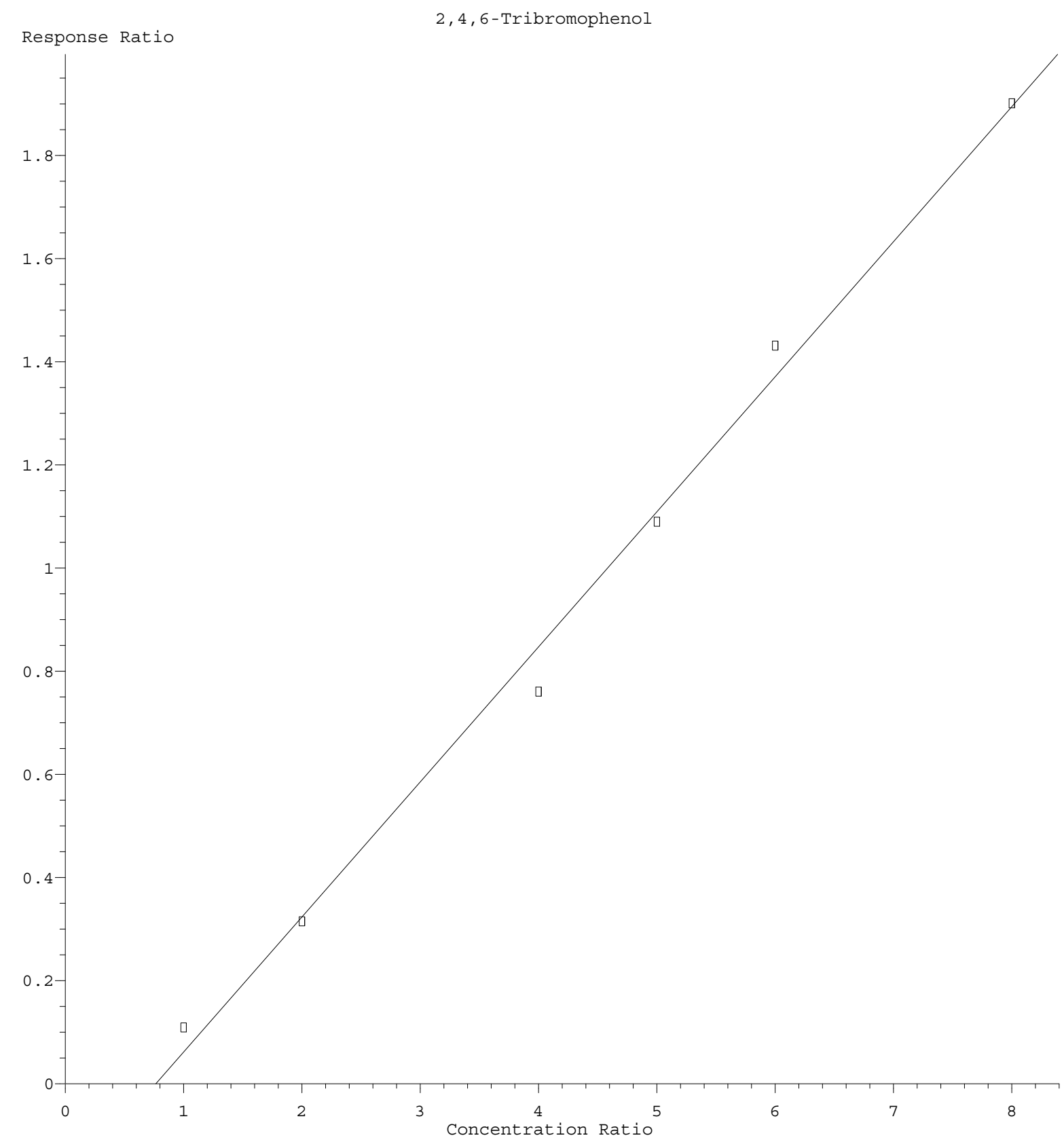
R = 3.302e-002 A*A + 2.440e-001 A - 5.306e-002
Coef of Det (r^2) = 0.996710 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



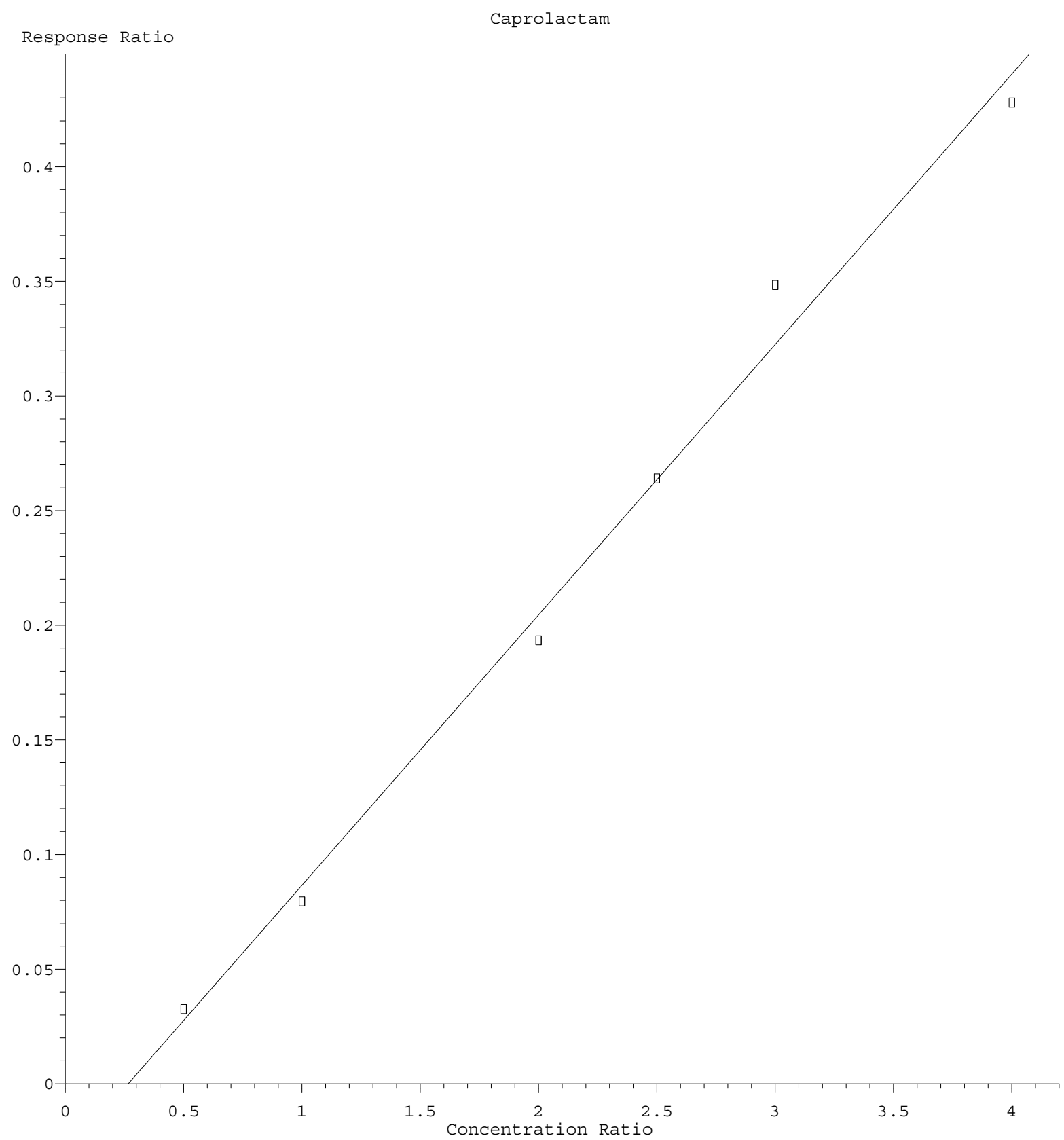
Response = 4.248e-001 * Amt - 8.367e-002
Coef of Det (r^2) = 0.999326 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



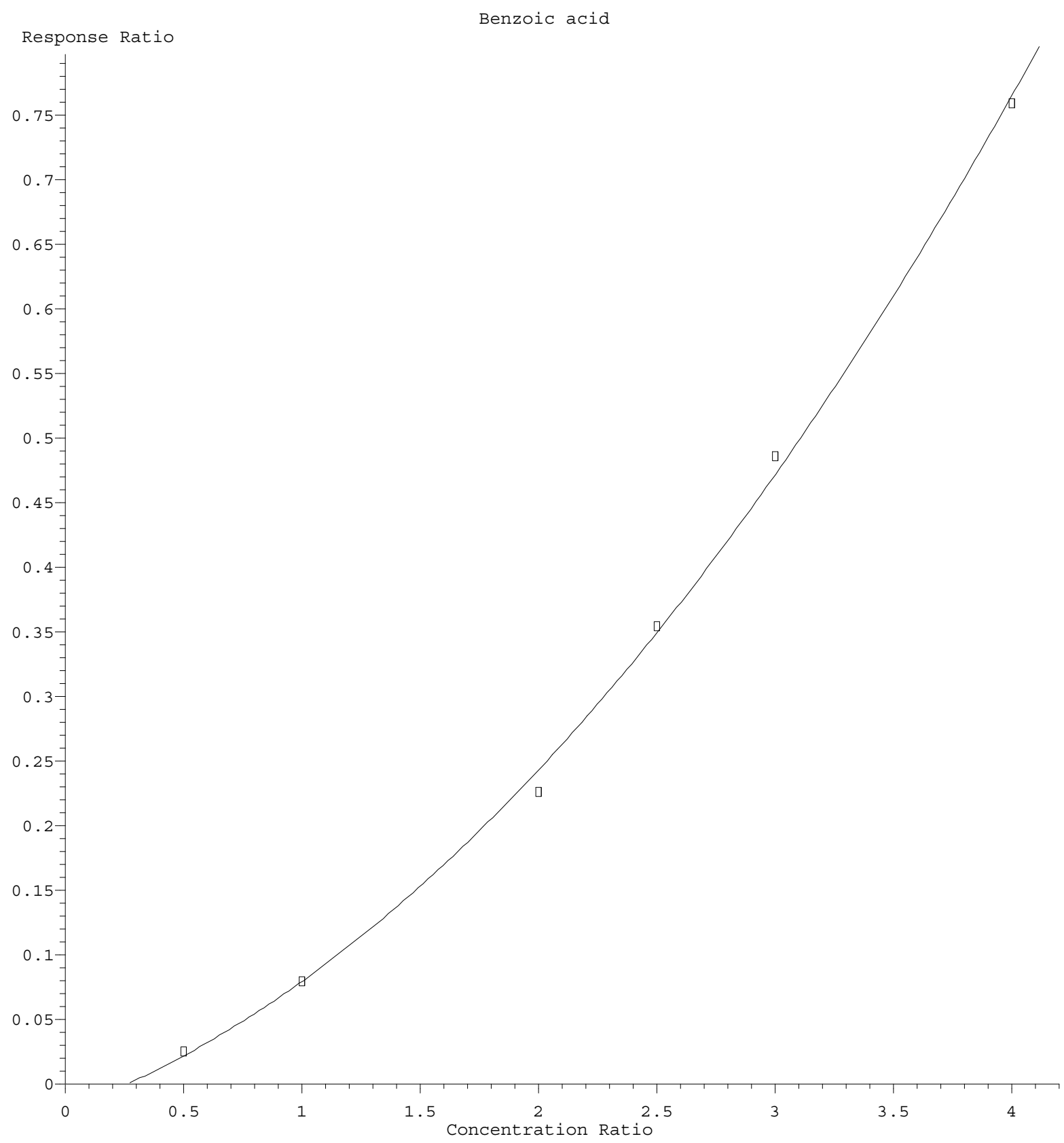
Response = 3.861e-001 * Amt - 9.455e-002
Coef of Det (r^2) = 0.996952 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



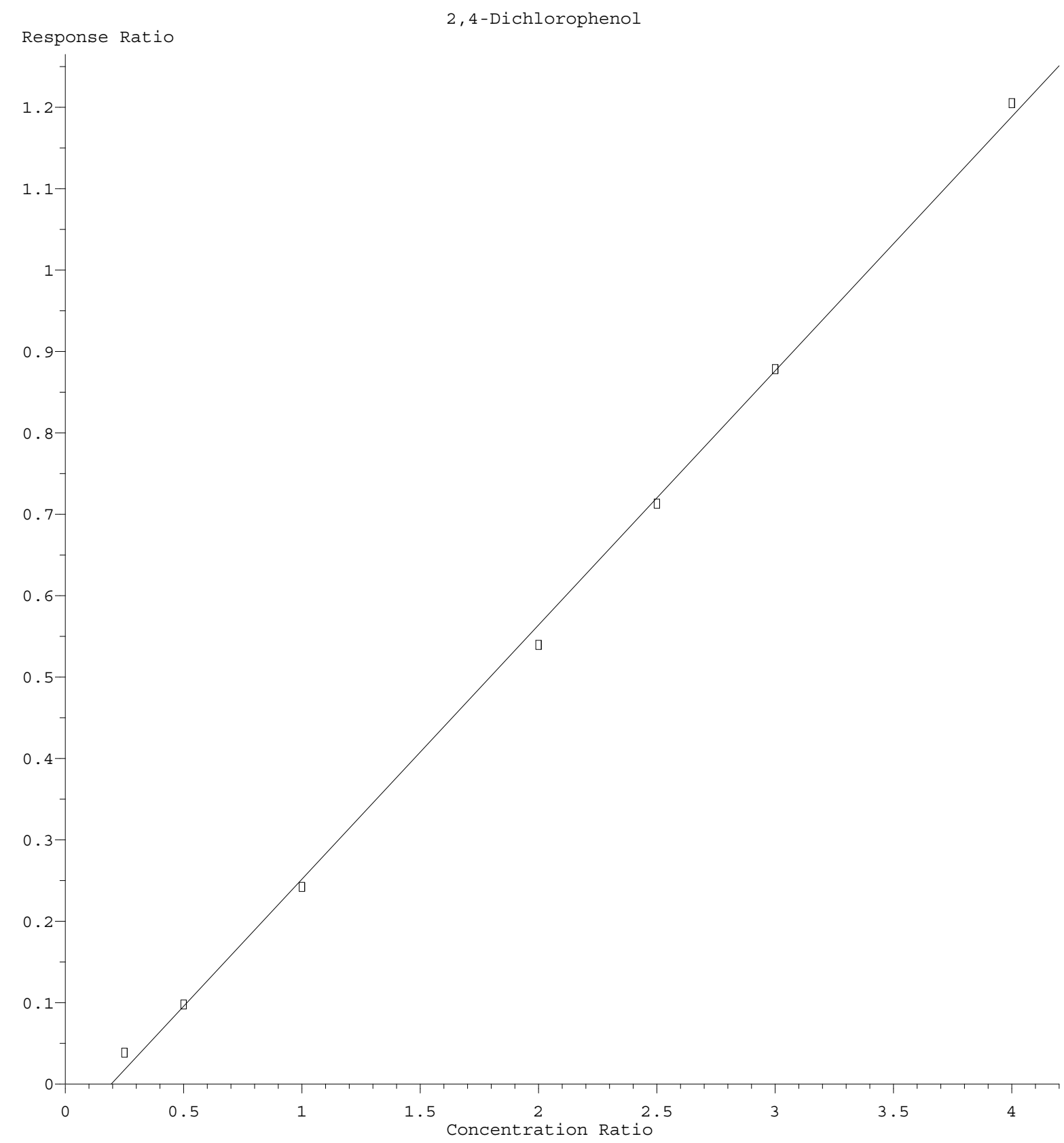
Response = 2.619e-001 * Amt - 2.004e-001
Coef of Det (r^2) = 0.993944 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



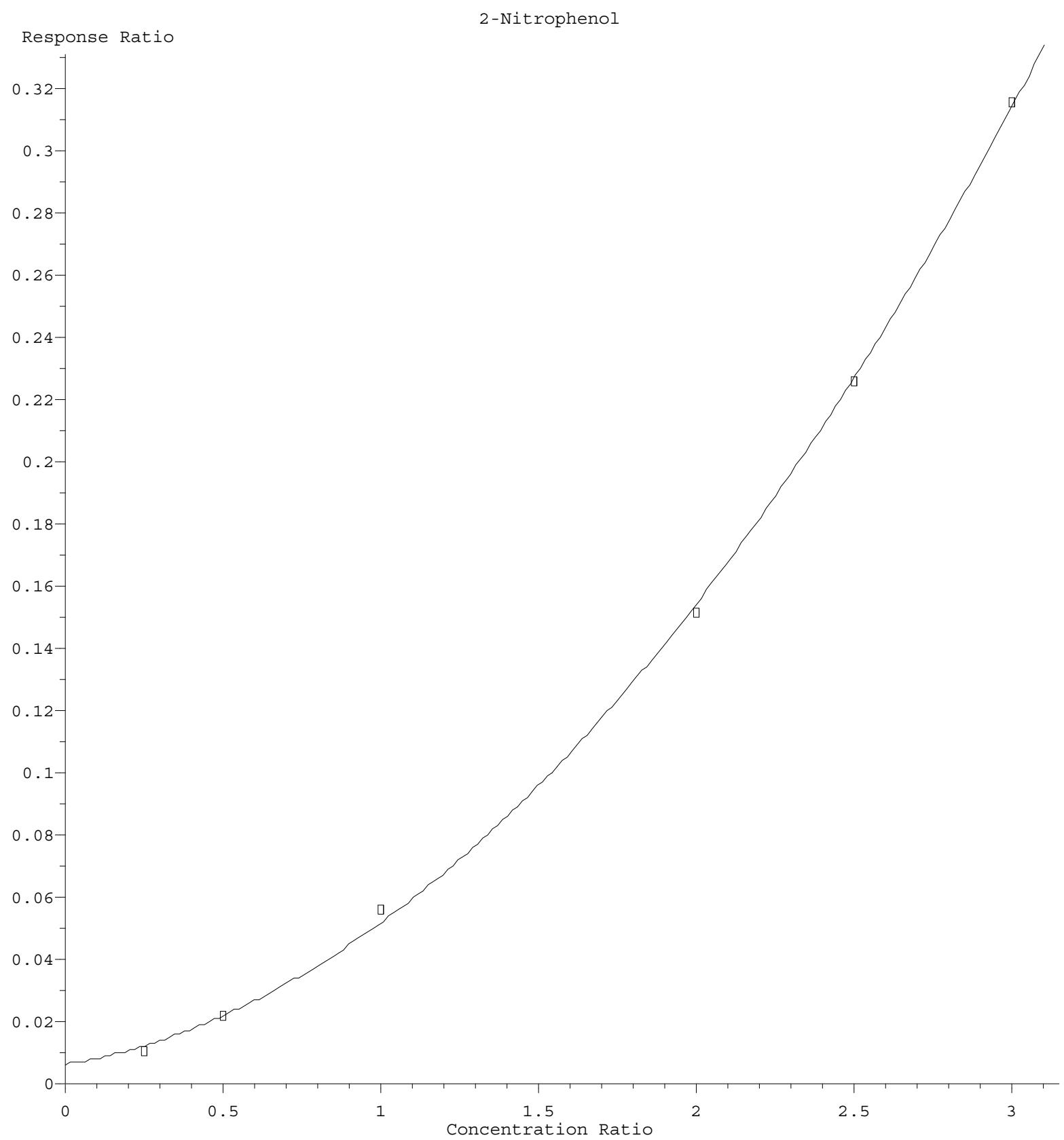
Response = 1.180e-001 * Amt - 3.139e-002
Coef of Det (r^2) = 0.991256 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



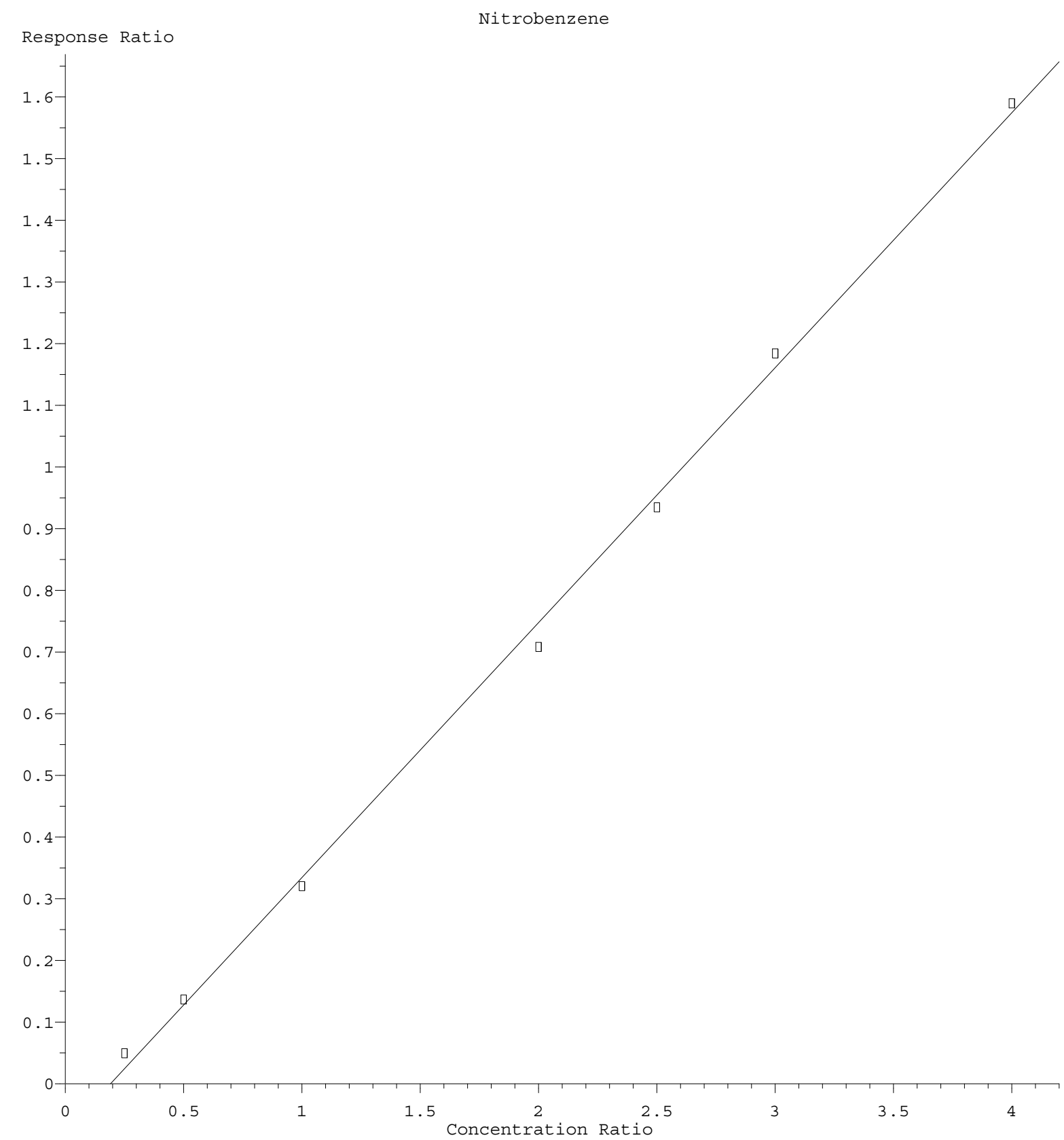
R = 3.239e-002 A*A + 6.658e-002 A - 1.953e-002
Coef of Det (r^2) = 0.998491 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



Response = 3.124e-001 * Amt - 6.059e-002
Coef of Det (r^2) = 0.998695 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



R = 2.852e-002 A*A + 1.701e-002 A + 6.243e-003
Coef of Det (r^2) = 0.999558 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025



Response = 4.133e-001 * Amt - 7.906e-002
Coef of Det (r^2) = 0.998159 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG020325.M
Calibration Table Last Updated: Tue Feb 04 02:51:00 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063975.D
Acq On : 3 Feb 2025 11:18
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 04 01:40:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 01:36:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	58706	20.000	ng	0.00
21) Naphthalene-d8	10.658	136	250924	20.000	ng	0.00
39) Acenaphthene-d10	14.495	164	167546	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	379429	20.000	ng	0.00
76) Chrysene-d12	21.469	240	426576	20.000	ng	0.00
86) Perylene-d12	24.495	264	429230	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...	8.672	70	7781	2.080	ng	# 98

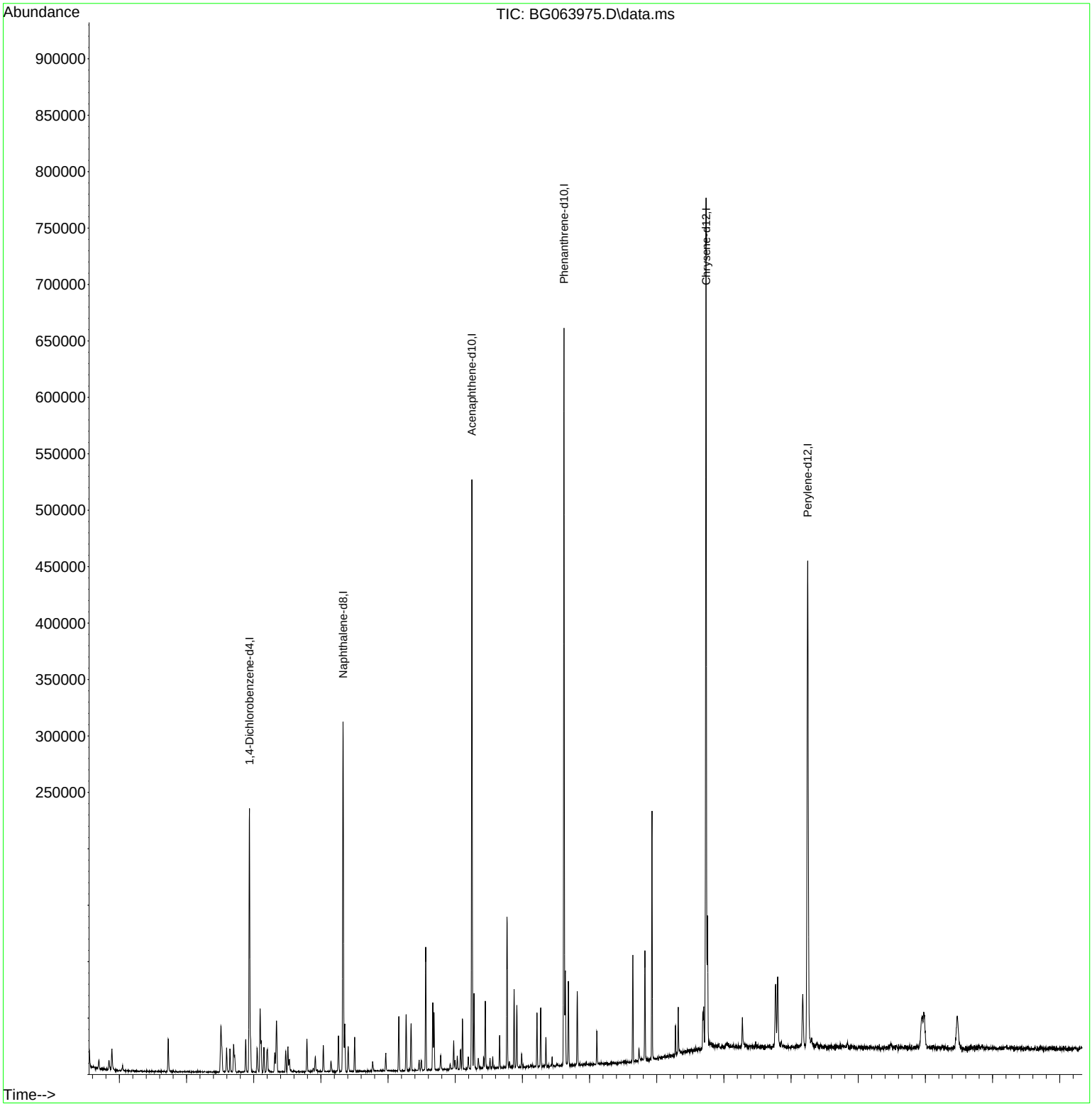
(#) = qualifier out of range (m) = manual integration (+) = signals summed

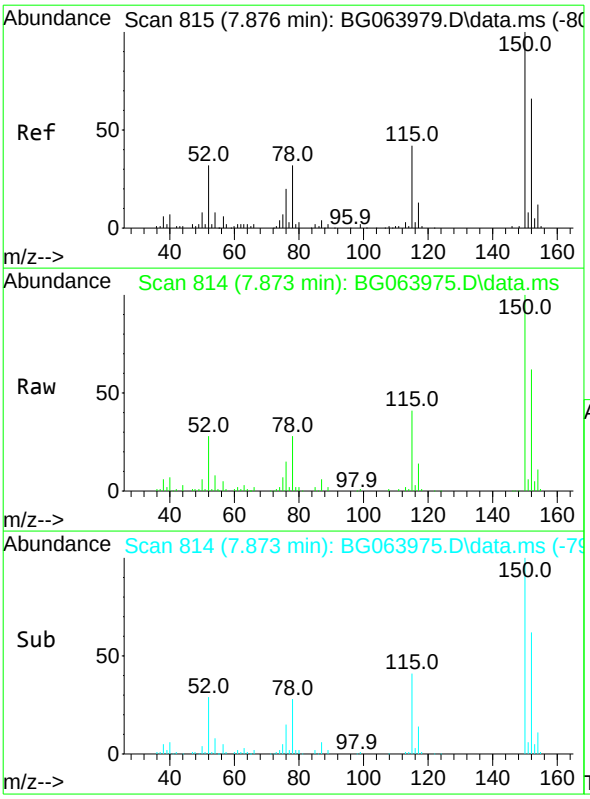
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063975.D
Acq On : 3 Feb 2025 11:18
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 04 01:40:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 01:36:49 2025
Response via : Initial Calibration



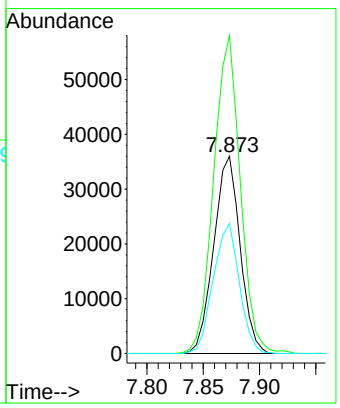


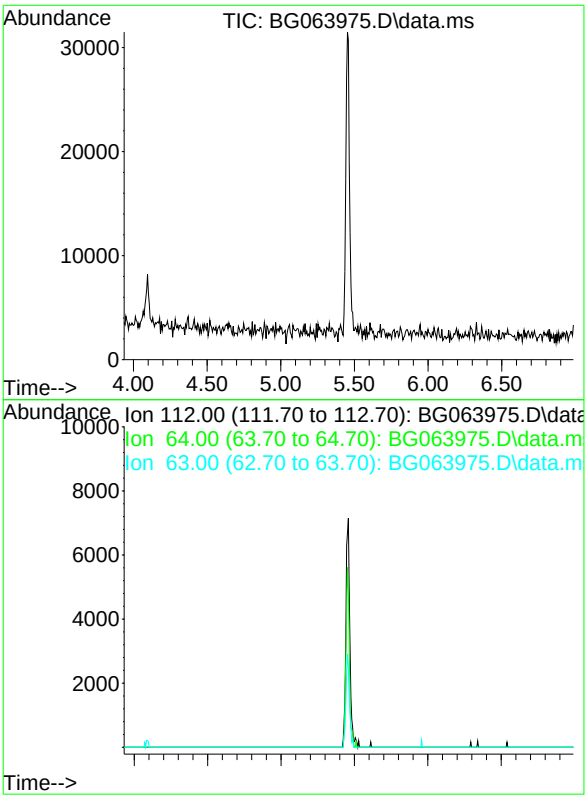
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.873 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 58706

Ion	Ratio	Lower	Upper
152	100		
150	161.2	121.0	181.6
115	65.8	50.4	75.6



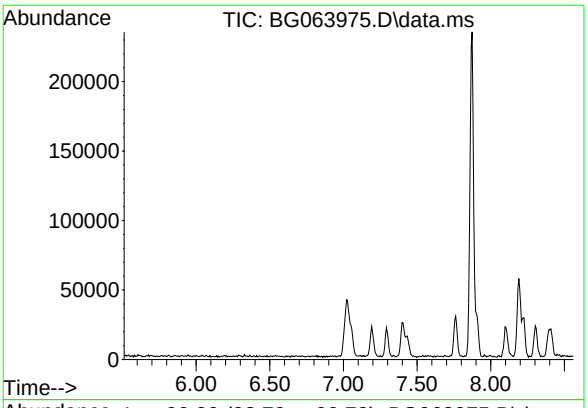


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.46 min

Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	69.8
63	36.6



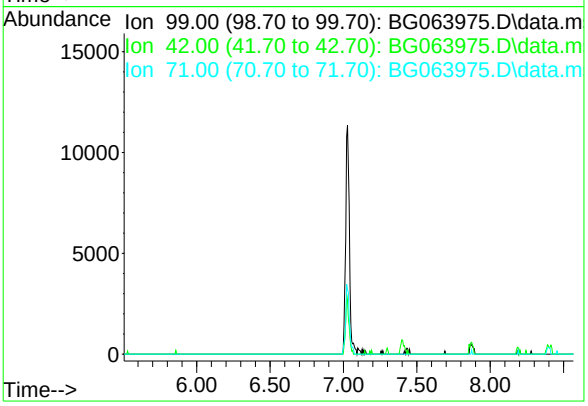
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.04 min

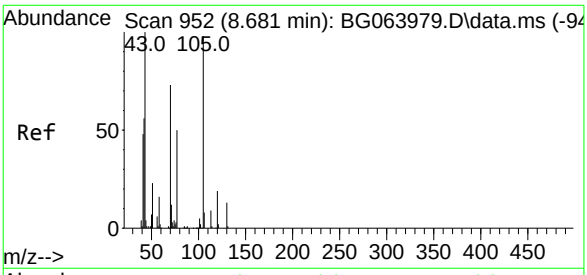
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

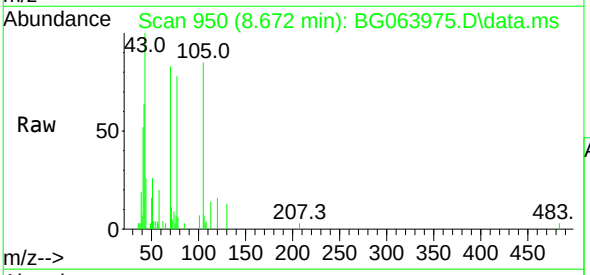
Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

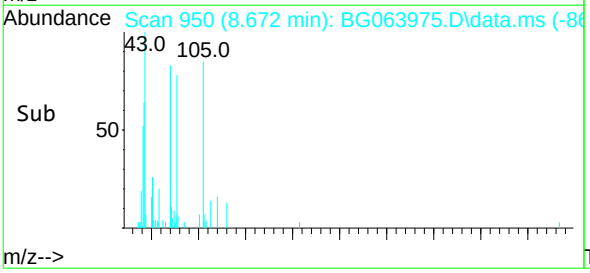
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	23.6
71	33.8





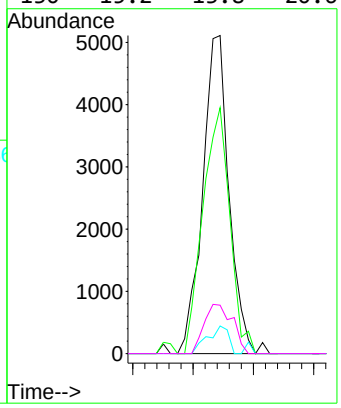


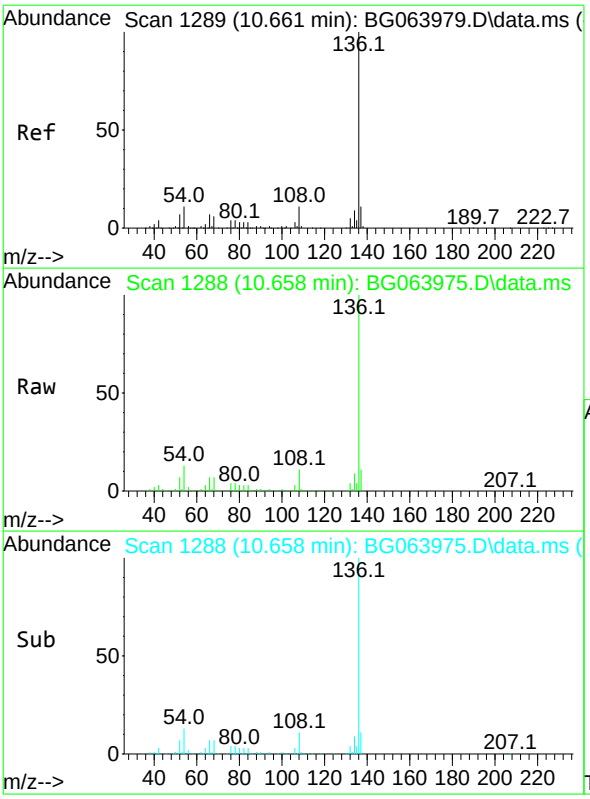


#19
n-Nitroso-di-n-propylamine
Concen: 2.080 ng
RT: 8.672 min Scan# 950
Delta R.T. -0.009 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Tgt Ion: 70 Resp: 7781

Ion	Ratio	Lower	Upper
70	100		
42	77.3	62.2	93.4
101	8.7	5.6	8.4#
130	15.2	13.8	20.6



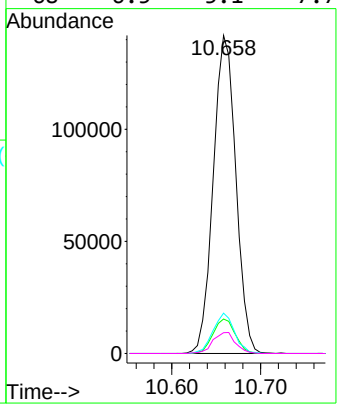


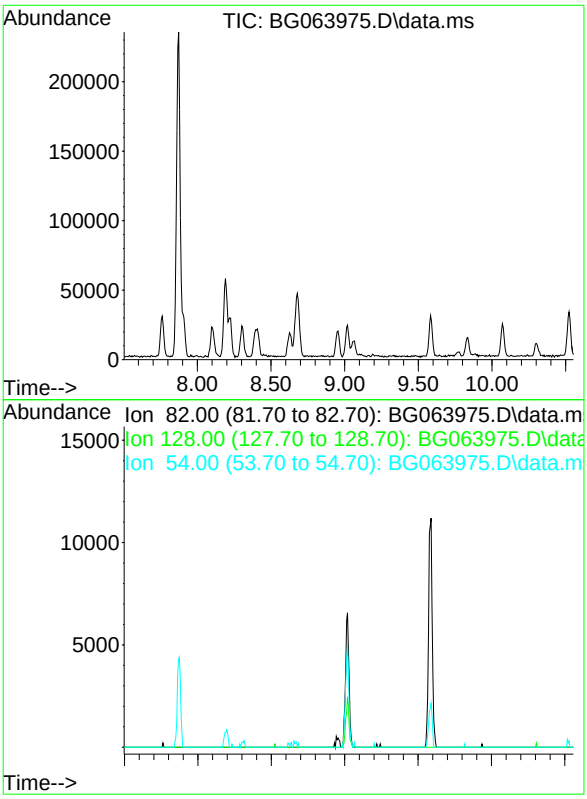
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.658 min Scan# 12
Delta R.T. -0.003 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 250924

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	12.7	9.2	13.8
68	6.5	5.1	7.7



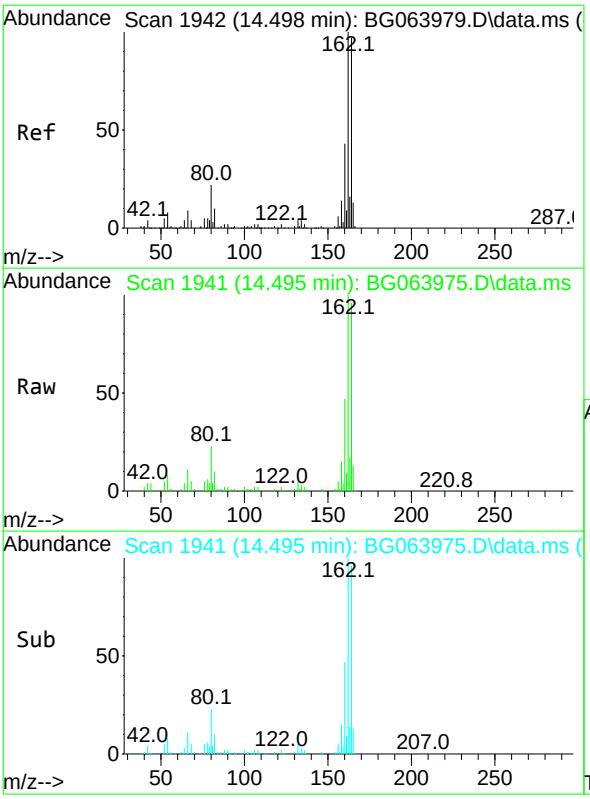


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.03 min

Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	36.8
54	62.4

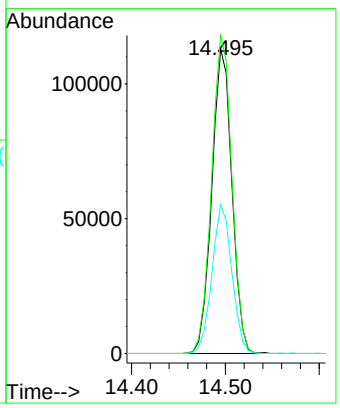


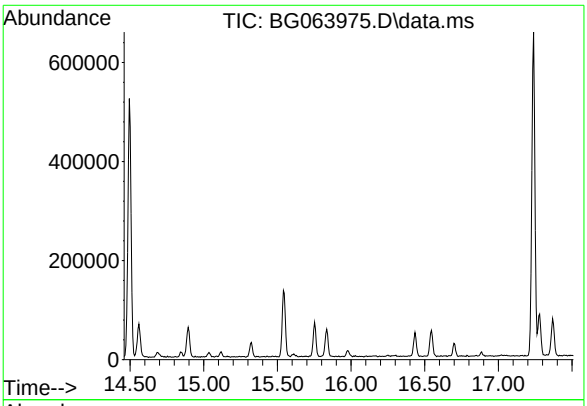
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.495 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 167546

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.3	123.5
160	48.9	35.4	53.0



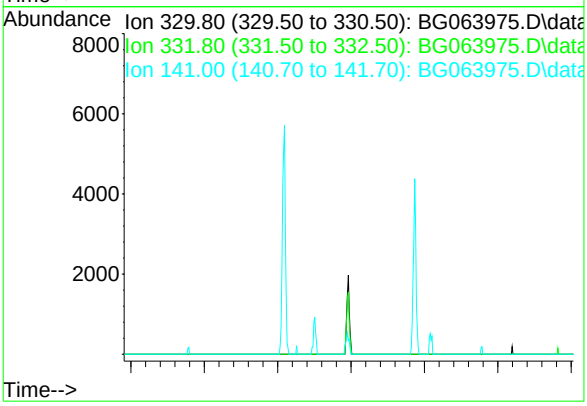


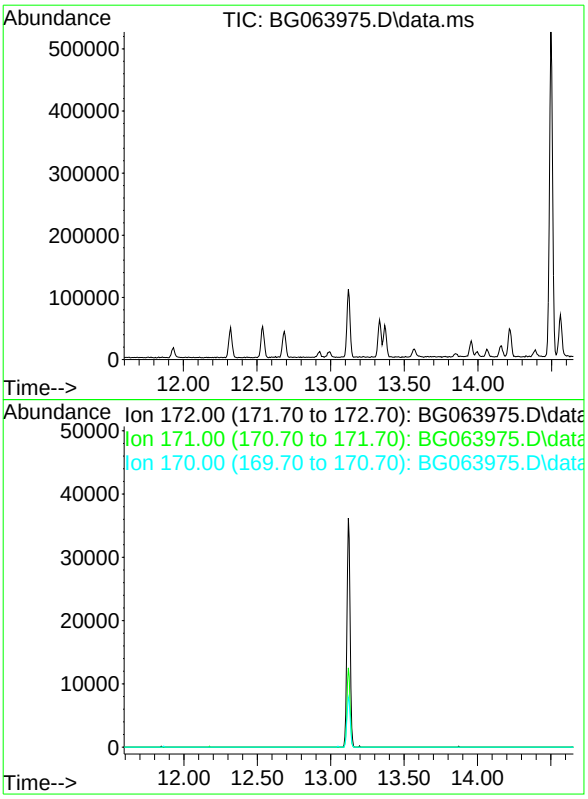
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.98 min

Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	98.8
141	34.0





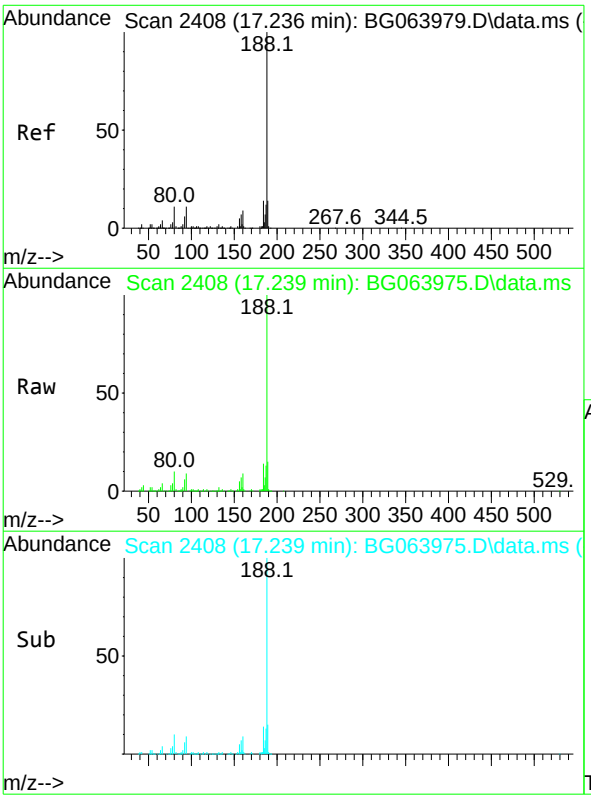
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.12 min

Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

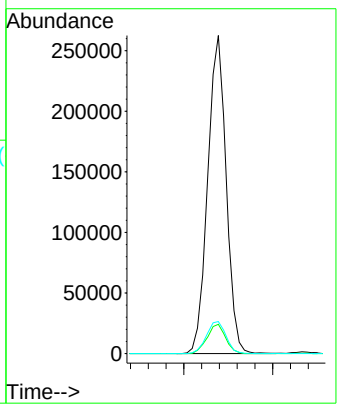
Sig	Exp Ratio
172	100
171	34.7
170	24.3

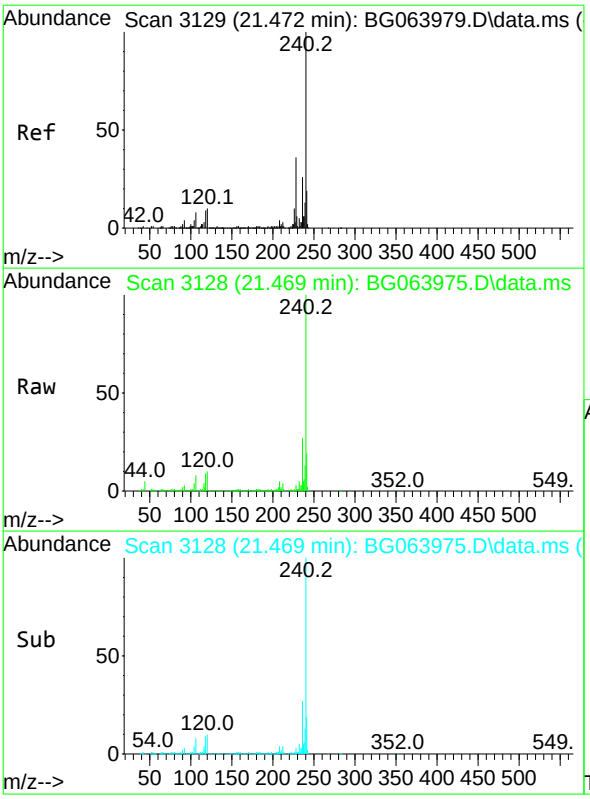


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2408
Delta R.T. 0.003 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Tgt Ion:188 Resp: 379429

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.6	13.0
80	10.1	8.5	12.7



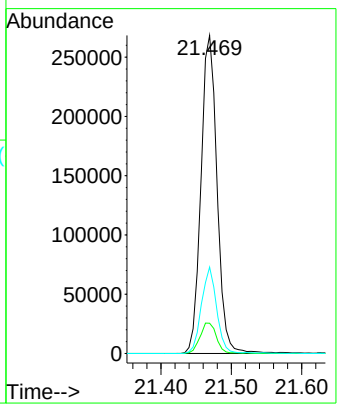


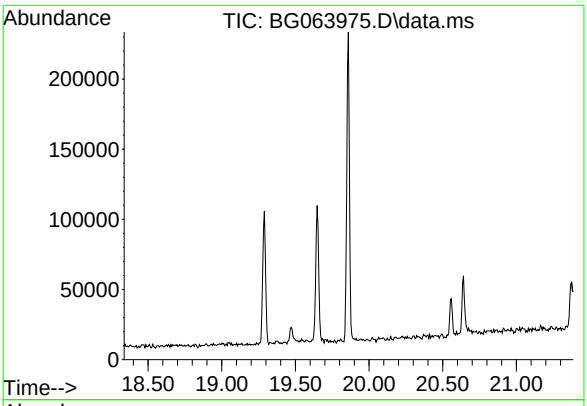
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.469 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 426576

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.9	11.9
236	27.2	21.0	31.6



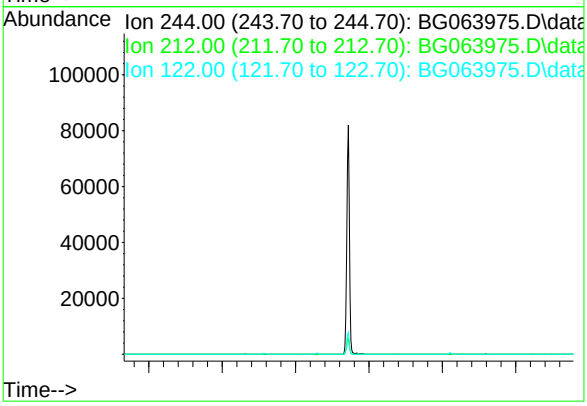


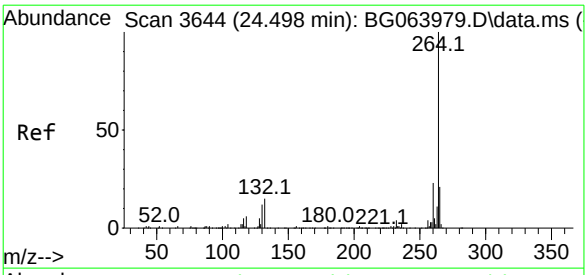
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.86 min

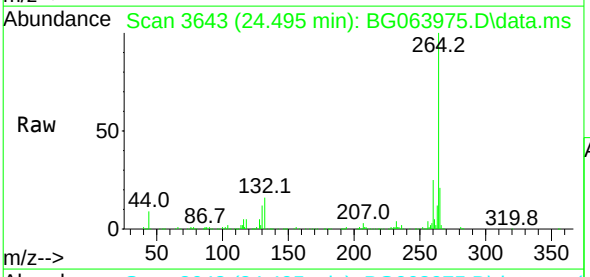
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

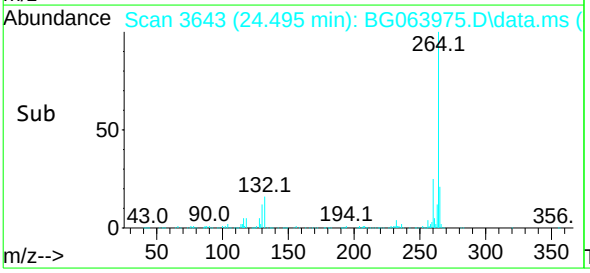
Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.3
122	9.6







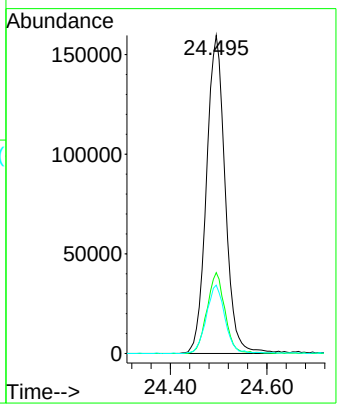


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.495 min Scan# 36
Delta R.T. -0.003 min
Lab File: BG063975.D
Acq: 3 Feb 2025 11:18

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 429230

Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.7	28.1
265	21.5	16.6	24.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063976.D
Acq On : 3 Feb 2025 11:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Quant Time: Feb 04 02:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.873	152	44732	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	206910	20.000	ng		0.00
39) Acenaphthene-d10	14.494	164	150510	20.000	ng		0.00
64) Phenanthrene-d10	17.238	188	363622	20.000	ng		0.00
76) Chrysene-d12	21.468	240	424138	20.000	ng		0.00
86) Perylene-d12	24.488	264	422465	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	23509	8.426	ng		0.00
7) Phenol-d6	7.032	99	34391	8.982	ng		0.00
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	13.119	172	98850	10.063	ng		0.00
79) Terphenyl-d14	19.859	244	213179	10.497	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.384	88	6951	5.246	ng		98
3) Pyridine	3.772	79	17441	4.873	ng		98
4) n-Nitrosodimethylamine	3.683	42	9612	4.672	ng	#	93
6) Aniline	7.197	93	20508	4.998	ng		98
8) 2-Chlorophenol	7.438	128	11388	4.006	ng		94
9) Benzaldehyde	7.009	77	10197	4.879	ng		90
10) Phenol	7.056	94	18408	4.567	ng		95
11) bis(2-Chloroethyl)ether	7.297	93	16734	5.156	ng		93
12) 1,3-Dichlorobenzene	7.761	146	17308	5.116	ng		97
13) 1,4-Dichlorobenzene	7.908	146	17637	5.162	ng		93
14) 1,2-Dichlorobenzene	8.219	146	16538	5.050	ng		94
15) Benzyl Alcohol	8.102	79	12607	4.405	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.401	45	33346	5.103	ng		97
17) 2-Methylphenol	8.307	107	11680	4.481	ng		89
18) Hexachloroethane	8.954	117	5167	4.595	ng		93
19) n-Nitroso-di-n-propyla...	8.672	70	13015	4.909	ng	#	97
20) 3+4-Methylphenols	8.631	107	14960	4.308	ng		96
22) Acetophenone	8.683	105	28008	4.927	ng		98
24) Nitrobenzene	9.065	77	10249	6.222	ng		94
25) Isophorone	9.588	82	35059	4.750	ng	#	98
26) 2-Nitrophenol	9.770	139	2167	3.777	ng	#	83
27) 2,4-Dimethylphenol	9.835	122	8453	3.982	ng		88
28) bis(2-Chloroethoxy)met...	10.076	93	21986	4.682	ng		99
29) 2,4-Dichlorophenol	10.311	162	7983	6.350	ng		99
30) 1,2,4-Trichlorobenzene	10.522	180	17000	4.874	ng		95
31) Naphthalene	10.710	128	55706	5.022	ng		97
33) 4-Chloroaniline	10.816	127	20467	4.815	ng		97
34) Hexachlorobutadiene	11.010	225	10503	4.729	ng		96
36) 4-Chloro-3-methylphenol	11.933	107	13212	3.888	ng	#	94
37) 2-Methylnaphthalene	12.320	142	39386	5.095	ng		98
38) 1-Methylnaphthalene	12.538	142	40640	5.313	ng		98
40) 1,2,4,5-Tetrachloroben...	12.685	216	21324	4.804	ng		98
41) Hexachlorocyclopentadiene	12.679	237	3394	2.834	ng		83
43) 2,4,6-Trichlorophenol	12.925	196	5463	6.777	ng		87
44) 2,4,5-Trichlorophenol	12.996	196	6632	6.014	ng		88
46) 1,1'-Biphenyl	13.331	154	57237	4.995	ng		94

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063976.D
Acq On : 3 Feb 2025 11:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Quant Time: Feb 04 02:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.366	162	38700	4.633	ng		99
48) 2-Nitroaniline	13.560	65	4447	6.486	ng		93
49) Acenaphthylene	14.212	152	61714	4.757	ng		99
50) Dimethylphthalate	13.954	163	38723	3.880	ng		97
51) 2,6-Dinitrotoluene	14.059	165	3474	6.308	ng		91
52) Acenaphthene	14.559	154	41919	4.817	ng		95
53) 3-Nitroaniline	14.388	138	4253	7.043	ng	#	87
55) Dibenzofuran	14.894	168	70135	4.963	ng		99
57) 2,4-Dinitrotoluene	14.847	165	4695	6.839	ng	#	87
58) Fluorene	15.546	166	56205	5.146	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.111	232	5485	6.936	ng	#	77
60) Diethylphthalate	15.323	149	39972	3.778	ng		98
61) 4-Chlorophenyl-phenyle...	15.540	204	29007	5.293	ng		98
62) 4-Nitroaniline	15.546	138	6135	6.320	ng		88
63) Azobenzene	15.834	77	63559	5.086	ng		95
66) n-Nitrosodiphenylamine	15.752	169	49093	4.869	ng		96
67) 4-Bromophenyl-phenylether	16.433	248	16670	4.606	ng		97
68) Hexachlorobenzene	16.545	284	20705	4.866	ng		97
69) Atrazine	16.703	200	12851	3.830	ng		86
71) Phenanthrene	17.273	178	95874	5.020	ng		97
72) Anthracene	17.367	178	95726	5.009	ng		98
73) Carbazole	17.632	167	89215	4.987	ng		97
74) Di-n-butylphthalate	18.213	149	60998	3.271	ng		98
75) Fluoranthene	19.289	202	119253	5.128	ng		100
77) Benzidine	19.471	184	29139	3.226	ng	#	96
78) Pyrene	19.647	202	129379	4.941	ng		96
80) Butylbenzylphthalate	20.558	149	15902	7.094	ng	#	86
81) Benzo(a)anthracene	21.445	228	132362	4.915	ng		98
82) 3,3'-Dichlorobenzidine	21.369	252	28005	3.339	ng		97
83) Chrysene	21.510	228	134964	5.036	ng		99
84) Bis(2-ethylhexyl)phtha...	21.398	149	28808	6.250	ng		95
87) Indeno(1,2,3-cd)pyrene	27.890	276	121101	4.443	ng	#	73
88) Benzo(b)fluoranthene	23.537	252	115485	4.642	ng		96
89) Benzo(k)fluoranthene	23.595	252	120118	4.702	ng		96
90) Benzo(a)pyrene	24.342	252	101336	4.564	ng		99
91) Dibenzo(a,h)anthracene	27.949	278	103956	4.517	ng		98
92) Benzo(g,h,i)perylene	28.936	276	103585	4.459	ng		98

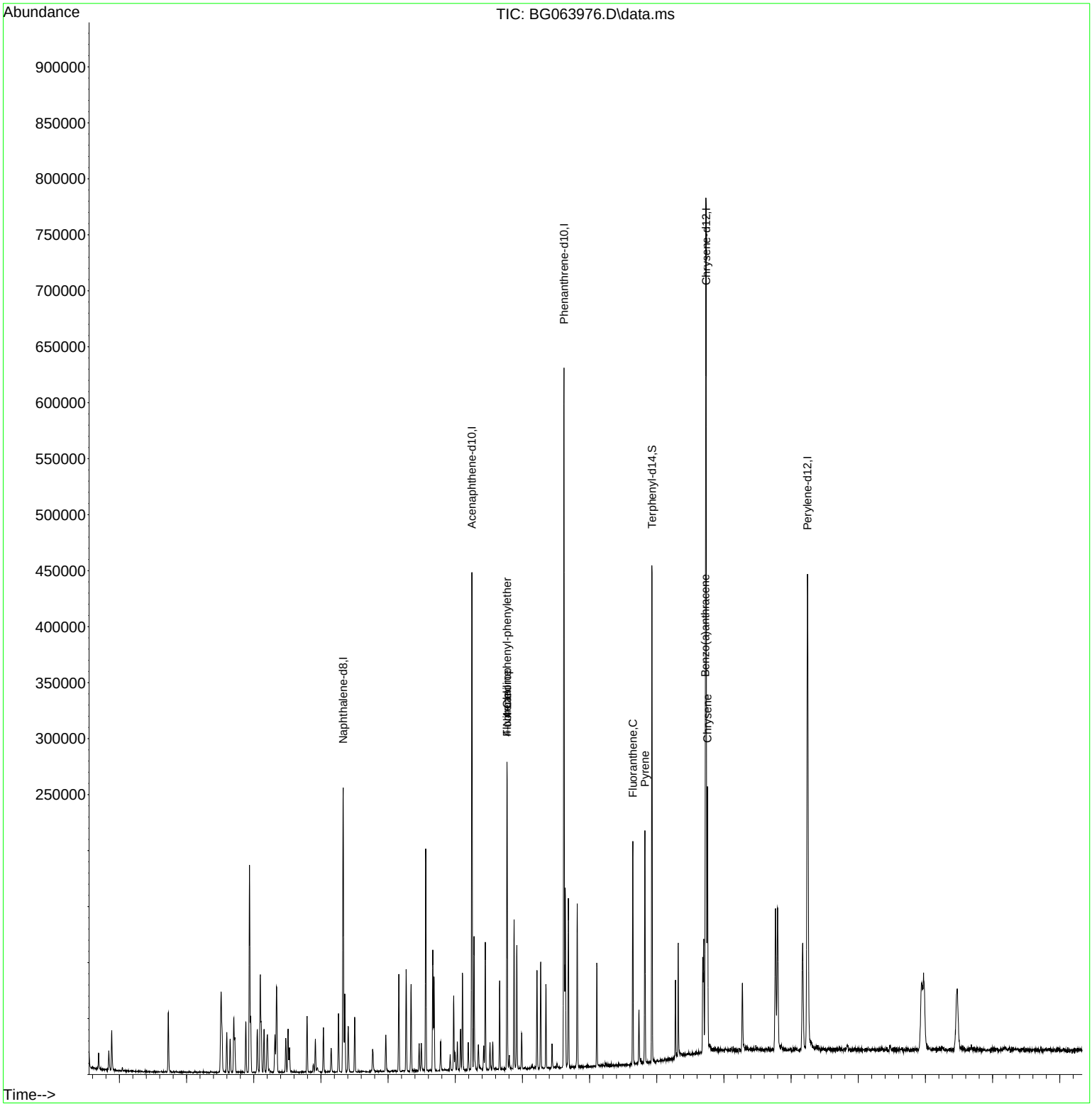
(#) = qualifier out of range (m) = manual integration (+) = signals summed

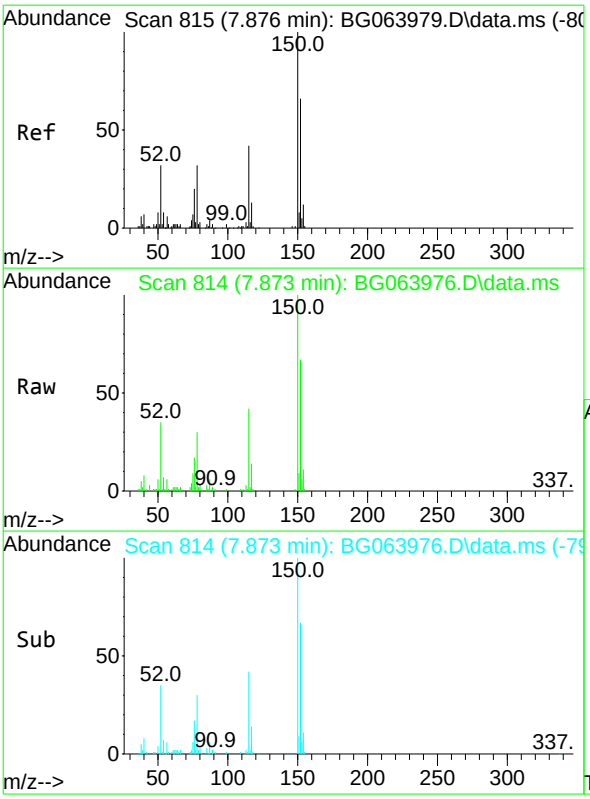
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063976.D
Acq On : 3 Feb 2025 11:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Quant Time: Feb 04 02:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration



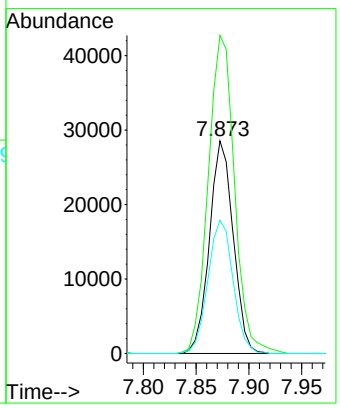


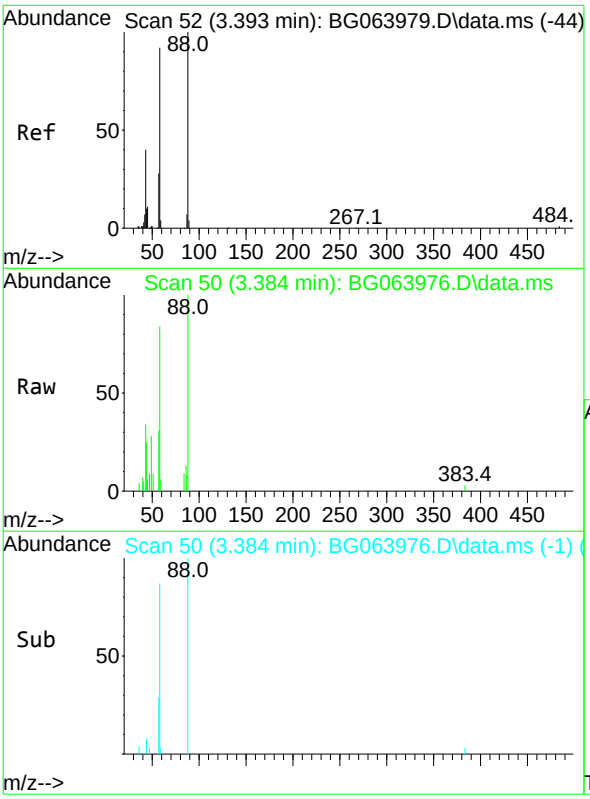
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.873 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 44732

Ion	Ratio	Lower	Upper
152	100		
150	149.6	121.0	181.6
115	62.7	50.4	75.6

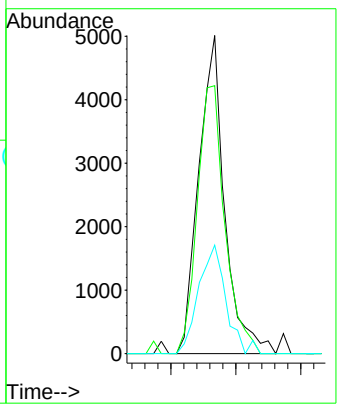


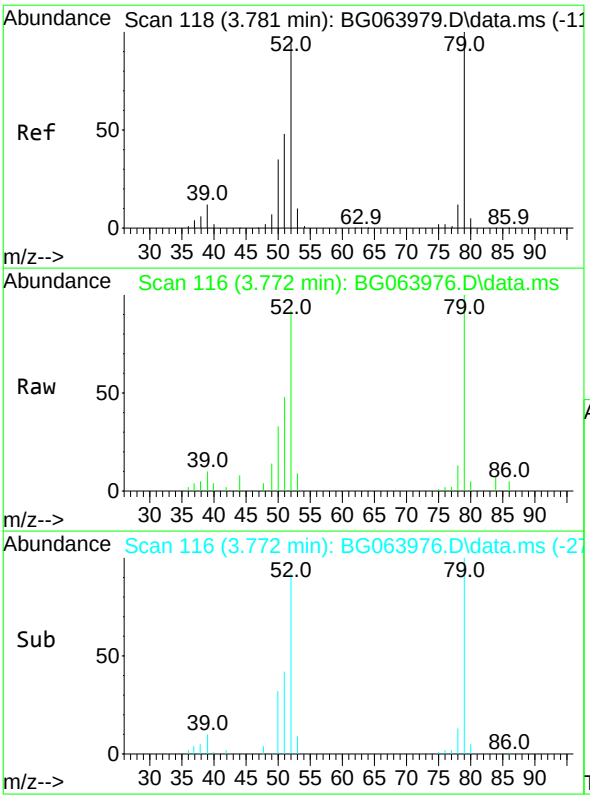


#2
1,4-Dioxane
Concen: 5.246 ng
RT: 3.384 min Scan# 50
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 88 Resp: 6951

Ion	Ratio	Lower	Upper
88	100		
58	89.4	71.8	107.8
43	35.9	31.2	46.8



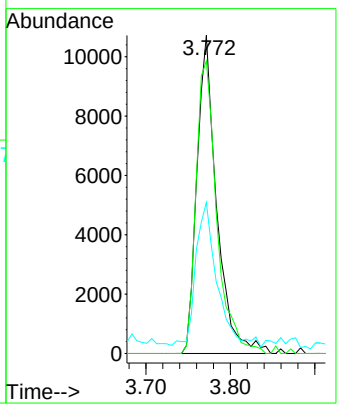


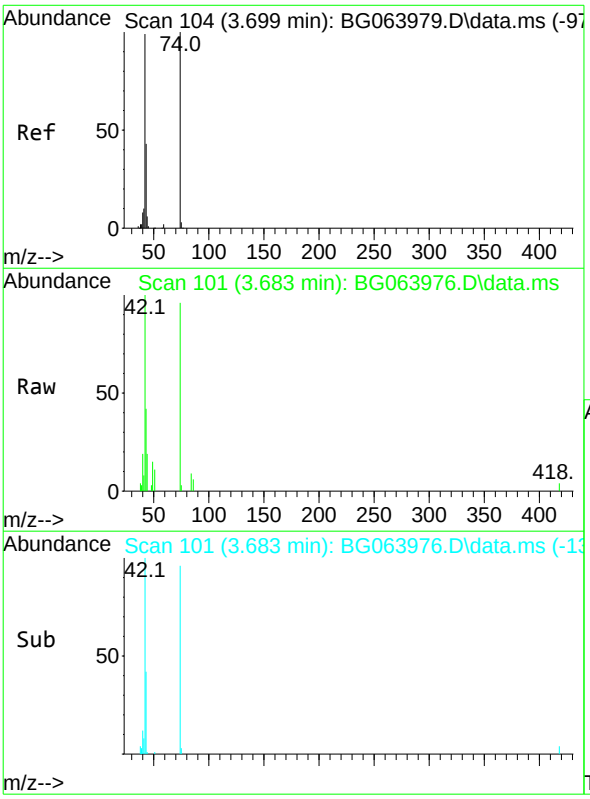
#3
Pyridine
Concen: 4.873 ng
RT: 3.772 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 17441

Ion	Ratio	Lower	Upper
79	100		
52	91.9	75.1	112.7
51	47.5	38.9	58.3

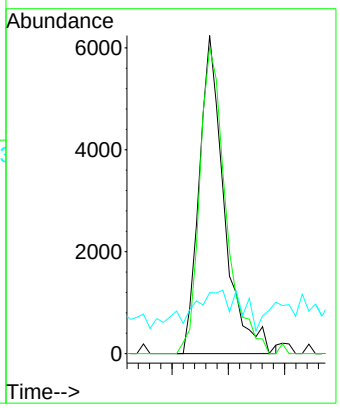


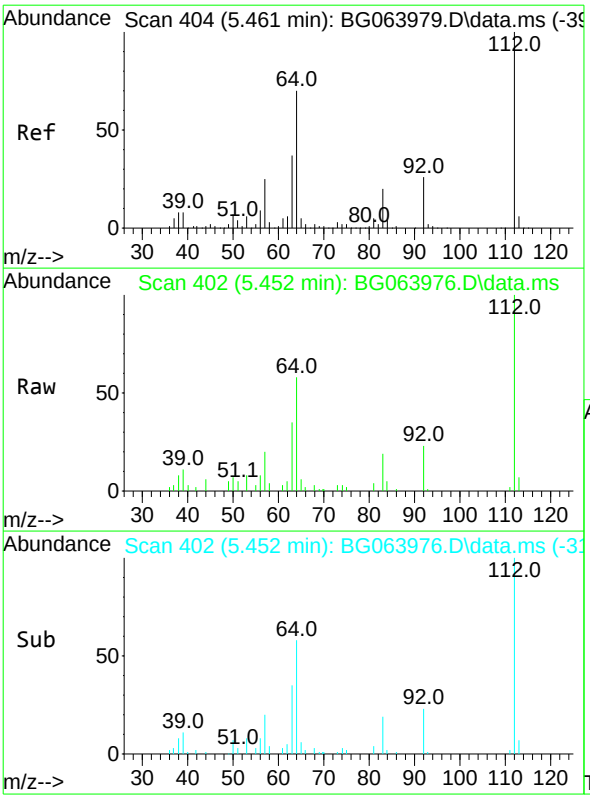


#4
n-Nitrosodimethylamine
Concen: 4.672 ng
RT: 3.683 min Scan# 101
Delta R.T. -0.015 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 42 Resp: 9612

Ion	Ratio	Lower	Upper
42	100		
74	96.3	80.8	121.2
44	19.2	5.8	8.6#



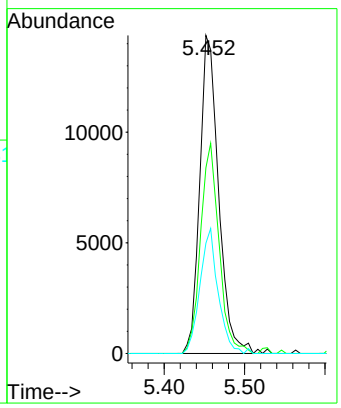


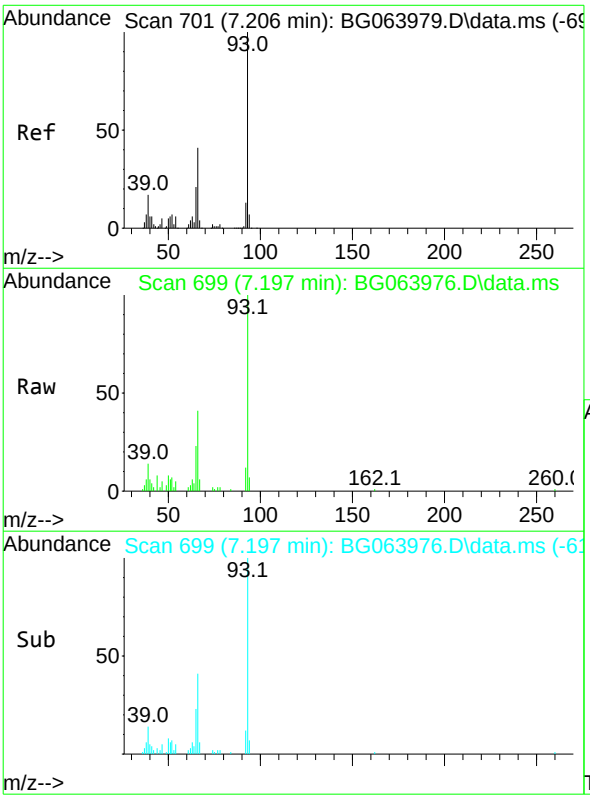
#5
2-Fluorophenol
Concen: 8.426 ng
RT: 5.452 min Scan# 40
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 23509

Ion	Ratio	Lower	Upper
112	100		
64	58.4	55.8	83.8
63	34.7	29.3	43.9

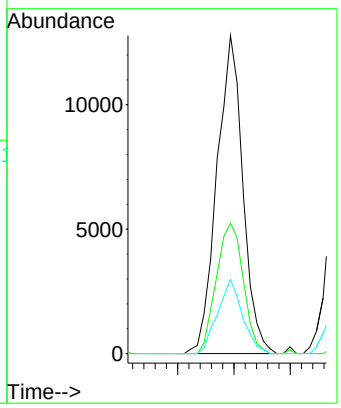


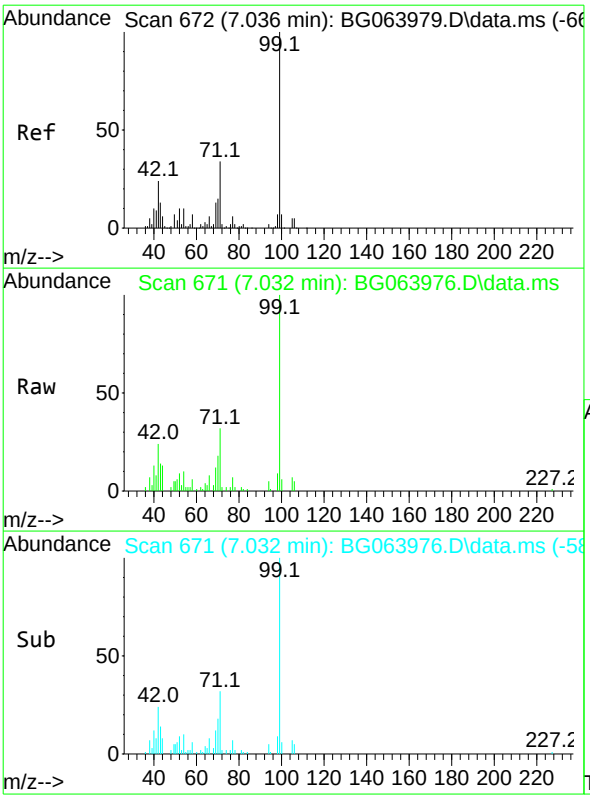


#6
Aniline
Concen: 4.998 ng
RT: 7.197 min Scan# 699
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 93 Resp: 20508

Ion	Ratio	Lower	Upper
93	100		
66	41.0	32.5	48.7
65	23.3	16.6	25.0



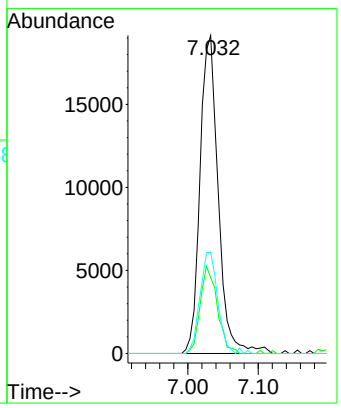


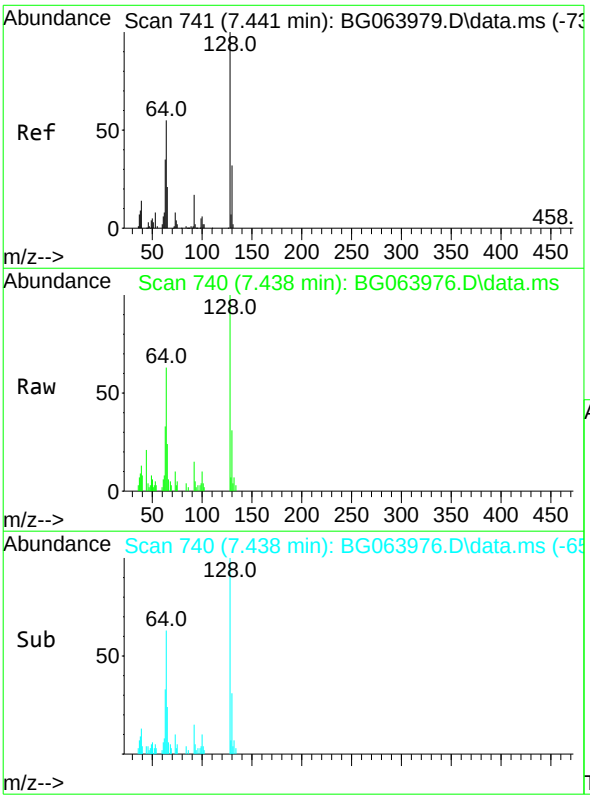
#7
Phenol-d6
Concen: 8.982 ng
RT: 7.032 min Scan# 67
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 34391

Ion	Ratio	Lower	Upper
99	100		
42	23.8	18.9	28.3
71	31.9	27.0	40.6

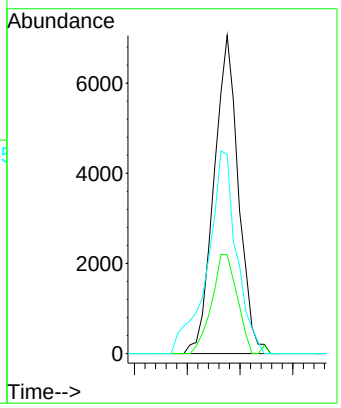


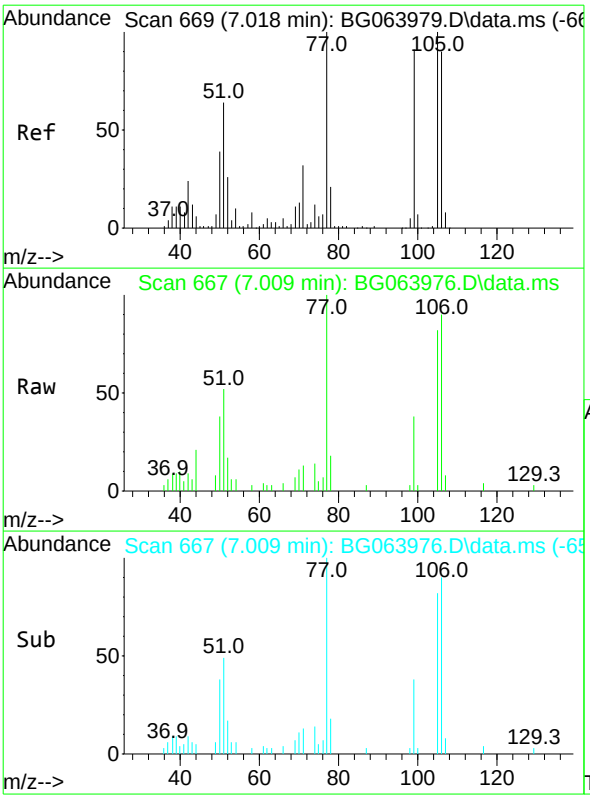


#8
2-Chlorophenol
Concen: 4.006 ng
RT: 7.438 min Scan# 740
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:128 Resp: 11388

Ion	Ratio	Lower	Upper
128	100		
130	31.1	11.9	51.9
64	62.6	36.8	76.8



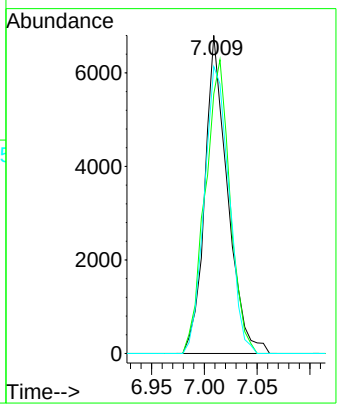


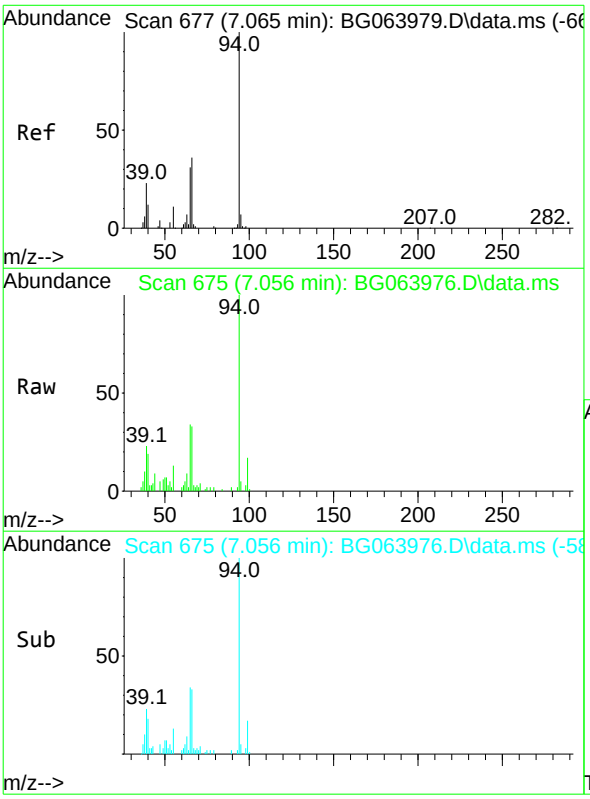
#9
Benzaldehyde
Concen: 4.879 ng
RT: 7.009 min Scan# 66
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 10197

Ion	Ratio	Lower	Upper
77	100		
105	81.6	79.8	119.8
106	90.2	69.9	109.9

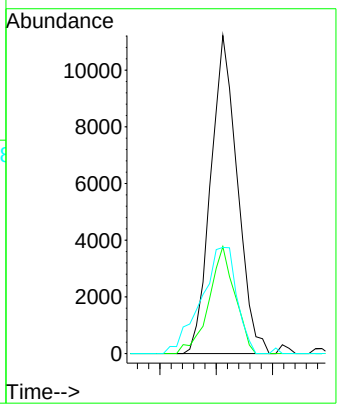


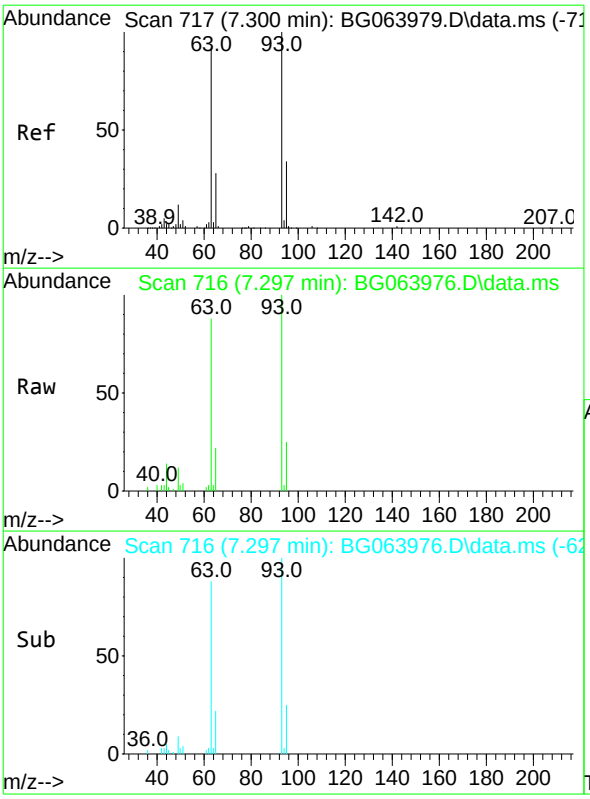


#10
Phenol
Concen: 4.567 ng
RT: 7.056 min Scan# 675
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 94 Resp: 18408

Ion	Ratio	Lower	Upper
94	100		
65	33.6	11.4	51.4
66	33.4	16.7	56.7



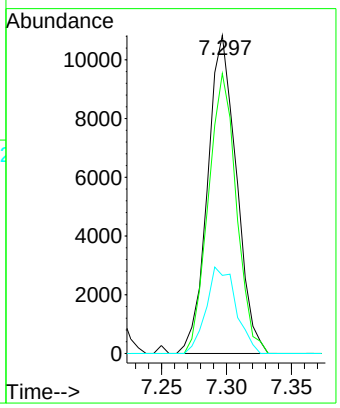


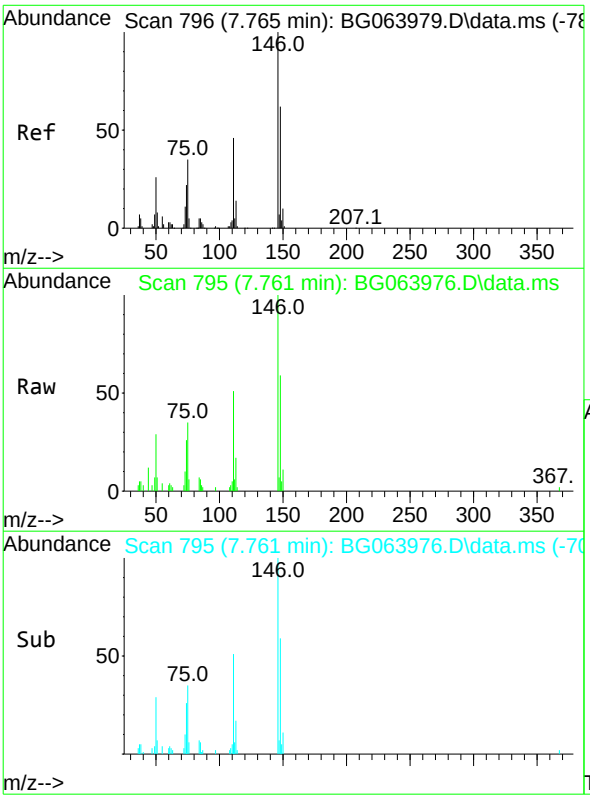
#11
bis(2-Chloroethyl)ether
Concen: 5.156 ng
RT: 7.297 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 16734

Ion	Ratio	Lower	Upper
93	100		
63	88.0	71.2	111.2
95	24.5	13.9	53.9

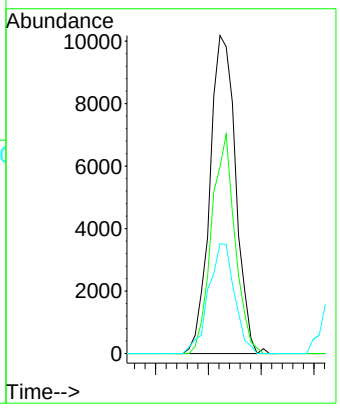


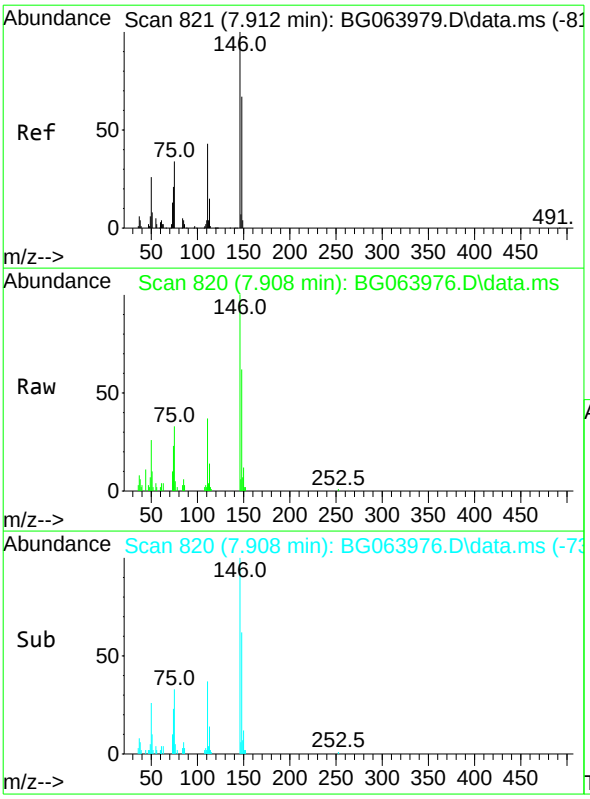


#12
1,3-Dichlorobenzene
Concen: 5.116 ng
RT: 7.761 min Scan# 795
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:146 Resp: 17308

Ion	Ratio	Lower	Upper
146	100		
148	58.7	49.6	74.4
75	34.5	27.8	41.8



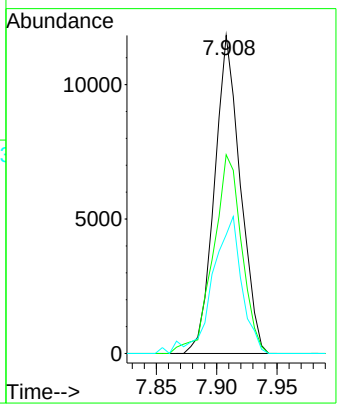


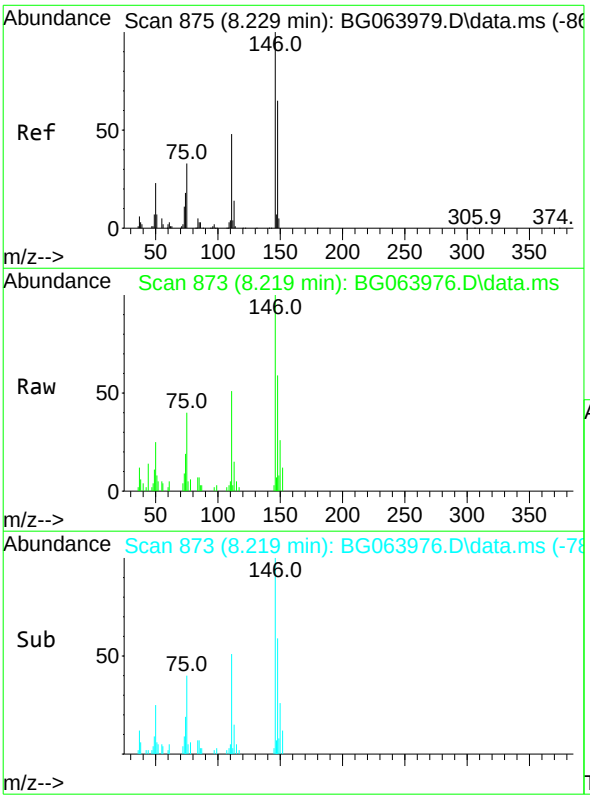
#13
1,4-Dichlorobenzene
Concen: 5.162 ng
RT: 7.908 min Scan# 82
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 17637

Ion	Ratio	Lower	Upper
146	100		
148	62.5	53.3	79.9
111	37.3	34.8	52.2

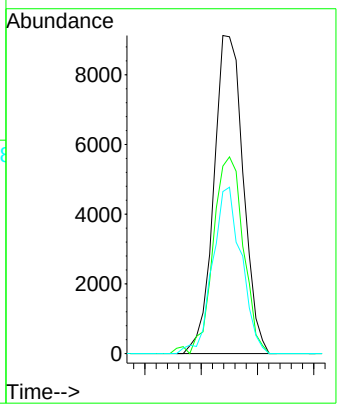


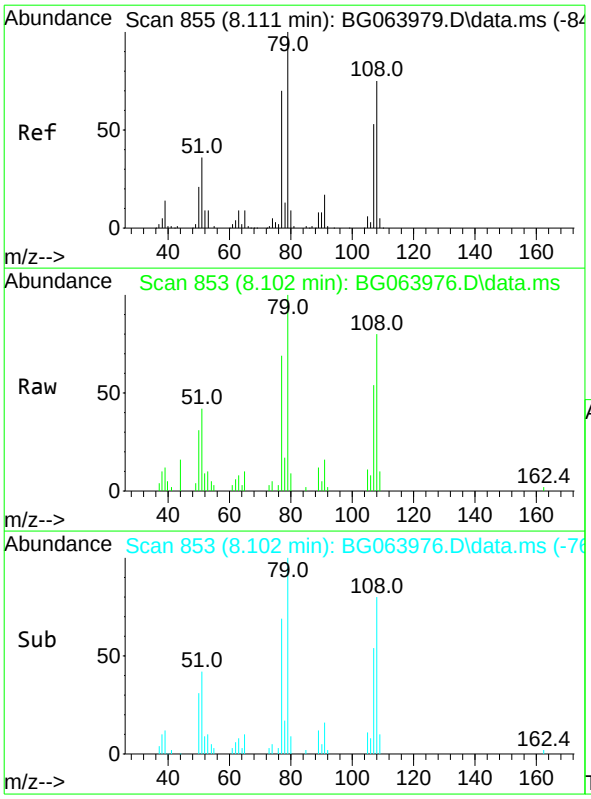


#14
1,2-Dichlorobenzene
Concen: 5.050 ng
RT: 8.219 min Scan# 873
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:146 Resp: 16538

Ion	Ratio	Lower	Upper
146	100		
148	58.9	52.0	78.0
111	50.9	38.2	57.2



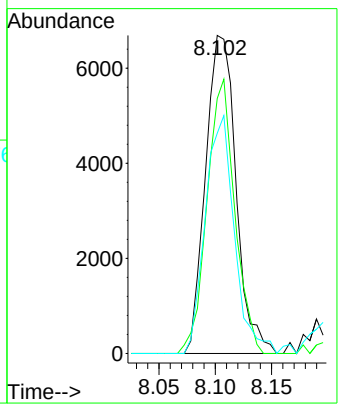


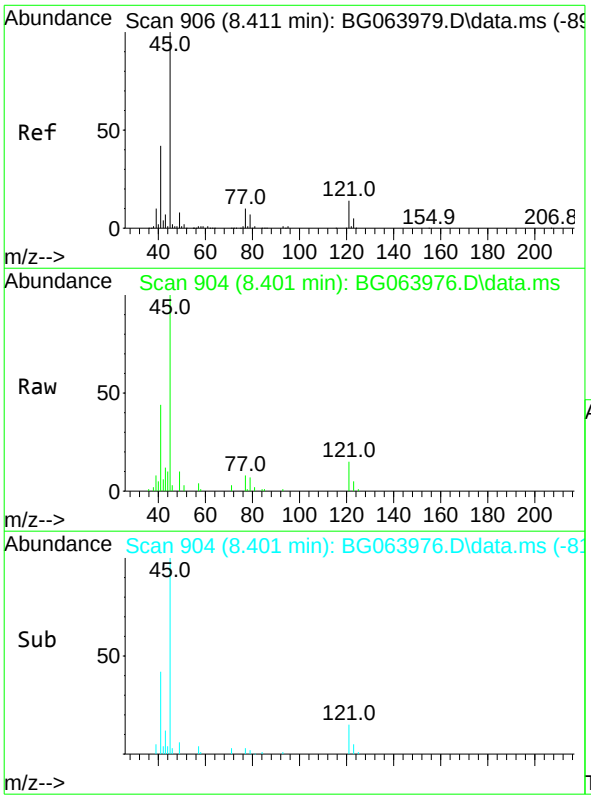
#15
Benzyl Alcohol
Concen: 4.405 ng
RT: 8.102 min Scan# 85
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 12607

Ion	Ratio	Lower	Upper
79	100		
108	80.2	60.3	90.5
77	69.2	55.8	83.8

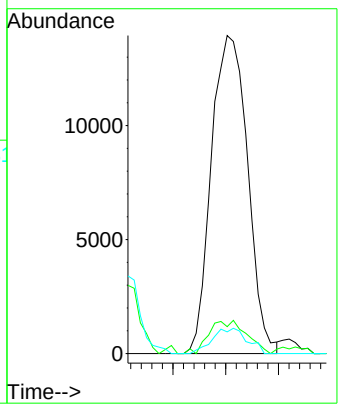


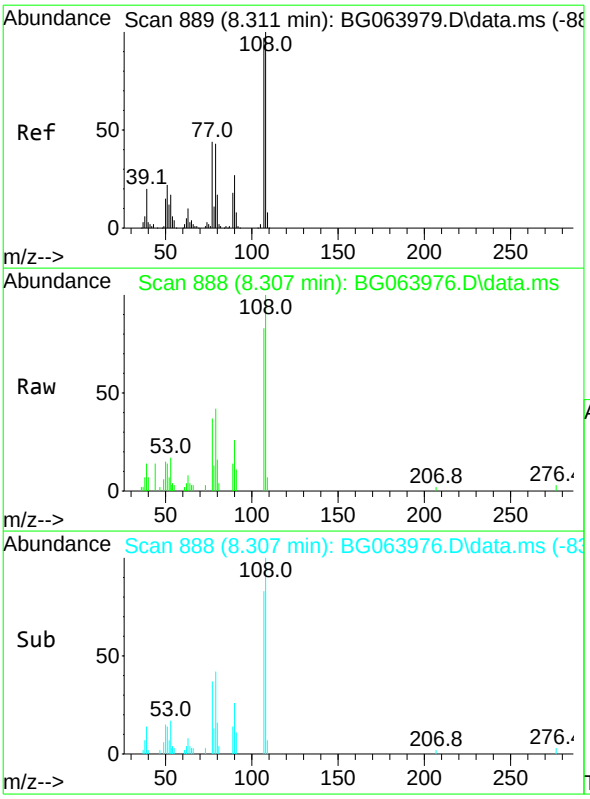


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.103 ng
RT: 8.401 min Scan# 904
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 45 Resp: 33346

Ion	Ratio	Lower	Upper
45	100		
77	8.5	0.0	29.8
79	6.8	0.0	27.7



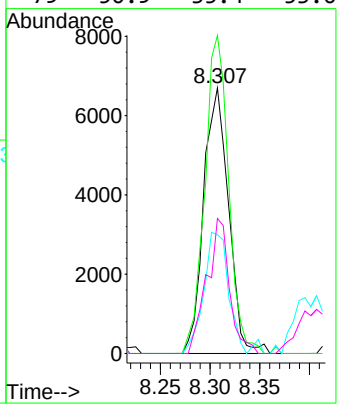


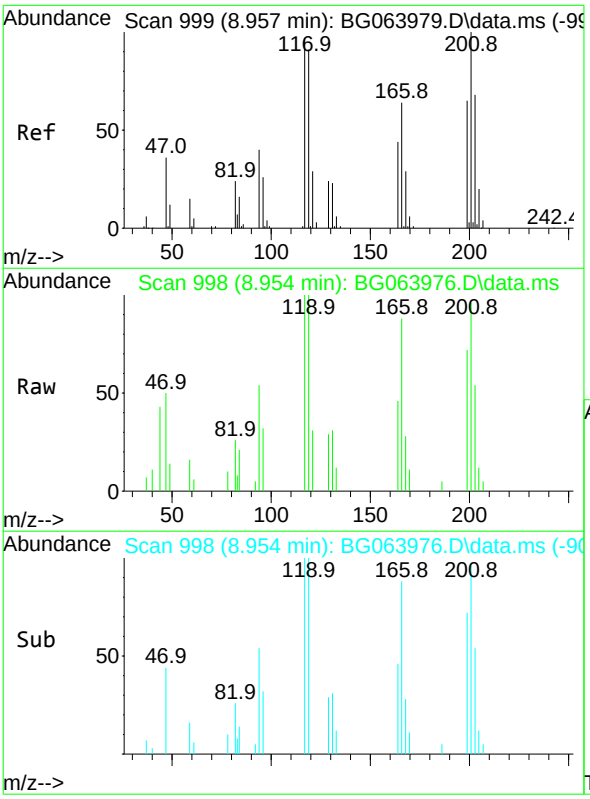
#17
2-Methylphenol
Concen: 4.481 ng
RT: 8.307 min Scan# 88
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 11680

Ion	Ratio	Lower	Upper
107	100		
108	119.8	82.9	124.3
77	44.7	36.4	54.6
79	50.9	35.4	53.0

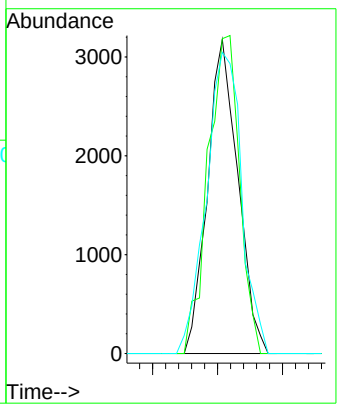


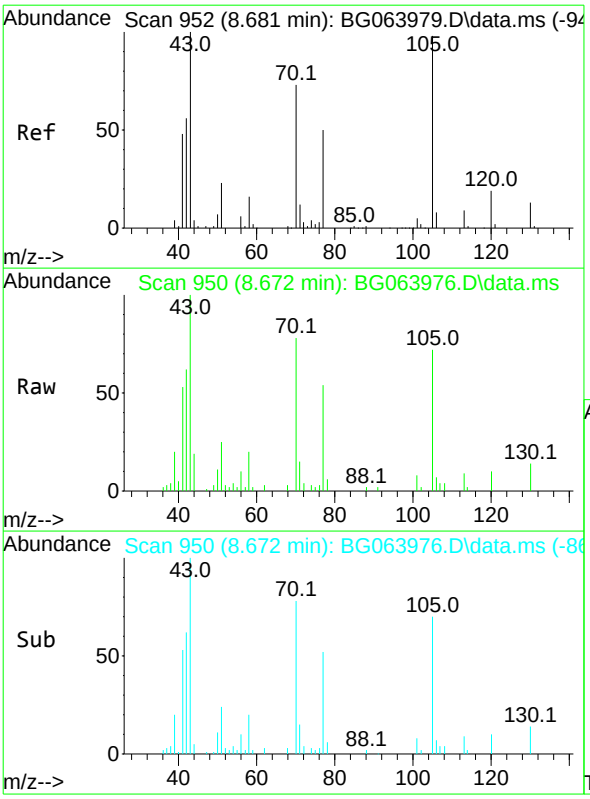


#18
Hexachloroethane
Concen: 4.595 ng
RT: 8.954 min Scan# 998
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:117 Resp: 5167

Ion	Ratio	Lower	Upper
117	100		
119	100.3	75.4	113.0
201	95.9	82.4	123.6



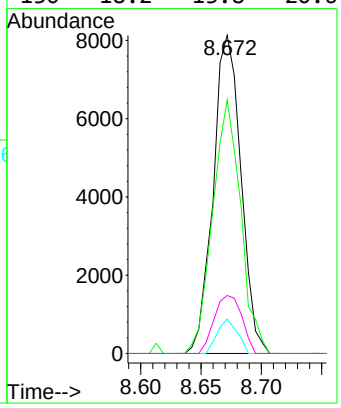


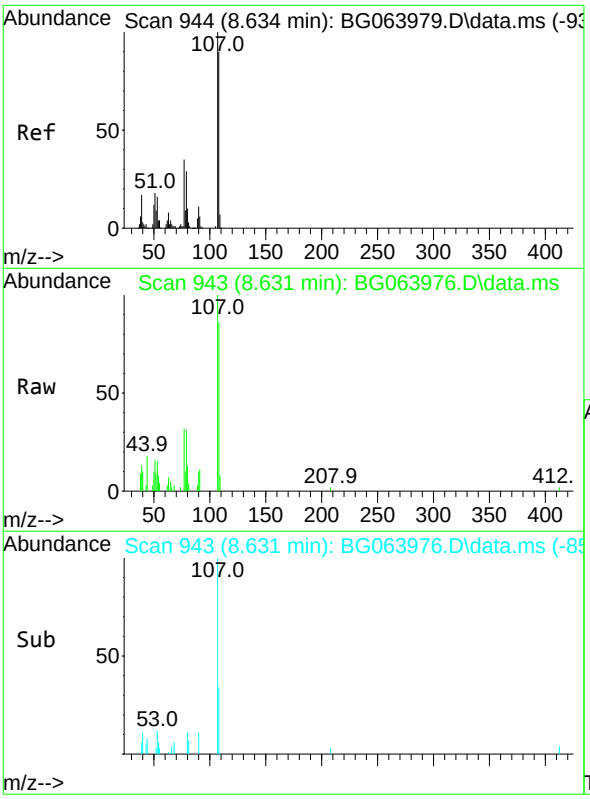
#19
n-Nitroso-di-n-propylamine
Concen: 4.909 ng
RT: 8.672 min Scan# 95
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 13015

Ion	Ratio	Lower	Upper
70	100		
42	79.6	62.2	93.4
101	10.8	5.6	8.4#
130	18.2	13.8	20.6

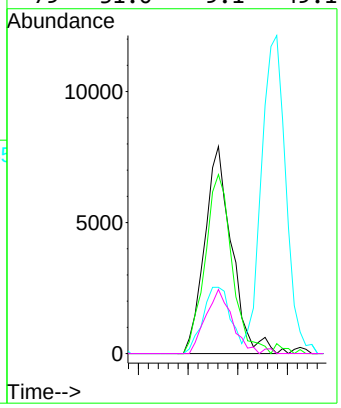


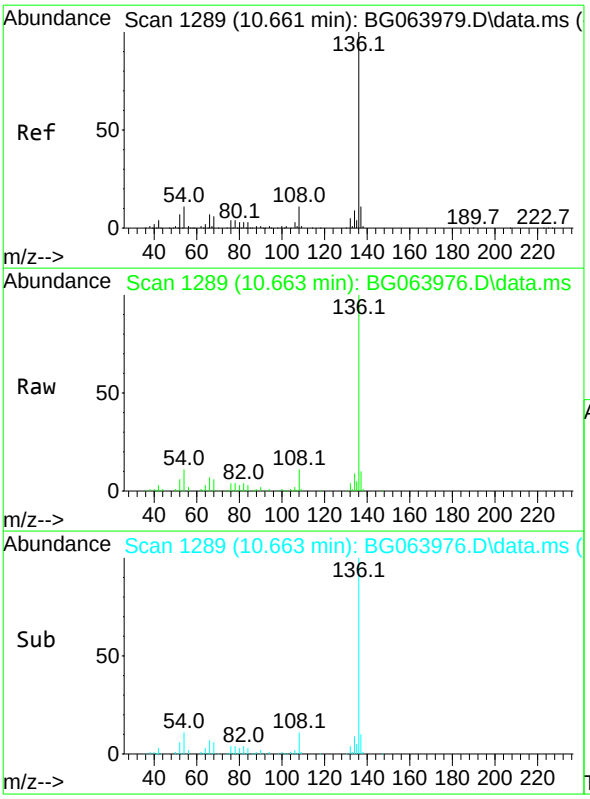


#20
3+4-Methylphenols
Concen: 4.308 ng
RT: 8.631 min Scan# 943
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:107 Resp: 14960

Ion	Ratio	Lower	Upper
107	100		
108	86.4	70.0	110.0
77	32.0	15.2	55.2
79	31.0	9.1	49.1



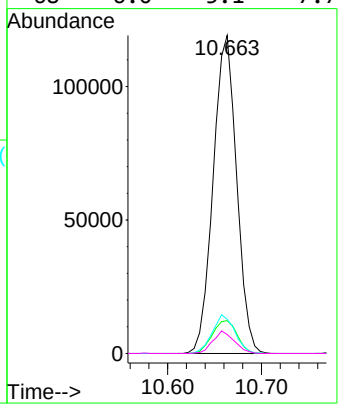


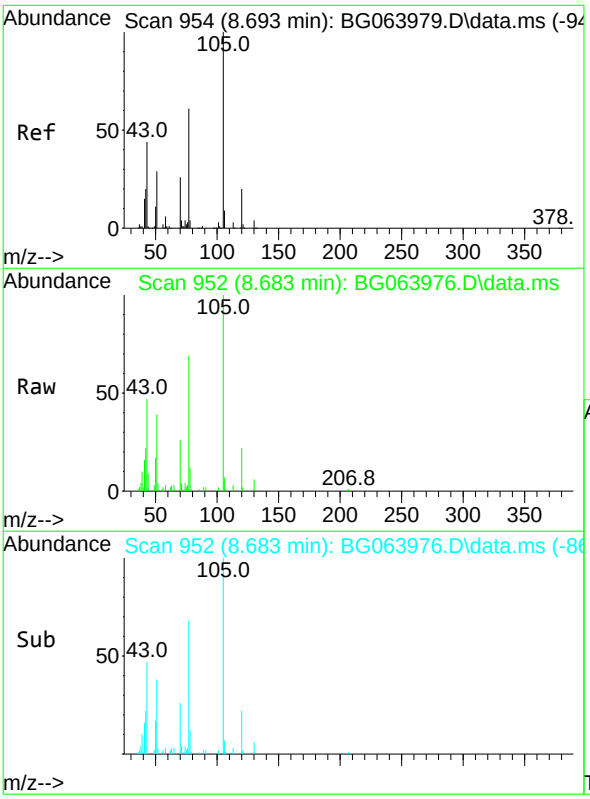
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 206910

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	10.8	9.2	13.8
68	6.0	5.1	7.7

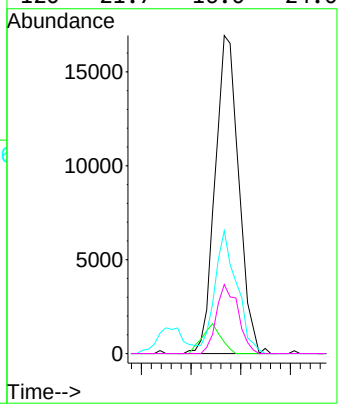


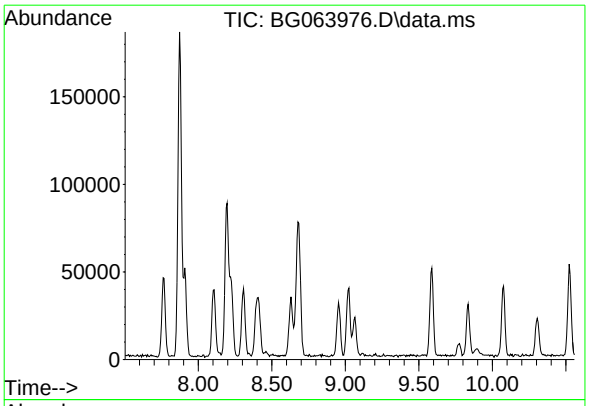


#22
Acetophenone
Concen: 4.927 ng
RT: 8.683 min Scan# 952
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:105 Resp: 28008

Ion	Ratio	Lower	Upper
105	100		
71	3.6	3.1	4.7
51	38.6	29.9	44.9
120	21.7	16.0	24.0





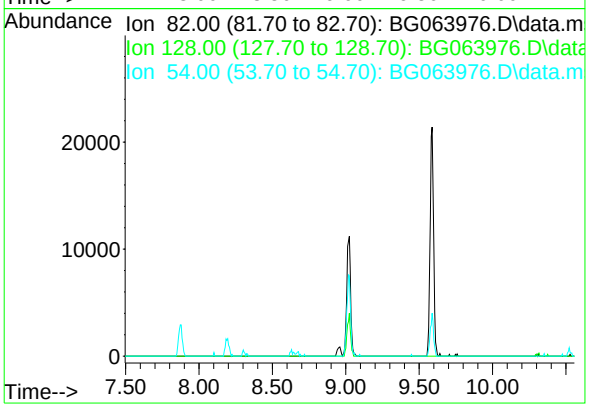
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.03 min

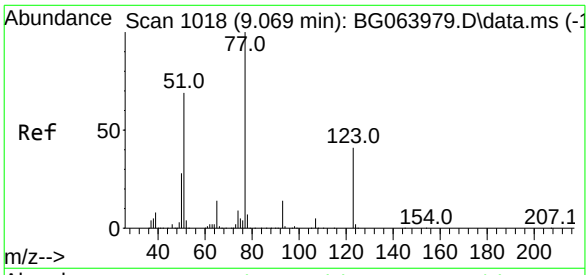
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

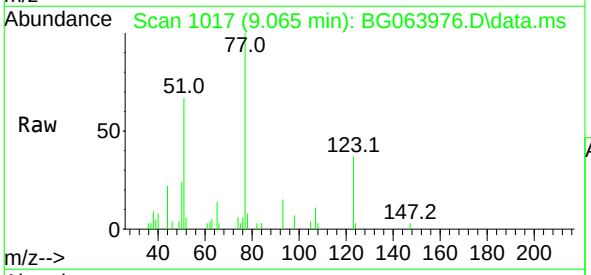
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

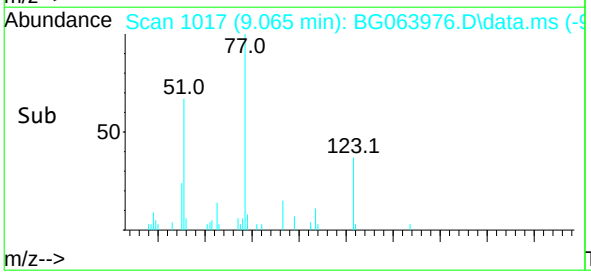
Tgt Ion: 82

Sig	Exp Ratio
82	100
128	36.8
54	62.4





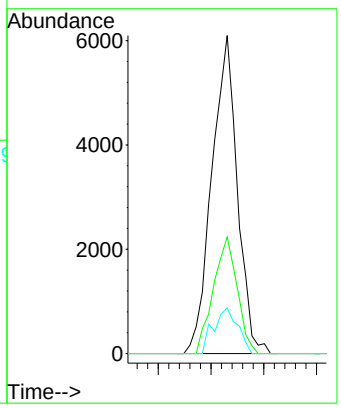


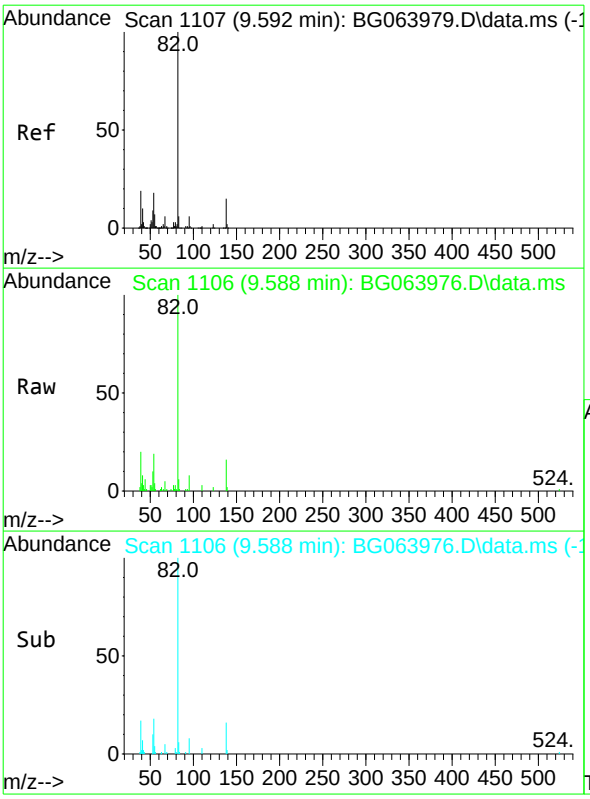


#24
Nitrobenzene
Concen: 6.222 ng
RT: 9.065 min Scan# 1017
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 77 Resp: 10249

Ion	Ratio	Lower	Upper
77	100		
123	36.7	32.9	49.3
65	14.3	11.0	16.6



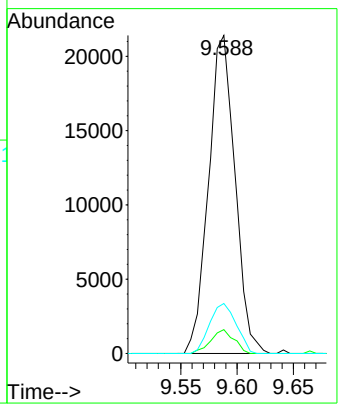


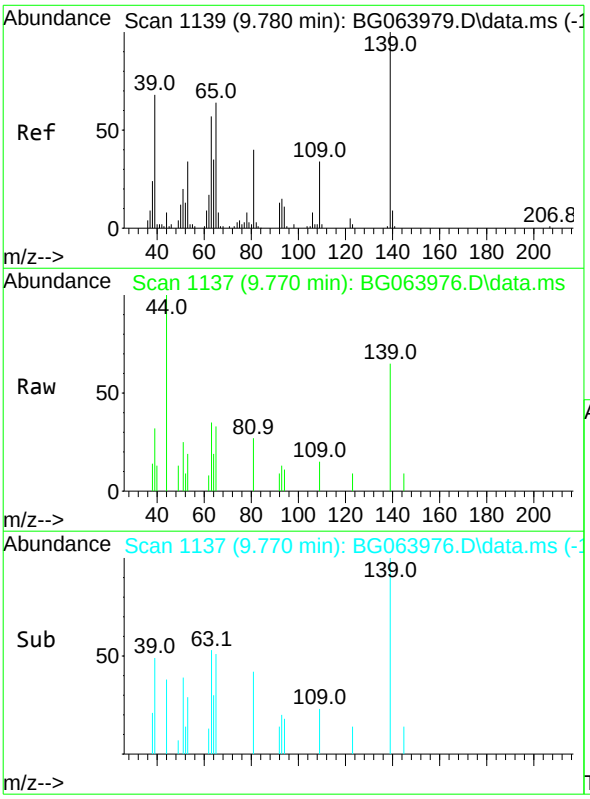
#25
Isophorone
Concen: 4.750 ng
RT: 9.588 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 35059

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.0	7.4#
138	15.7	12.2	18.4

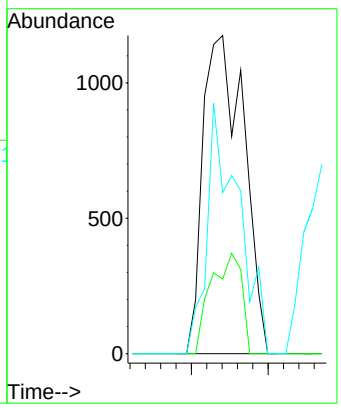


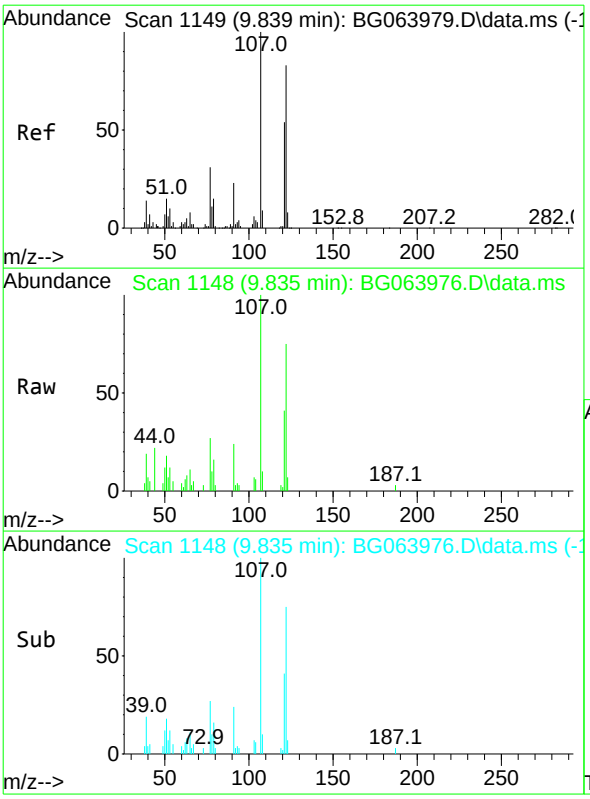


#26
2-Nitrophenol
Concen: 3.777 ng
RT: 9.770 min Scan# 1137
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:139 Resp: 2167

Ion	Ratio	Lower	Upper
139	100		
109	23.4	27.1	40.7#
65	50.6	51.0	76.6#



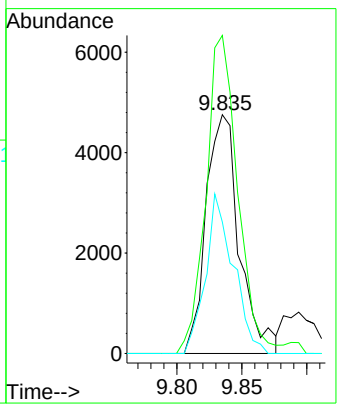


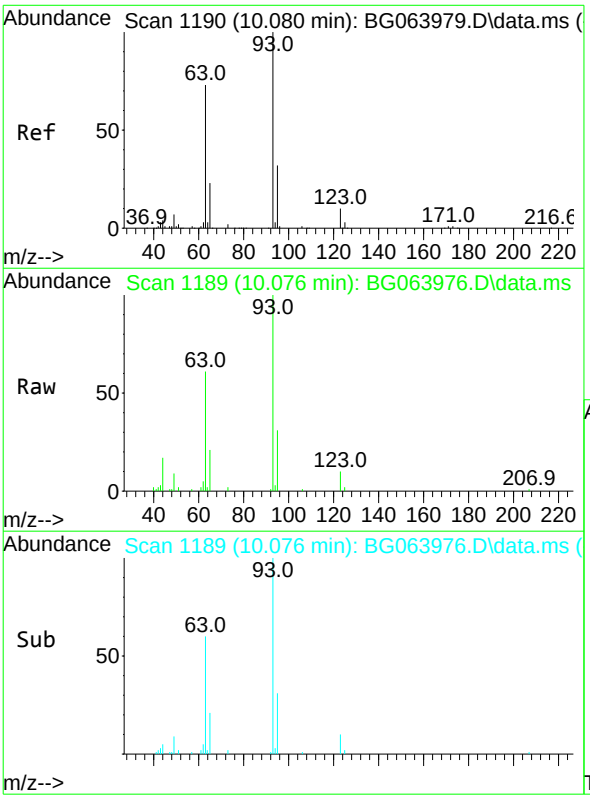
#27
2,4-Dimethylphenol
Concen: 3.982 ng
RT: 9.835 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 8453

Ion	Ratio	Lower	Upper
122	100		
107	133.2	96.4	144.6
121	55.1	51.8	77.6

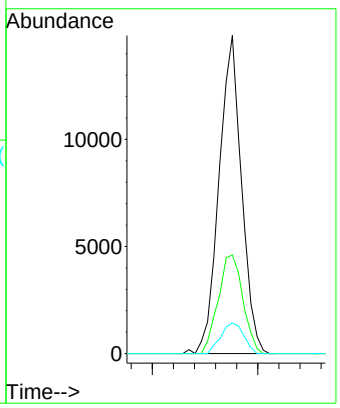


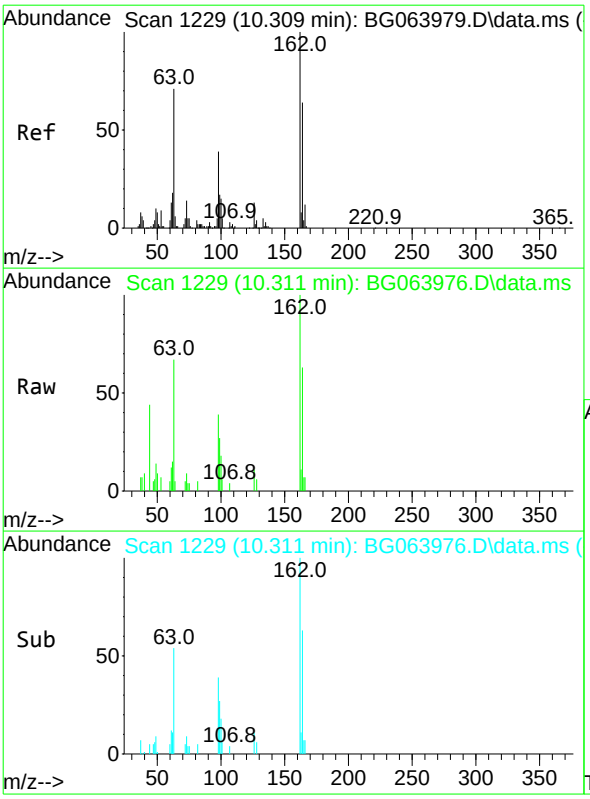


#28
bis(2-Chloroethoxy)methane
Concen: 4.682 ng
RT: 10.076 min Scan# 1189
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 93 Resp: 21986

Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.4	38.2
123	9.6	7.8	11.6



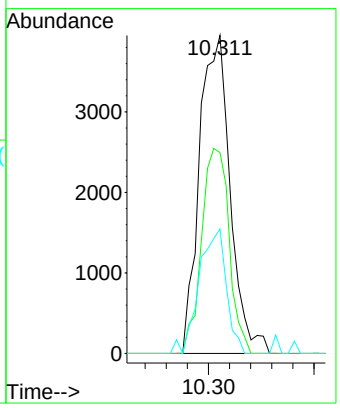


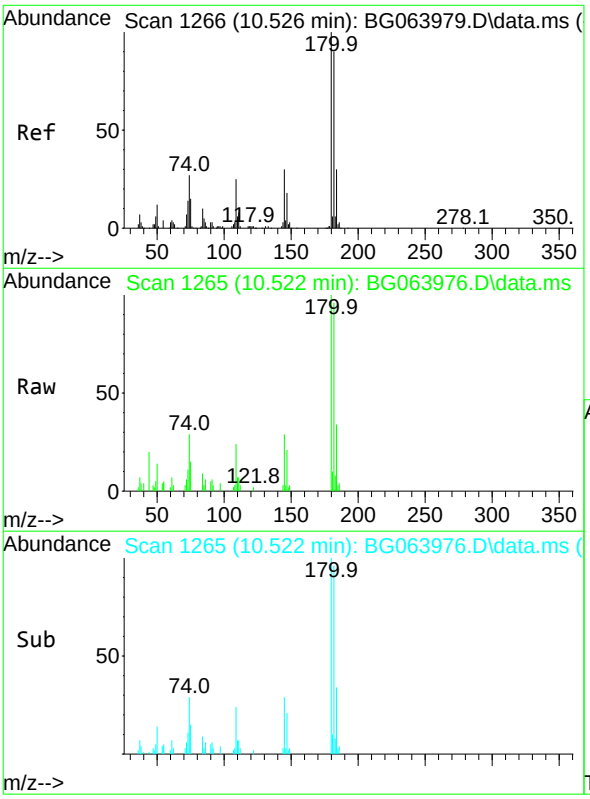
#29
2,4-Dichlorophenol
Concen: 6.350 ng
RT: 10.311 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 7983

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.6	83.6
98	39.1	18.6	58.6

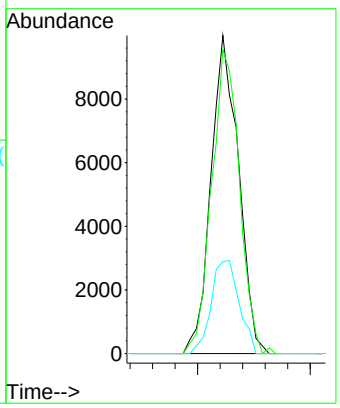


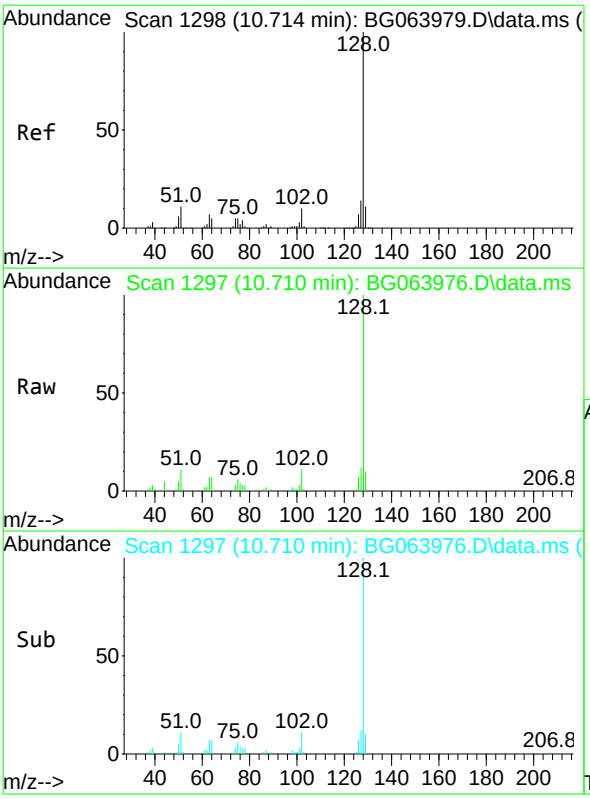


#30
1,2,4-Trichlorobenzene
Concen: 4.874 ng
RT: 10.522 min Scan# 1265
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:180 Resp: 17000

Ion	Ratio	Lower	Upper
180	100		
182	95.5	72.3	108.5
145	28.9	23.8	35.8



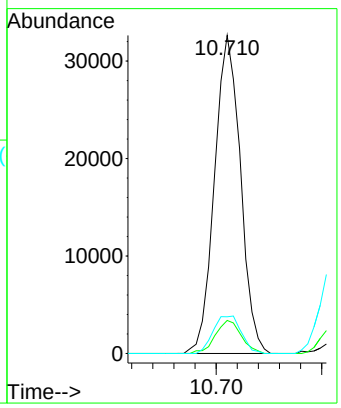


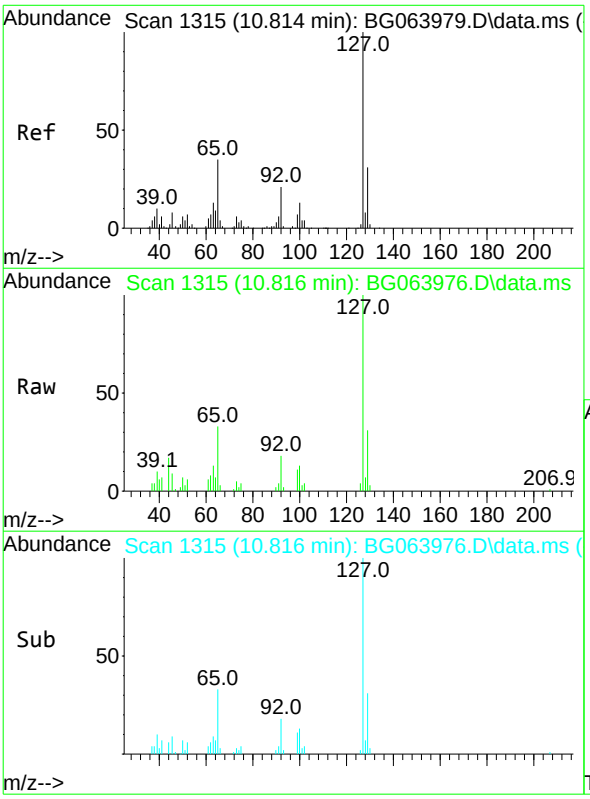
#31
Naphthalene
Concen: 5.022 ng
RT: 10.710 min Scan# 12
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 55706

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	11.5	10.8	16.2

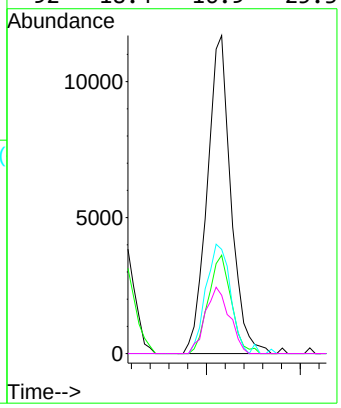


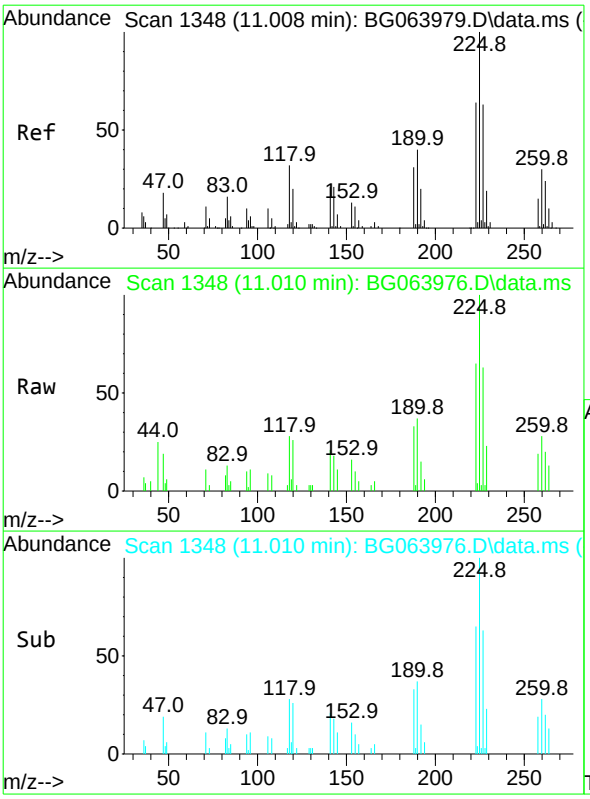


#33
4-Chloroaniline
Concen: 4.815 ng
RT: 10.816 min Scan# 1315
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:127 Resp: 20467

Ion	Ratio	Lower	Upper
127	100		
129	30.9	24.9	37.3
65	32.8	28.2	42.4
92	18.4	16.9	25.3



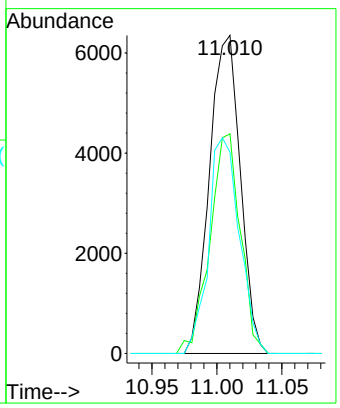


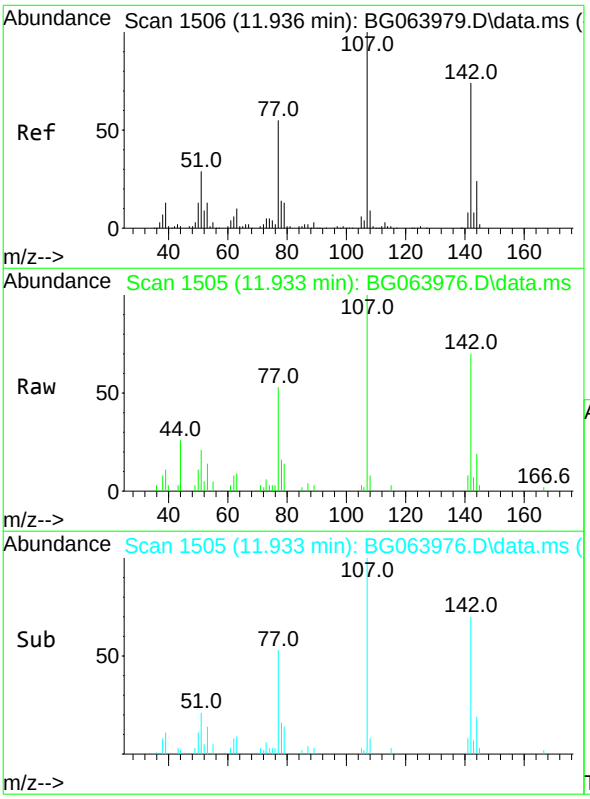
#34
Hexachlorobutadiene
Concen: 4.729 ng
RT: 11.010 min Scan# 13
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 10503

Ion	Ratio	Lower	Upper
225	100		
223	69.1	51.0	76.6
227	63.3	50.3	75.5

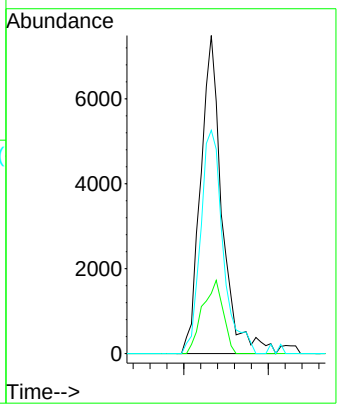


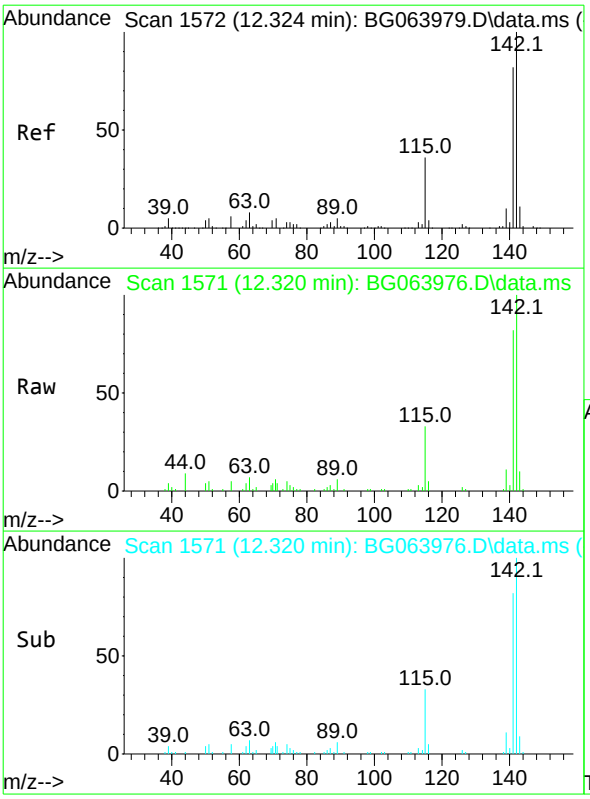


#36
4-Chloro-3-methylphenol
Concen: 3.888 ng
RT: 11.933 min Scan# 1505
Delta R.T. -0.003 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:107 Resp: 13212

Ion	Ratio	Lower	Upper
107	100		
144	18.9	19.2	28.8#
142	70.2	58.9	88.3



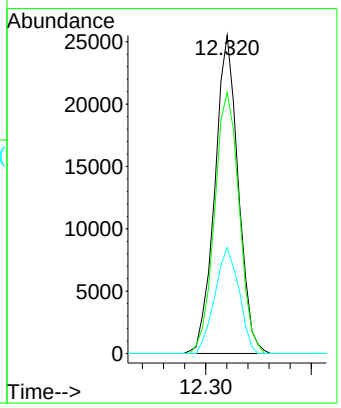


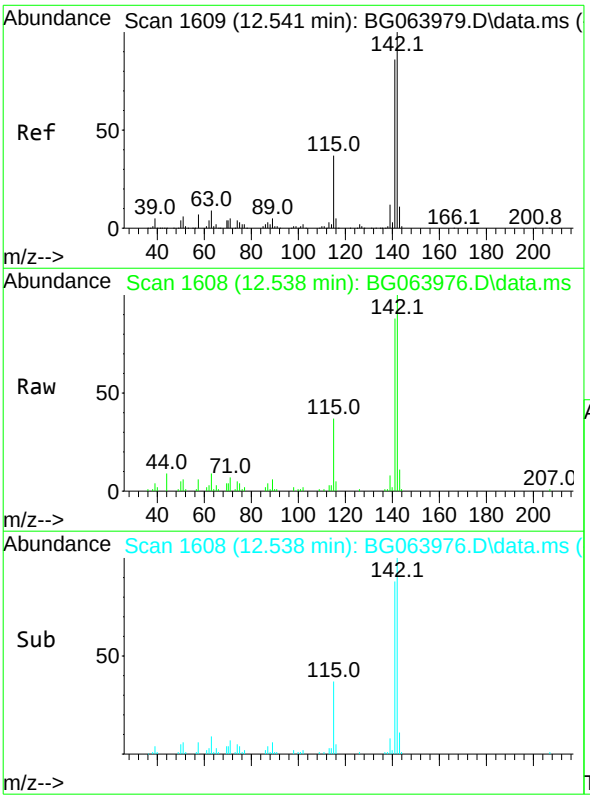
#37
2-Methylnaphthalene
Concen: 5.095 ng
RT: 12.320 min Scan# 15
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 39386

Ion	Ratio	Lower	Upper
142	100		
141	82.1	65.8	98.8
115	33.3	28.9	43.3

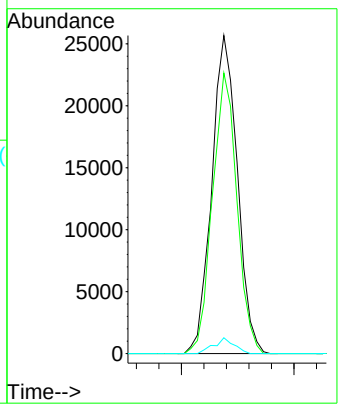


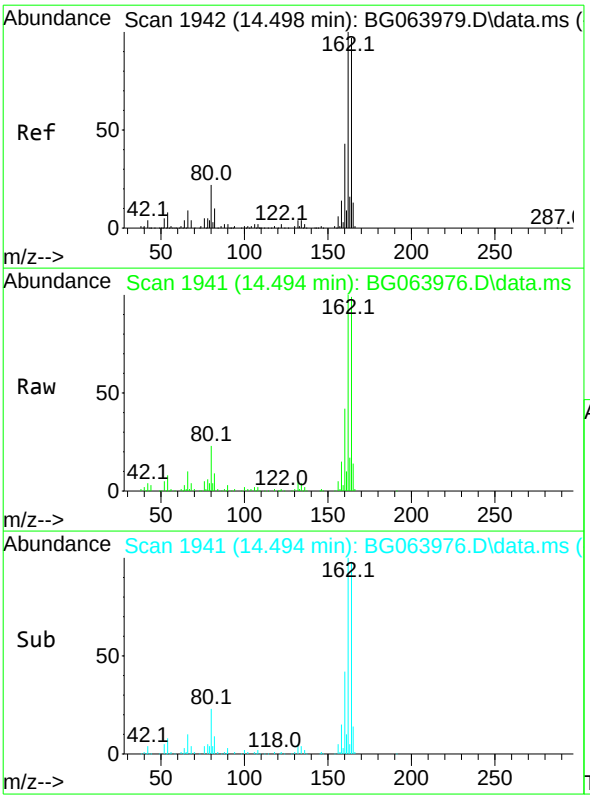


#38
1-Methylnaphthalene
Concen: 5.313 ng
RT: 12.538 min Scan# 1608
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:142 Resp: 40640

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.2	103.8
116	5.0	3.6	5.4



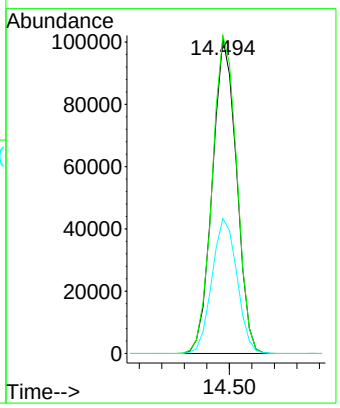


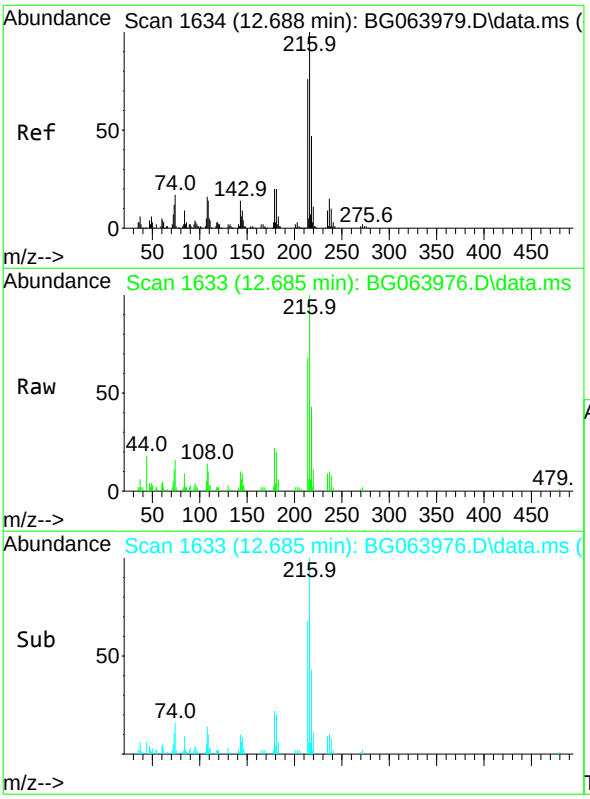
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.494 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 150510

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.3	123.5
160	42.8	35.4	53.0

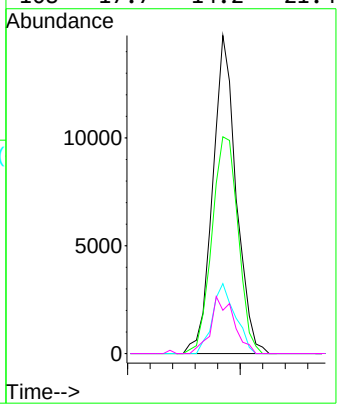


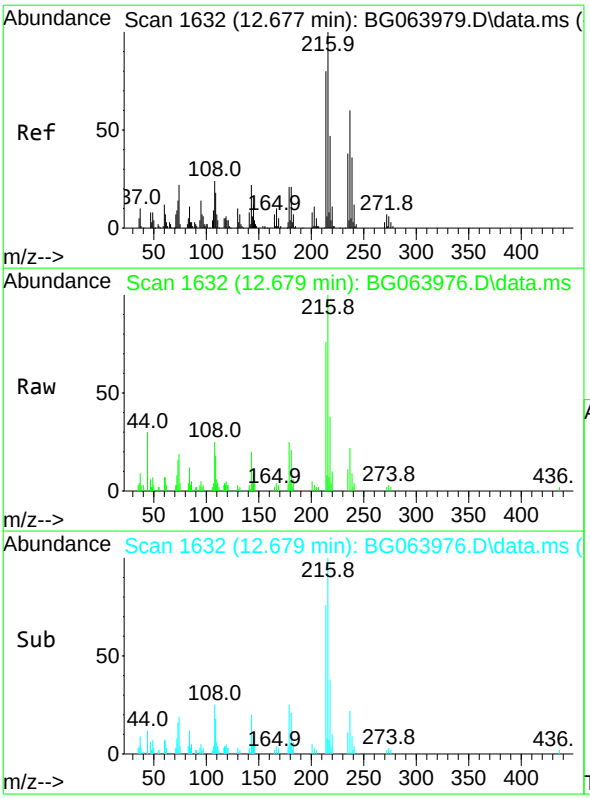


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.804 ng
RT: 12.685 min Scan# 1633
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:216 Resp: 21324

Ion	Ratio	Lower	Upper
216	100		
214	76.2	62.9	94.3
179	21.3	16.6	25.0
108	17.7	14.2	21.4



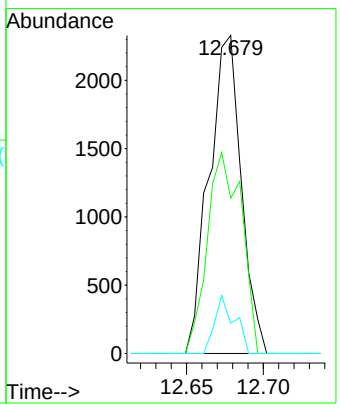


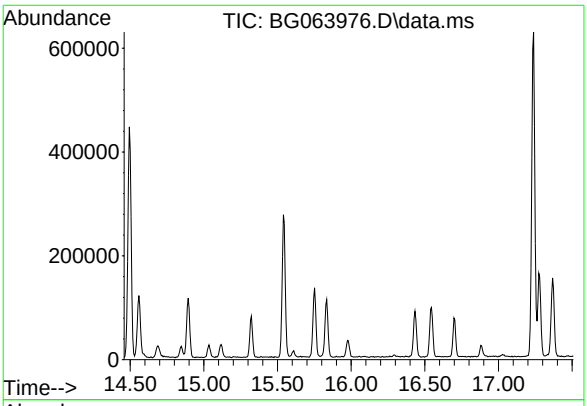
#41
Hexachlorocyclopentadiene
Concen: 2.834 ng
RT: 12.679 min Scan# 16
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 3394

Ion	Ratio	Lower	Upper
237	100		
235	48.8	43.8	83.8
272	9.5	0.0	32.3



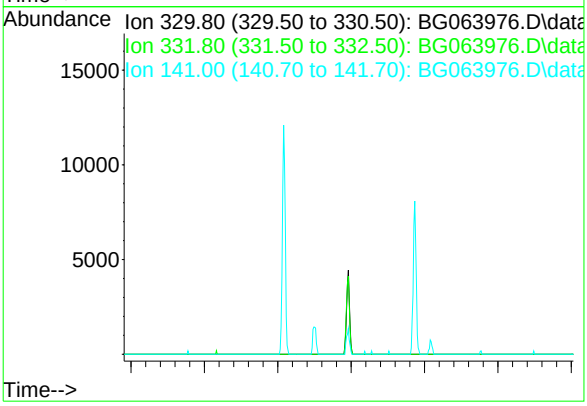


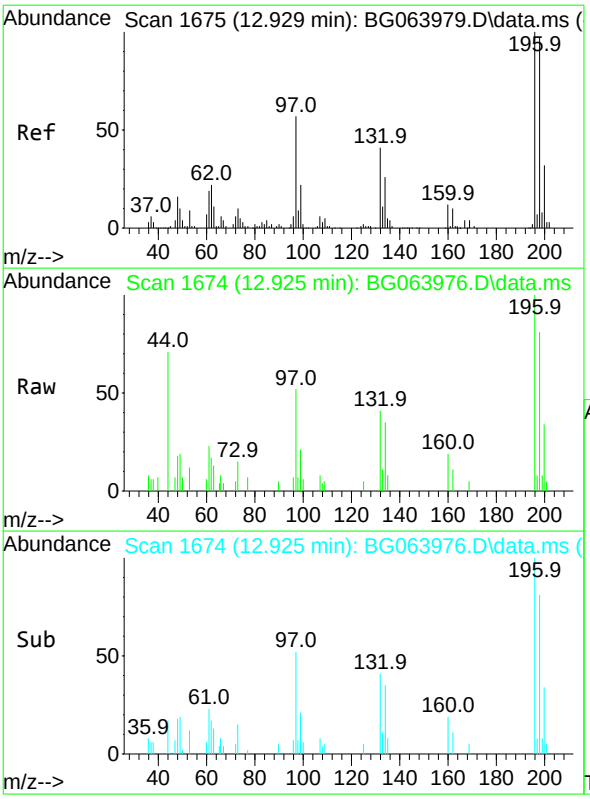
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.98 min

Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	98.8
141	34.0



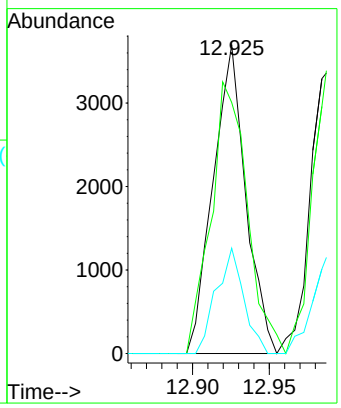


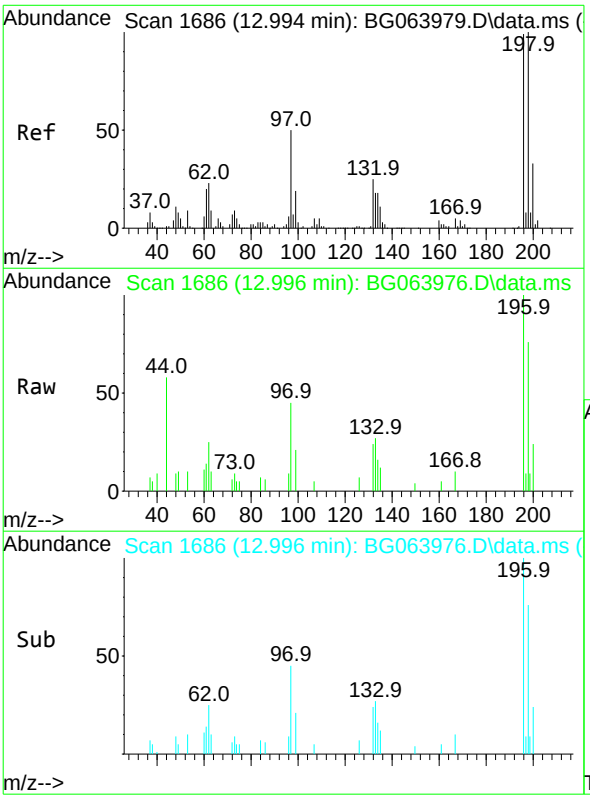
#43
2,4,6-Trichlorophenol
Concen: 6.777 ng
RT: 12.925 min Scan# 16
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 5463

Ion	Ratio	Lower	Upper
196	100		
198	81.3	77.9	116.9
200	34.1	25.5	38.3

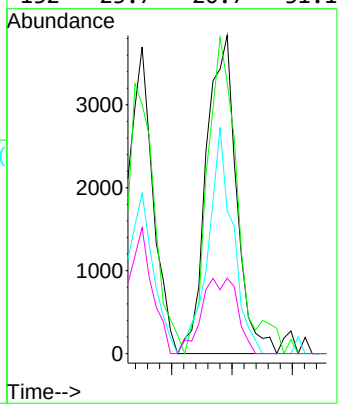


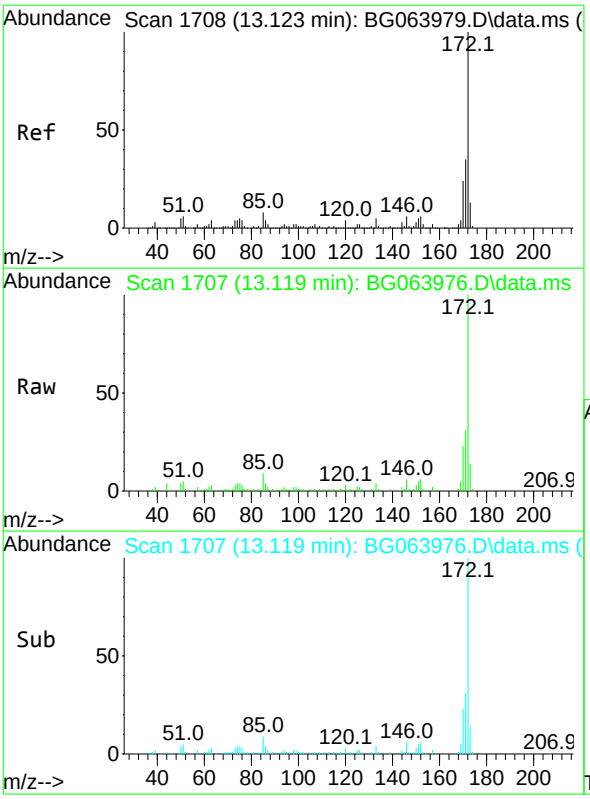


#44
2,4,5-Trichlorophenol
Concen: 6.014 ng
RT: 12.996 min Scan# 1686
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:196 Resp: 6632

Ion	Ratio	Lower	Upper
196	100		
198	85.3	81.1	121.7
97	44.8	41.2	61.8
132	23.7	20.7	31.1



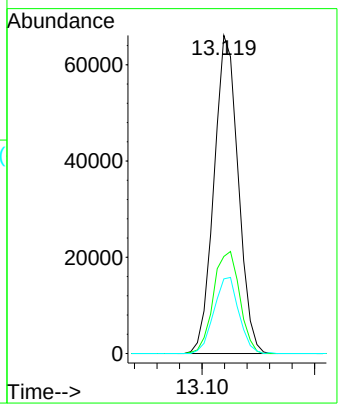


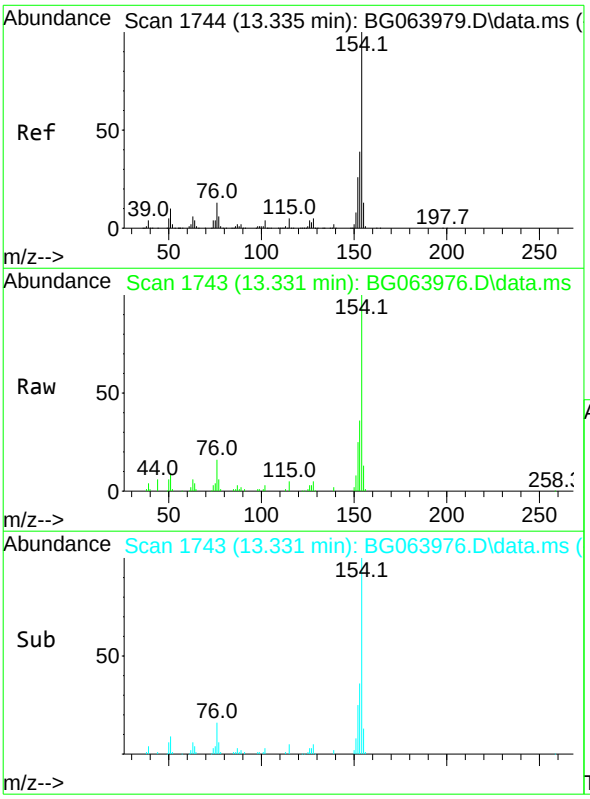
#45
2-Fluorobiphenyl
Concen: 10.063 ng
RT: 13.119 min Scan# 17
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 98850

Ion	Ratio	Lower	Upper
172	100		
171	30.5	27.8	41.6
170	23.4	19.4	29.2

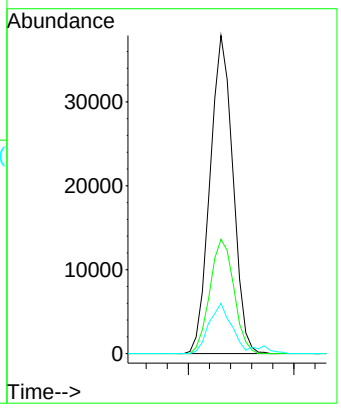


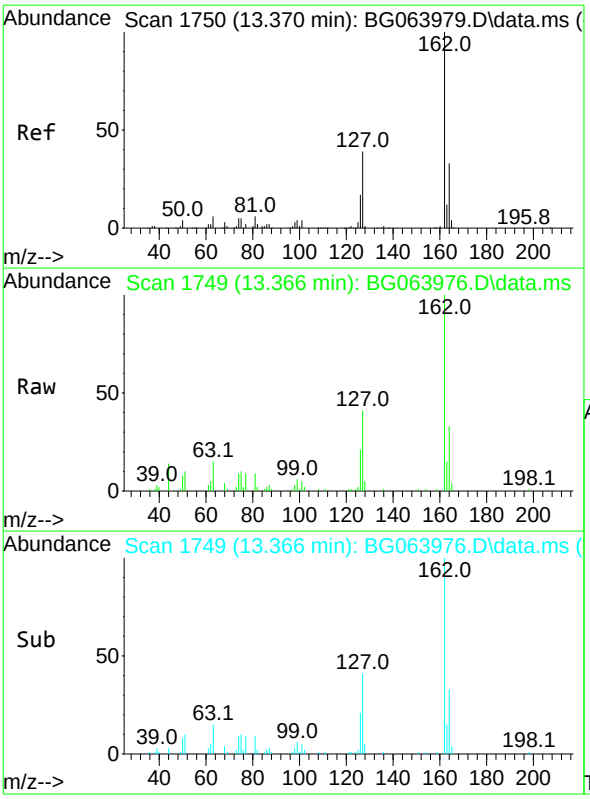


#46
1,1'-Biphenyl
Concen: 4.995 ng
RT: 13.331 min Scan# 1743
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:154 Resp: 57237

Ion	Ratio	Lower	Upper
154	100		
153	35.9	19.3	59.3
76	15.8	0.0	33.3



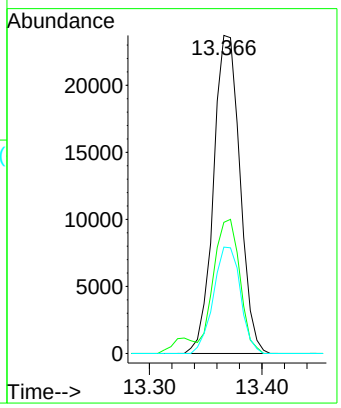


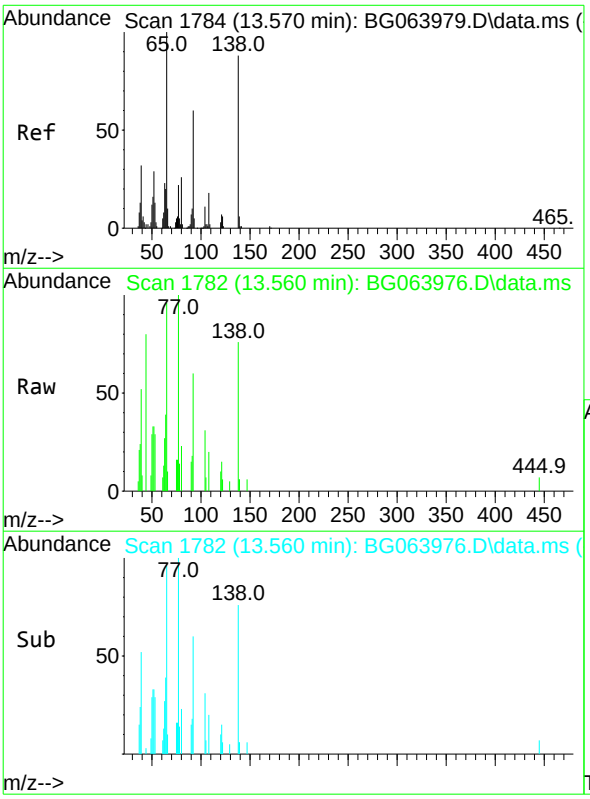
#47
2-Chloronaphthalene
Concen: 4.633 ng
RT: 13.366 min Scan# 17
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 38700

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.4	50.2
164	33.5	26.0	39.0

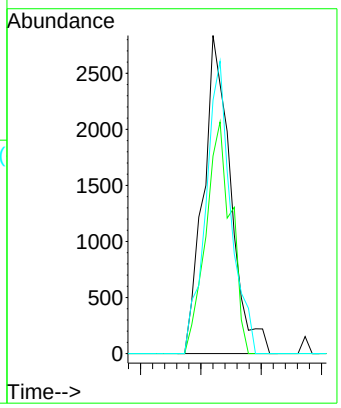


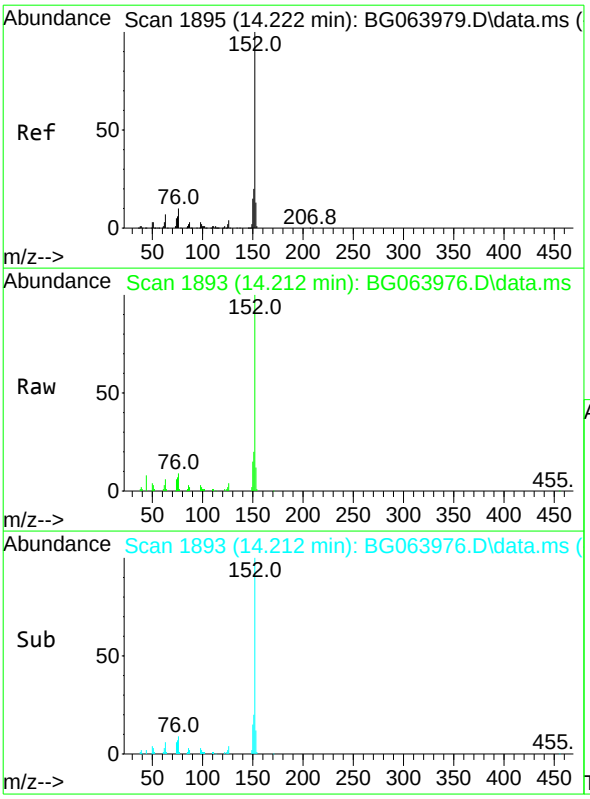


#48
2-Nitroaniline
Concen: 6.486 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion: 65 Resp: 4447

Ion	Ratio	Lower	Upper
65	100		
92	62.1	47.6	71.4
138	79.7	70.6	106.0



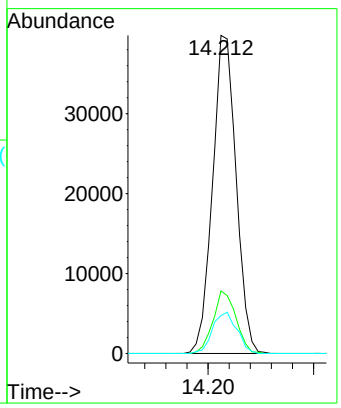


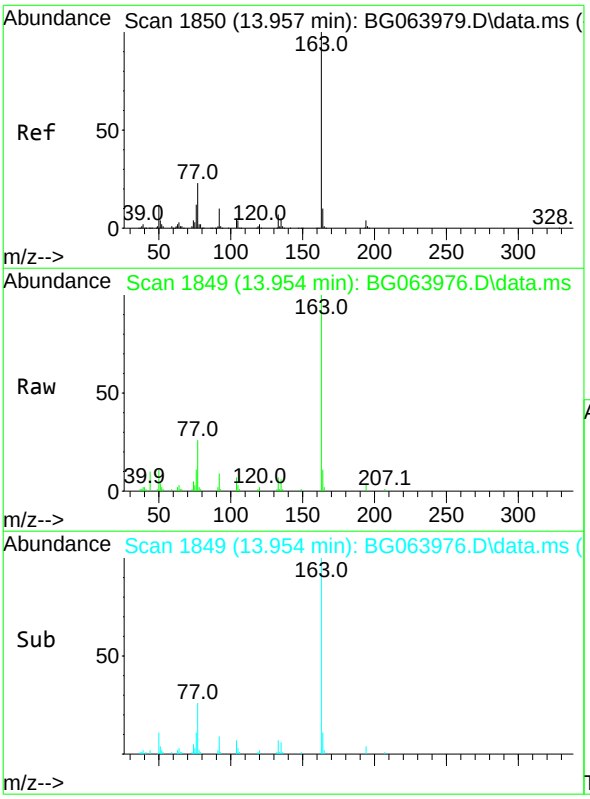
#49
Acenaphthylene
Concen: 4.757 ng
RT: 14.212 min Scan# 18
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 61714

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	11.9	10.3	15.5

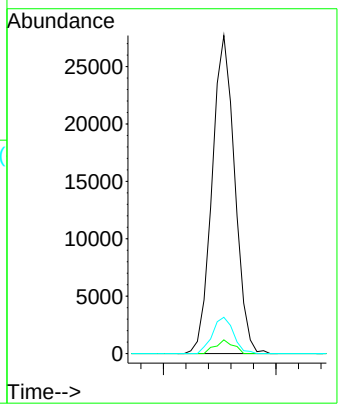


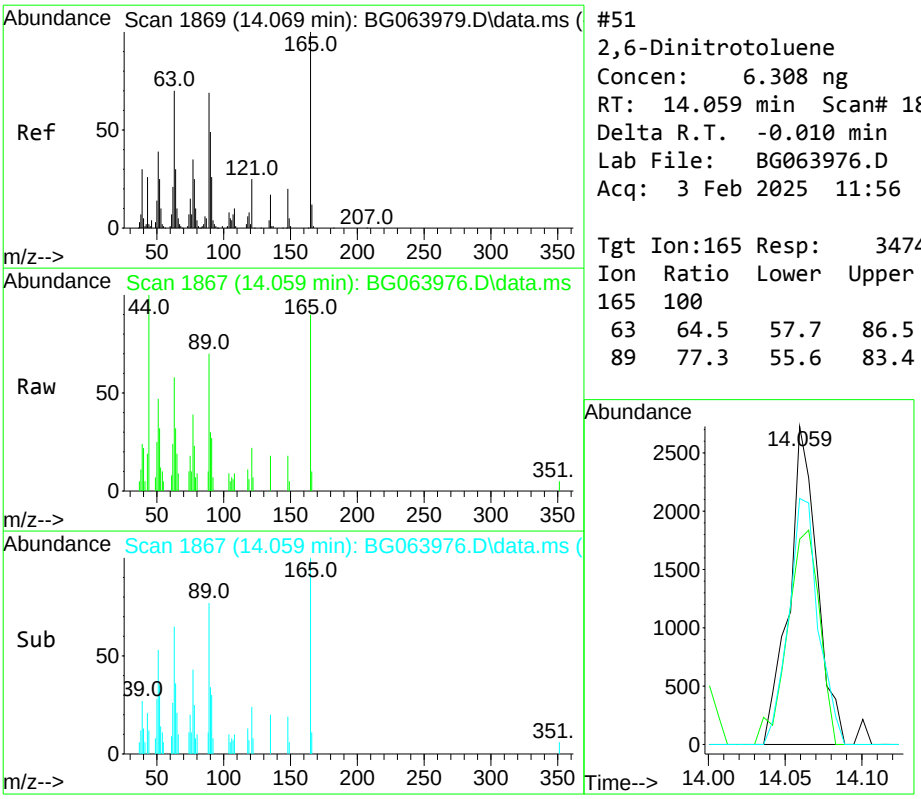


#50
Dimethylphthalate
Concen: 3.880 ng
RT: 13.954 min Scan# 1849
Delta R.T. -0.003 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:163 Resp: 38723

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.4
164	11.4	8.0	12.0



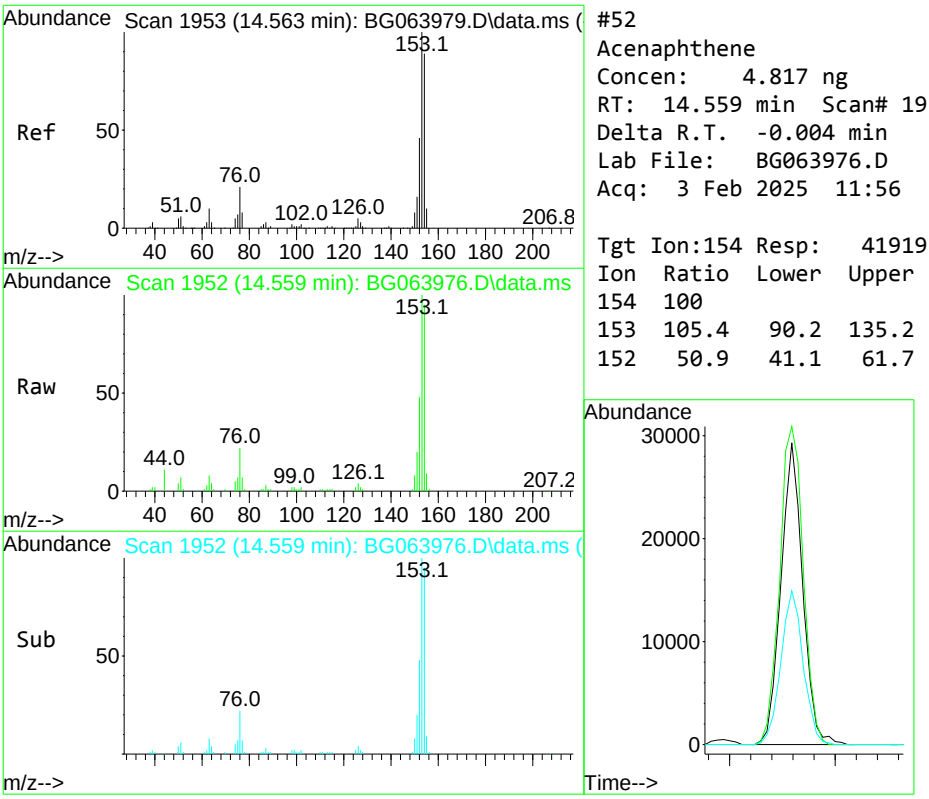


#51
2,6-Dinitrotoluene
Concen: 6.308 ng
RT: 14.059 min Scan# 18
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 3474

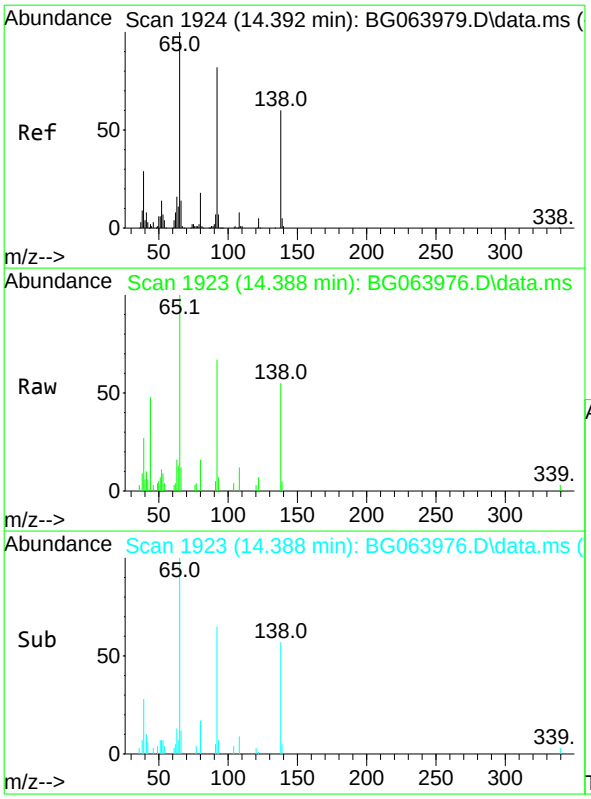
Ion	Ratio	Lower	Upper
165	100		
63	64.5	57.7	86.5
89	77.3	55.6	83.4



#52
Acenaphthene
Concen: 4.817 ng
RT: 14.559 min Scan# 1952
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:154 Resp: 41919

Ion	Ratio	Lower	Upper
154	100		
153	105.4	90.2	135.2
152	50.9	41.1	61.7

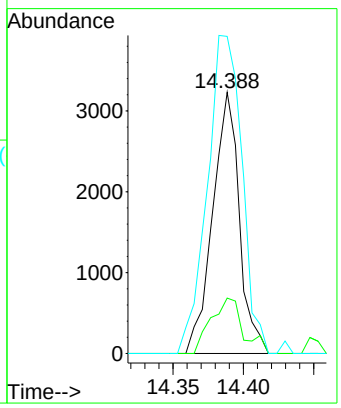


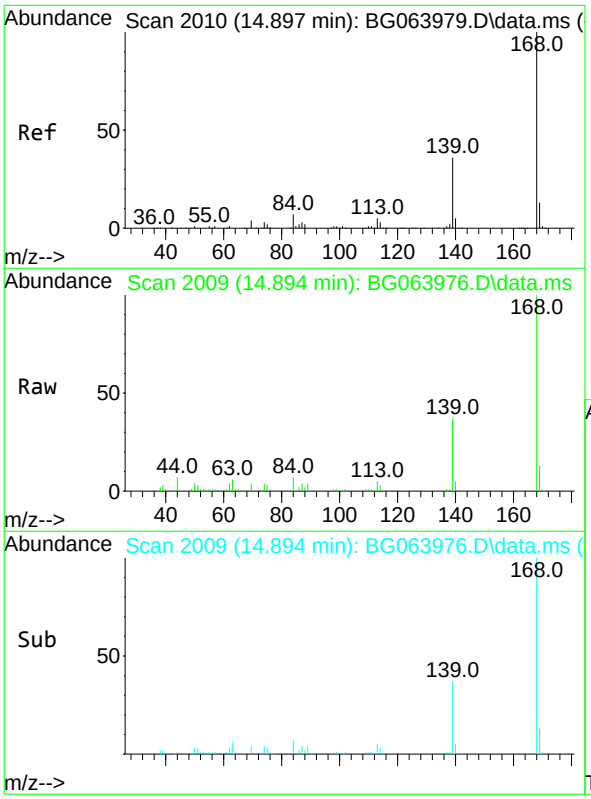
#53
3-Nitroaniline
Concen: 7.043 ng
RT: 14.388 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 4253

Ion	Ratio	Lower	Upper
138	100		
108	21.2	10.3	15.5#
92	121.4	109.0	163.4

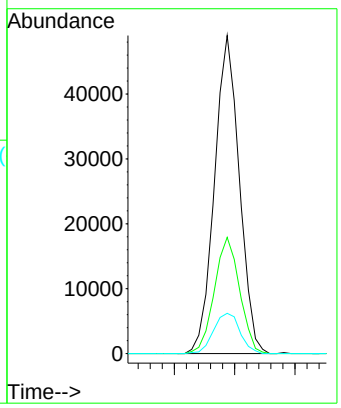


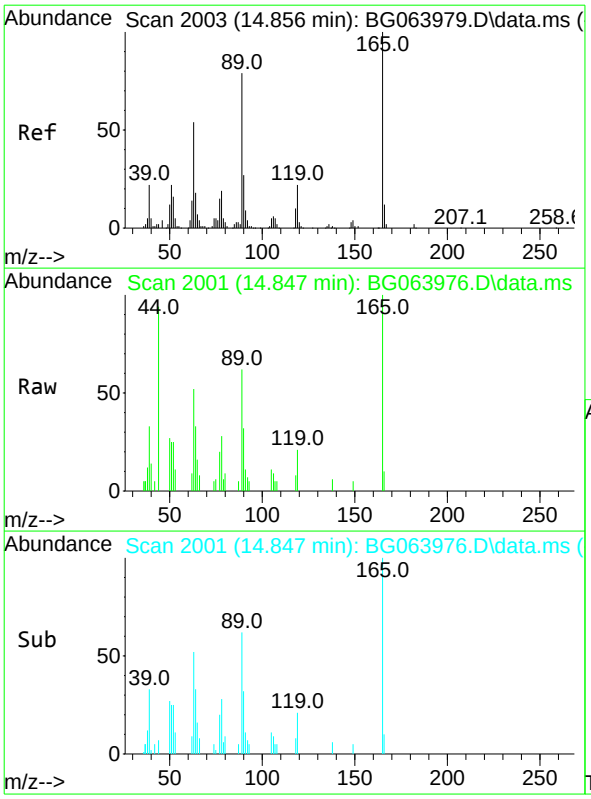


#55
Dibenzofuran
Concen: 4.963 ng
RT: 14.894 min Scan# 2009
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:168 Resp: 70135

Ion	Ratio	Lower	Upper
168	100		
139	36.5	28.6	43.0
169	12.7	10.6	16.0



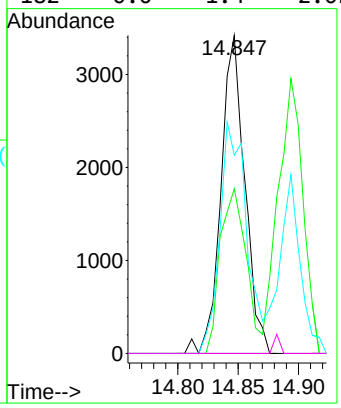


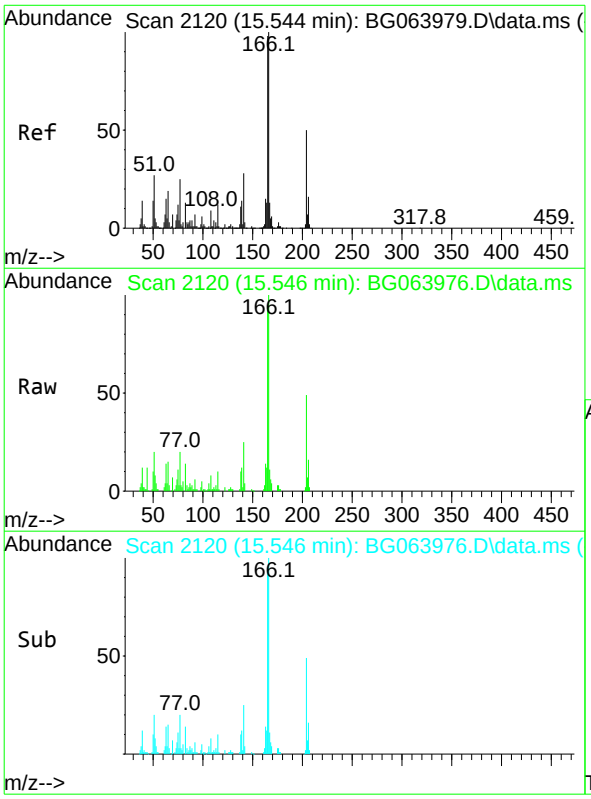
#57
2,4-Dinitrotoluene
Concen: 6.839 ng
RT: 14.847 min Scan# 20
Delta R.T. -0.009 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 4695

Ion	Ratio	Lower	Upper
165	100		
63	51.8	43.6	65.4
89	62.3	63.1	94.7#
182	0.0	1.4	2.0#

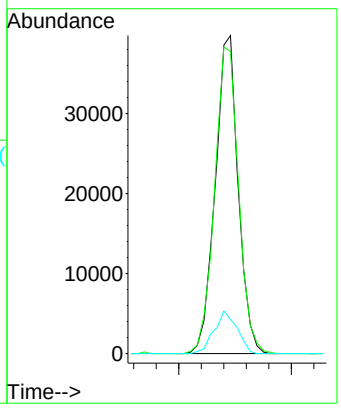


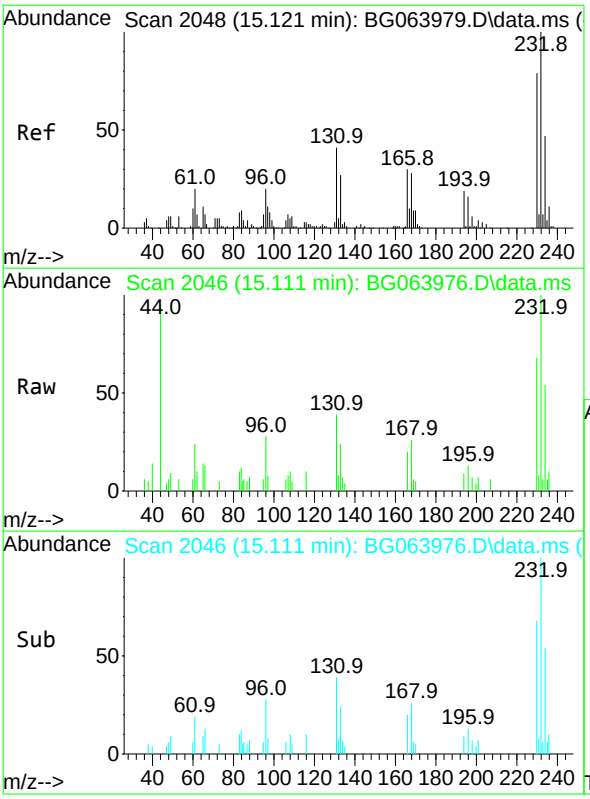


#58
Fluorene
Concen: 5.146 ng
RT: 15.546 min Scan# 2120
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:166 Resp: 56205

Ion	Ratio	Lower	Upper
166	100		
165	94.9	78.7	118.1
167	10.8	10.1	15.1



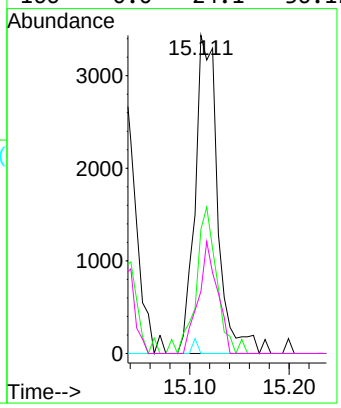


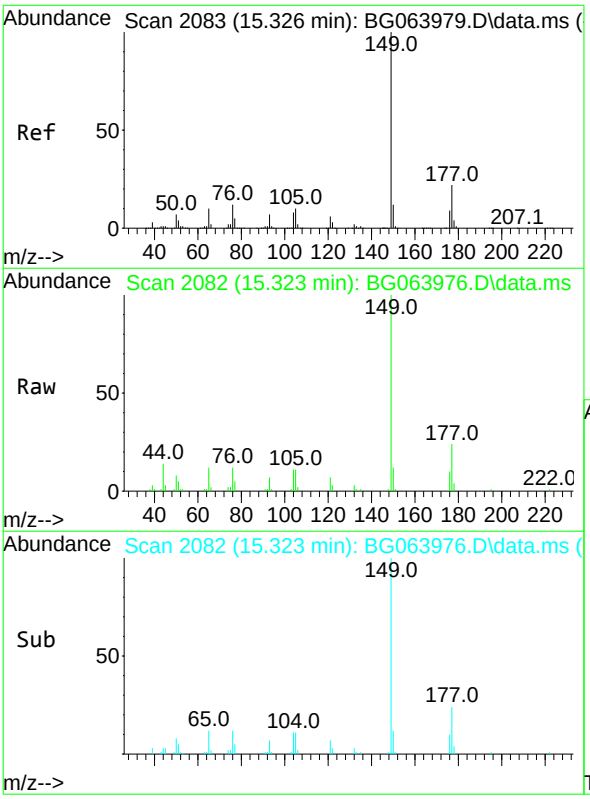
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.936 ng
RT: 15.111 min Scan# 20
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 5485

Ion	Ratio	Lower	Upper
232	100		
131	41.9	34.0	51.0
130	1.0	2.2	3.4#
166	0.0	24.1	36.1#

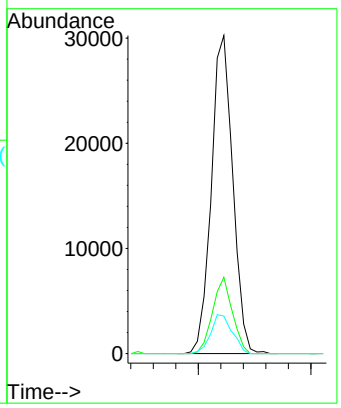


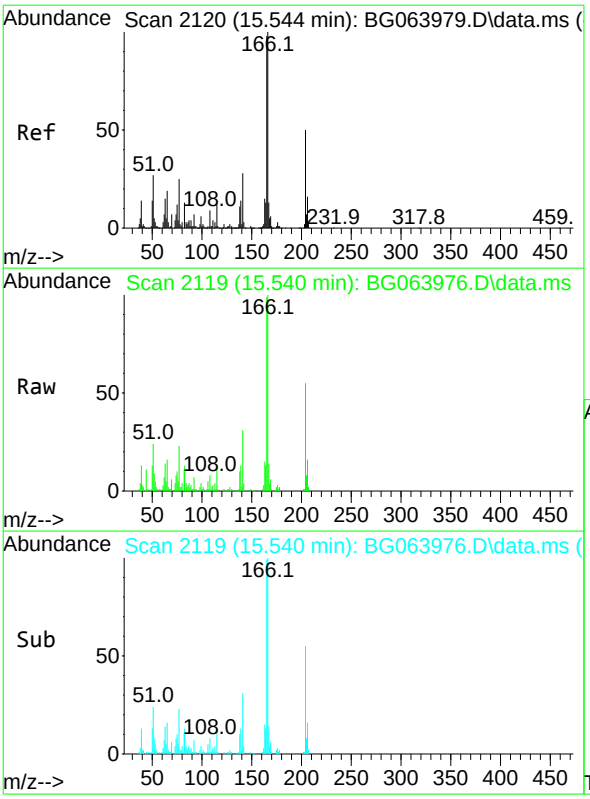


#60
Diethylphthalate
Concen: 3.778 ng
RT: 15.323 min Scan# 2082
Delta R.T. -0.003 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:149 Resp: 39972

Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.0	27.0
150	11.8	9.7	14.5



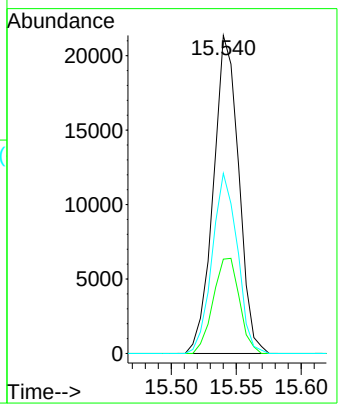


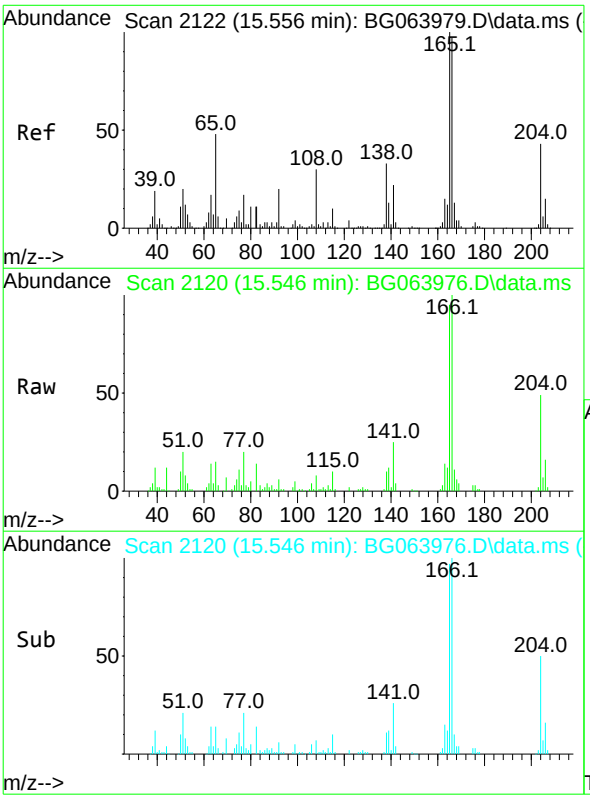
#61
4-Chlorophenyl-phenylether
Concen: 5.293 ng
RT: 15.540 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 29007

Ion	Ratio	Lower	Upper
204	100		
206	29.7	25.8	38.6
141	56.6	44.6	67.0

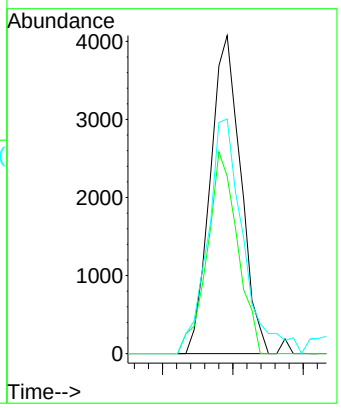


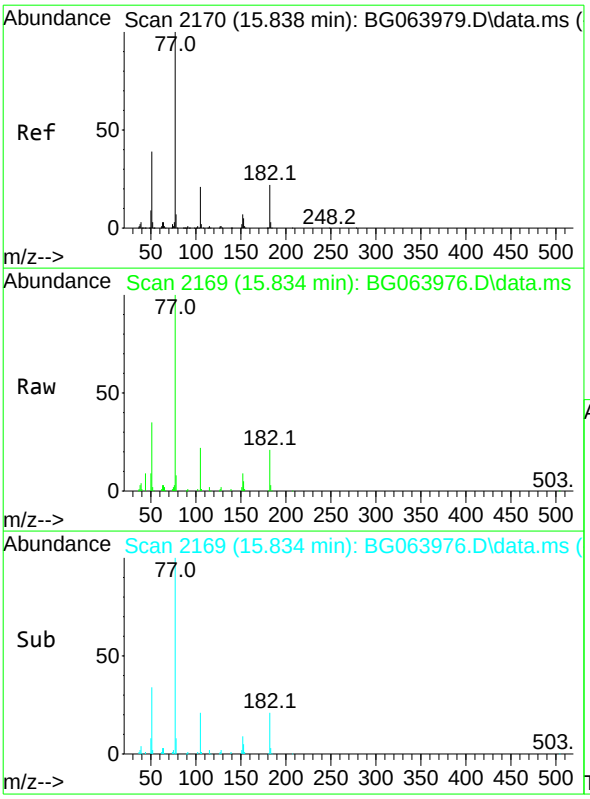


#62
4-Nitroaniline
Concen: 6.320 ng
RT: 15.546 min Scan# 2120
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:138 Resp: 6135

Ion	Ratio	Lower	Upper
138	100		
92	55.7	40.3	80.3
108	73.8	69.3	109.3



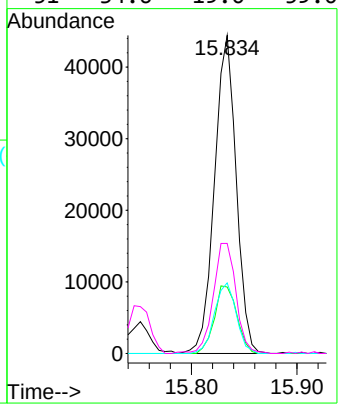


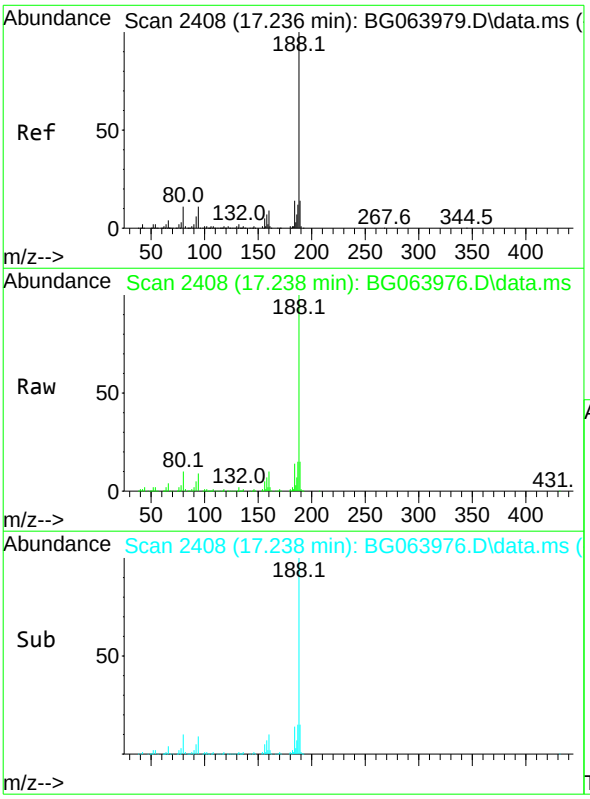
#63
Azobenzene
Concen: 5.086 ng
RT: 15.834 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 63559

Ion	Ratio	Lower	Upper
77	100		
182	20.9	2.3	42.3
105	22.2	1.0	41.0
51	34.6	19.0	59.0

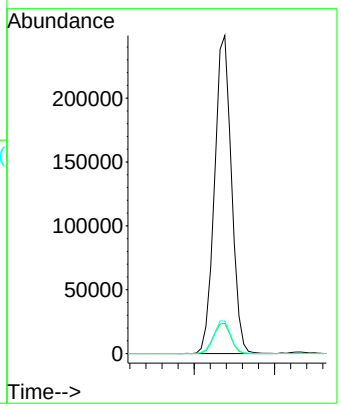


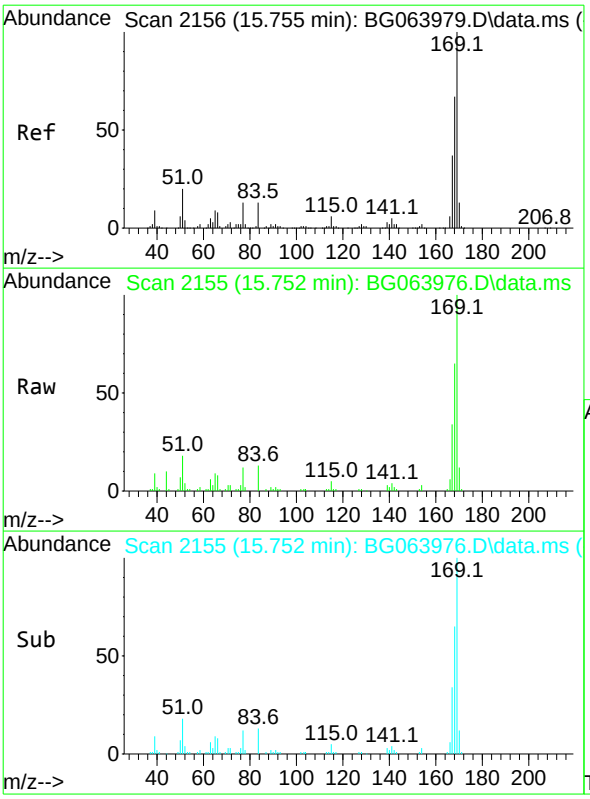


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.238 min Scan# 2408
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:188 Resp: 363622

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.6	13.0
80	10.2	8.5	12.7



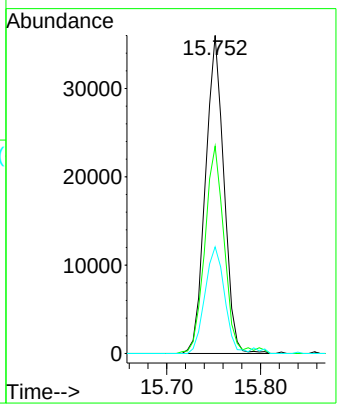


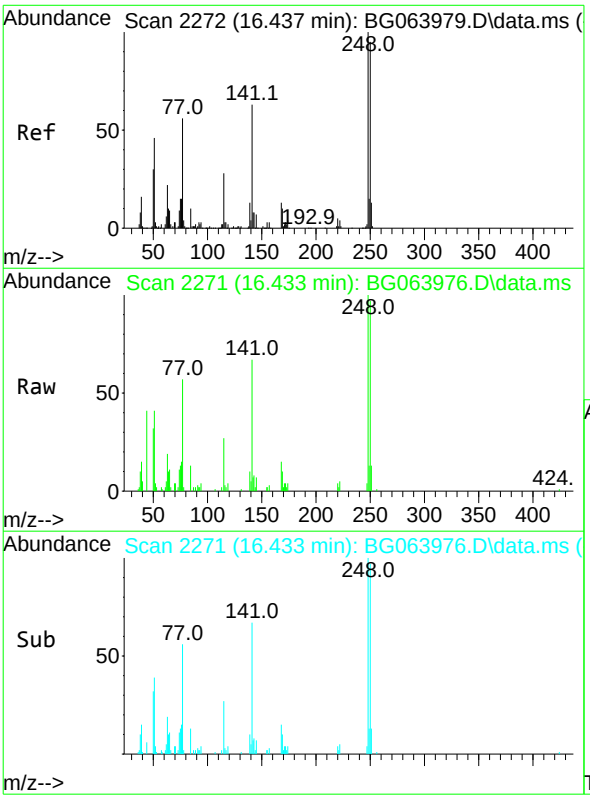
#66
n-Nitrosodiphenylamine
Concen: 4.869 ng
RT: 15.752 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 49093

Ion	Ratio	Lower	Upper
169	100		
168	65.2	53.5	80.3
167	33.5	30.0	45.0

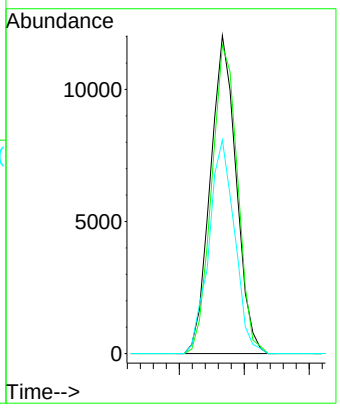


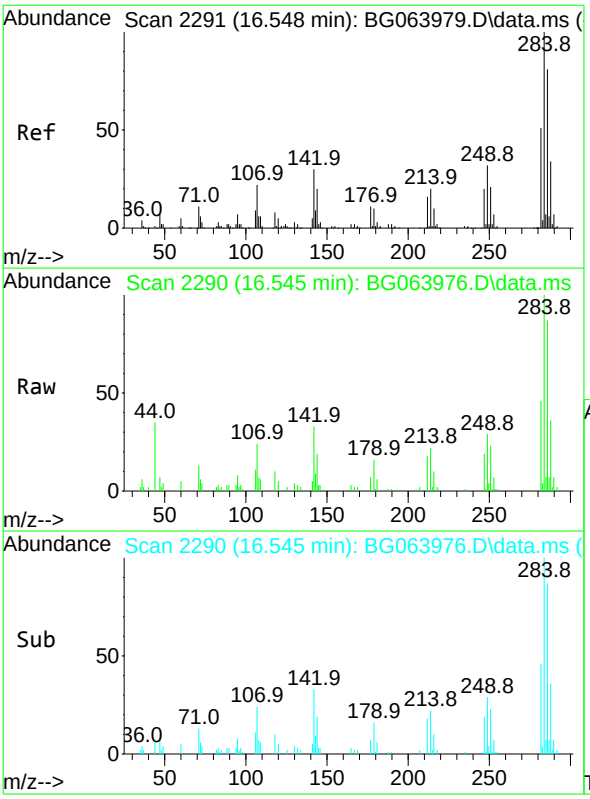


#67
4-Bromophenyl-phenylether
Concen: 4.606 ng
RT: 16.433 min Scan# 2271
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:248 Resp: 16670

Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.2	114.4
141	67.2	50.6	75.8



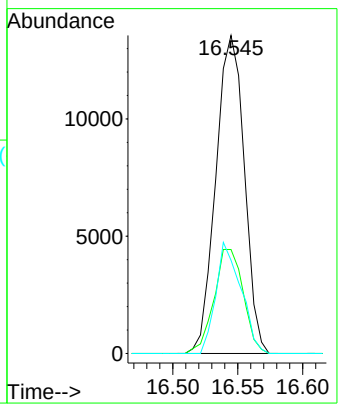


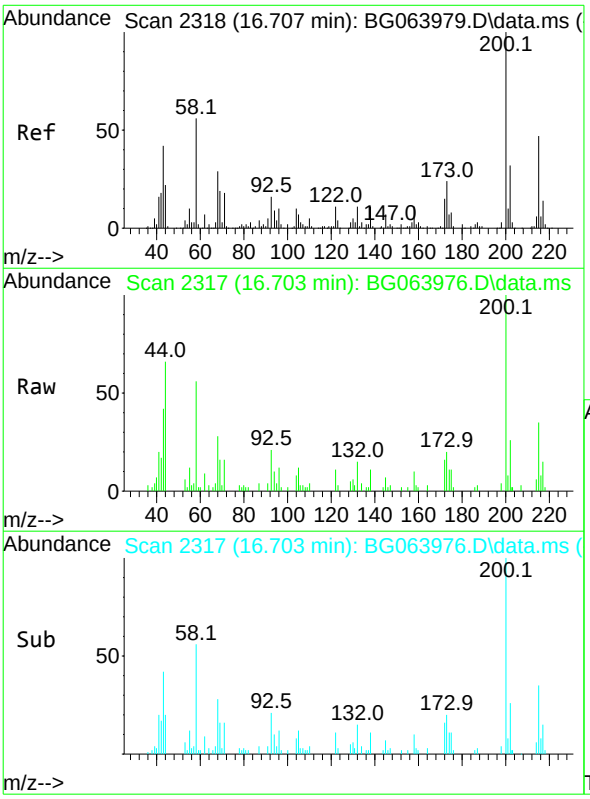
#68
Hexachlorobenzene
Concen: 4.866 ng
RT: 16.545 min Scan# 22
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 20705

Ion	Ratio	Lower	Upper
284	100		
142	32.7	23.8	35.8
249	33.3	25.9	38.9

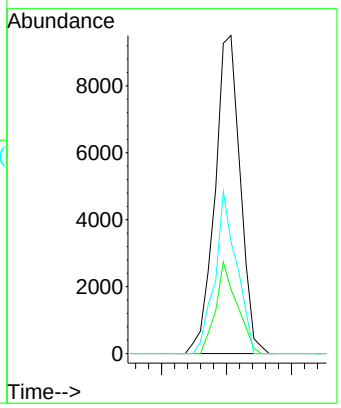


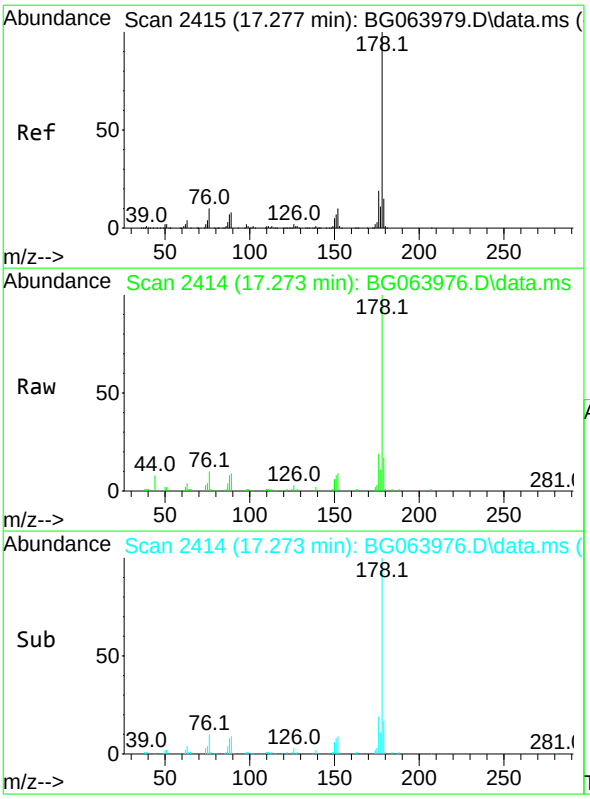


#69
Atrazine
Concen: 3.830 ng
RT: 16.703 min Scan# 2317
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:200 Resp: 12851

Ion	Ratio	Lower	Upper
200	100		
173	20.1	3.8	43.8
215	35.2	26.6	66.6



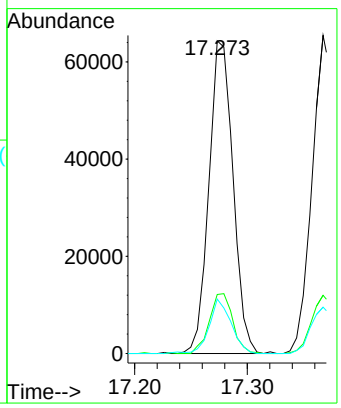


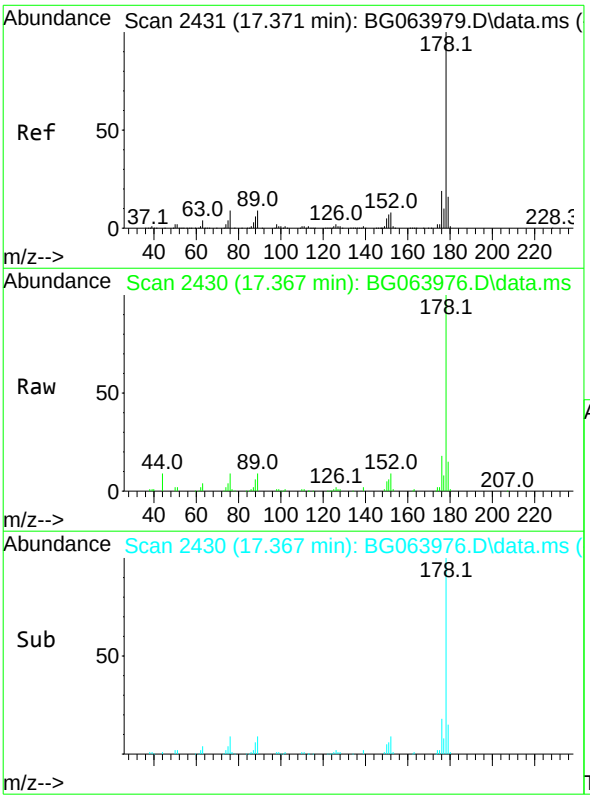
#71
Phenanthrene
Concen: 5.020 ng
RT: 17.273 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 95874

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	17.4	12.2	18.4

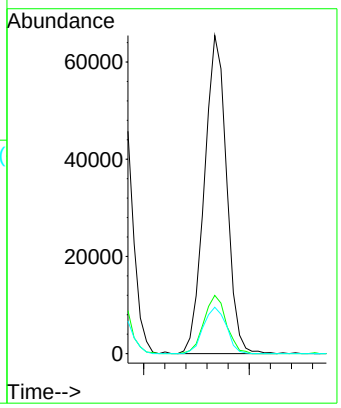


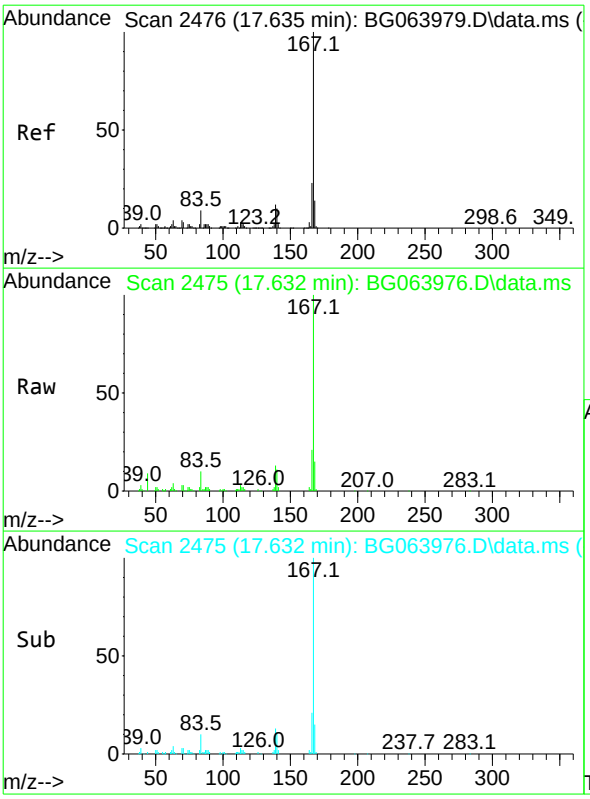


#72
Anthracene
Concen: 5.009 ng
RT: 17.367 min Scan# 2430
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:178 Resp: 95726

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	14.6	12.8	19.2



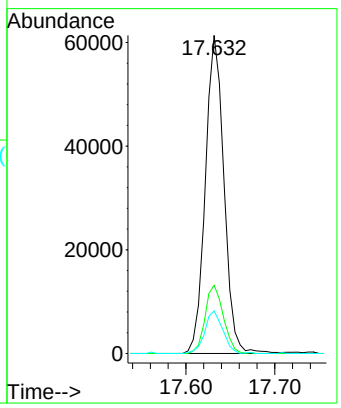


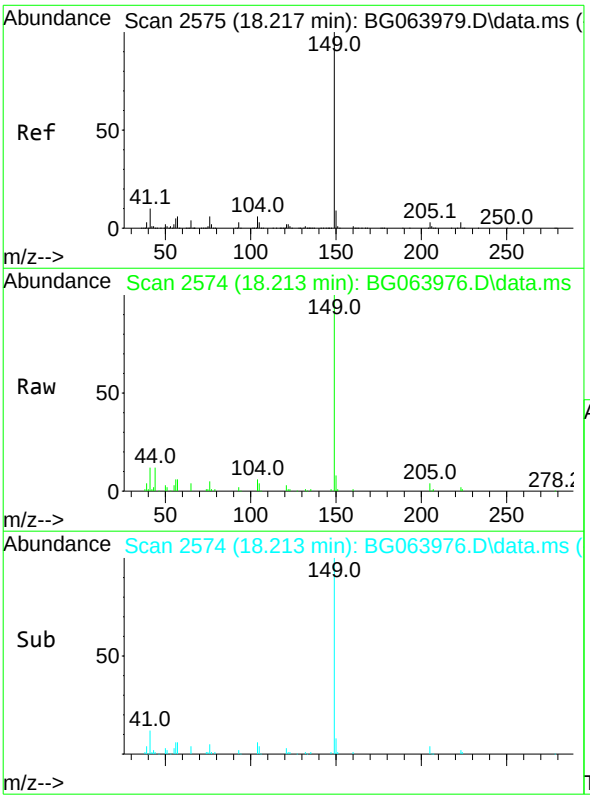
#73
Carbazole
Concen: 4.987 ng
RT: 17.632 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 89215

Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.6	28.0
139	13.4	9.8	14.8

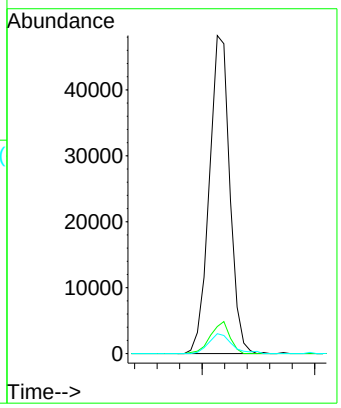


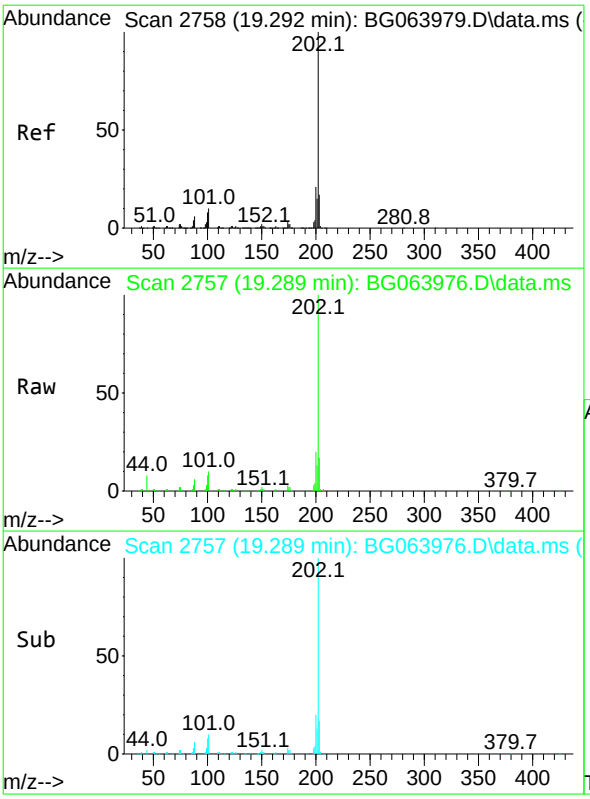


#74
Di-n-butylphthalate
Concen: 3.271 ng
RT: 18.213 min Scan# 2574
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:149 Resp: 60998

Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.4	11.0
104	6.3	4.6	6.8



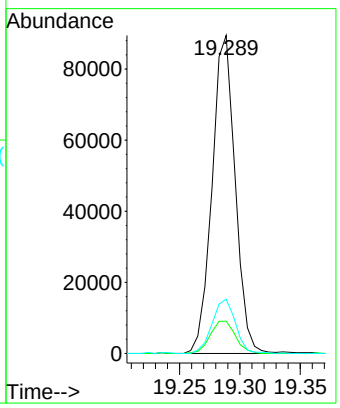


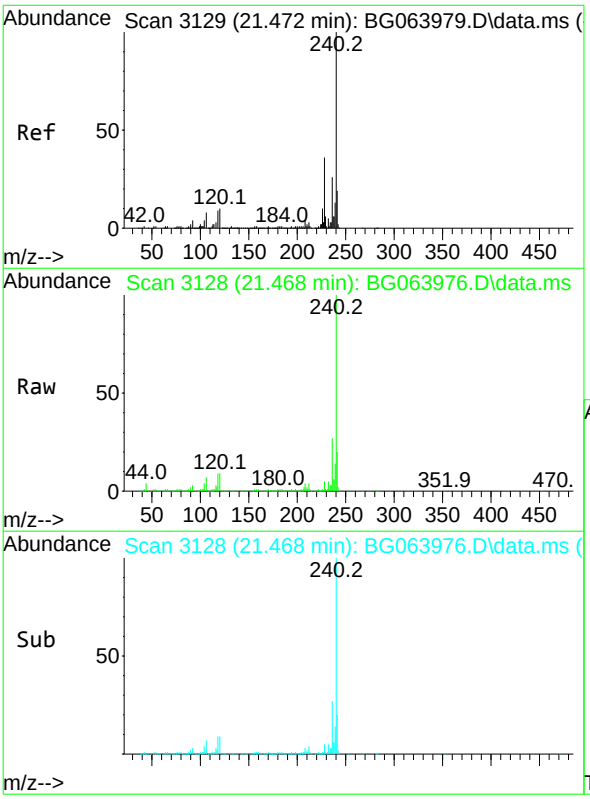
#75
Fluoranthene
Concen: 5.128 ng
RT: 19.289 min Scan# 27
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 119253

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.4
203	17.0	0.0	37.0

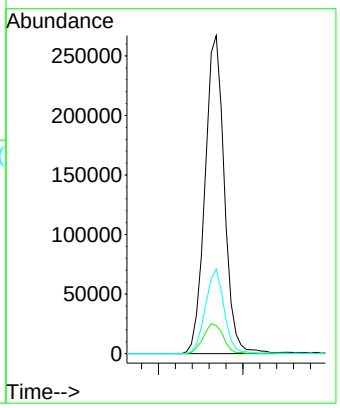


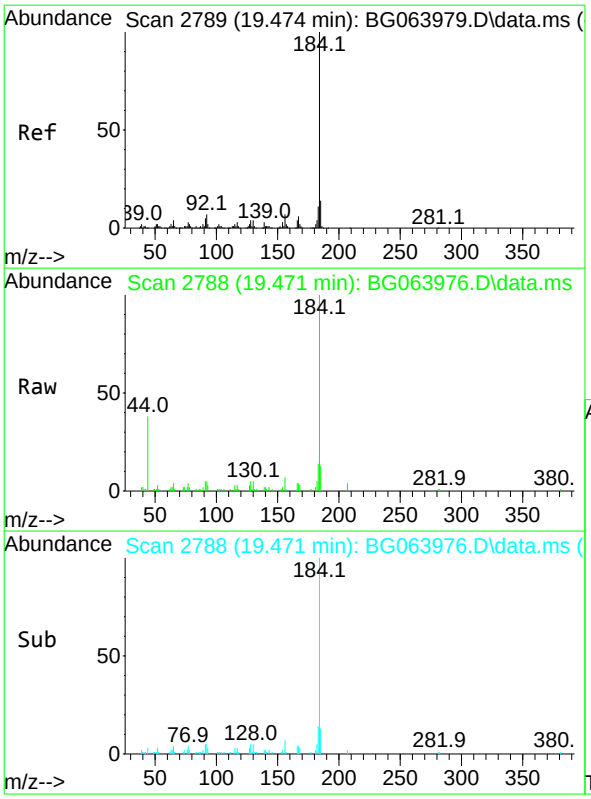


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3128
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:240 Resp: 424138

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.9	11.9
236	26.5	21.0	31.6



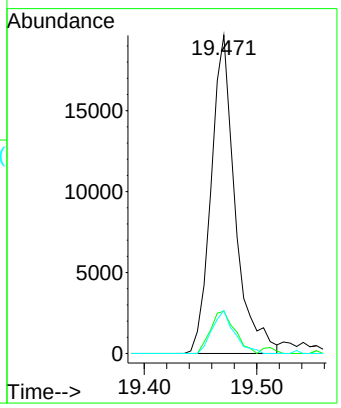


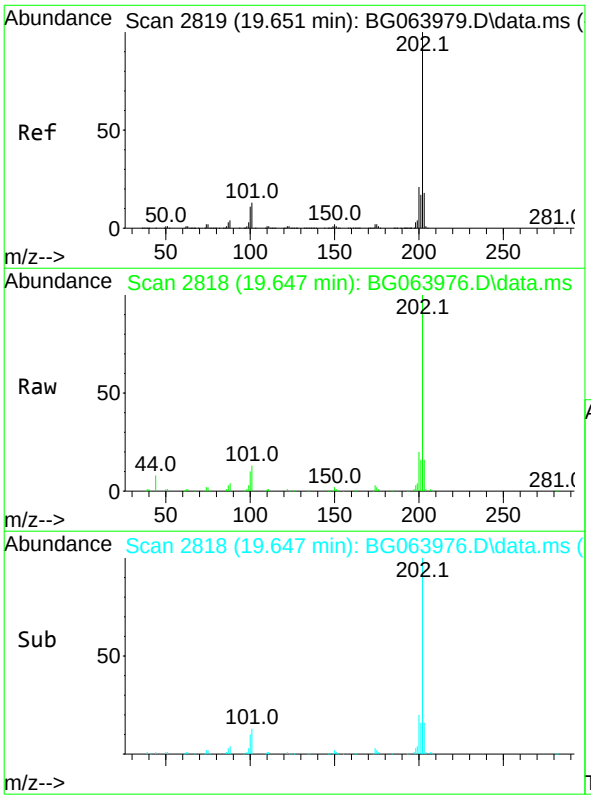
#77
Benzidine
Concen: 3.226 ng
RT: 19.471 min Scan# 27
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 29139

Ion	Ratio	Lower	Upper
184	100		
185	13.3	11.2	16.8
183	13.5	8.7	13.1#

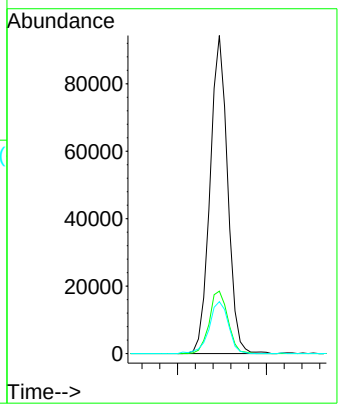


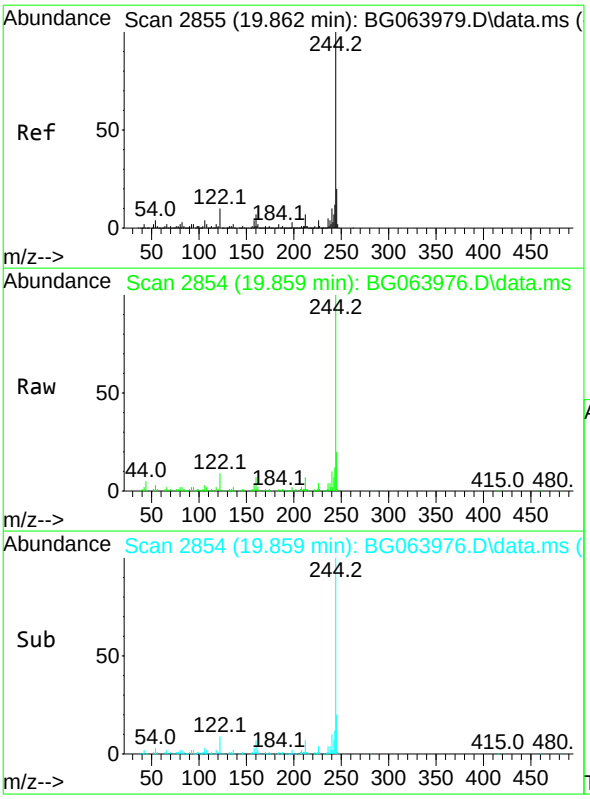


#78
Pyrene
Concen: 4.941 ng
RT: 19.647 min Scan# 2818
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:202 Resp: 129379

Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.0	25.4
203	16.3	14.5	21.7



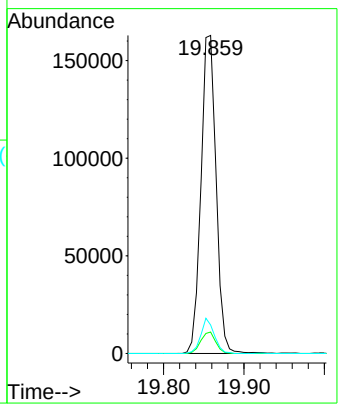


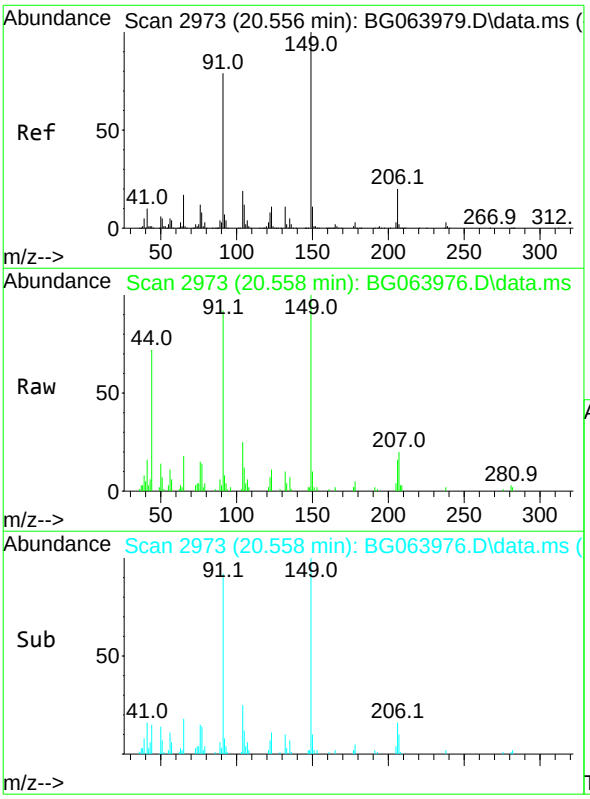
#79
Terphenyl-d14
Concen: 10.497 ng
RT: 19.859 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 213179

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	9.0	7.7	11.5

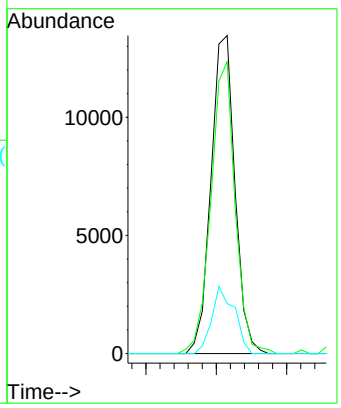


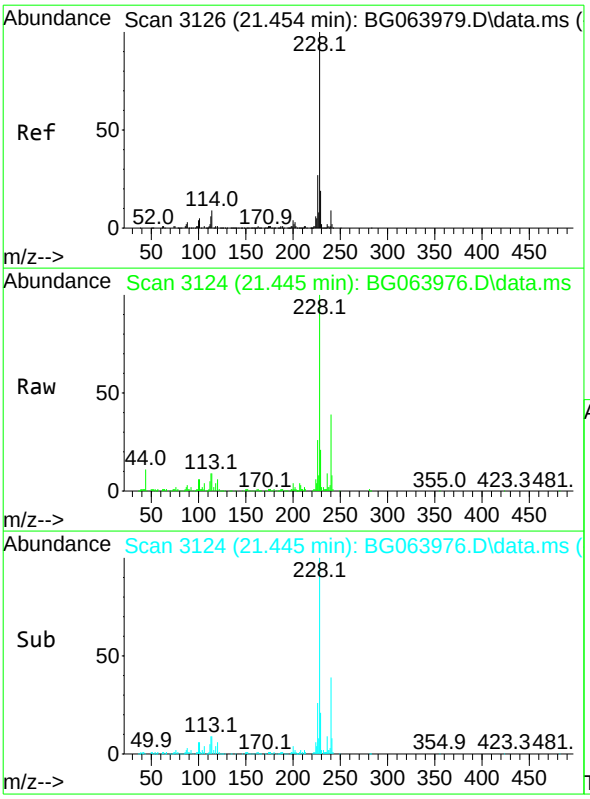


#80
Butylbenzylphthalate
Concen: 7.094 ng
RT: 20.558 min Scan# 2973
Delta R.T. 0.002 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:149 Resp: 15902

Ion	Ratio	Lower	Upper
149	100		
91	91.7	63.0	94.6
206	15.7	15.8	23.6#



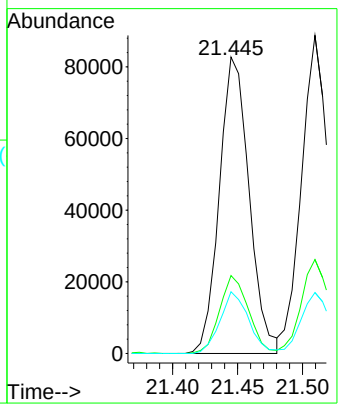


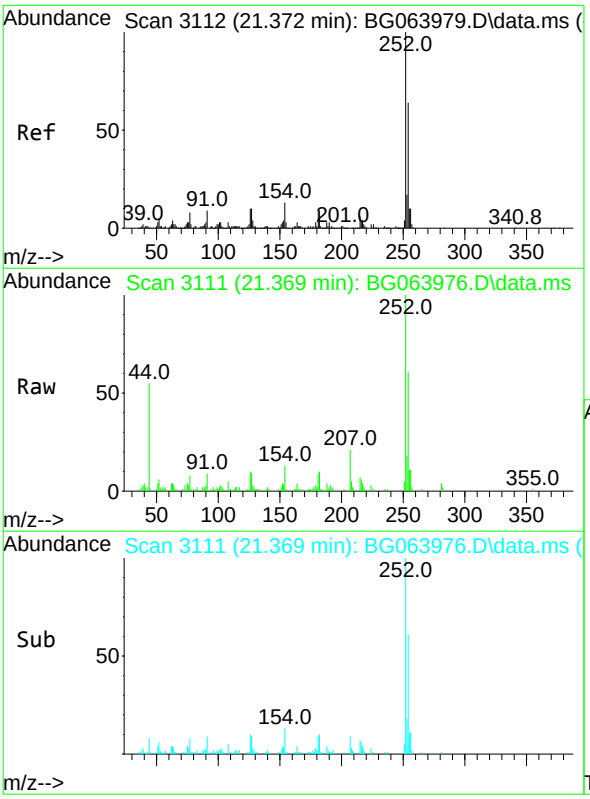
#81
Benzo(a)anthracene
Concen: 4.915 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 132362

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.8	32.6
229	20.8	15.5	23.3

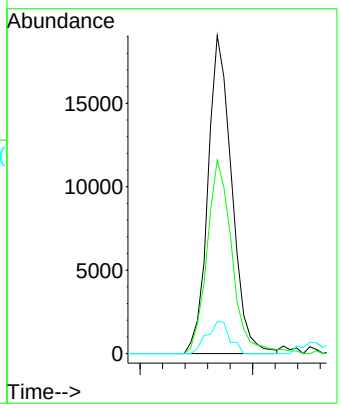


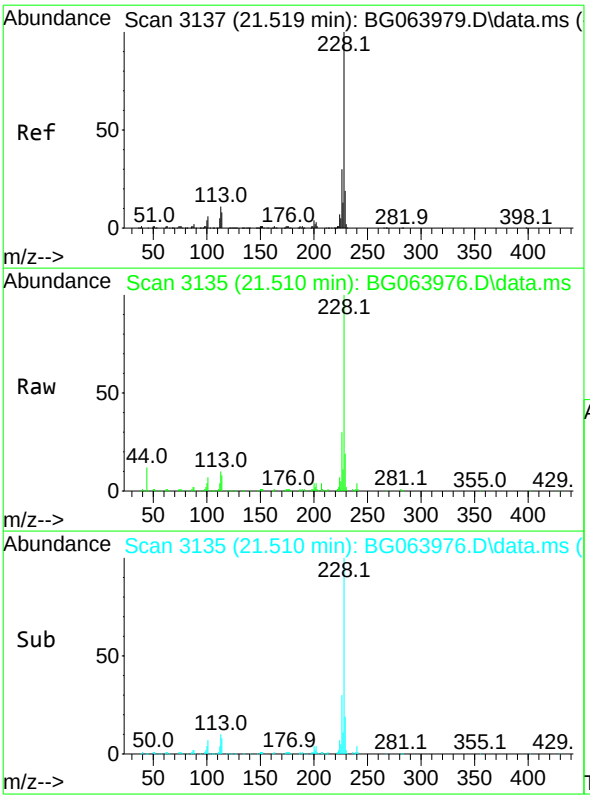


#82
3,3'-Dichlorobenzidine
Concen: 3.339 ng
RT: 21.369 min Scan# 3111
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:252 Resp: 28005

Ion	Ratio	Lower	Upper
252	100		
254	60.9	50.8	76.2
126	10.2	8.2	12.2



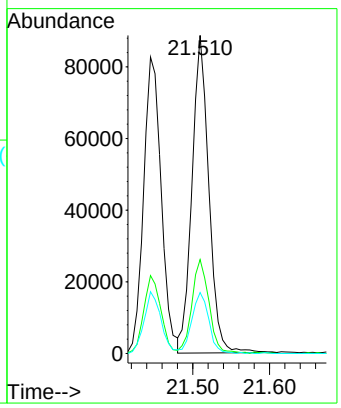


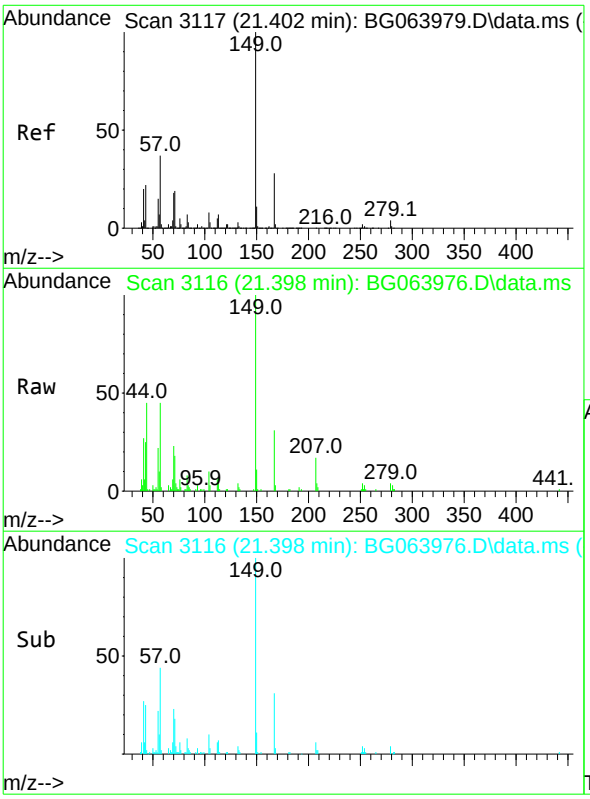
#83
Chrysene
Concen: 5.036 ng
RT: 21.510 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 134964

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	19.2	15.4	23.0

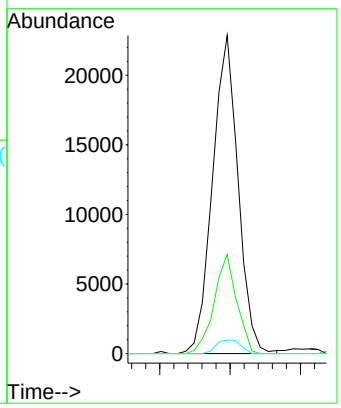


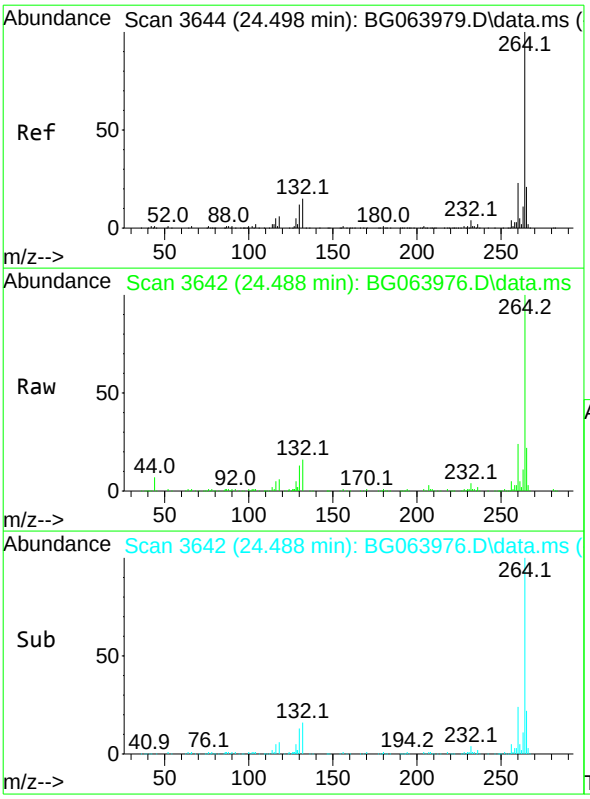


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.250 ng
RT: 21.398 min Scan# 3116
Delta R.T. -0.004 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:149 Resp: 28808

Ion	Ratio	Lower	Upper
149	100		
167	31.2	22.5	33.7
279	4.3	3.0	4.4



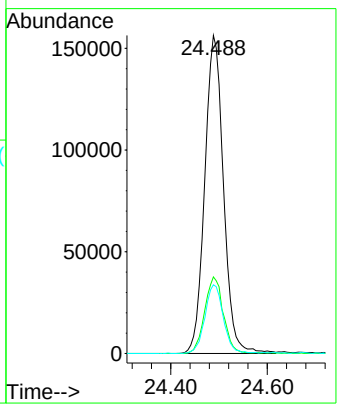


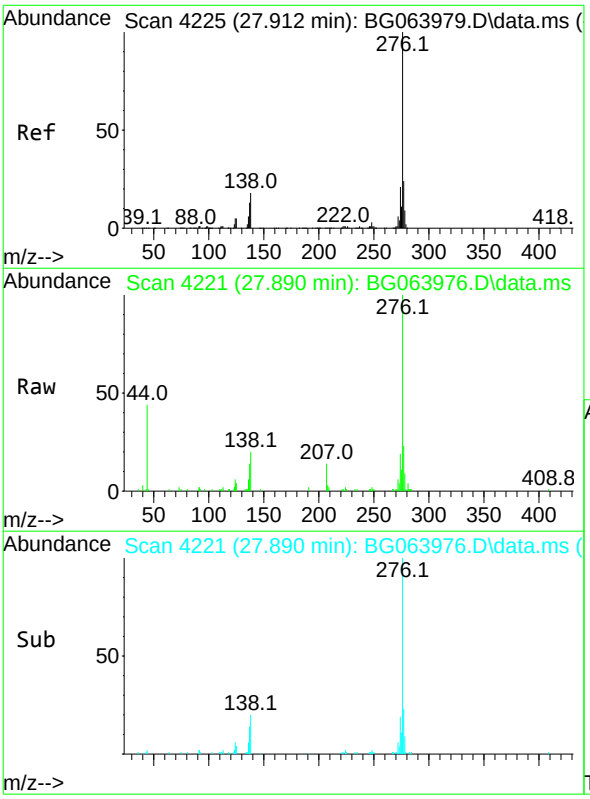
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.488 min Scan# 36
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 422465

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.6	16.6	24.8

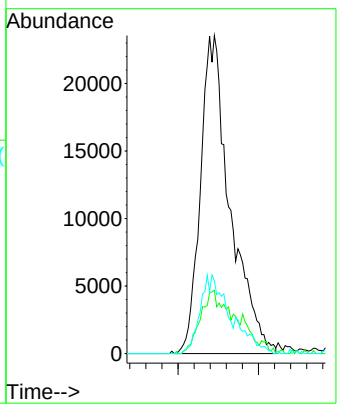


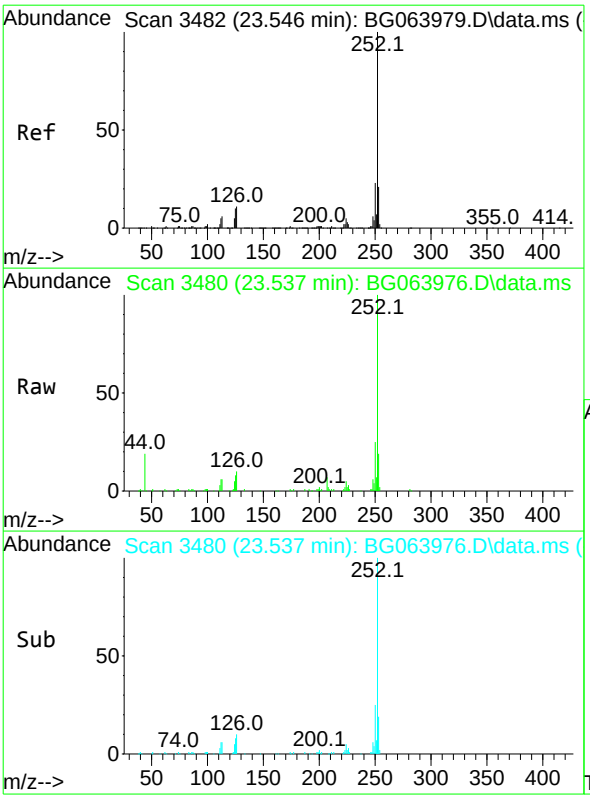


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.443 ng
RT: 27.890 min Scan# 4221
Delta R.T. -0.021 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:276 Resp: 121101

Ion	Ratio	Lower	Upper
276	100		
138	19.6	10.7	16.1#
277	8.6	20.2	30.4#



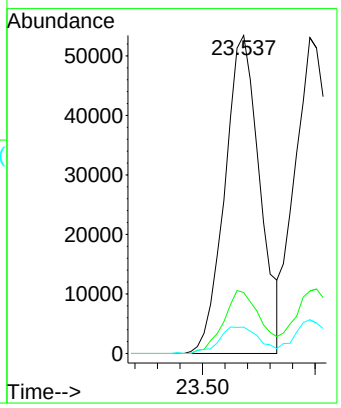


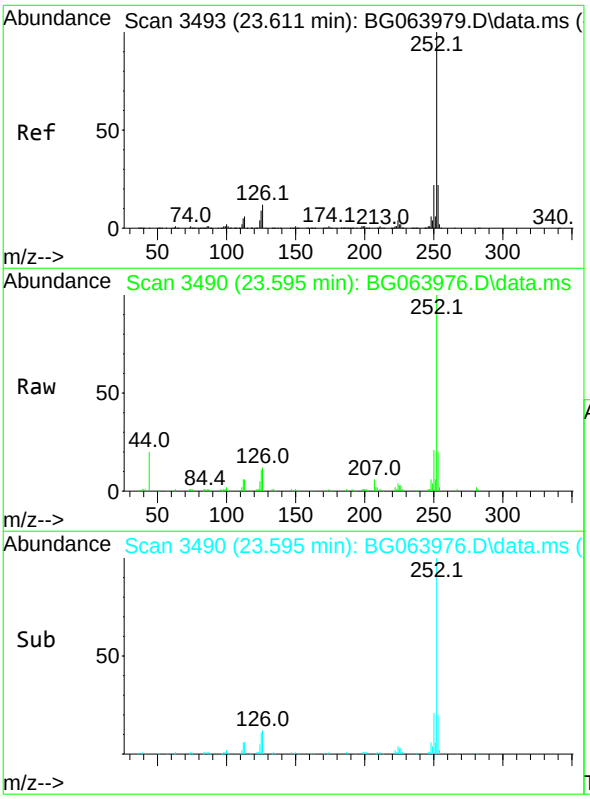
#88
Benzo(b)fluoranthene
Concen: 4.642 ng
RT: 23.537 min Scan# 34
Delta R.T. -0.010 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 115485

Ion	Ratio	Lower	Upper
252	100		
253	19.2	16.9	25.3
125	8.3	7.9	11.9

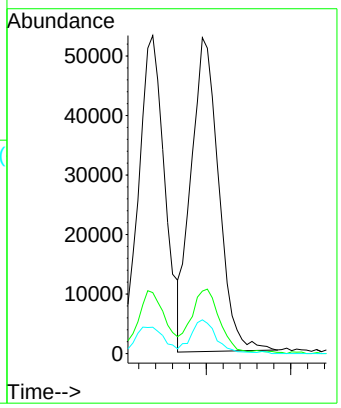


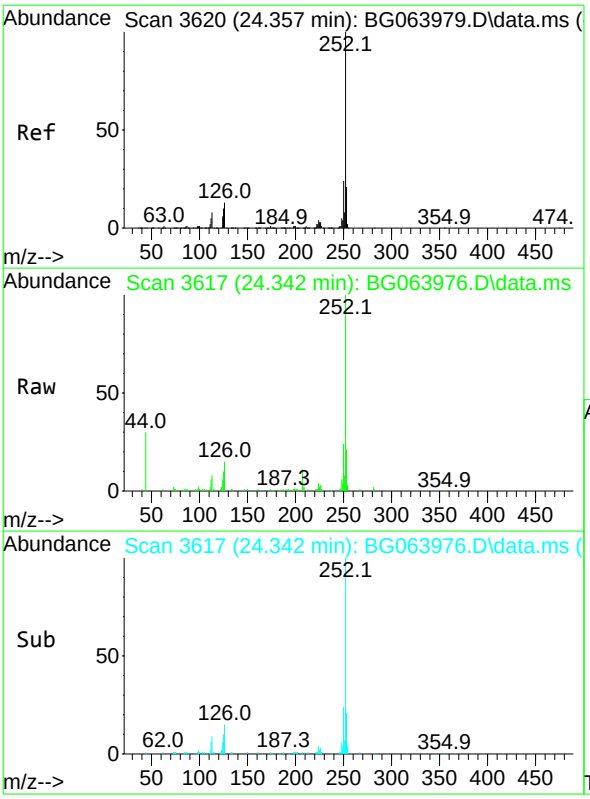


#89
Benzo(k)fluoranthene
Concen: 4.702 ng
RT: 23.595 min Scan# 3490
Delta R.T. -0.015 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:252 Resp: 120118

Ion	Ratio	Lower	Upper
252	100		
253	19.8	17.7	26.5
125	10.7	7.5	11.3



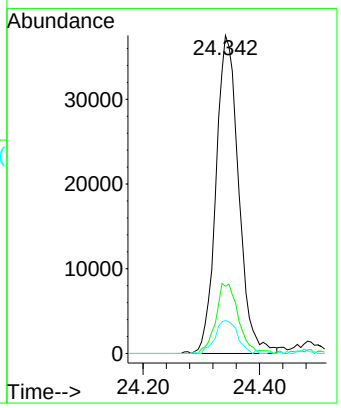


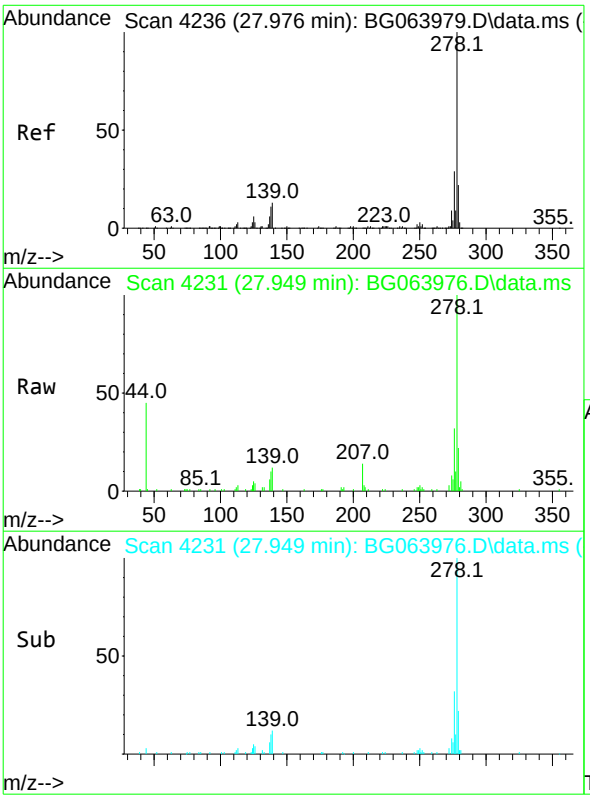
#90
Benzo(a)pyrene
Concen: 4.564 ng
RT: 24.342 min Scan# 36
Delta R.T. -0.015 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 101336

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	10.4	7.9	11.9

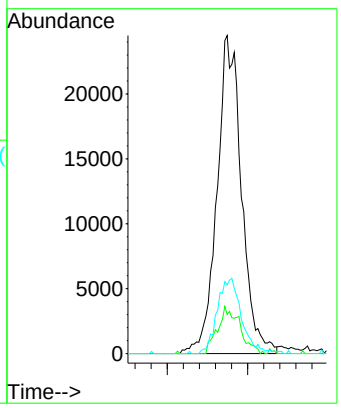


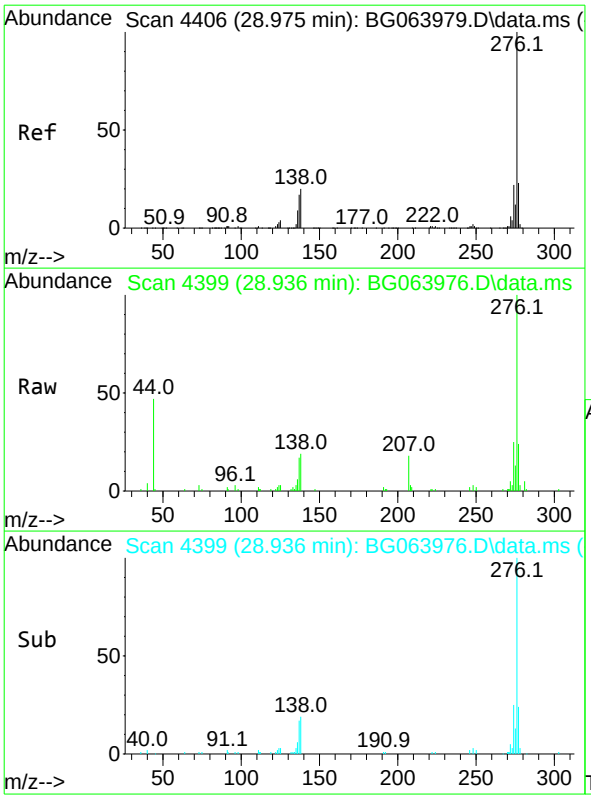


#91
Dibenzo(a,h)anthracene
Concen: 4.517 ng
RT: 27.949 min Scan# 4231
Delta R.T. -0.027 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Tgt Ion:278 Resp: 103956

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.8	16.2
279	21.7	17.8	26.6



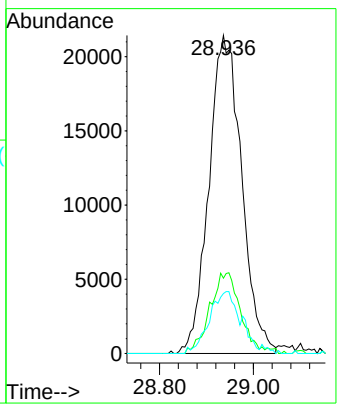


#92
Benzo(g,h,i)perylene
Concen: 4.459 ng
RT: 28.936 min Scan# 43
Delta R.T. -0.039 min
Lab File: BG063976.D
Acq: 3 Feb 2025 11:56

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 103585

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.2	27.4
138	18.9	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063977.D
Acq On : 3 Feb 2025 12:33
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Quant Time: Feb 04 02:45:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.875	152	59101	20.000	ng		0.00
21) Naphthalene-d8	10.660	136	249088	20.000	ng		0.00
39) Acenaphthene-d10	14.497	164	162735	20.000	ng		0.00
64) Phenanthrene-d10	17.235	188	360004	20.000	ng		0.00
76) Chrysene-d12	21.465	240	418756	20.000	ng		0.00
86) Perylene-d12	24.485	264	426385	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.461	112	68457	18.571	ng		0.00
7) Phenol-d6	7.035	99	92624	18.310	ng		0.00
23) Nitrobenzene-d5	9.021	82	57500	14.030	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	17783	23.651	ng		0.00
45) 2-Fluorobiphenyl	13.122	172	215445	20.284	ng		0.00
79) Terphenyl-d14	19.855	244	404653	20.181	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.392	88	17852	10.198	ng		97
3) Pyridine	3.780	79	44538	9.418	ng		97
4) n-Nitrosodimethylamine	3.698	42	27553m	10.137	ng		
6) Aniline	7.200	93	50445	9.306	ng		98
8) 2-Chlorophenol	7.441	128	33130	8.820	ng		95
9) Benzaldehyde	7.018	77	31332	11.346	ng		94
10) Phenol	7.059	94	50146	9.417	ng		96
11) bis(2-Chloroethyl)ether	7.300	93	41113	9.588	ng		98
12) 1,3-Dichlorobenzene	7.764	146	45576	10.197	ng		94
13) 1,4-Dichlorobenzene	7.911	146	44612	9.883	ng		94
14) 1,2-Dichlorobenzene	8.228	146	42382	9.796	ng		97
15) Benzyl Alcohol	8.104	79	33538	8.870	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.410	45	80789	9.357	ng		98
17) 2-Methylphenol	8.304	107	30453	8.843	ng		96
18) Hexachloroethane	8.951	117	13303	8.955	ng		88
19) n-Nitroso-di-n-propyla...	8.674	70	32920	9.397	ng	#	98
20) 3+4-Methylphenols	8.633	107	40047	8.728	ng		97
22) Acetophenone	8.686	105	67213	9.821	ng		96
24) Nitrobenzene	9.068	77	34047	10.439	ng	#	89
25) Isophorone	9.585	82	84206	9.478	ng		97
26) 2-Nitrophenol	9.779	139	5446	9.993	ng	#	85
27) 2,4-Dimethylphenol	9.838	122	22636	8.857	ng		92
28) bis(2-Chloroethoxy)met...	10.073	93	56146	9.931	ng		98
29) 2,4-Dichlorophenol	10.308	162	24362	10.142	ng		91
30) 1,2,4-Trichlorobenzene	10.525	180	41454	9.873	ng		98
31) Naphthalene	10.713	128	131160	9.821	ng		98
32) Benzoic acid	9.908	122	6289m	10.921	ng		
33) 4-Chloroaniline	10.813	127	48054	9.392	ng		98
34) Hexachlorobutadiene	11.007	225	27054	10.118	ng		95
35) Caprolactam	11.553	113	8118	10.841	ng		93
36) 4-Chloro-3-methylphenol	11.935	107	35281	8.624	ng		97
37) 2-Methylnaphthalene	12.323	142	88173	9.475	ng		99
38) 1-Methylnaphthalene	12.540	142	88527	9.614	ng		92
40) 1,2,4,5-Tetrachloroben...	12.687	216	48045	10.012	ng		99
41) Hexachlorocyclopentadiene	12.676	237	9495	7.334	ng		95
43) 2,4,6-Trichlorophenol	12.922	196	16588m	10.177	ng		

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063977.D
Acq On : 3 Feb 2025 12:33
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Quant Time: Feb 04 02:45:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.987	196	20400	9.841	ng	#	97
46) 1,1'-Biphenyl	13.334	154	124174	10.022	ng		99
47) 2-Chloronaphthalene	13.369	162	91347	10.115	ng		95
48) 2-Nitroaniline	13.563	65	11299	9.438	ng	#	88
49) Acenaphthylene	14.215	152	135768	9.679	ng		98
50) Dimethylphthalate	13.956	163	94818	8.788	ng		99
51) 2,6-Dinitrotoluene	14.062	165	10164	9.573	ng	#	78
52) Acenaphthene	14.562	154	90234	9.590	ng		98
53) 3-Nitroaniline	14.391	138	12408	9.945	ng	#	93
54) 2,4-Dinitrophenol	14.591	184	2285	9.601	ng		94
55) Dibenzofuran	14.897	168	152505	9.982	ng		98
56) 4-Nitrophenol	14.685	139	8836	12.222	ng		96
57) 2,4-Dinitrotoluene	14.850	165	11715	9.465	ng	#	92
58) Fluorene	15.543	166	119012	10.078	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.120	232	17623	10.339	ng	#	95
60) Diethylphthalate	15.325	149	99873	8.730	ng		97
61) 4-Chlorophenyl-phenyle...	15.543	204	59093	9.974	ng		98
62) 4-Nitroaniline	15.549	138	15576	9.536	ng		98
63) Azobenzene	15.831	77	131748	9.750	ng		98
65) 4,6-Dinitro-2-methylph...	15.602	198	4340	10.266	ng		93
66) n-Nitrosodiphenylamine	15.748	169	95739	9.592	ng		95
67) 4-Bromophenyl-phenylether	16.436	248	33668	9.396	ng		99
68) Hexachlorobenzene	16.548	284	42219	10.022	ng		97
69) Atrazine	16.700	200	30355	9.139	ng		98
70) Pentachlorophenol	16.888	266	10847	12.203	ng		93
71) Phenanthrene	17.276	178	189325	10.013	ng		97
72) Anthracene	17.370	178	186745	9.870	ng		99
73) Carbazole	17.634	167	175028	9.882	ng		97
74) Di-n-butylphthalate	18.216	149	148058	8.020	ng		98
75) Fluoranthene	19.285	202	228138	9.909	ng		99
77) Benzidine	19.468	184	81124	9.098	ng		98
78) Pyrene	19.644	202	245420	9.493	ng		98
80) Butylbenzylphthalate	20.555	149	45914	10.054	ng		89
81) Benzo(a)anthracene	21.448	228	258740	9.732	ng		99
82) 3,3'-Dichlorobenzidine	21.371	252	70398	8.502	ng		98
83) Chrysene	21.512	228	258524	9.771	ng		98
84) Bis(2-ethylhexyl)phtha...	21.395	149	84208	9.744	ng	#	97
85) Di-n-octyl phthalate	22.546	149	123216	11.390	ng		96
87) Indeno(1,2,3-cd)pyrene	27.887	276	255934	9.304	ng	#	67
88) Benzo(b)fluoranthene	23.533	252	233253	9.290	ng		96
89) Benzo(k)fluoranthene	23.598	252	250508	9.717	ng		97
90) Benzo(a)pyrene	24.338	252	208178	9.289	ng		97
91) Dibenzo(a,h)anthracene	27.952	278	214649	9.241	ng		99
92) Benzo(g,h,i)perylene	28.945	276	221598	9.450	ng		99

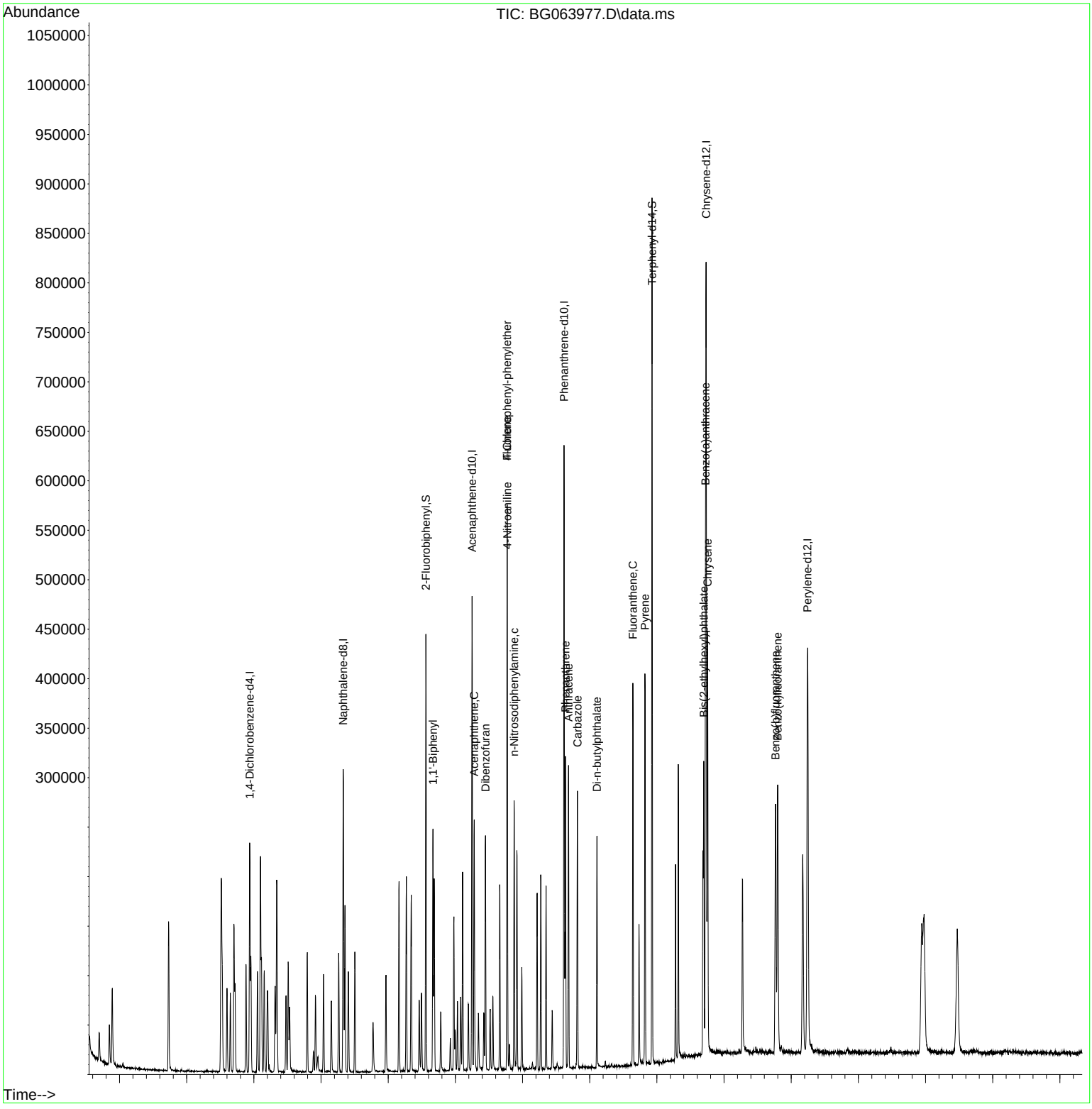
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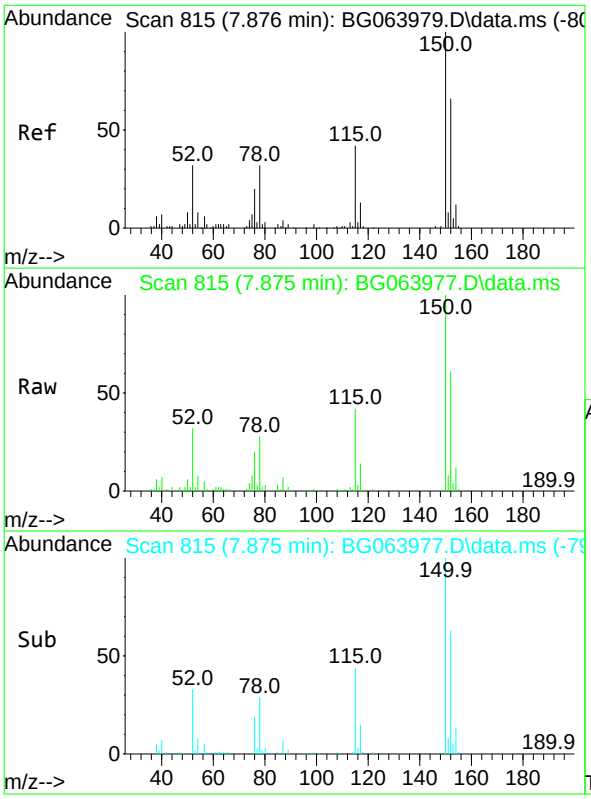
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063977.D
Acq On : 3 Feb 2025 12:33
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Quant Time: Feb 04 02:45:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration



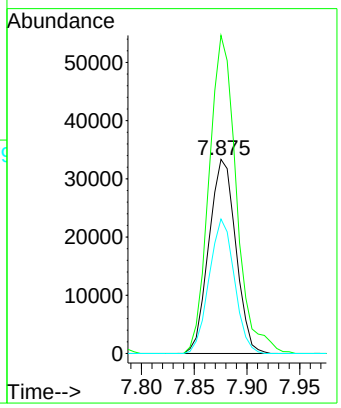


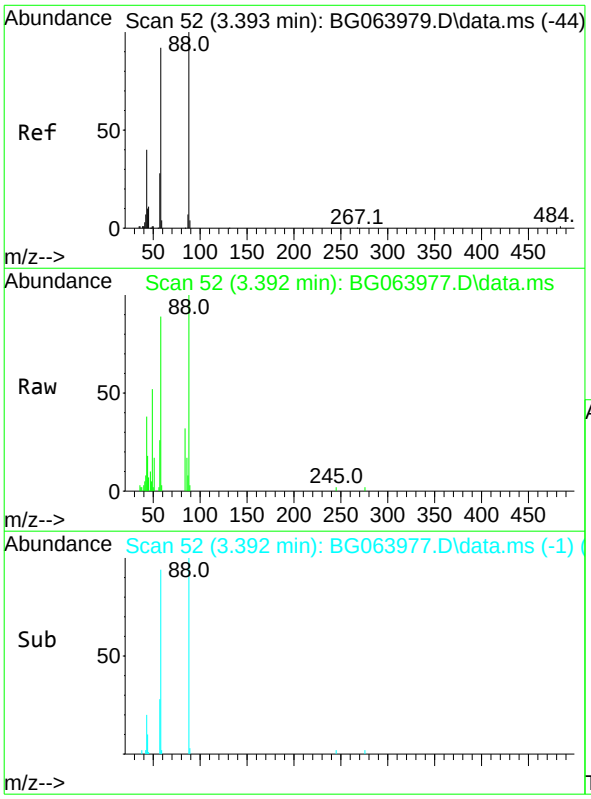
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 59101

Ion	Ratio	Lower	Upper
152	100		
150	163.9	121.0	181.6
115	69.3	50.4	75.6

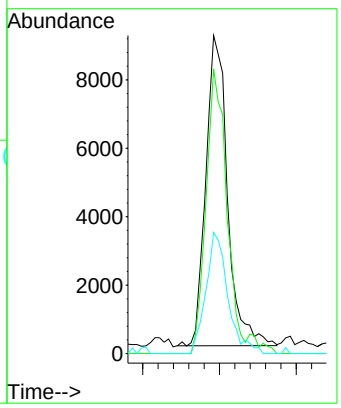


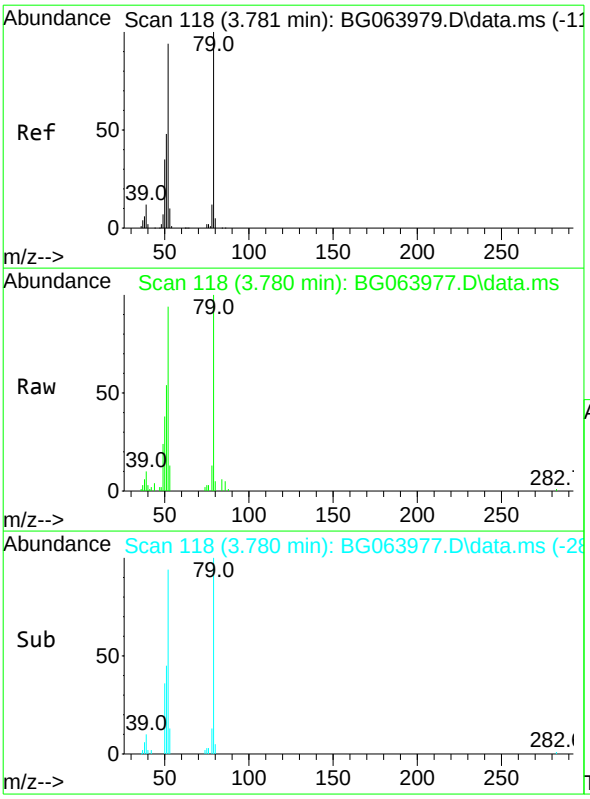


#2
1,4-Dioxane
Concen: 10.198 ng
RT: 3.392 min Scan# 52
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 88 Resp: 17852

Ion	Ratio	Lower	Upper
88	100		
58	86.1	71.8	107.8
43	39.3	31.2	46.8



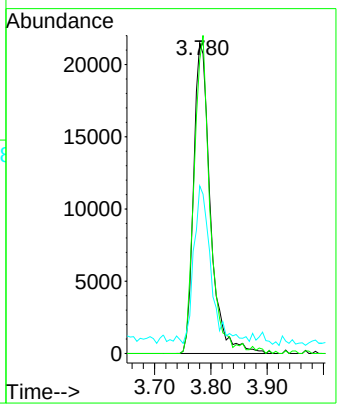


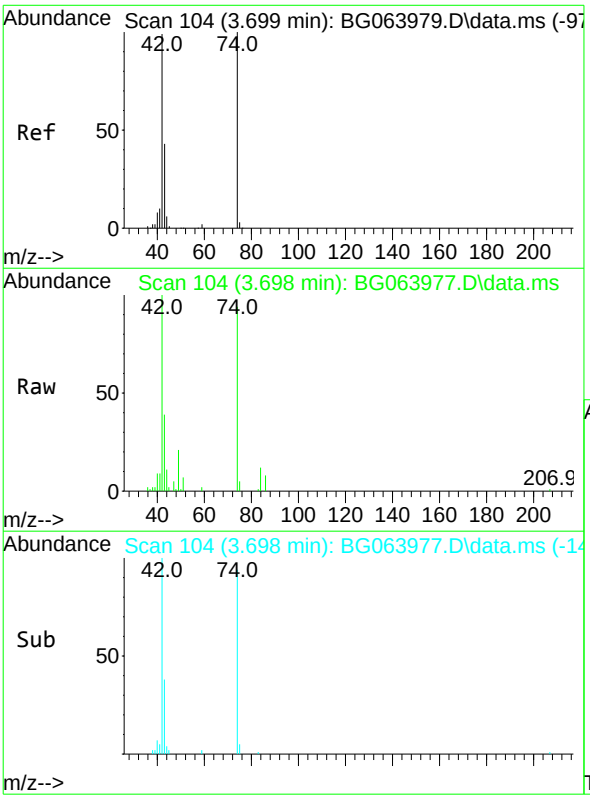
#3
Pyridine
Concen: 9.418 ng
RT: 3.780 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 44538

Ion	Ratio	Lower	Upper
79	100		
52	94.5	75.1	112.7
51	53.9	38.9	58.3

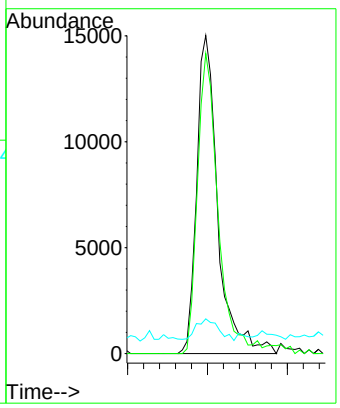


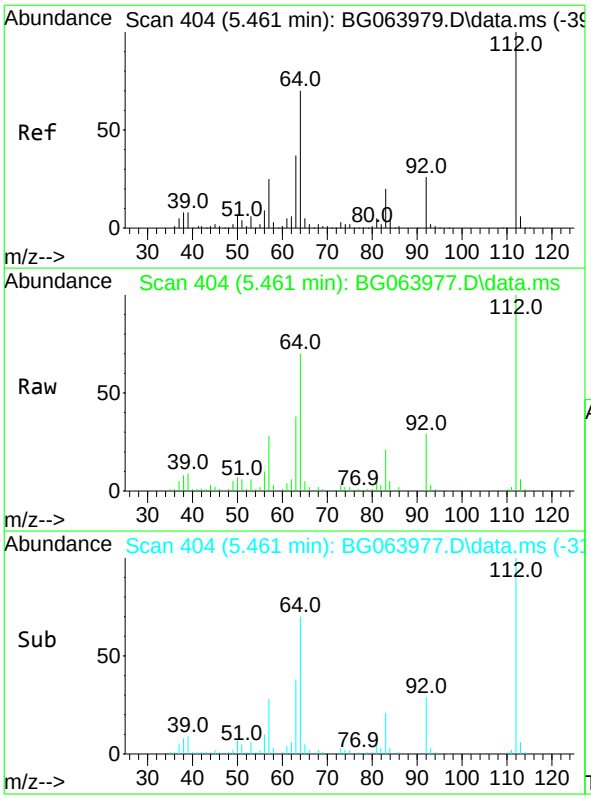


#4
n-Nitrosodimethylamine
Concen: 10.137 ng m
RT: 3.698 min Scan# 104
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 42 Resp: 27553

Ion	Ratio	Lower	Upper
42	100		
74	94.3	80.8	121.2
44	10.9	5.8	8.6#



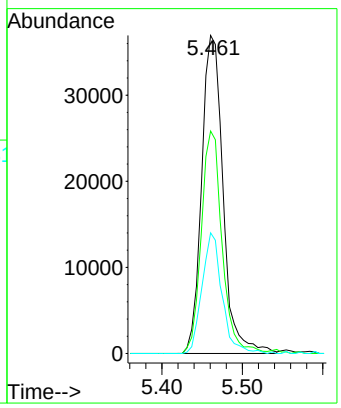


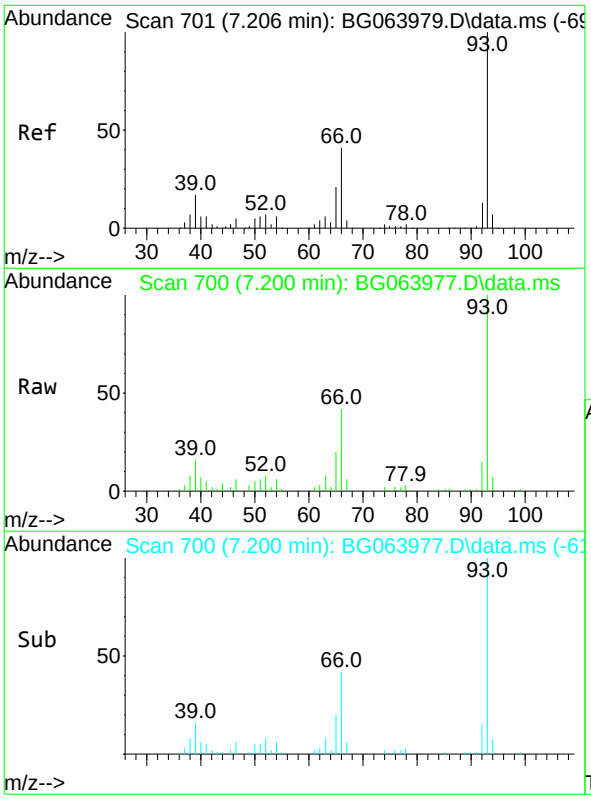
#5
2-Fluorophenol
Concen: 18.571 ng
RT: 5.461 min Scan# 40
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 68457

Ion	Ratio	Lower	Upper
112	100		
64	69.9	55.8	83.8
63	37.9	29.3	43.9

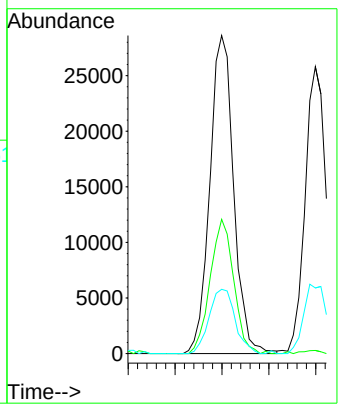


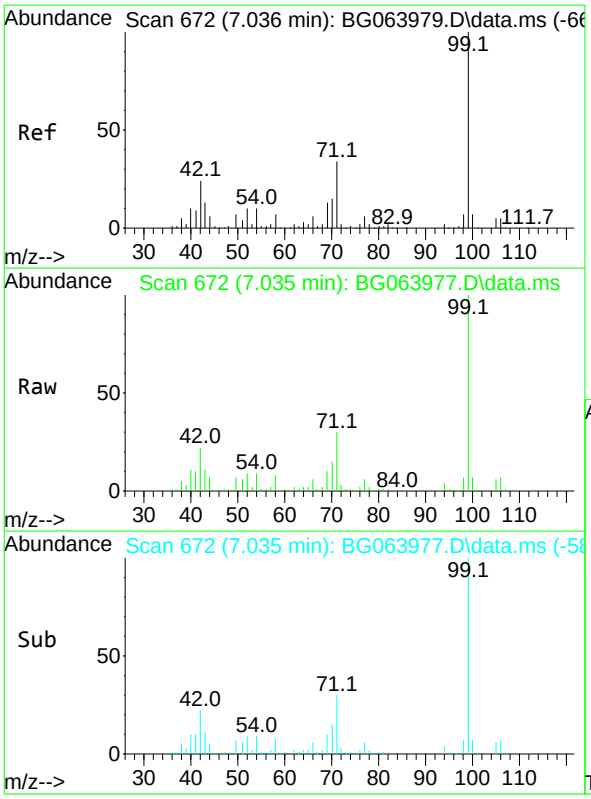


#6
Aniline
Concen: 9.306 ng
RT: 7.200 min Scan# 700
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 93 Resp: 50445

Ion	Ratio	Lower	Upper
93	100		
66	42.2	32.5	48.7
65	20.2	16.6	25.0



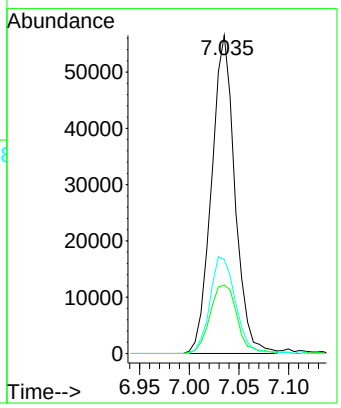


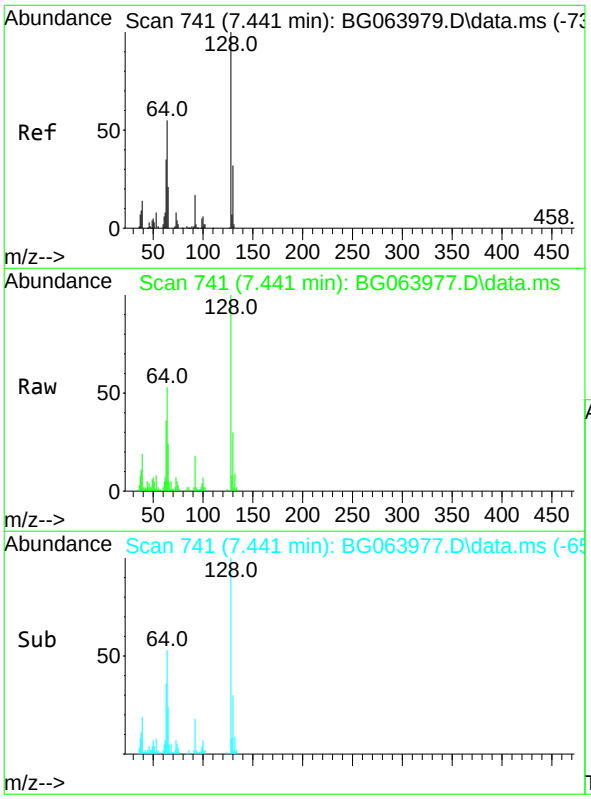
#7
Phenol-d6
Concen: 18.310 ng
RT: 7.035 min Scan# 67
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 92624

Ion	Ratio	Lower	Upper
99	100		
42	21.5	18.9	28.3
71	29.5	27.0	40.6

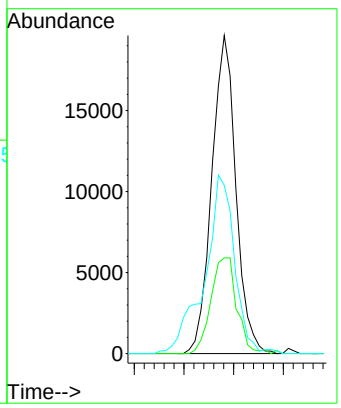


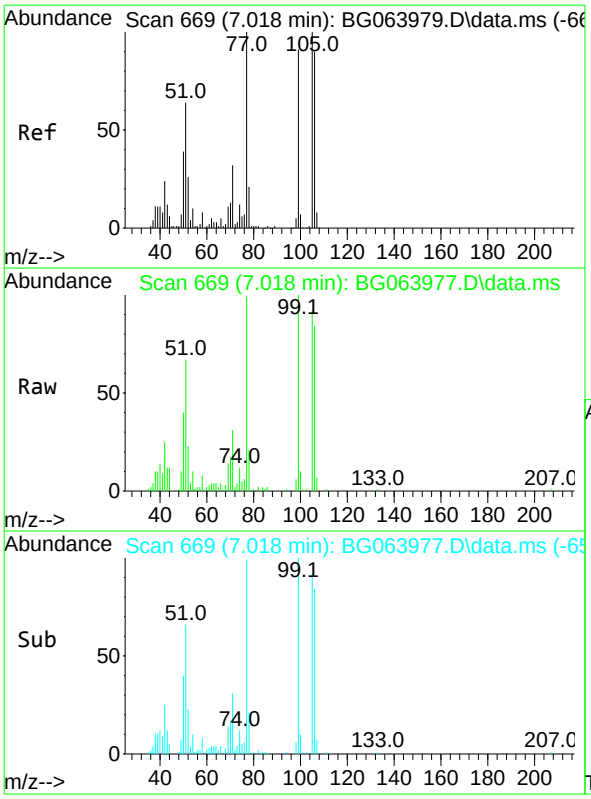


#8
2-Chlorophenol
Concen: 8.820 ng
RT: 7.441 min Scan# 741
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:128 Resp: 33130

Ion	Ratio	Lower	Upper
128	100		
130	30.1	11.9	51.9
64	52.9	36.8	76.8



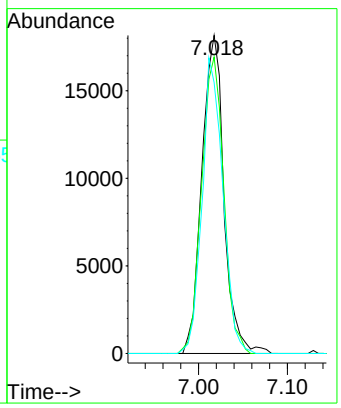


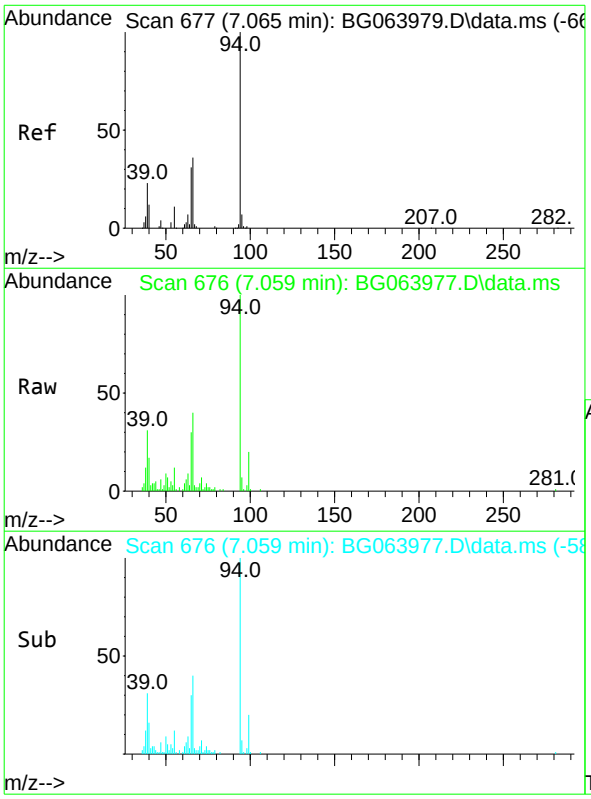
#9
Benzaldehyde
Concen: 11.346 ng
RT: 7.018 min Scan# 66
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 31332

Ion	Ratio	Lower	Upper
77	100		
105	93.2	79.8	119.8
106	85.2	69.9	109.9

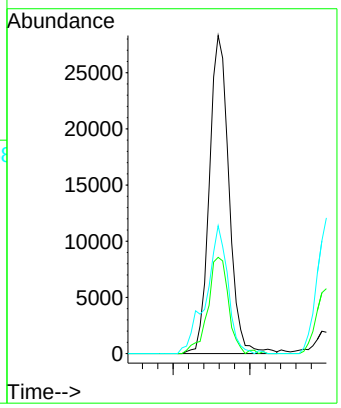


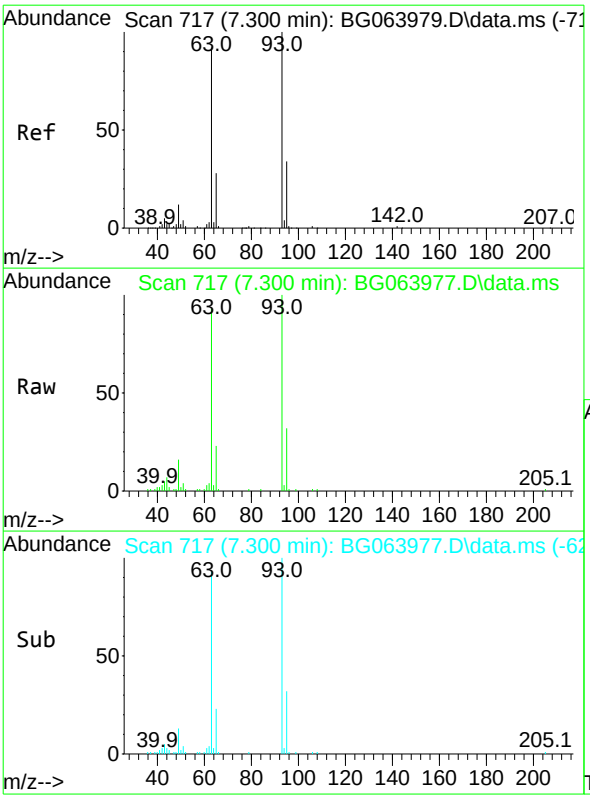


#10
Phenol
Concen: 9.417 ng
RT: 7.059 min Scan# 676
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 94 Resp: 50146

Ion	Ratio	Lower	Upper
94	100		
65	30.3	11.4	51.4
66	40.2	16.7	56.7



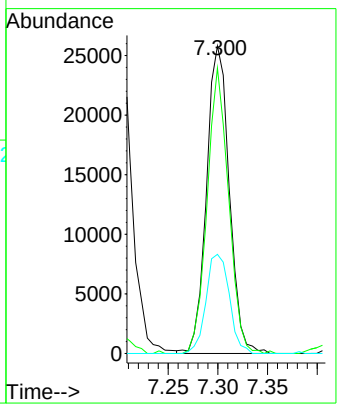


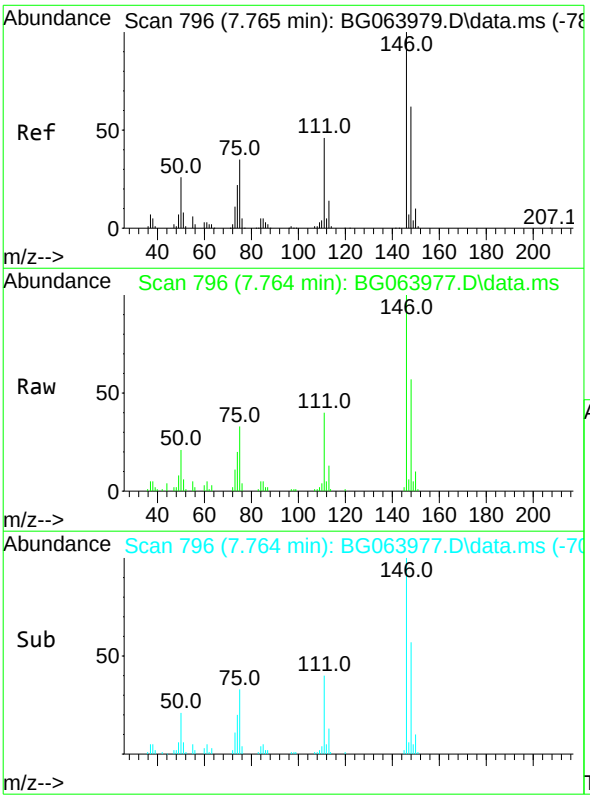
#11
bis(2-Chloroethyl)ether
Concen: 9.588 ng
RT: 7.300 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 41113

Ion	Ratio	Lower	Upper
93	100		
63	92.8	71.2	111.2
95	32.2	13.9	53.9

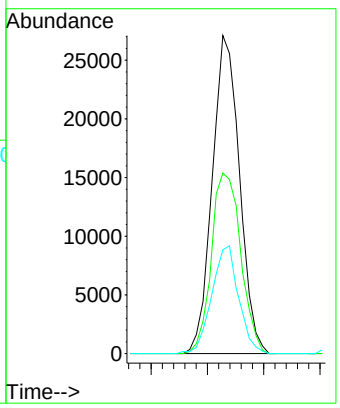


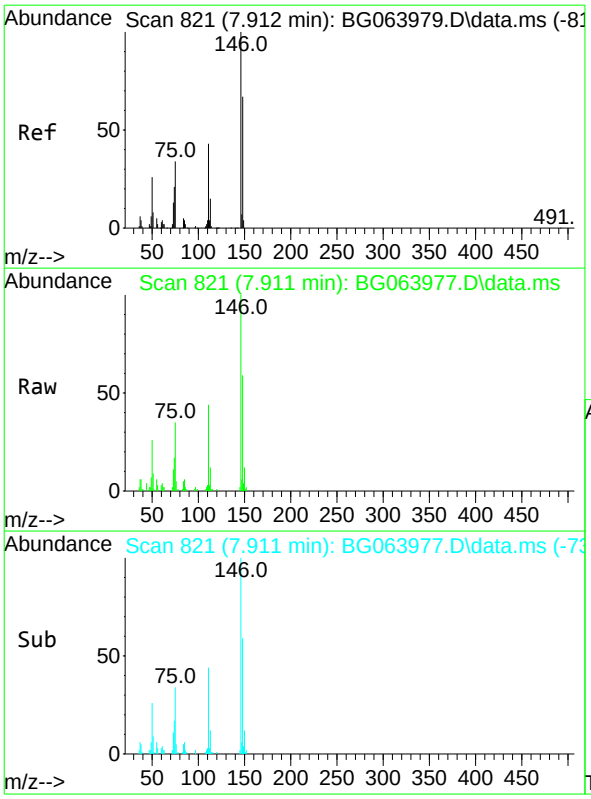


#12
1,3-Dichlorobenzene
Concen: 10.197 ng
RT: 7.764 min Scan# 796
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:146 Resp: 45576

Ion	Ratio	Lower	Upper
146	100		
148	56.8	49.6	74.4
75	32.6	27.8	41.8



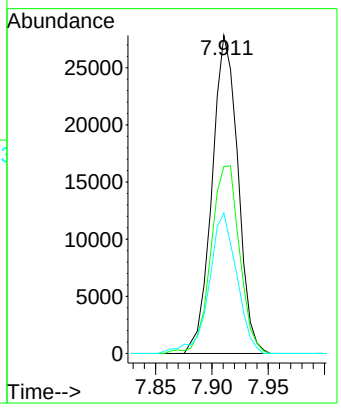


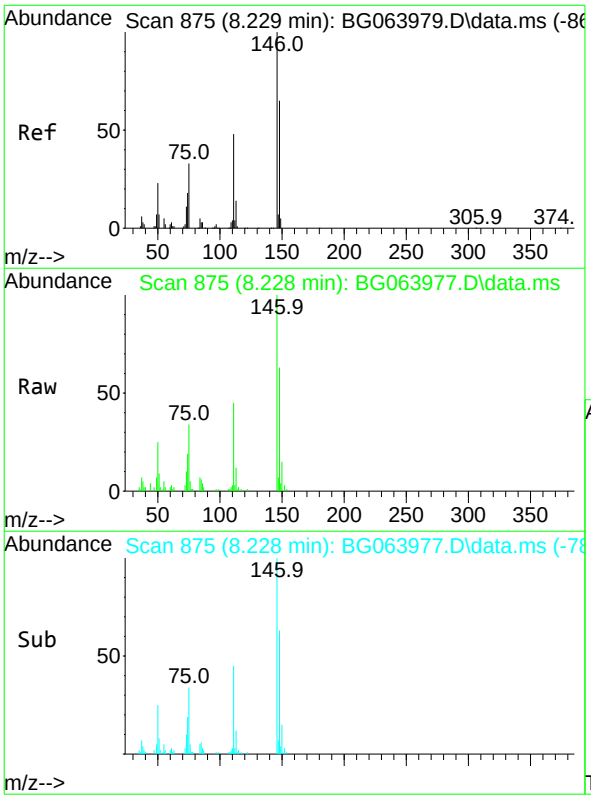
#13
1,4-Dichlorobenzene
Concen: 9.883 ng
RT: 7.911 min Scan# 82
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 44612

Ion	Ratio	Lower	Upper
146	100		
148	58.8	53.3	79.9
111	44.1	34.8	52.2

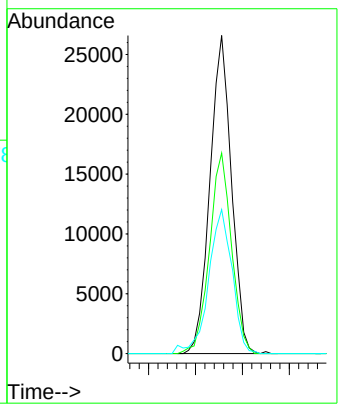


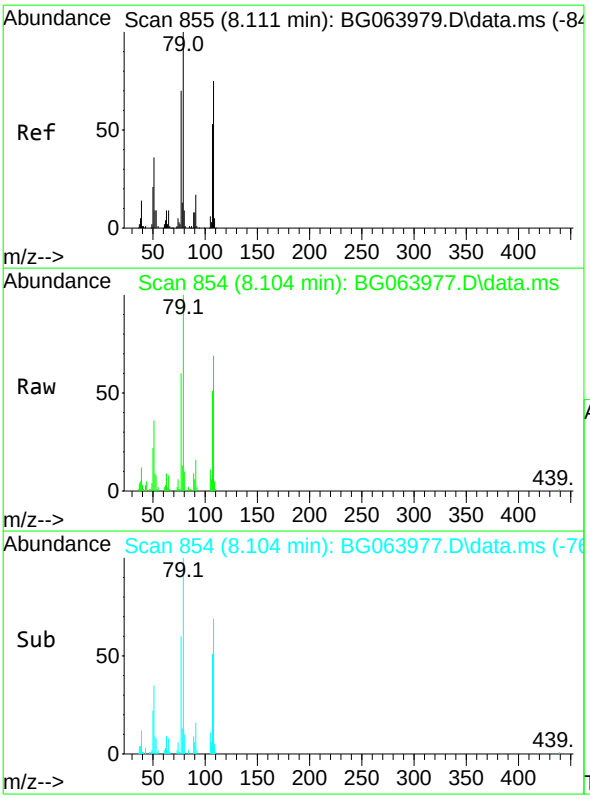


#14
1,2-Dichlorobenzene
Concen: 9.796 ng
RT: 8.228 min Scan# 875
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:146 Resp: 42382

Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.0	78.0
111	45.3	38.2	57.2



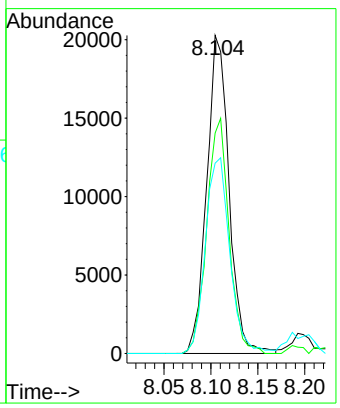


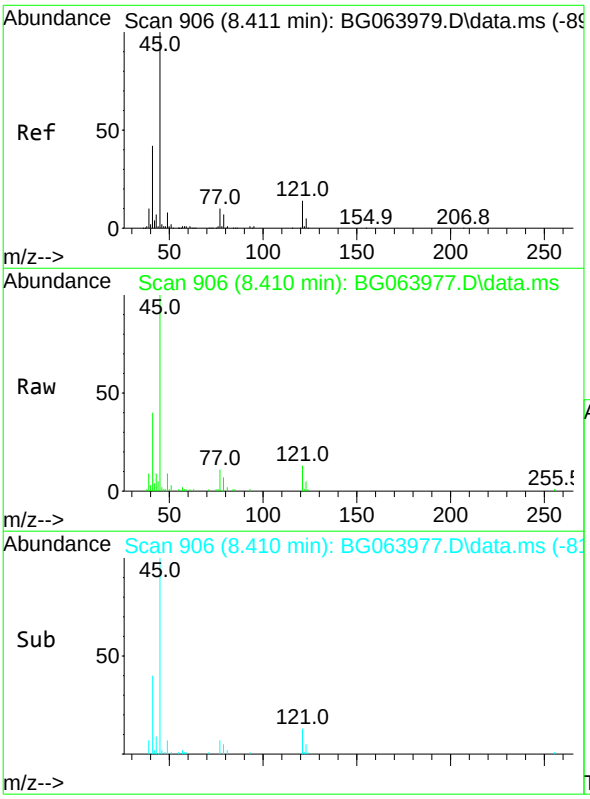
#15
Benzyl Alcohol
Concen: 8.870 ng
RT: 8.104 min Scan# 85
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 33538

Ion	Ratio	Lower	Upper
79	100		
108	69.3	60.3	90.5
77	59.8	55.8	83.8

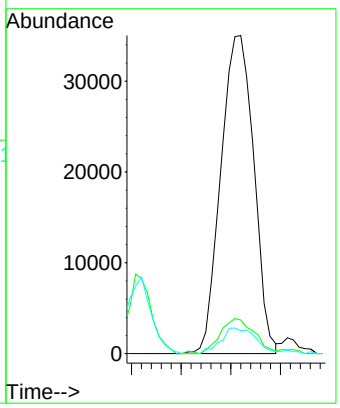


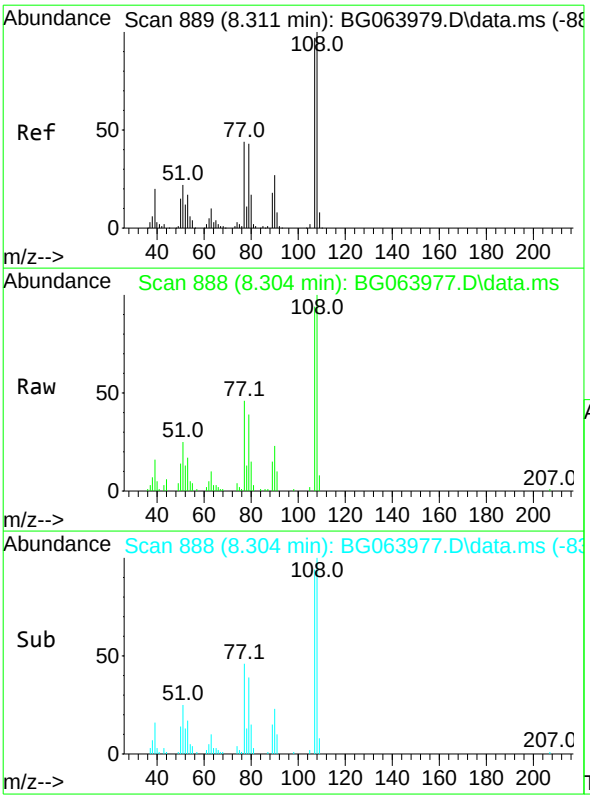


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.357 ng
RT: 8.410 min Scan# 906
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 45 Resp: 80789

Ion	Ratio	Lower	Upper
45	100		
77	10.5	0.0	29.8
79	7.2	0.0	27.7



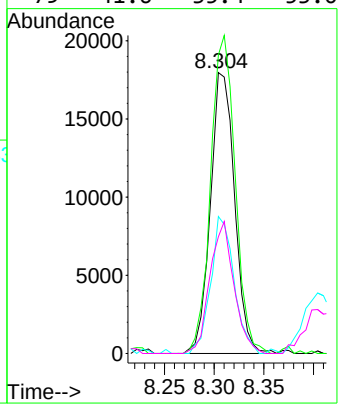


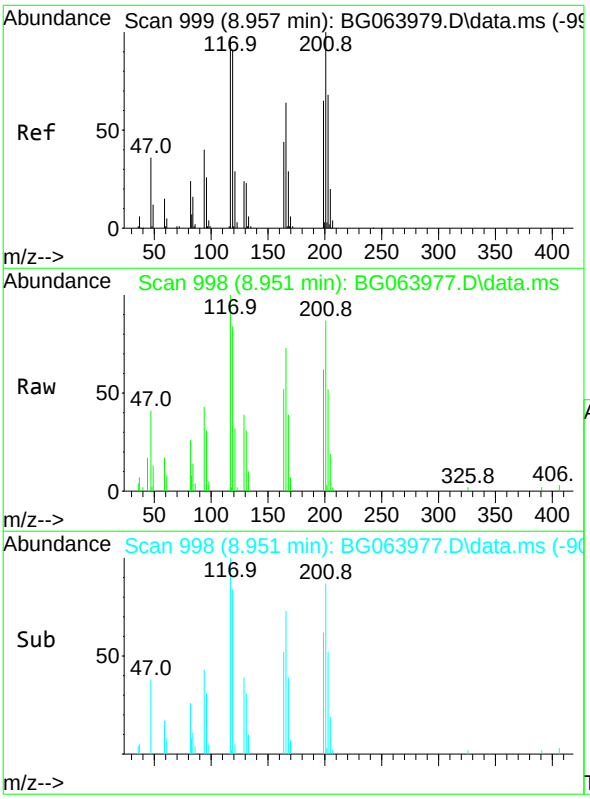
#17
2-Methylphenol
Concen: 8.843 ng
RT: 8.304 min Scan# 88
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 30453

Ion	Ratio	Lower	Upper
107	100		
108	106.3	82.9	124.3
77	48.8	36.4	54.6
79	41.6	35.4	53.0

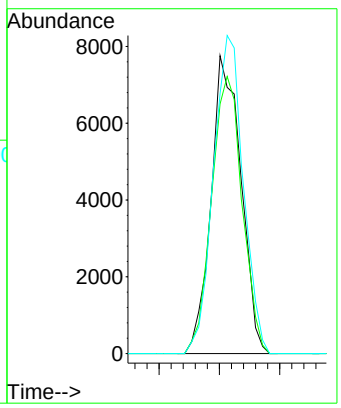


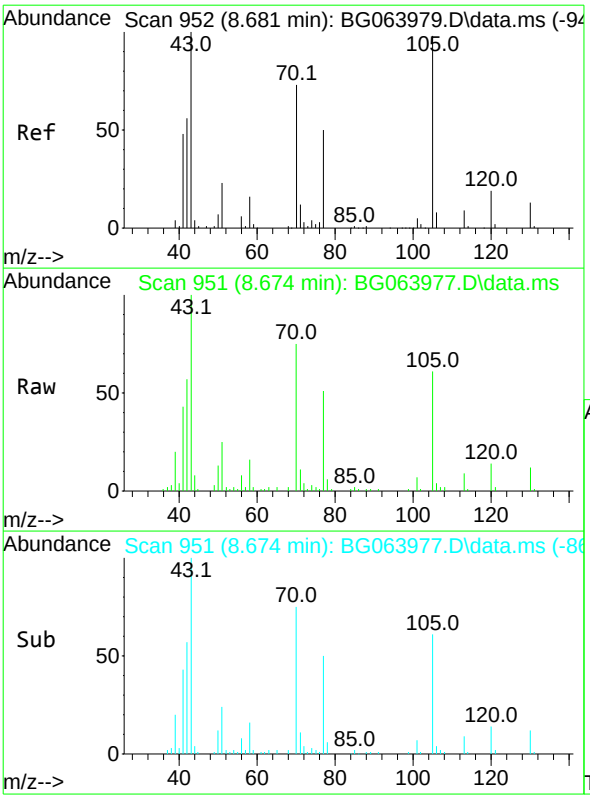


#18
Hexachloroethane
Concen: 8.955 ng
RT: 8.951 min Scan# 998
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:117 Resp: 13303

Ion	Ratio	Lower	Upper
117	100		
119	83.8	75.4	113.0
201	90.0	82.4	123.6



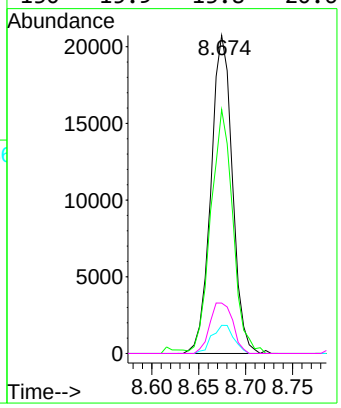


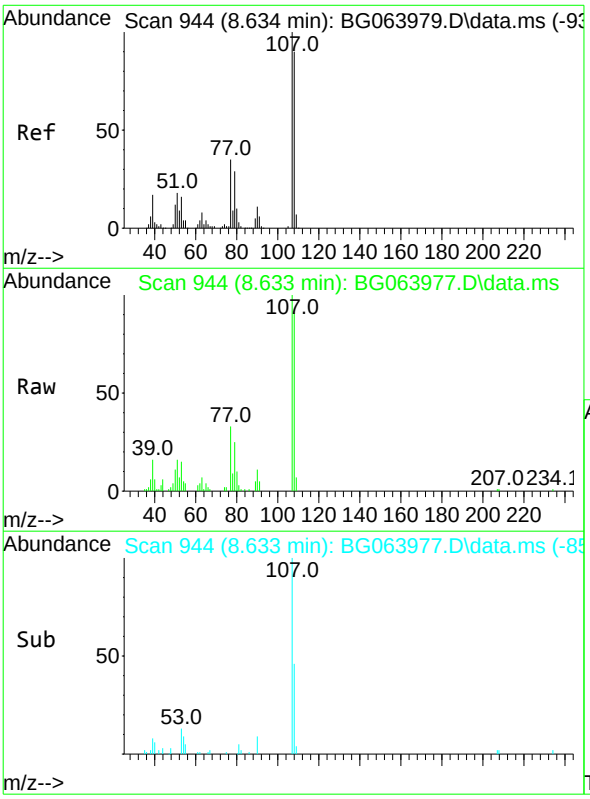
#19
n-Nitroso-di-n-propylamine
Concen: 9.397 ng
RT: 8.674 min Scan# 95
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 32920

Ion	Ratio	Lower	Upper
70	100		
42	76.7	62.2	93.4
101	8.9	5.6	8.4#
130	15.9	13.8	20.6

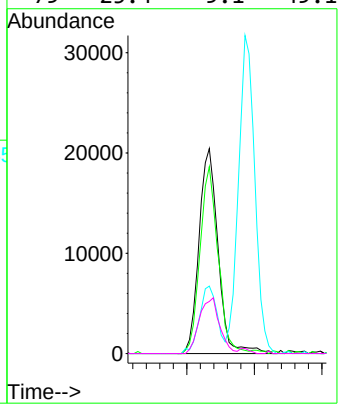


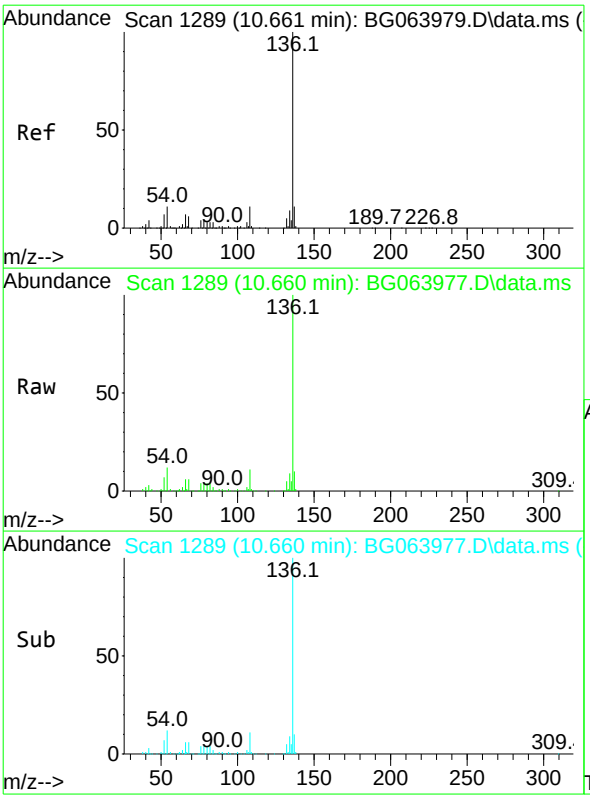


#20
3+4-Methylphenols
Concen: 8.728 ng
RT: 8.633 min Scan# 944
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:107 Resp: 40047

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.0	110.0
77	32.9	15.2	55.2
79	25.4	9.1	49.1



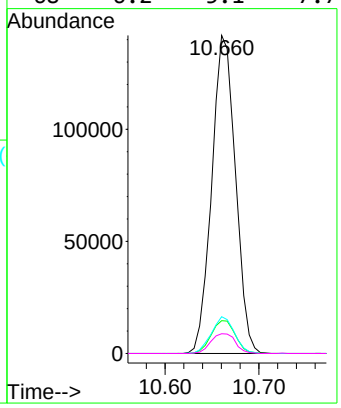


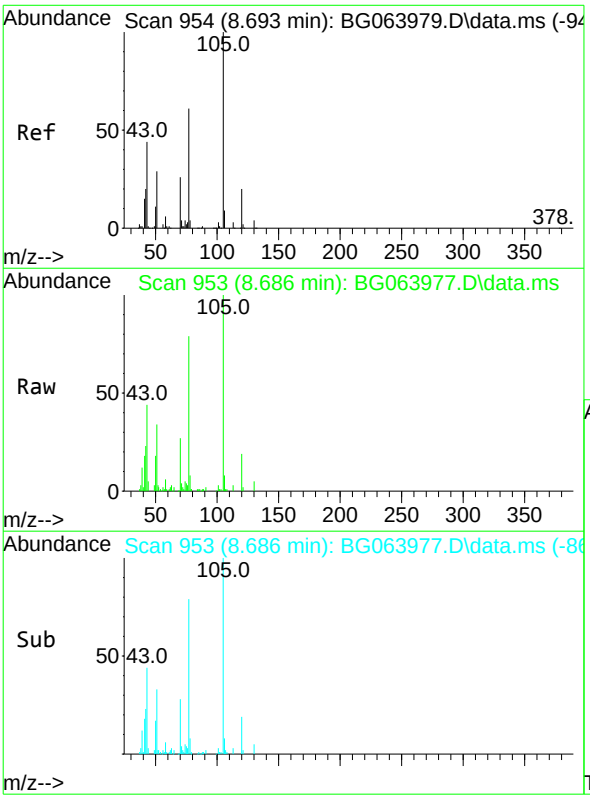
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.660 min Scan# 12
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 249088

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	11.6	9.2	13.8
68	6.2	5.1	7.7

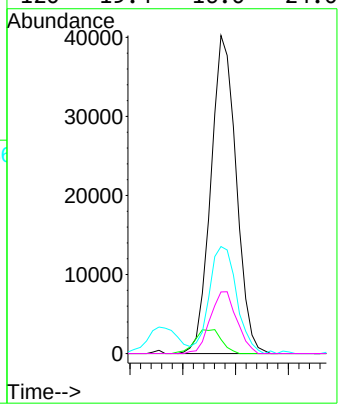


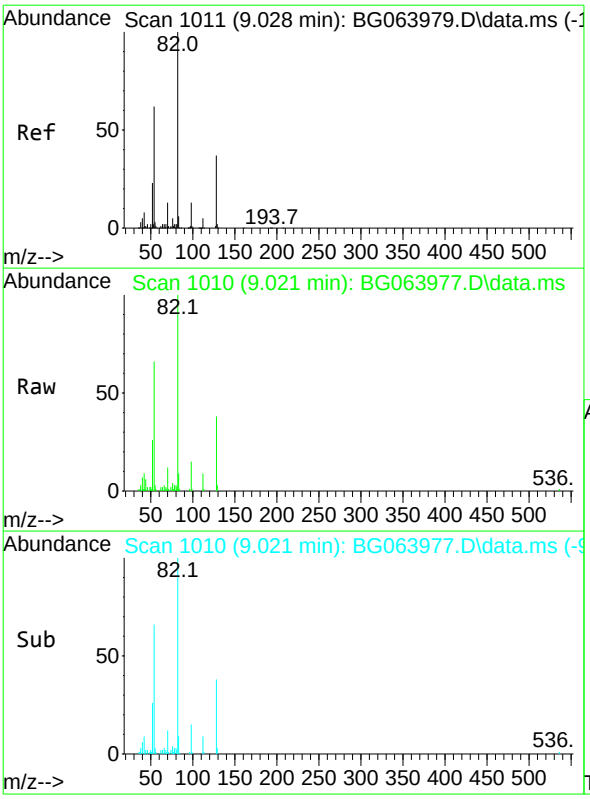


#22
Acetophenone
Concen: 9.821 ng
RT: 8.686 min Scan# 953
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:105 Resp: 67213

Ion	Ratio	Lower	Upper
105	100		
71	4.5	3.1	4.7
51	33.7	29.9	44.9
120	19.4	16.0	24.0



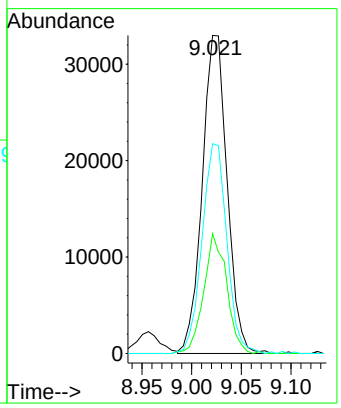


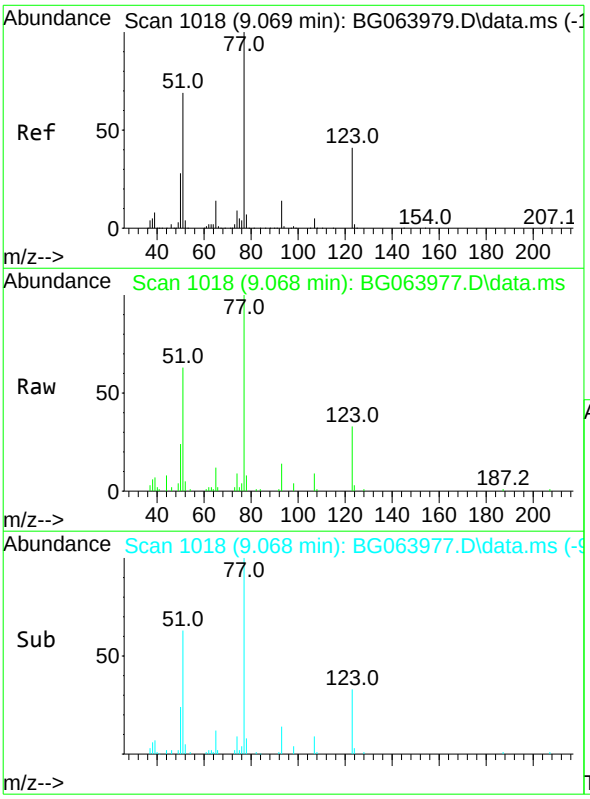
#23
Nitrobenzene-d5
Concen: 14.030 ng
RT: 9.021 min Scan# 10
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 57500

Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.4	44.2
54	65.9	49.9	74.9

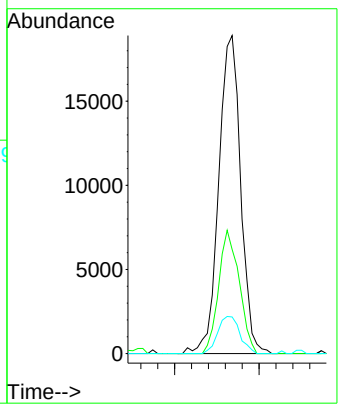


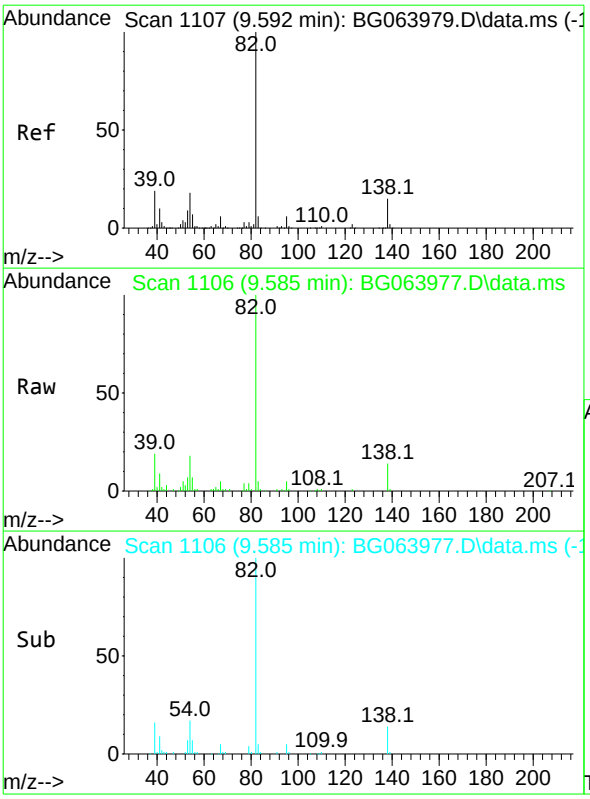


#24
Nitrobenzene
Concen: 10.439 ng
RT: 9.068 min Scan# 1018
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 77 Resp: 34047

Ion	Ratio	Lower	Upper
77	100		
123	32.8	32.9	49.3#
65	11.5	11.0	16.6



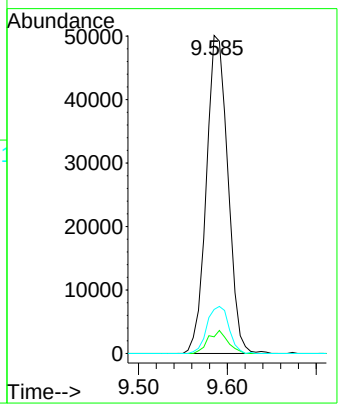


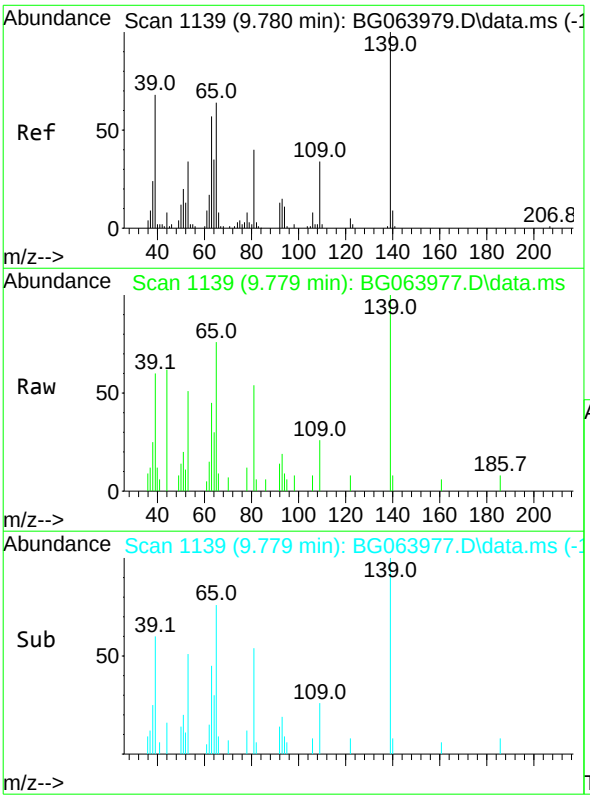
#25
Isophorone
Concen: 9.478 ng
RT: 9.585 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 84206

Ion	Ratio	Lower	Upper
82	100		
95	5.2	5.0	7.4
138	13.8	12.2	18.4

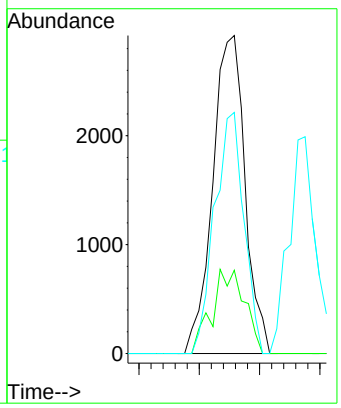


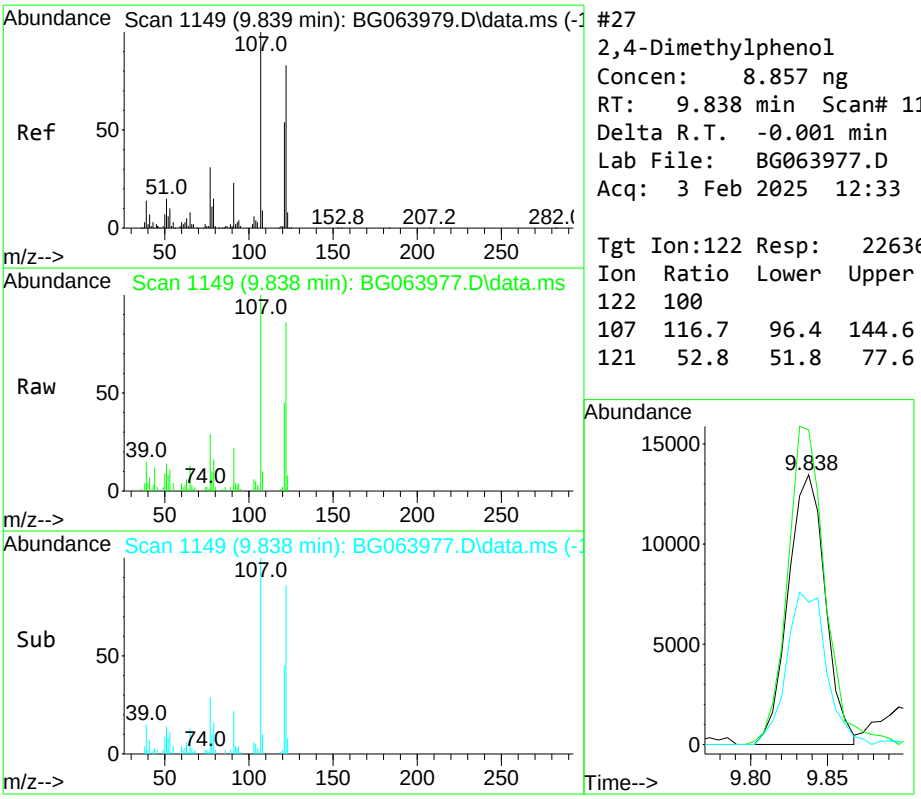


#26
2-Nitrophenol
Concen: 9.993 ng
RT: 9.779 min Scan# 1139
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:139 Resp: 5446

Ion	Ratio	Lower	Upper
139	100		
109	26.2	27.1	40.7#
65	75.8	51.0	76.6



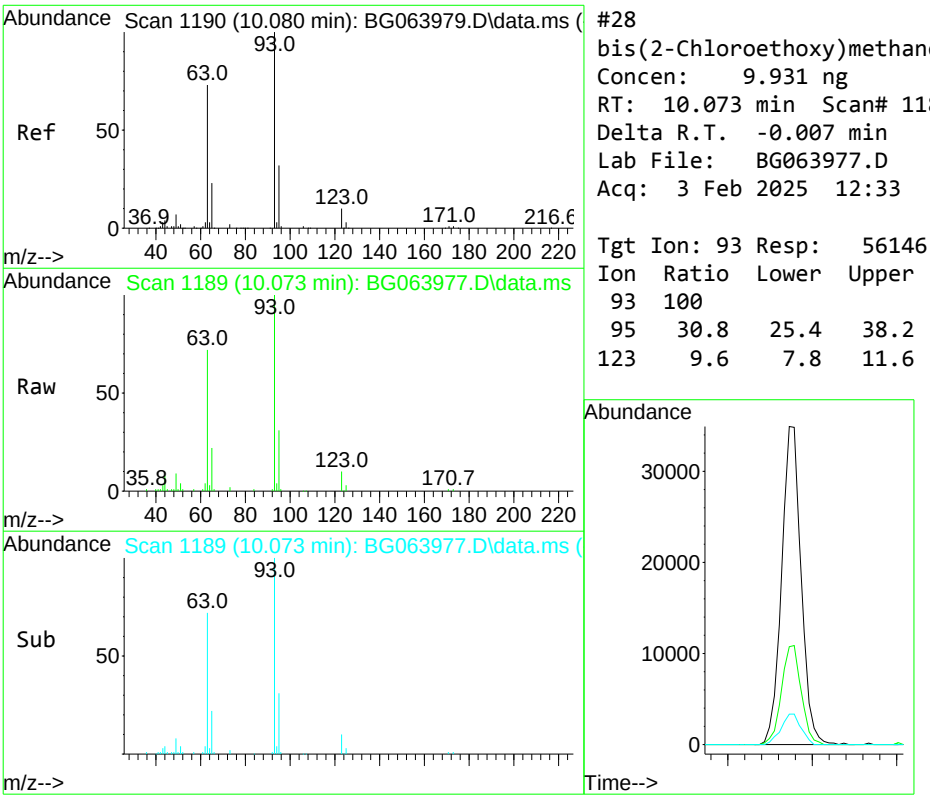


#27
2,4-Dimethylphenol
Concen: 8.857 ng
RT: 9.838 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 22636

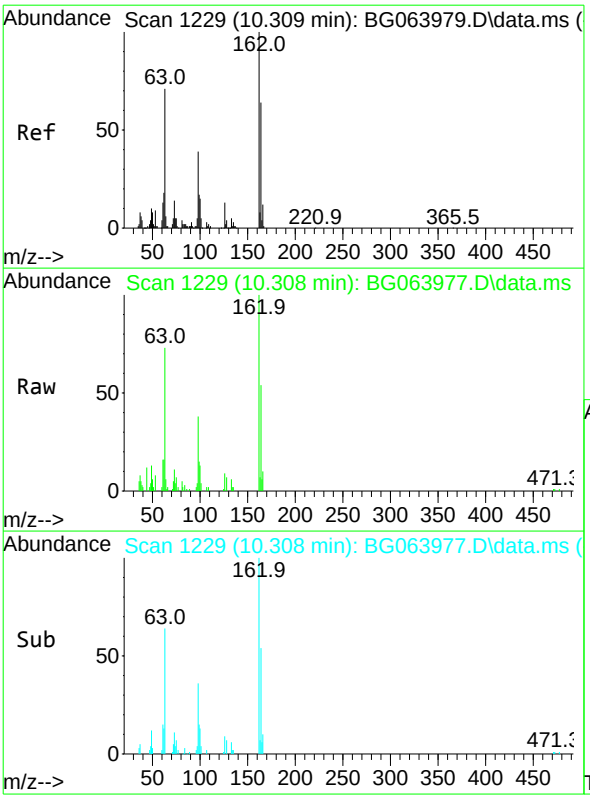
Ion	Ratio	Lower	Upper
122	100		
107	116.7	96.4	144.6
121	52.8	51.8	77.6



#28
bis(2-Chloroethoxy)methane
Concen: 9.931 ng
RT: 10.073 min Scan# 1189
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 93 Resp: 56146

Ion	Ratio	Lower	Upper
93	100		
95	30.8	25.4	38.2
123	9.6	7.8	11.6

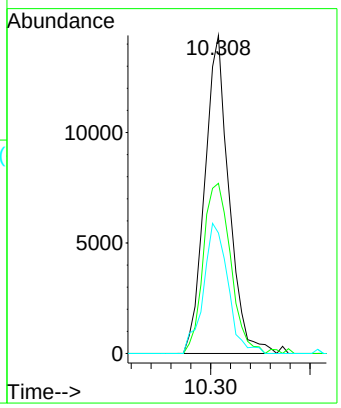


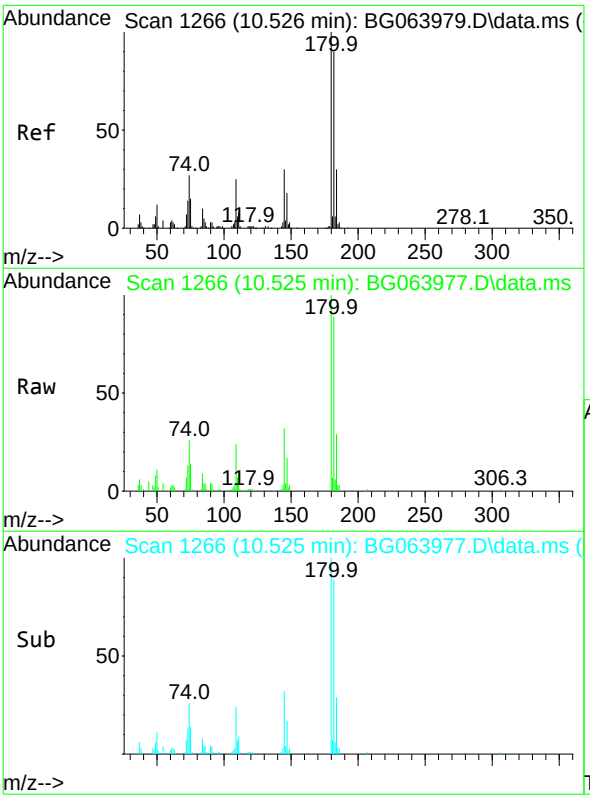
#29
2,4-Dichlorophenol
Concen: 10.142 ng
RT: 10.308 min Scan# 12
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 24362

Ion	Ratio	Lower	Upper
162	100		
164	53.5	43.6	83.6
98	37.9	18.6	58.6

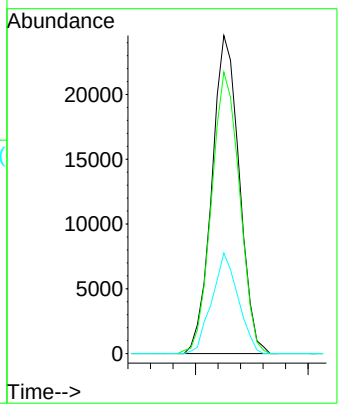


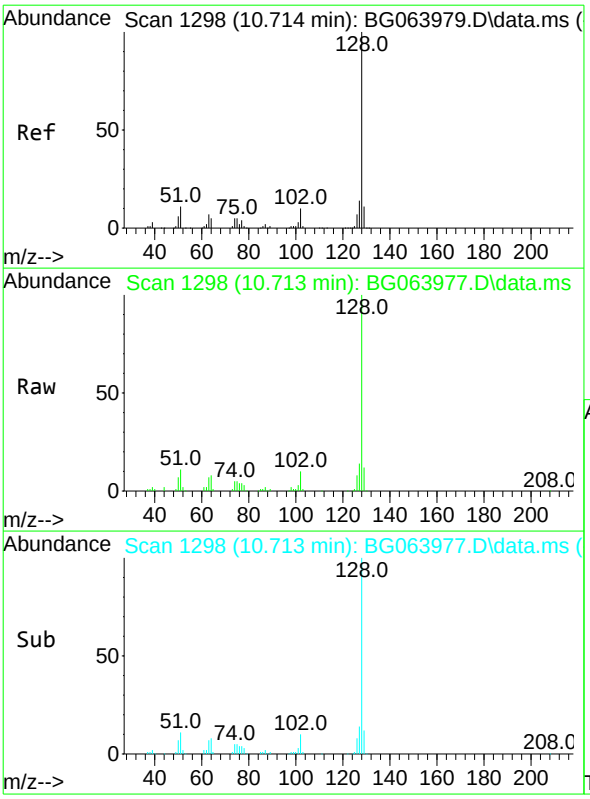


#30
1,2,4-Trichlorobenzene
Concen: 9.873 ng
RT: 10.525 min Scan# 1266
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:180 Resp: 41454

Ion	Ratio	Lower	Upper
180	100		
182	88.5	72.3	108.5
145	31.6	23.8	35.8



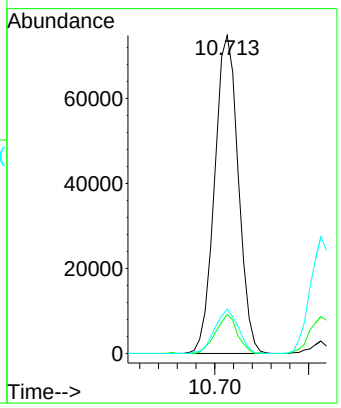


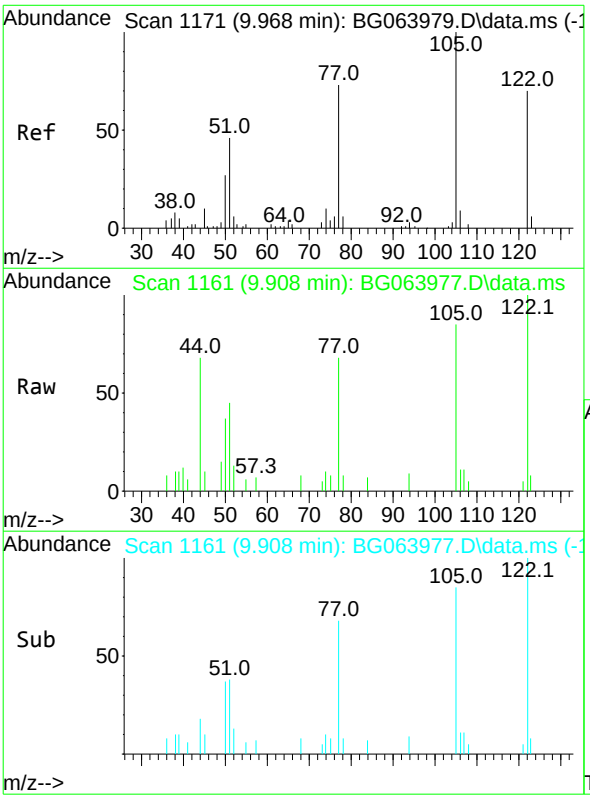
#31
Naphthalene
Concen: 9.821 ng
RT: 10.713 min Scan# 12
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 131160

Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.8	13.2
127	14.0	10.8	16.2

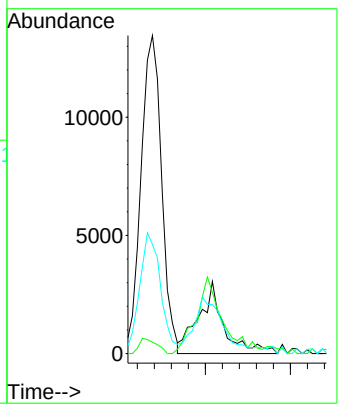


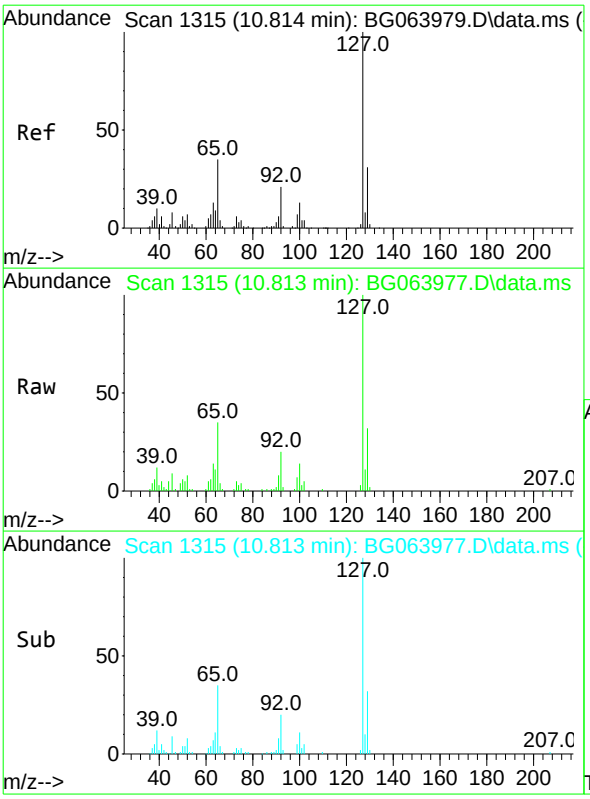


#32
Benzoic acid
Concen: 10.921 ng m
RT: 9.908 min Scan# 1161
Delta R.T. -0.060 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:122 Resp: 6289

Ion	Ratio	Lower	Upper
122	100		
105	85.1	117.9	157.9#
77	68.0	83.9	123.9#



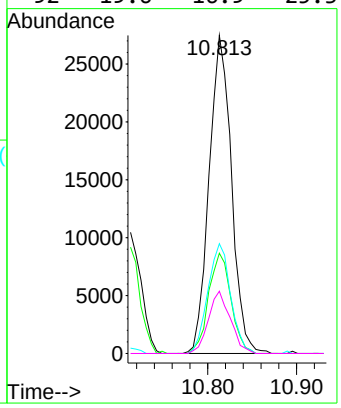


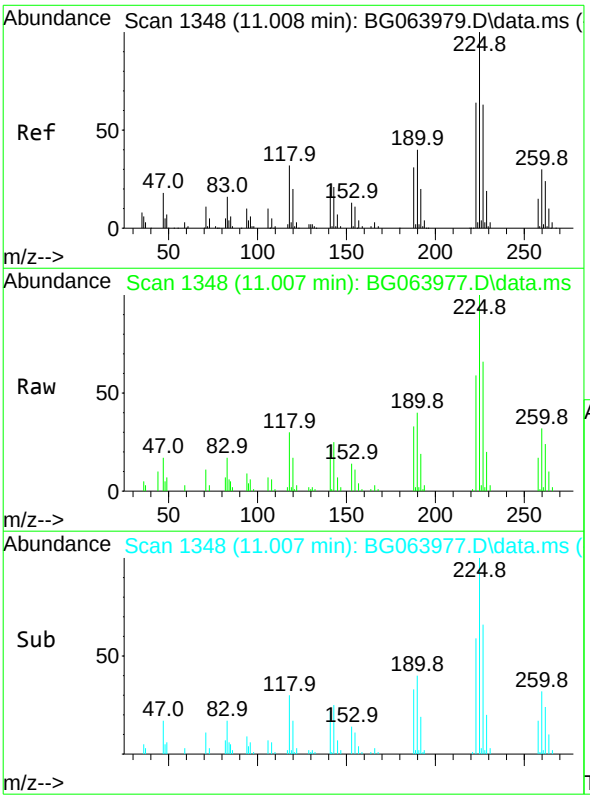
#33
4-Chloroaniline
Concen: 9.392 ng
RT: 10.813 min Scan# 13
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 48054

Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.9	37.3
65	34.5	28.2	42.4
92	19.6	16.9	25.3

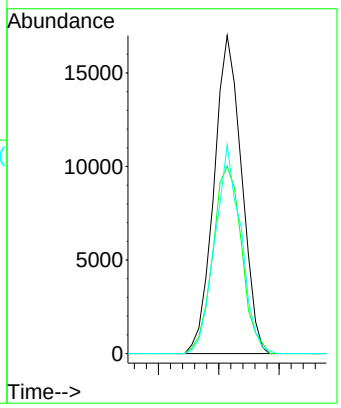


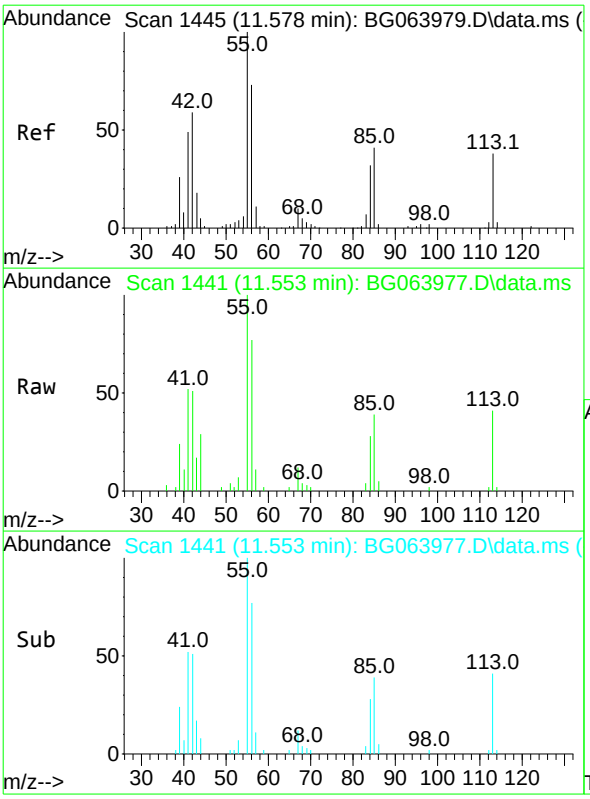


#34
Hexachlorobutadiene
Concen: 10.118 ng
RT: 11.007 min Scan# 1348
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:225 Resp: 27054

Ion	Ratio	Lower	Upper
225	100		
223	58.9	51.0	76.6
227	65.5	50.3	75.5



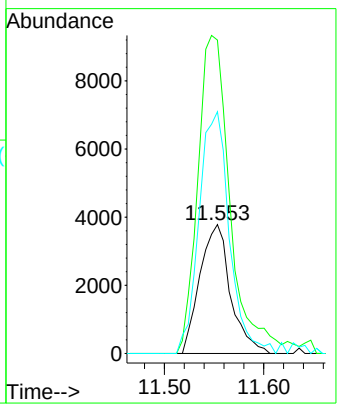


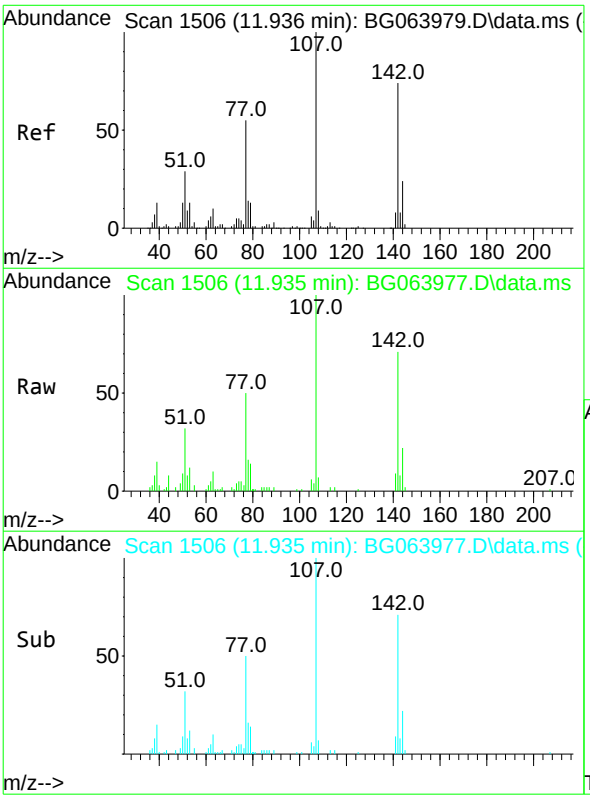
#35
Caprolactam
Concen: 10.841 ng
RT: 11.553 min Scan# 14
Delta R.T. -0.025 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 8118

Ion	Ratio	Lower	Upper
113	100		
55	243.1	241.8	281.8
56	187.5	171.5	211.5

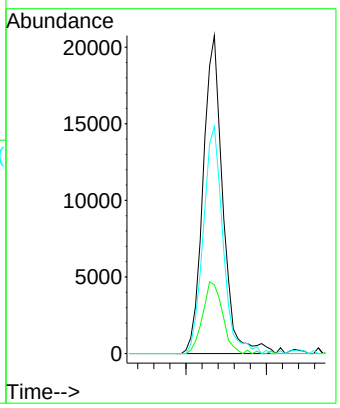


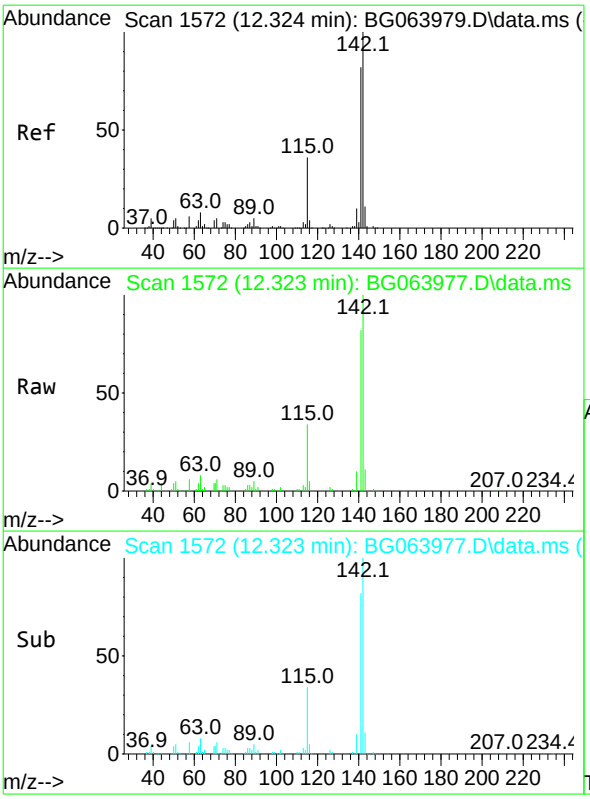


#36
4-Chloro-3-methylphenol
Concen: 8.624 ng
RT: 11.935 min Scan# 1506
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:107 Resp: 35281

Ion	Ratio	Lower	Upper
107	100		
144	21.7	19.2	28.8
142	71.5	58.9	88.3



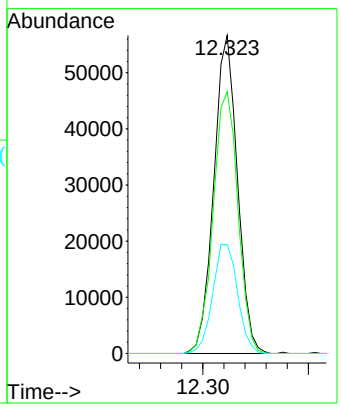


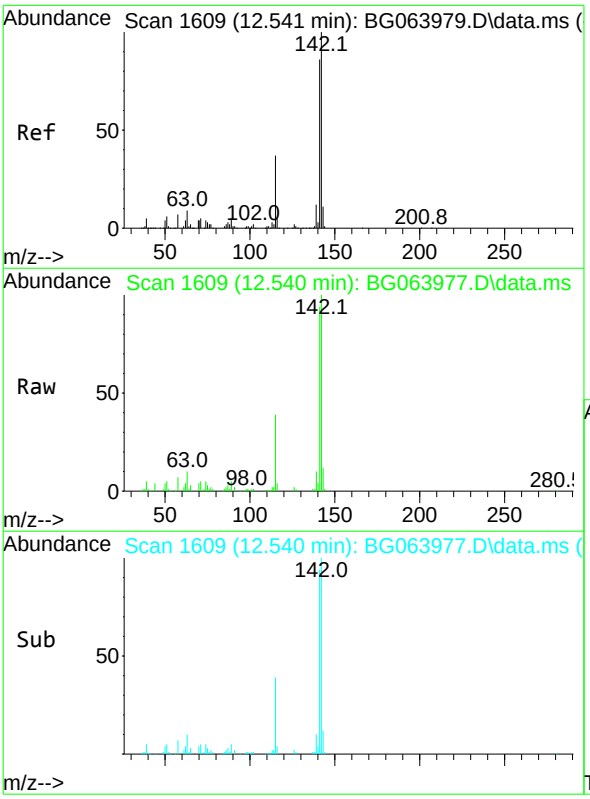
#37
2-Methylnaphthalene
Concen: 9.475 ng
RT: 12.323 min Scan# 15
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 88173

Ion	Ratio	Lower	Upper
142	100		
141	82.3	65.8	98.8
115	34.2	28.9	43.3

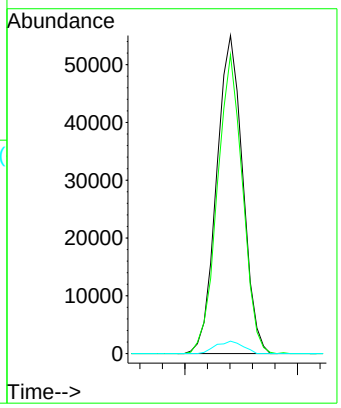


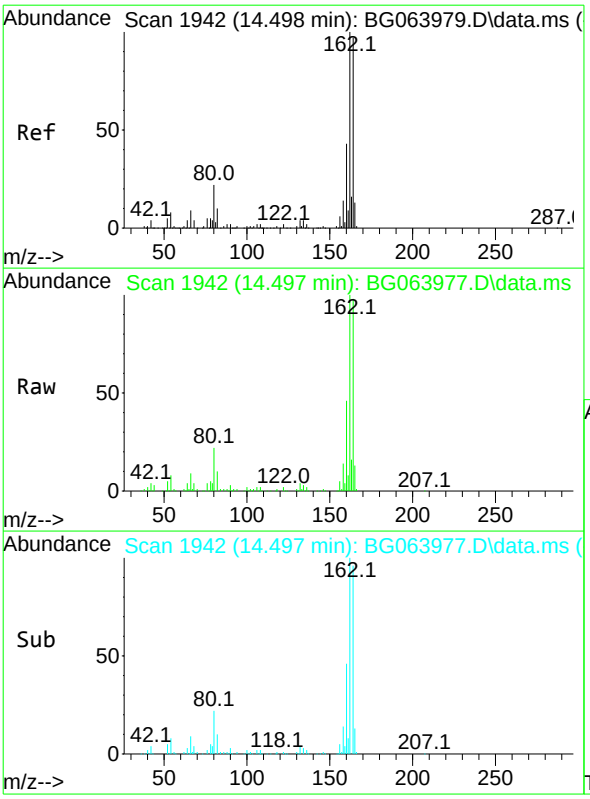


#38
1-Methylnaphthalene
Concen: 9.614 ng
RT: 12.540 min Scan# 1609
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:142 Resp: 88527

Ion	Ratio	Lower	Upper
142	100		
141	94.0	69.2	103.8
116	3.9	3.6	5.4



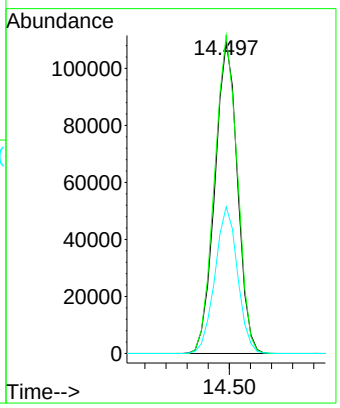


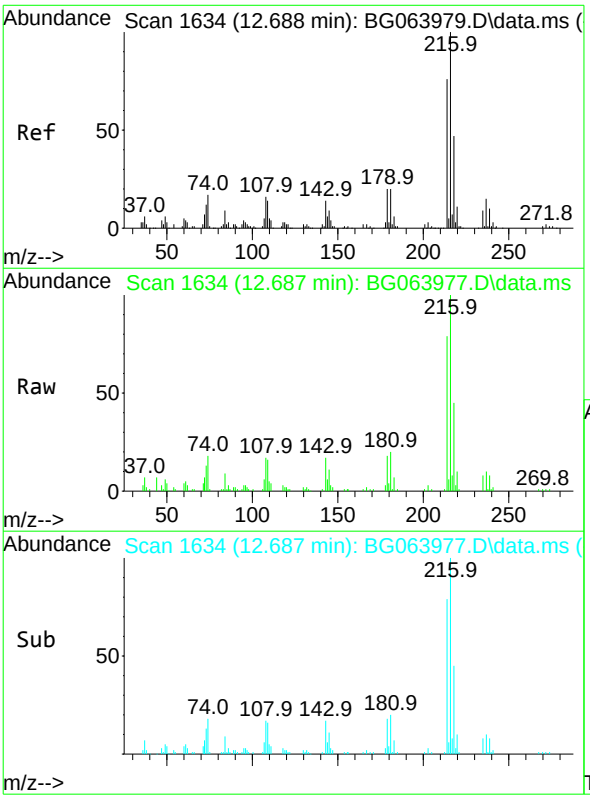
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.497 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 162735

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.3	123.5
160	47.1	35.4	53.0

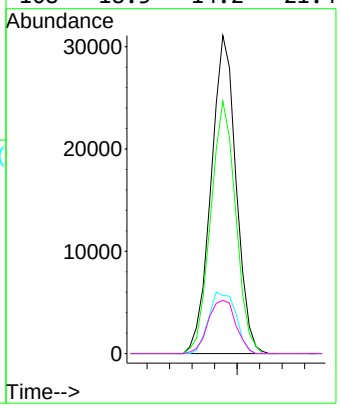


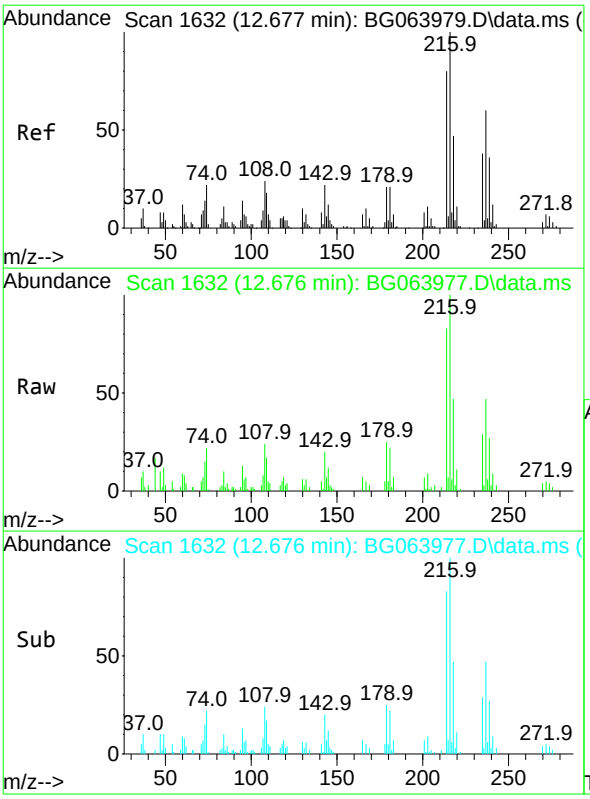


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.012 ng
RT: 12.687 min Scan# 1634
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:216 Resp: 48045

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.9	94.3
179	21.1	16.6	25.0
108	18.5	14.2	21.4



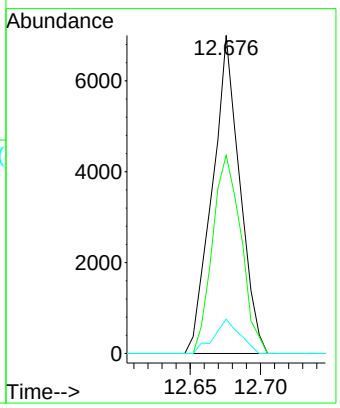


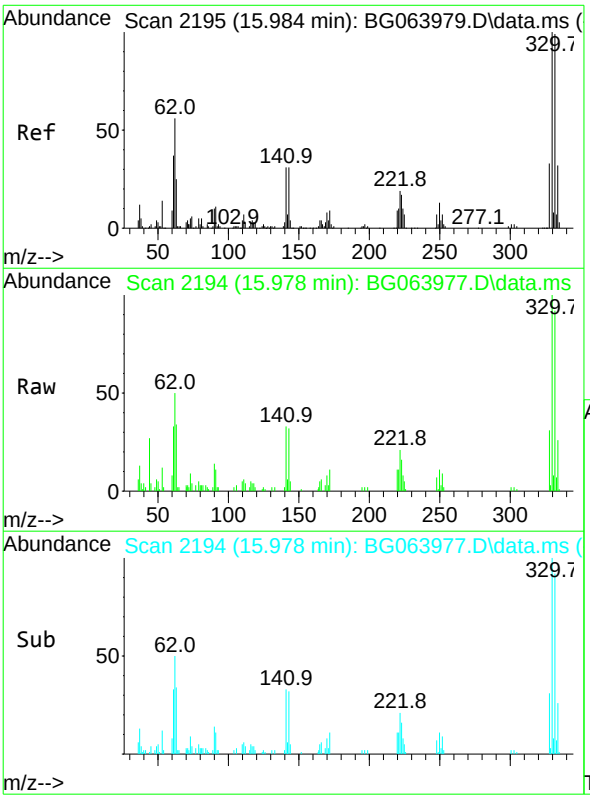
#41
Hexachlorocyclopentadiene
Concen: 7.334 ng
RT: 12.676 min Scan# 16
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 9495

Ion	Ratio	Lower	Upper
237	100		
235	68.0	43.8	83.8
272	10.8	0.0	32.3

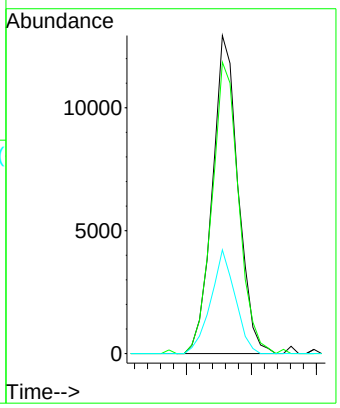


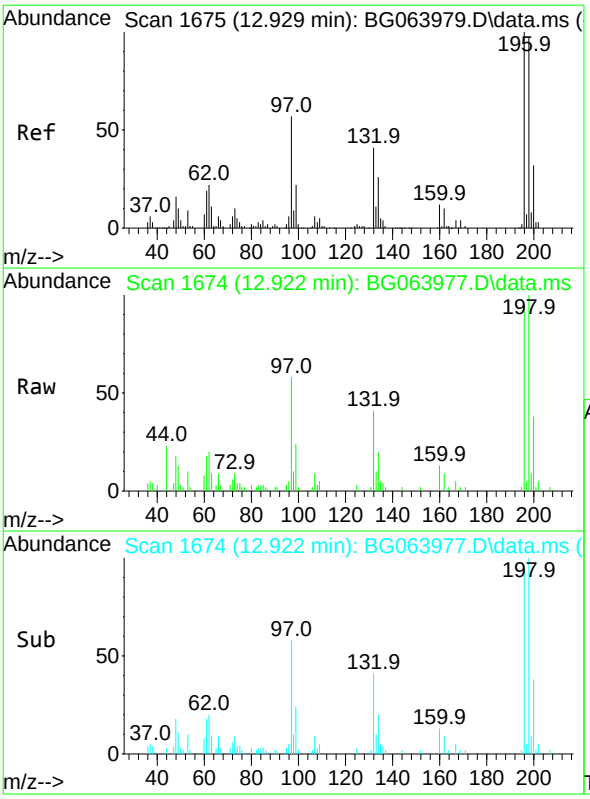


#42
2,4,6-Tribromophenol
Concen: 23.651 ng
RT: 15.978 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:330 Resp: 17783

Ion	Ratio	Lower	Upper
330	100		
332	95.0	79.0	118.6
141	30.9	27.2	40.8



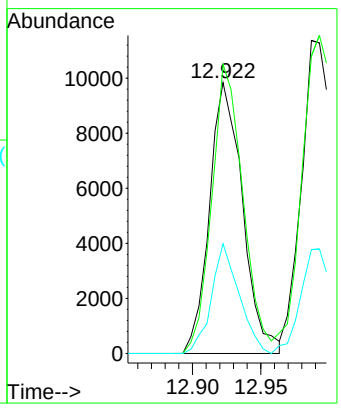


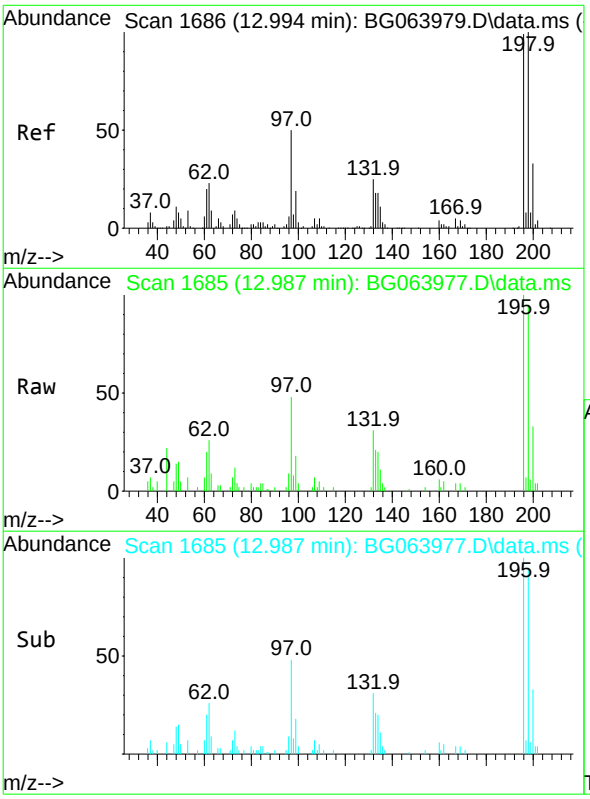
#43
2,4,6-Trichlorophenol
Concen: 10.177 ng m
RT: 12.922 min Scan# 16
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 16588

Ion	Ratio	Lower	Upper
196	100		
198	106.7	77.9	116.9
200	40.5	25.5	38.3#

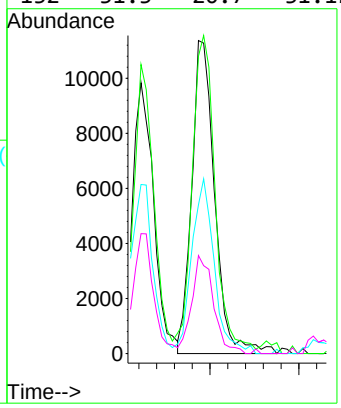


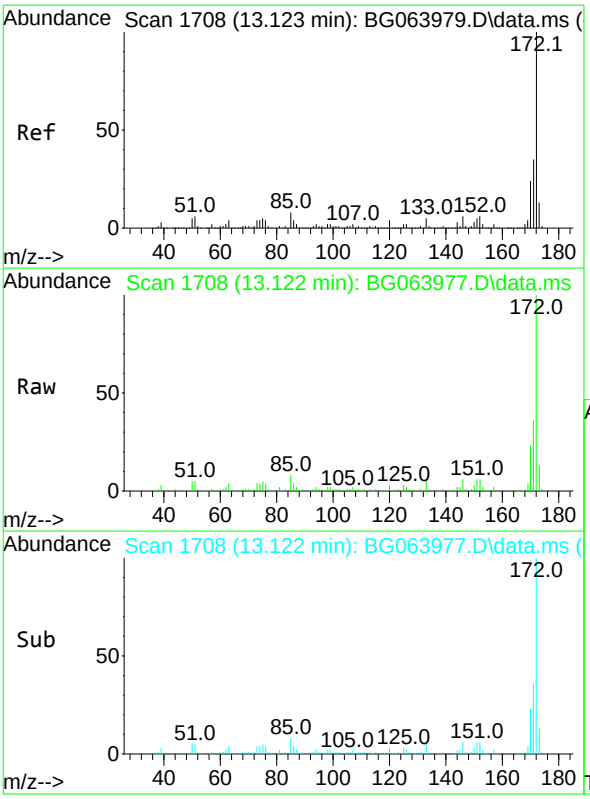


#44
2,4,5-Trichlorophenol
Concen: 9.841 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:196 Resp: 20400

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.1	121.7
97	47.5	41.2	61.8
132	31.3	20.7	31.1#



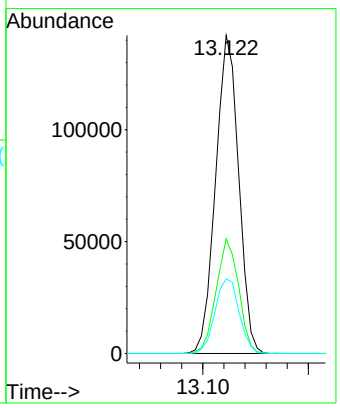


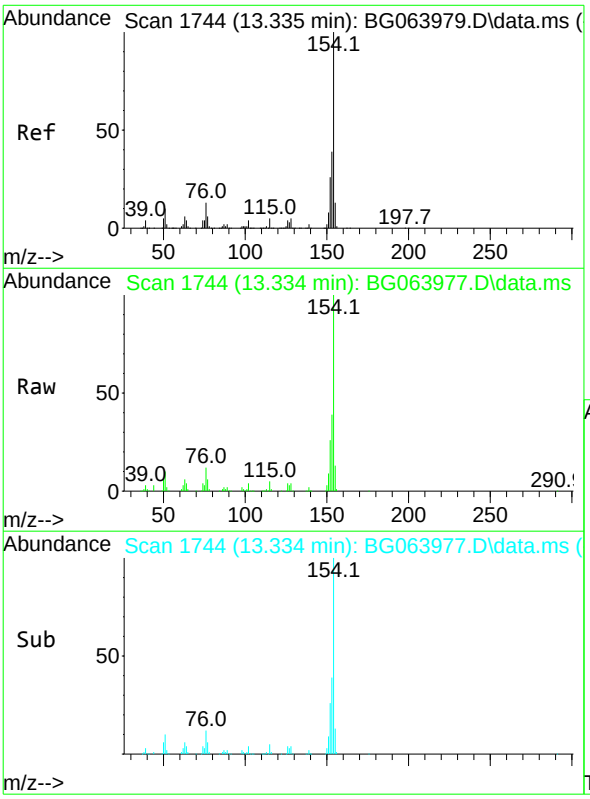
#45
2-Fluorobiphenyl
Concen: 20.284 ng
RT: 13.122 min Scan# 17
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 215445

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	23.4	19.4	29.2

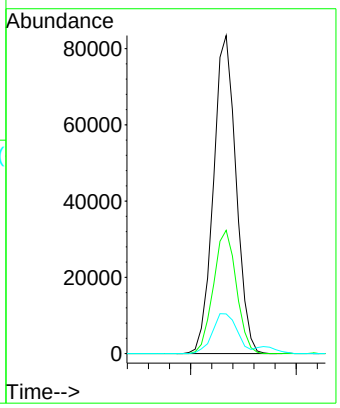


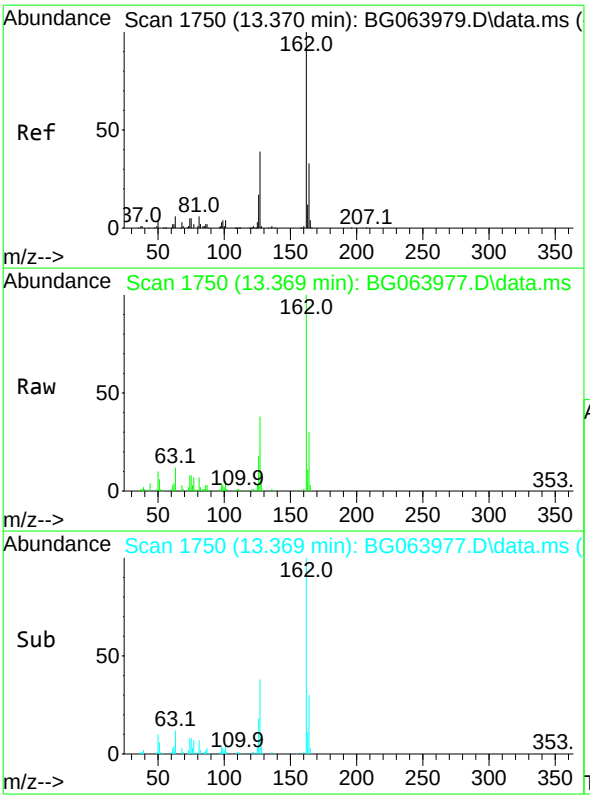


#46
1,1'-Biphenyl
Concen: 10.022 ng
RT: 13.334 min Scan# 1744
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:154 Resp: 124174

Ion	Ratio	Lower	Upper
154	100		
153	38.8	19.3	59.3
76	12.5	0.0	33.3



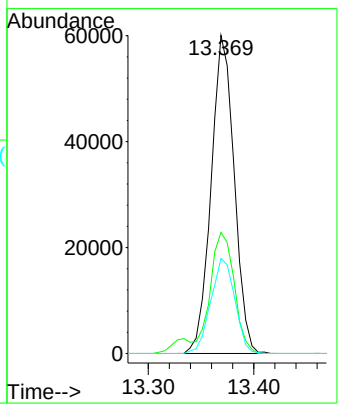


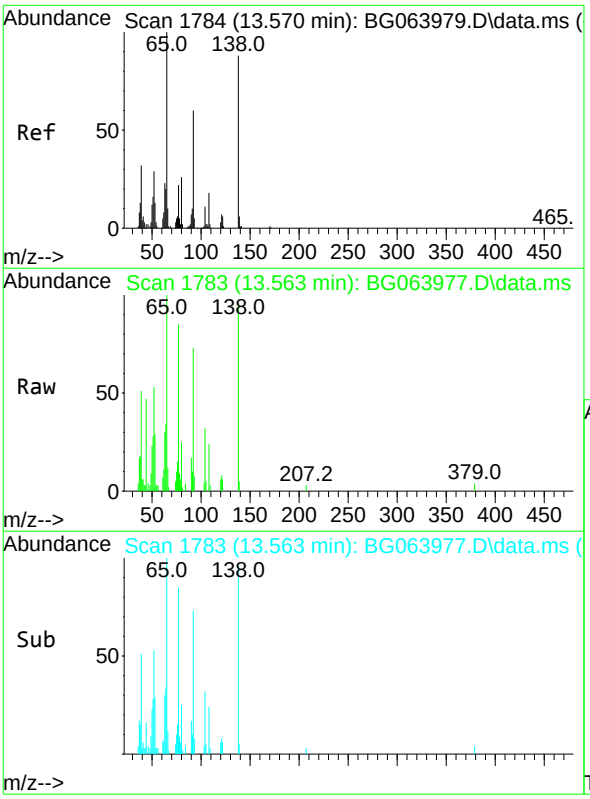
#47
2-Chloronaphthalene
Concen: 10.115 ng
RT: 13.369 min Scan# 17
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 91347

Ion	Ratio	Lower	Upper
162	100		
127	38.1	33.4	50.2
164	29.9	26.0	39.0

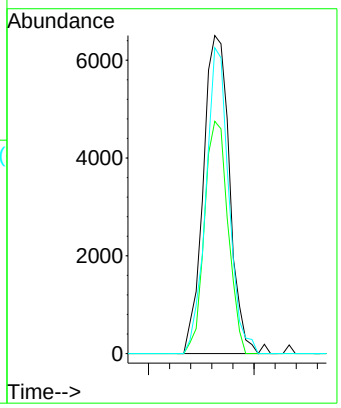


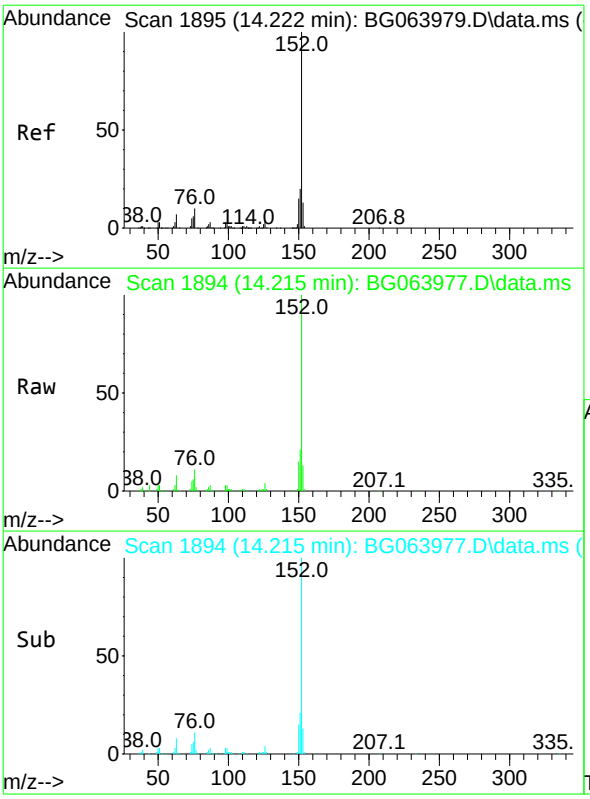


#48
2-Nitroaniline
Concen: 9.438 ng
RT: 13.563 min Scan# 1783
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion: 65 Resp: 11299

Ion	Ratio	Lower	Upper
65	100		
92	73.0	47.6	71.4#
138	96.2	70.6	106.0



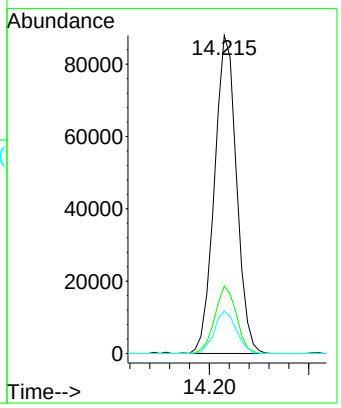


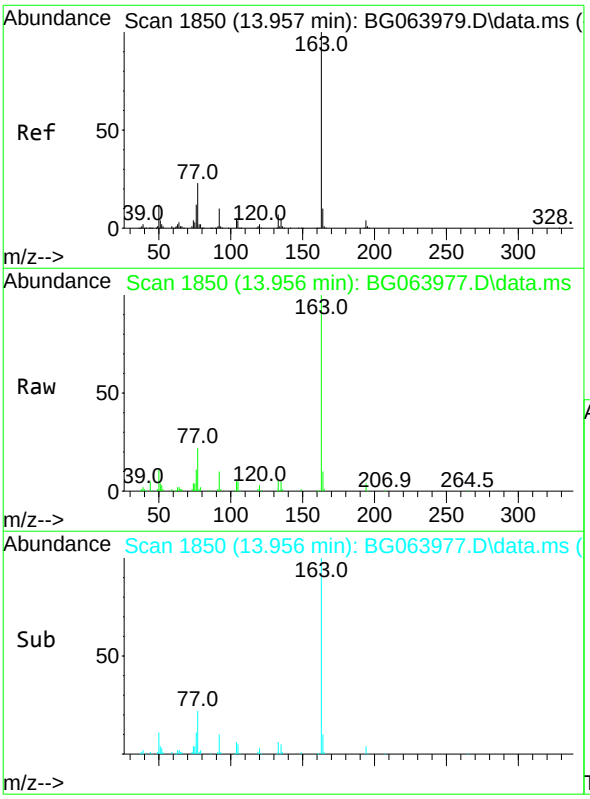
#49
Acenaphthylene
Concen: 9.679 ng
RT: 14.215 min Scan# 18
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 135768

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.9	23.9
153	13.3	10.3	15.5

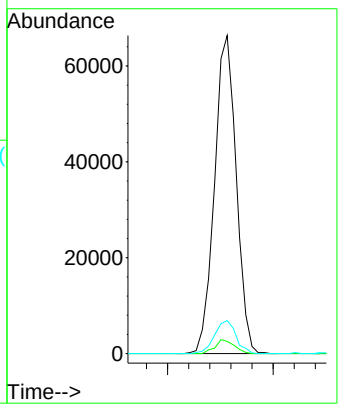


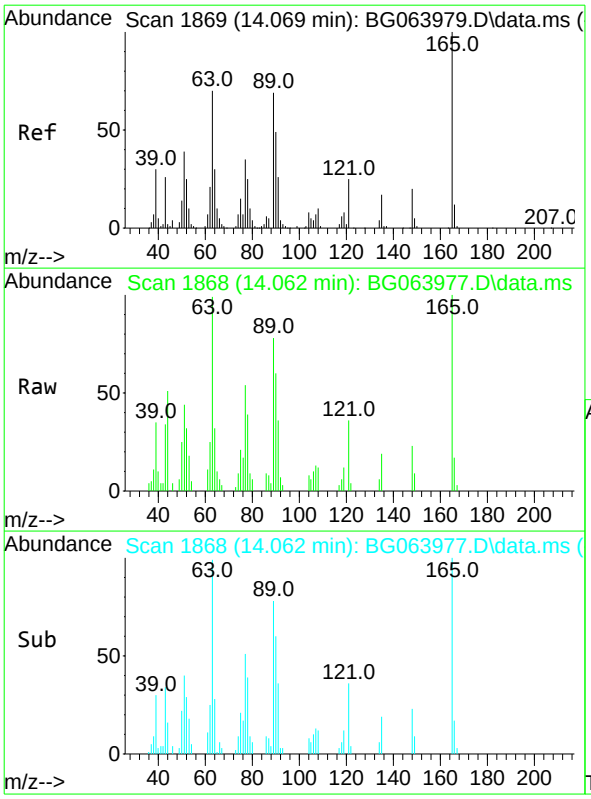


#50
Dimethylphthalate
Concen: 8.788 ng
RT: 13.956 min Scan# 1850
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:163 Resp: 94818

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.4	8.0	12.0



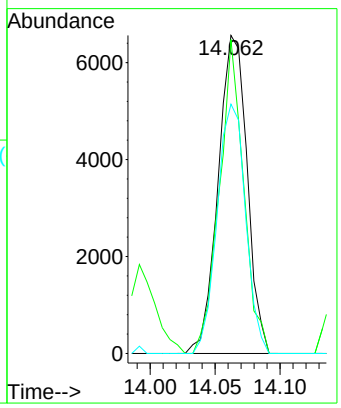


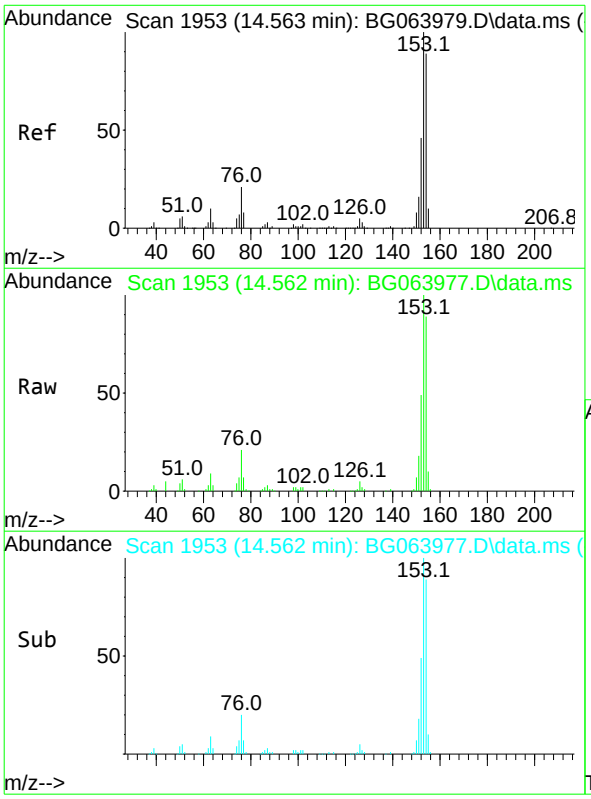
#51
2,6-Dinitrotoluene
Concen: 9.573 ng
RT: 14.062 min Scan# 18
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 10164

Ion	Ratio	Lower	Upper
165	100		
63	98.7	57.7	86.5#
89	78.4	55.6	83.4

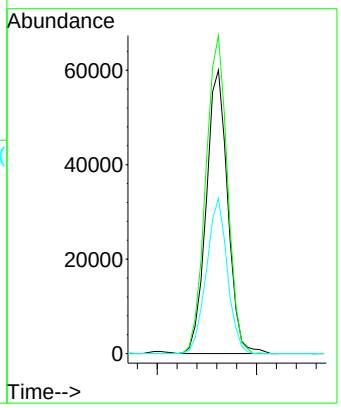


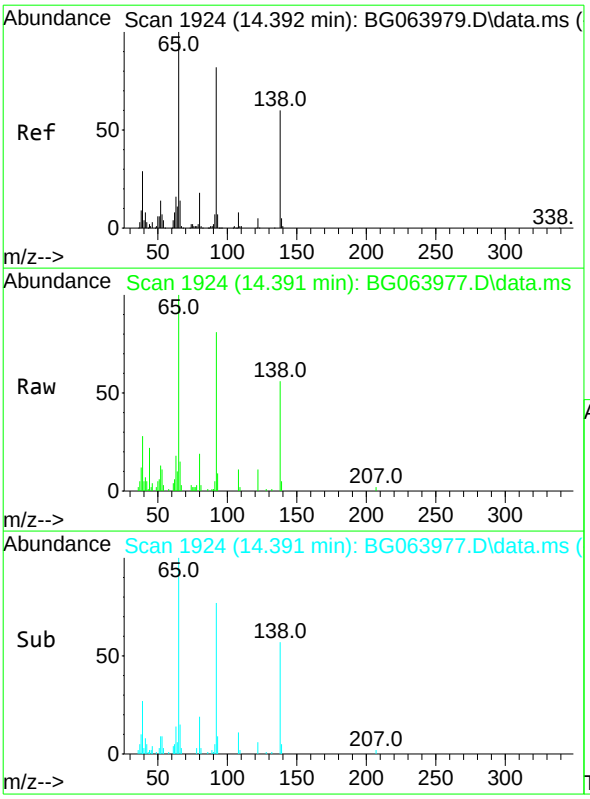


#52
Acenaphthene
Concen: 9.590 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:154 Resp: 90234

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.2	135.2
152	54.8	41.1	61.7



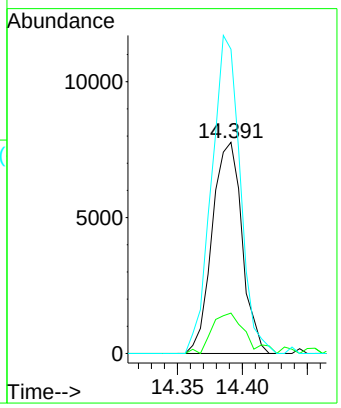


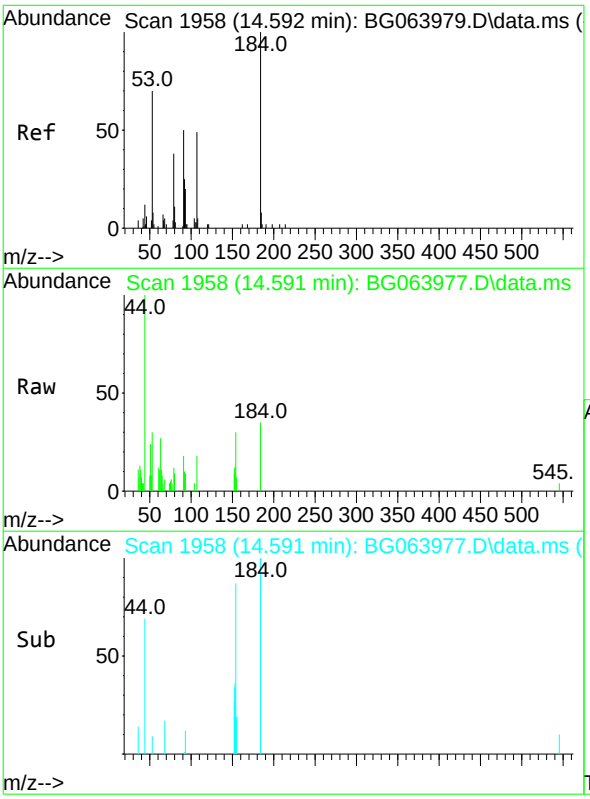
#53
3-Nitroaniline
Concen: 9.945 ng
RT: 14.391 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 12408

Ion	Ratio	Lower	Upper
138	100		
108	19.1	10.3	15.5#
92	144.1	109.0	163.4

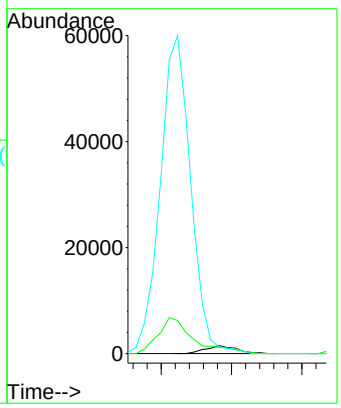


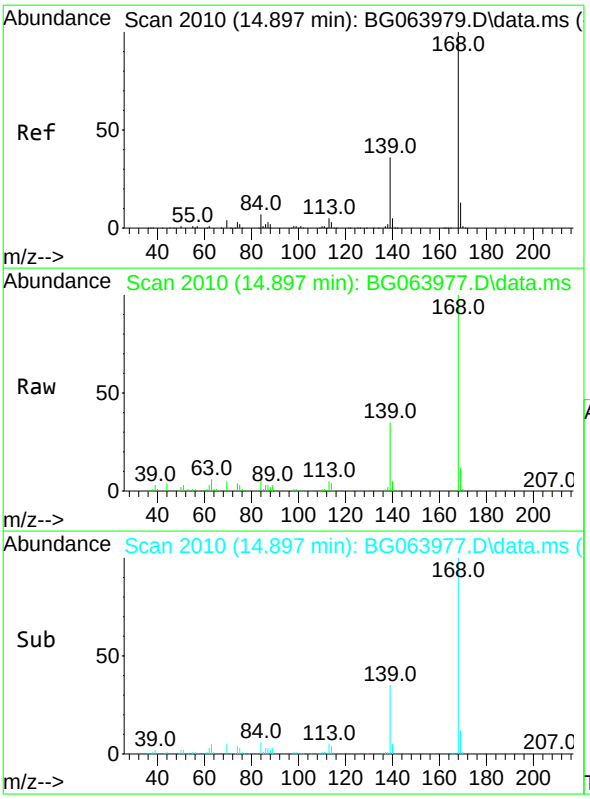


#54
2,4-Dinitrophenol
Concen: 9.601 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:184 Resp: 2285

Ion	Ratio	Lower	Upper
184	100		
63	78.0	67.3	100.9
154	87.3	65.9	98.9



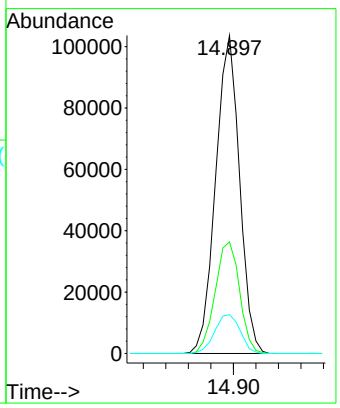


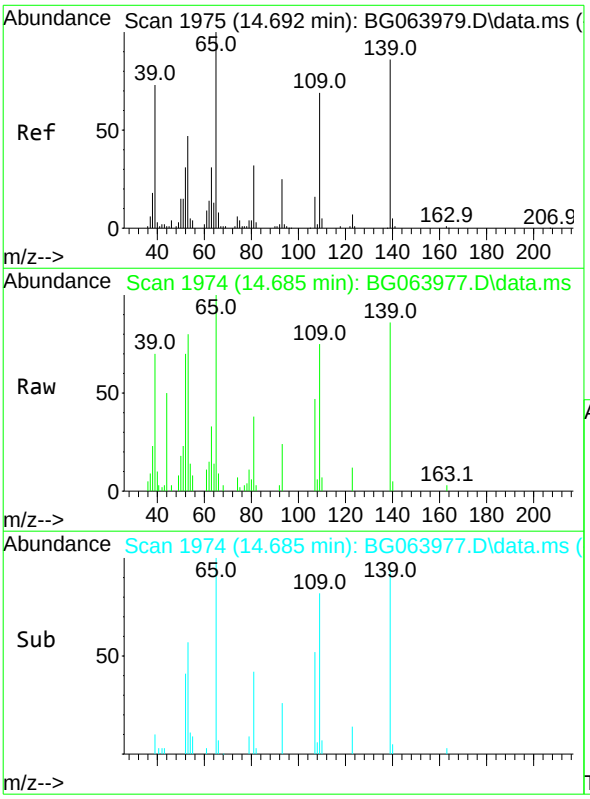
#55
Dibenzofuran
Concen: 9.982 ng
RT: 14.897 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 152505

Ion	Ratio	Lower	Upper
168	100		
139	35.1	28.6	43.0
169	12.2	10.6	16.0

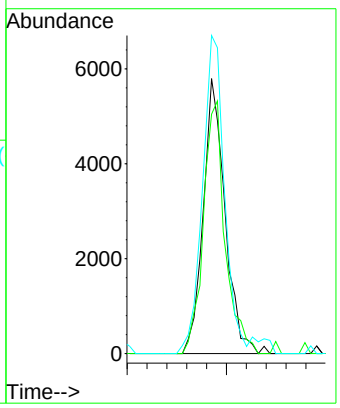


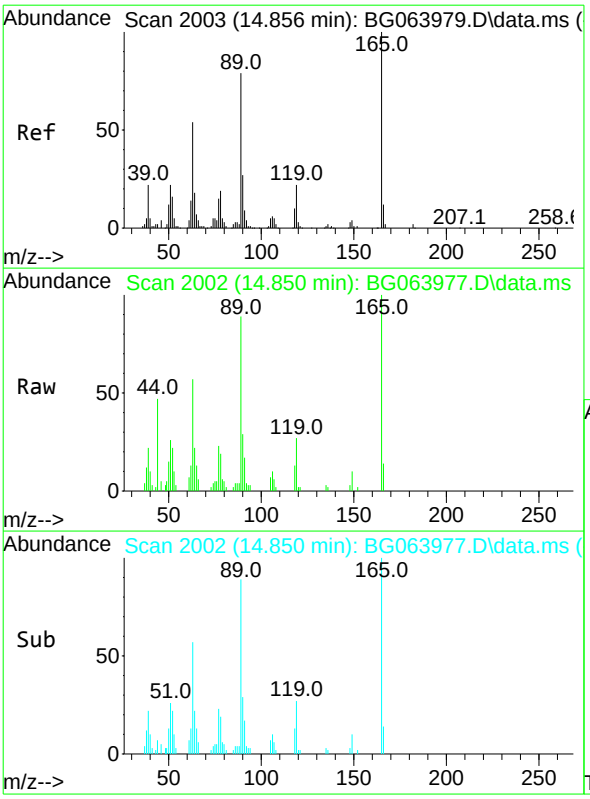


#56
4-Nitrophenol
Concen: 12.222 ng
RT: 14.685 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:139 Resp: 8836

Ion	Ratio	Lower	Upper
139	100		
109	87.1	60.1	100.1
65	115.7	96.2	136.2



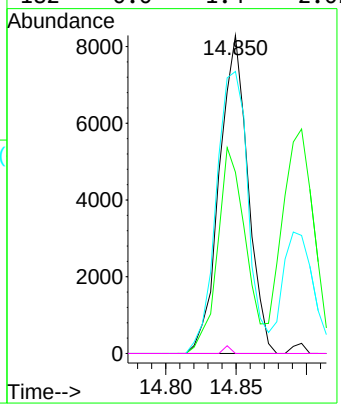


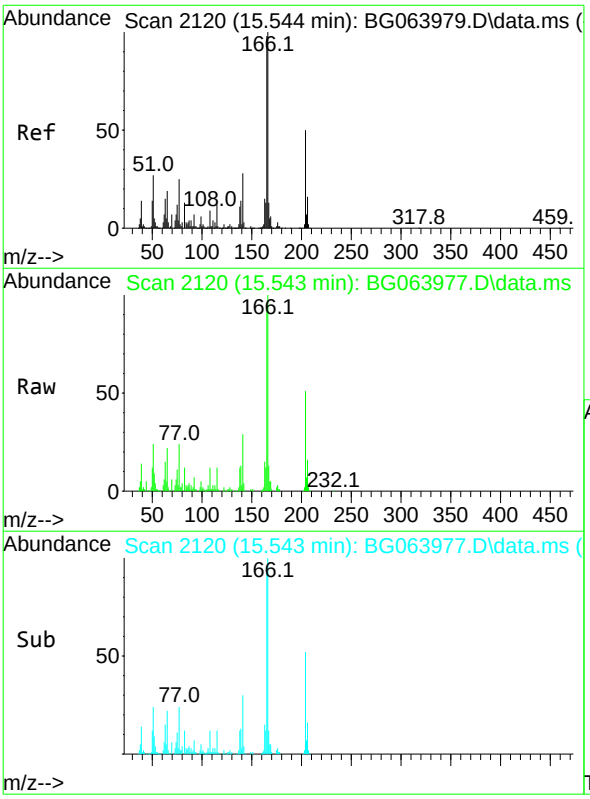
#57
2,4-Dinitrotoluene
Concen: 9.465 ng
RT: 14.850 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 11715

Ion	Ratio	Lower	Upper
165	100		
63	57.0	43.6	65.4
89	88.7	63.1	94.7
182	0.0	1.4	2.0#

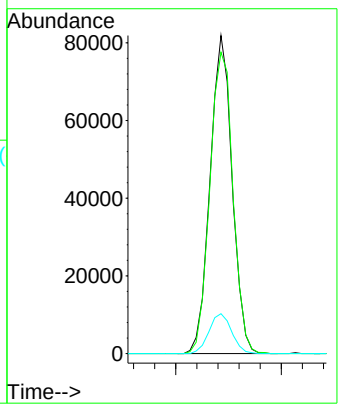


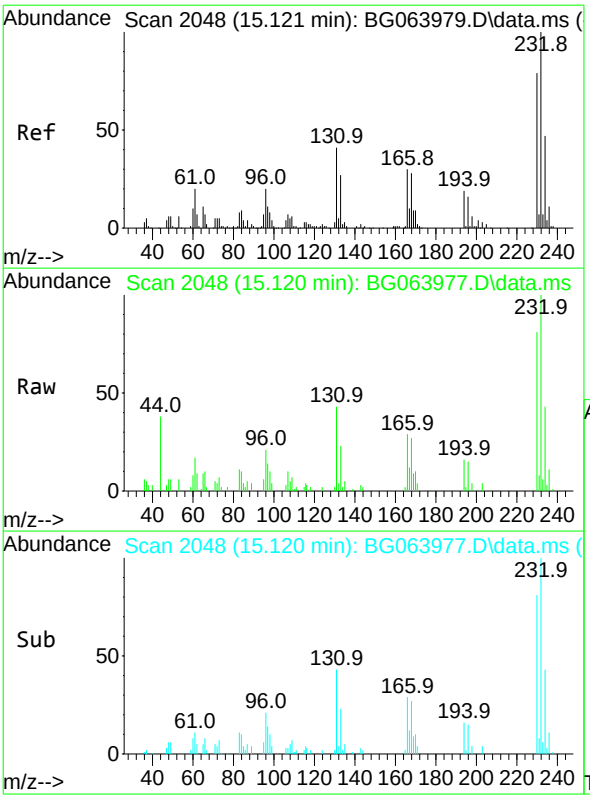


#58
Fluorene
Concen: 10.078 ng
RT: 15.543 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:166 Resp: 119012

Ion	Ratio	Lower	Upper
166	100		
165	94.8	78.7	118.1
167	12.5	10.1	15.1



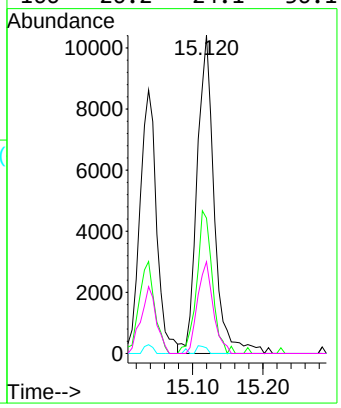


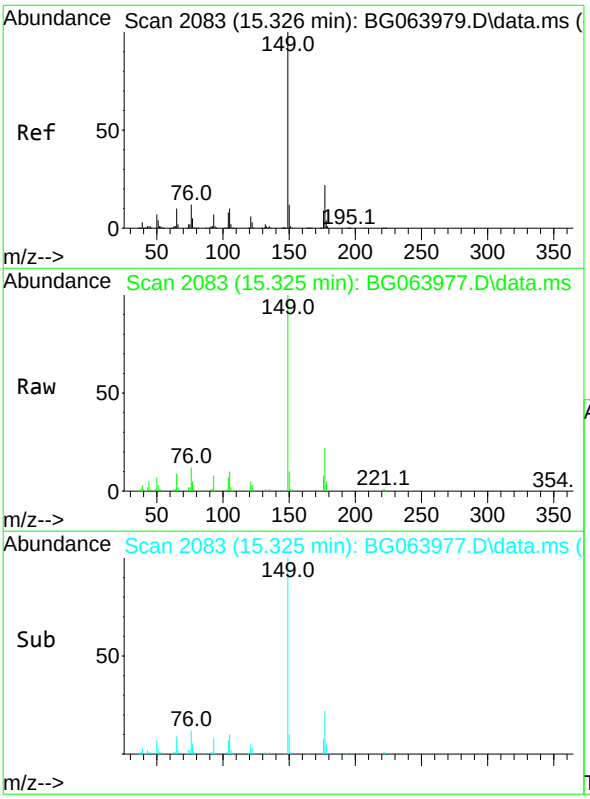
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.339 ng
RT: 15.120 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 17623

Ion	Ratio	Lower	Upper
232	100		
131	40.7	34.0	51.0
130	1.3	2.2	3.4#
166	26.2	24.1	36.1

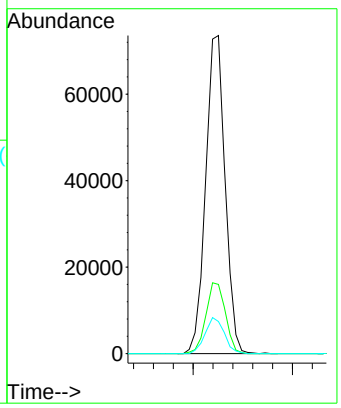


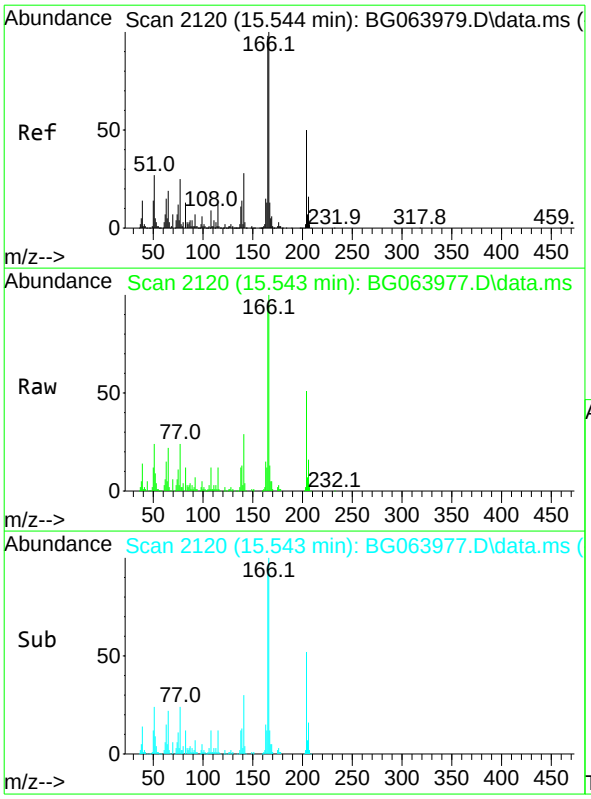


#60
Diethylphthalate
Concen: 8.730 ng
RT: 15.325 min Scan# 2083
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:149 Resp: 99873

Ion	Ratio	Lower	Upper
149	100		
177	21.7	18.0	27.0
150	10.1	9.7	14.5



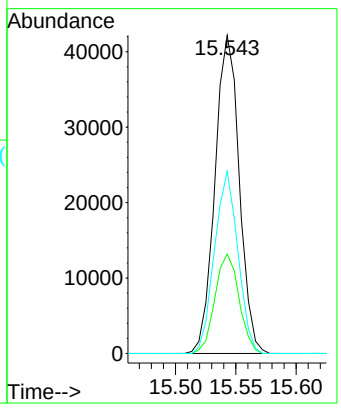


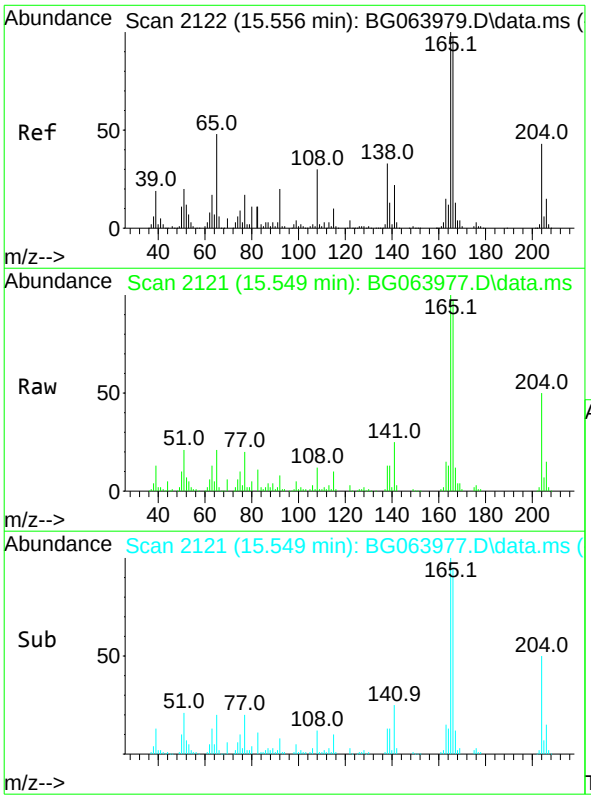
#61
4-Chlorophenyl-phenylether
Concen: 9.974 ng
RT: 15.543 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 59093

Ion	Ratio	Lower	Upper
204	100		
206	31.3	25.8	38.6
141	57.2	44.6	67.0

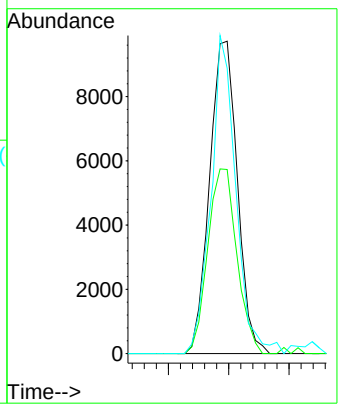


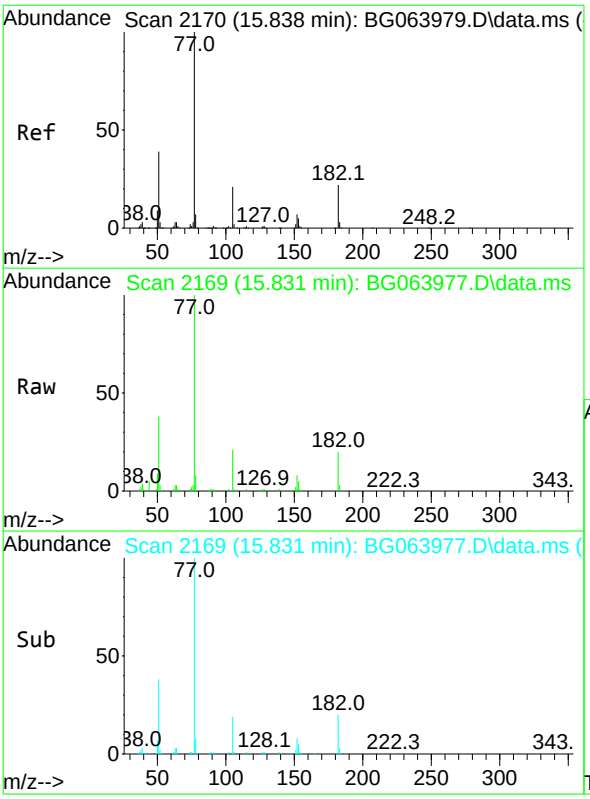


#62
4-Nitroaniline
Concen: 9.536 ng
RT: 15.549 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:138 Resp: 15576

Ion	Ratio	Lower	Upper
138	100		
92	58.9	40.3	80.3
108	91.3	69.3	109.3



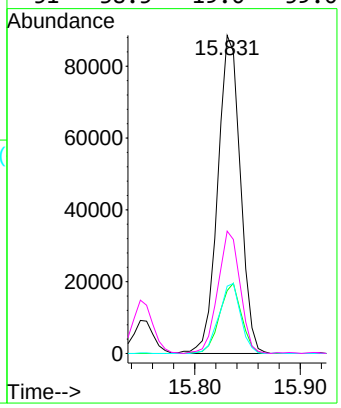


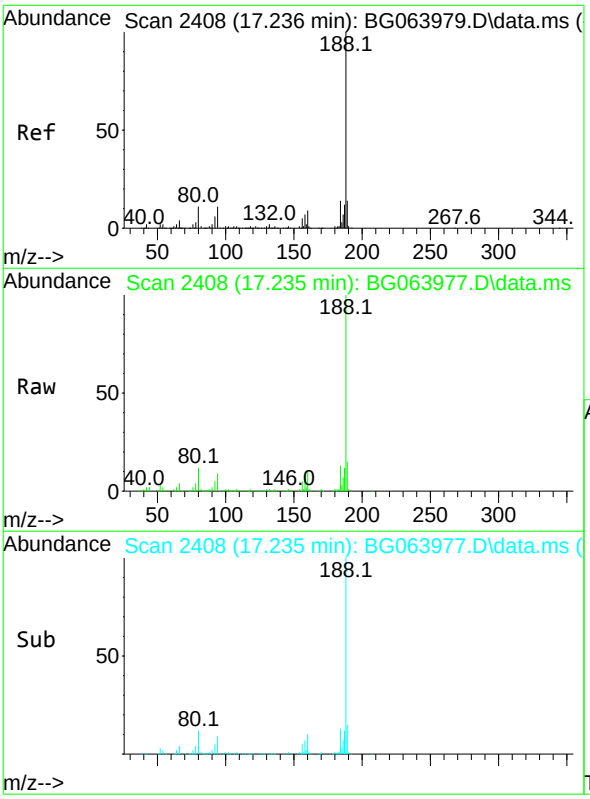
#63
Azobenzene
Concen: 9.750 ng
RT: 15.831 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 131748

Ion	Ratio	Lower	Upper
77	100		
182	19.8	2.3	42.3
105	21.2	1.0	41.0
51	38.5	19.0	59.0

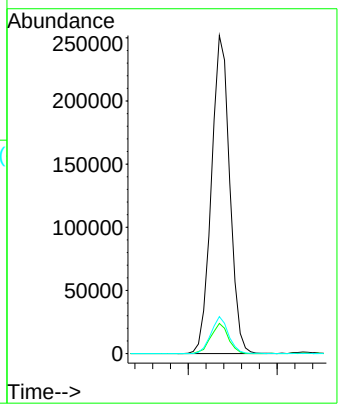


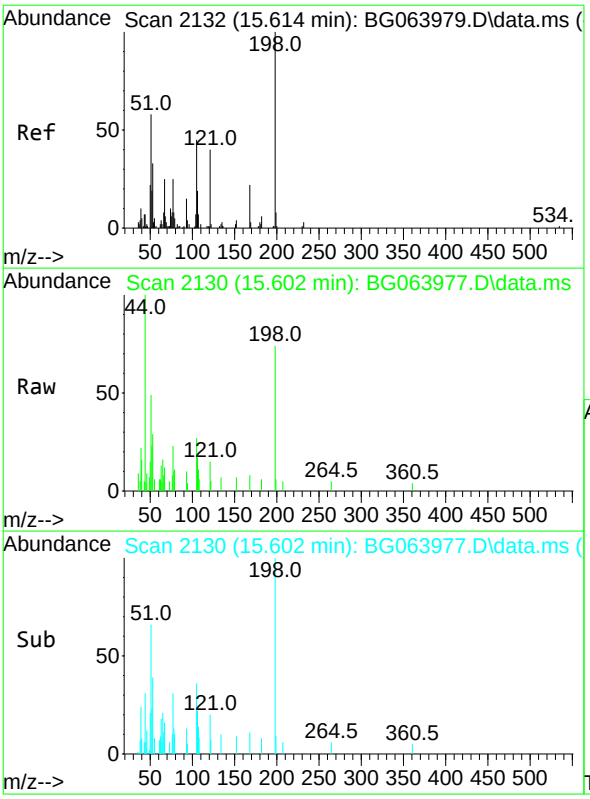


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.235 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:188 Resp: 360004

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.6	13.0
80	11.6	8.5	12.7



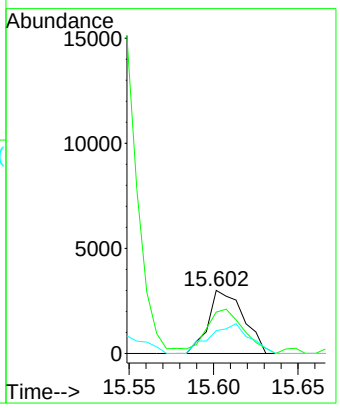


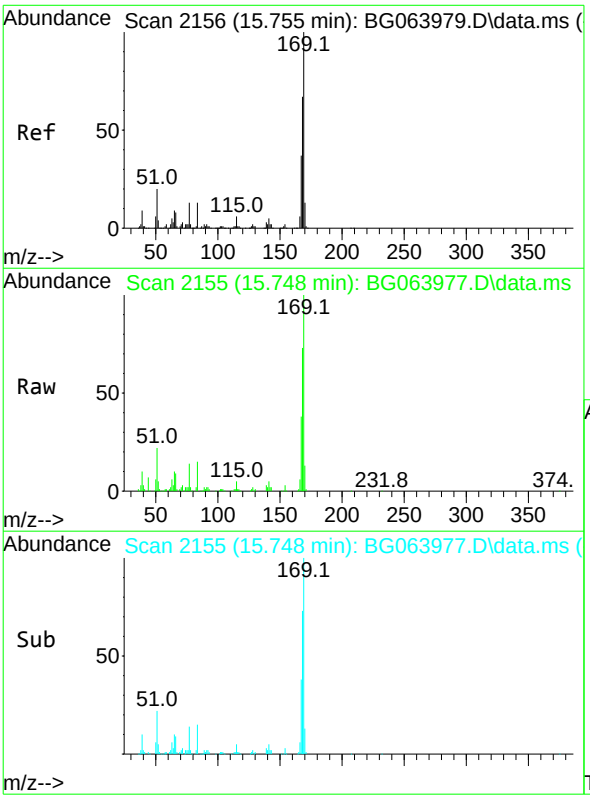
#65
4,6-Dinitro-2-methylphenol
Concen: 10.266 ng
RT: 15.602 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 4340

Ion	Ratio	Lower	Upper
198	100		
51	65.6	45.4	85.4
105	36.2	27.7	67.7

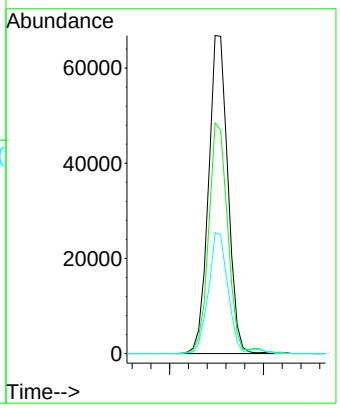


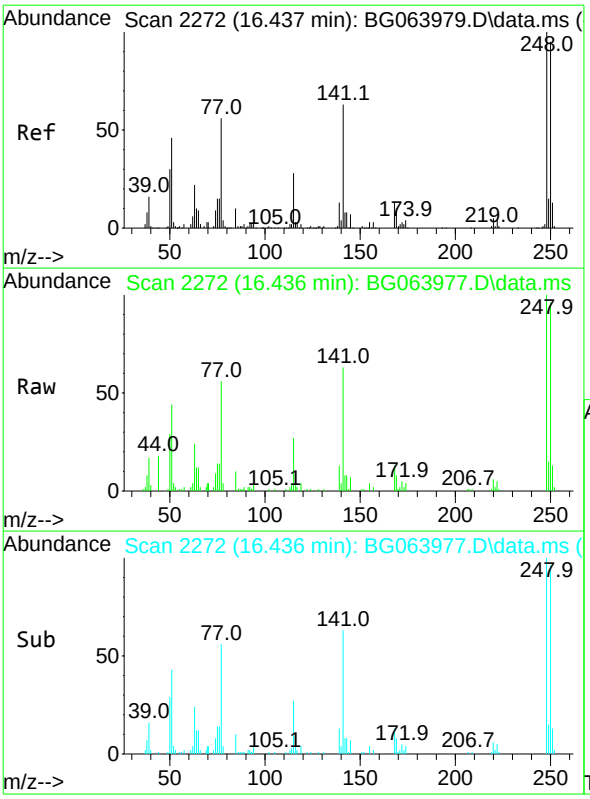


#66
n-Nitrosodiphenylamine
Concen: 9.592 ng
RT: 15.748 min Scan# 2155
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:169 Resp: 95739

Ion	Ratio	Lower	Upper
169	100		
168	72.5	53.5	80.3
167	38.1	30.0	45.0



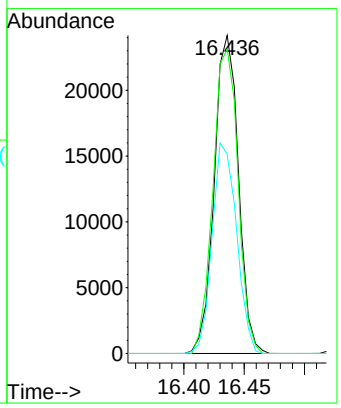


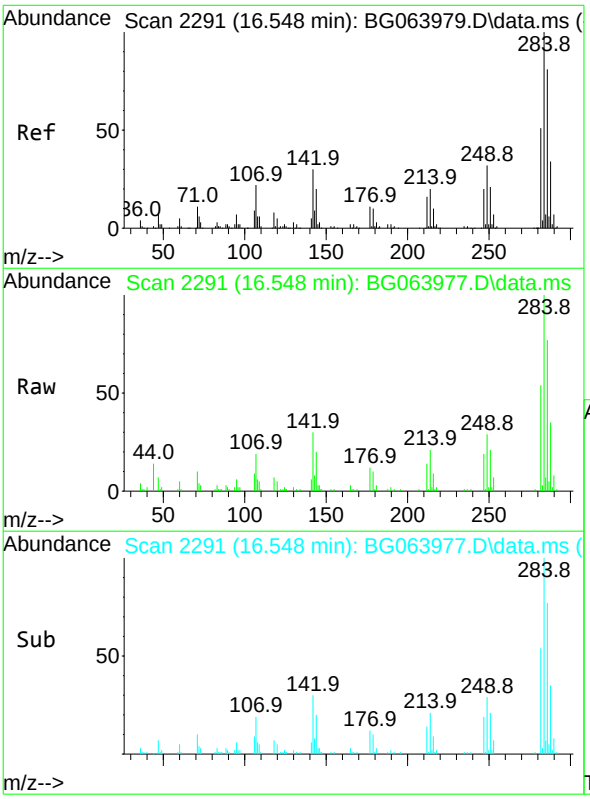
#67
4-Bromophenyl-phenylether
Concen: 9.396 ng
RT: 16.436 min Scan# 22
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 33668

Ion	Ratio	Lower	Upper
248	100		
250	95.8	76.2	114.4
141	62.6	50.6	75.8

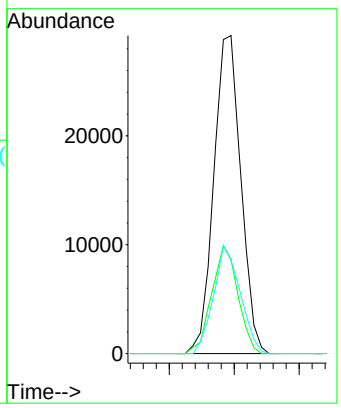


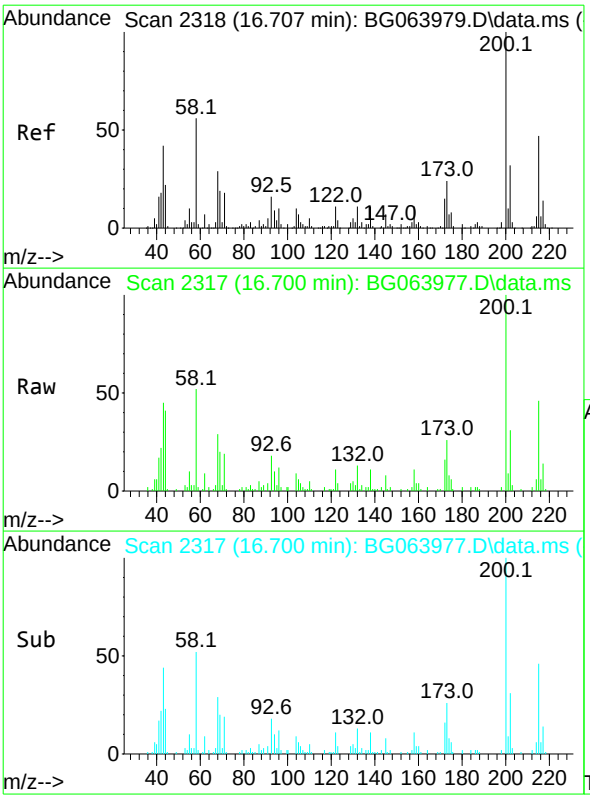


#68
Hexachlorobenzene
Concen: 10.022 ng
RT: 16.548 min Scan# 2291
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:284 Resp: 42219

Ion	Ratio	Lower	Upper
284	100		
142	29.6	23.8	35.8
249	29.3	25.9	38.9



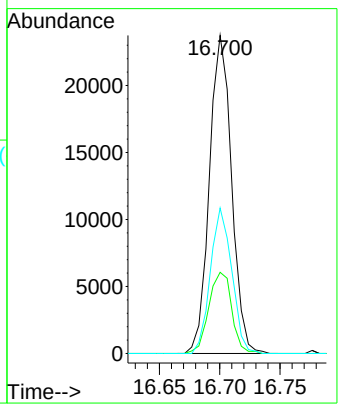


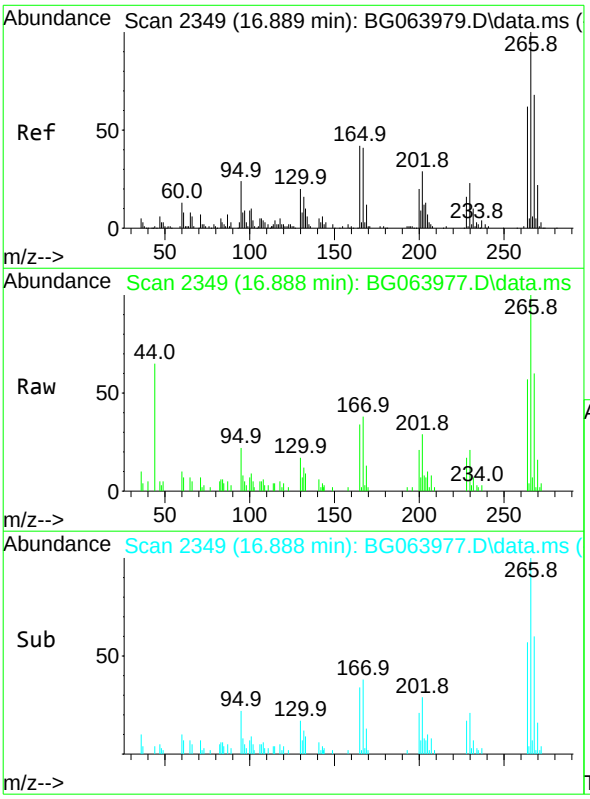
#69
Atrazine
Concen: 9.139 ng
RT: 16.700 min Scan# 23
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 30355

Ion	Ratio	Lower	Upper
200	100		
173	25.5	3.8	43.8
215	45.7	26.6	66.6

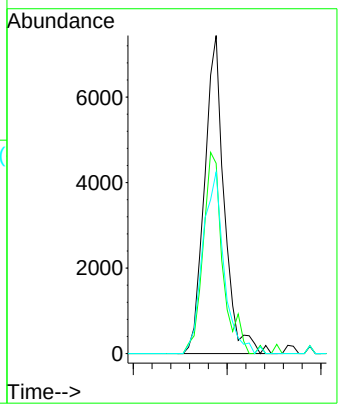


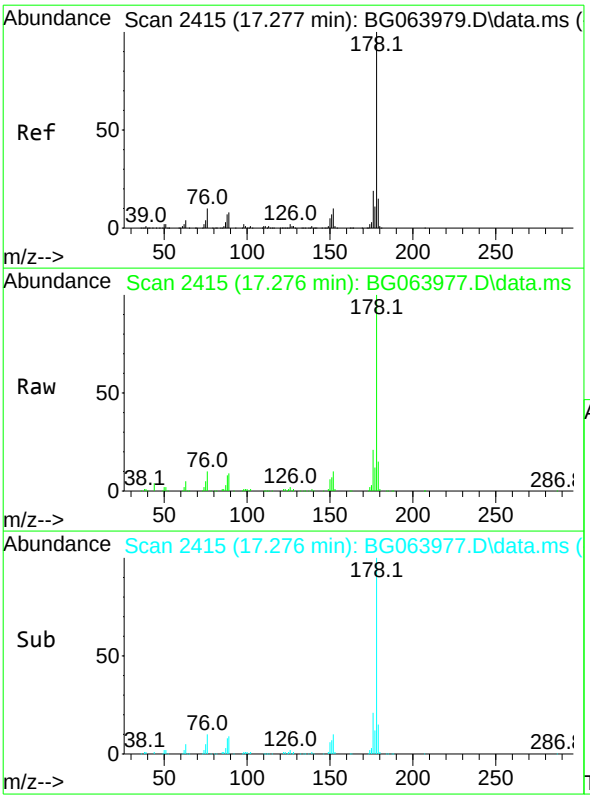


#70
Pentachlorophenol
Concen: 12.203 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:266 Resp: 10847

Ion	Ratio	Lower	Upper
266	100		
268	59.8	54.8	82.2
264	60.9	50.0	75.0



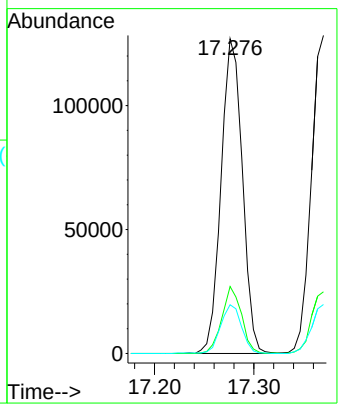


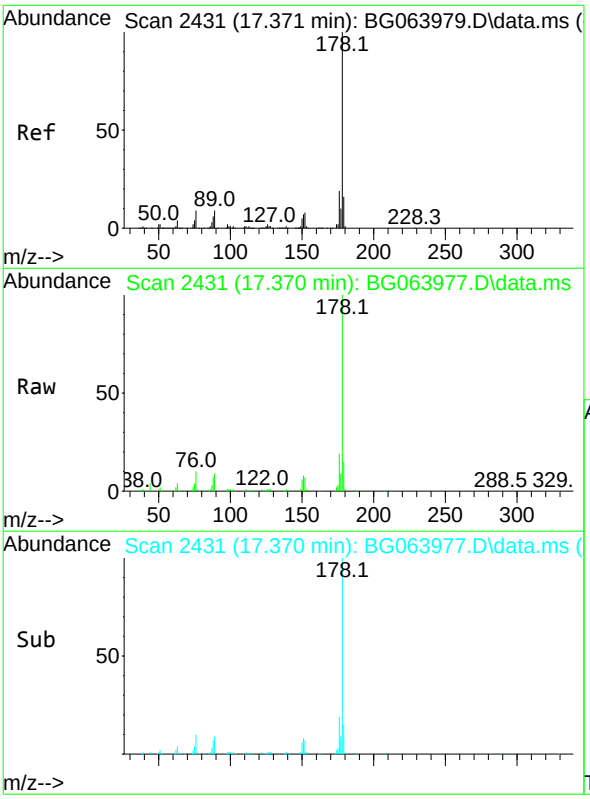
#71
Phenanthrene
Concen: 10.013 ng
RT: 17.276 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 189325

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.5	23.3
179	15.5	12.2	18.4

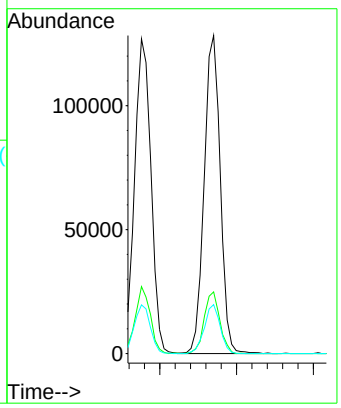


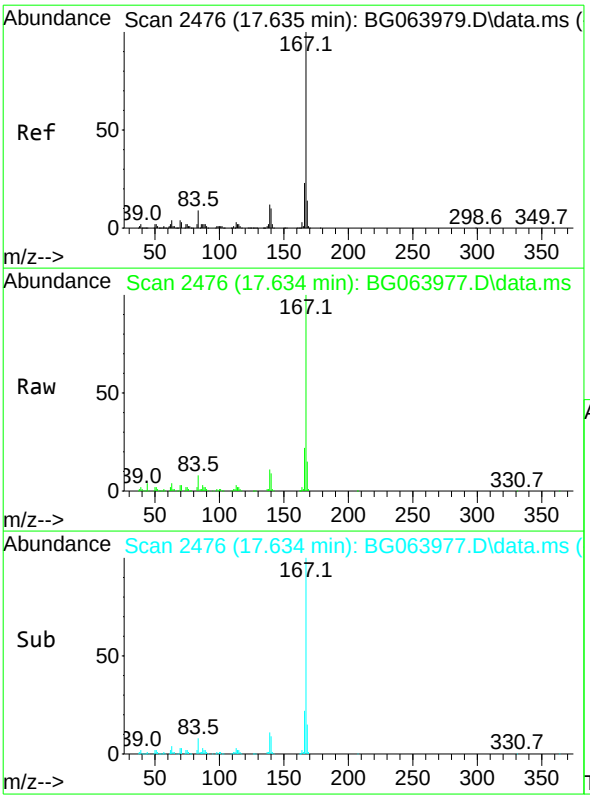


#72
Anthracene
Concen: 9.870 ng
RT: 17.370 min Scan# 2431
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:178 Resp: 186745

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	15.4	12.8	19.2



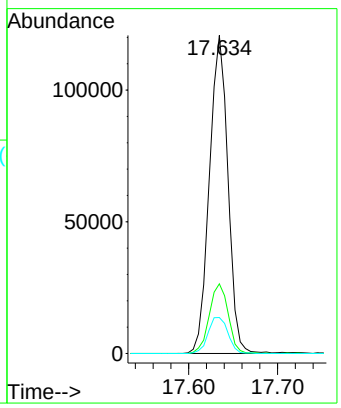


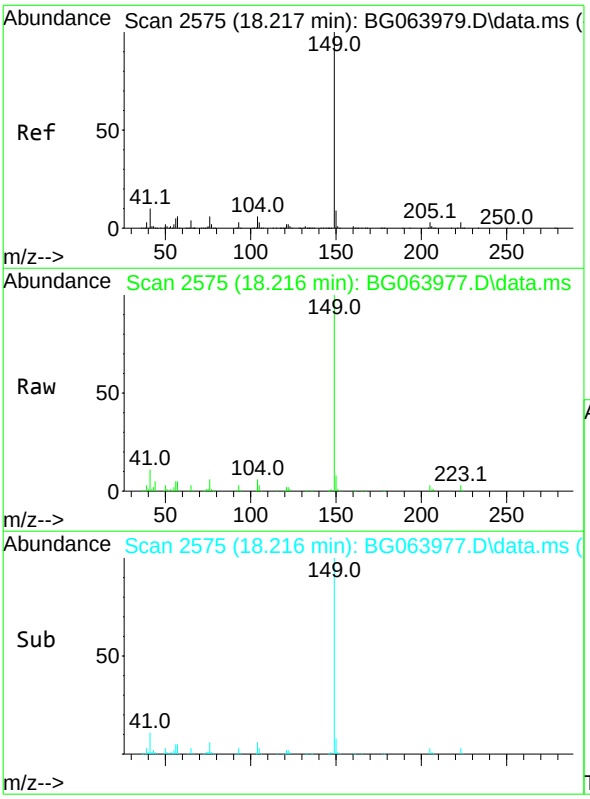
#73
Carbazole
Concen: 9.882 ng
RT: 17.634 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 175028

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.6	28.0
139	11.3	9.8	14.8

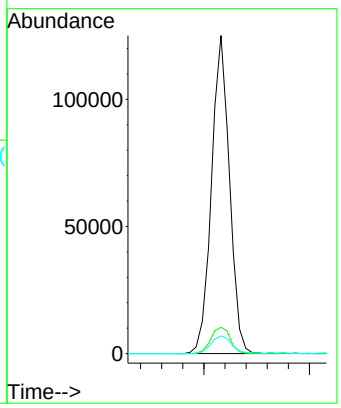


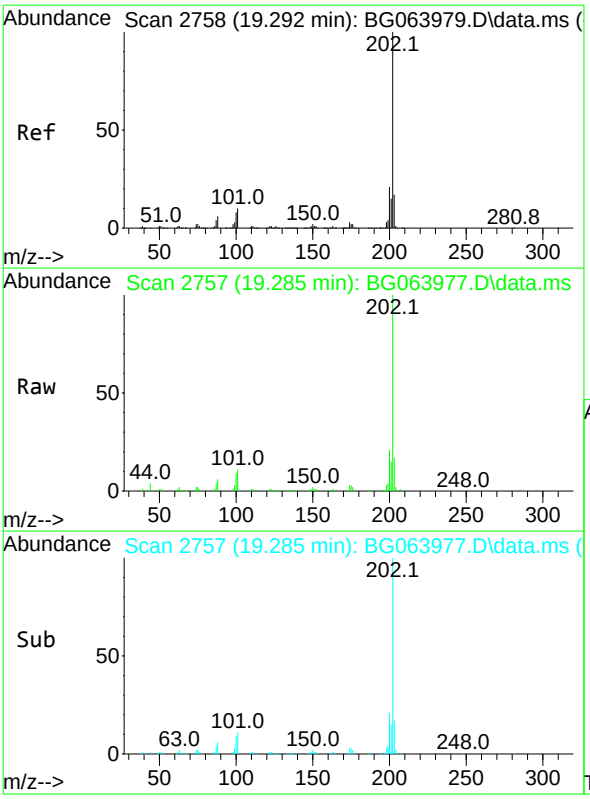


#74
Di-n-butylphthalate
Concen: 8.020 ng
RT: 18.216 min Scan# 2575
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:149 Resp: 148058

Ion	Ratio	Lower	Upper
149	100		
150	8.3	7.4	11.0
104	5.6	4.6	6.8



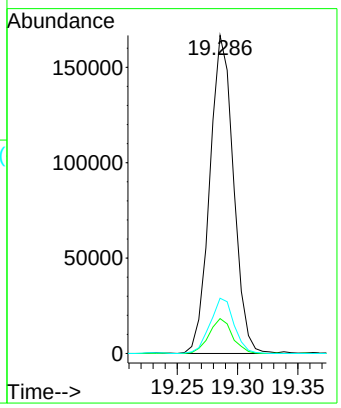


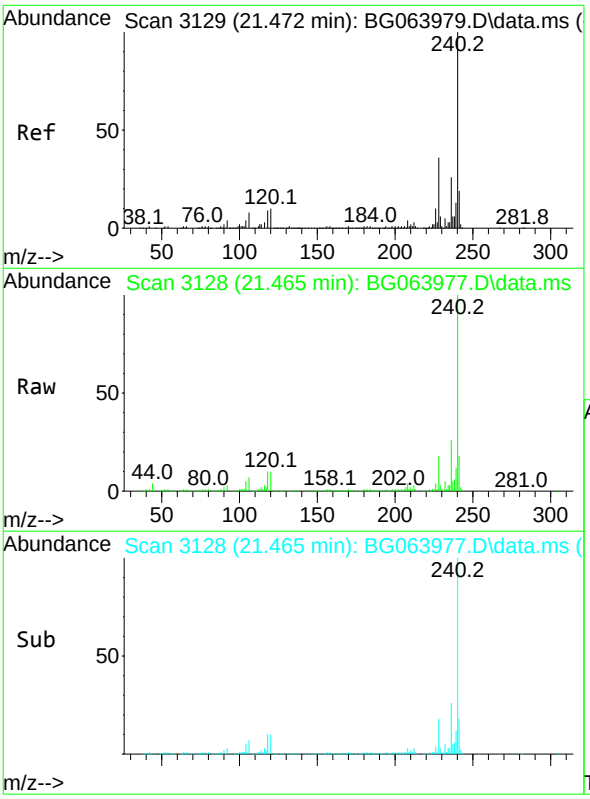
#75
Fluoranthene
Concen: 9.909 ng
RT: 19.285 min Scan# 27
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 228138

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.4
203	17.4	0.0	37.0

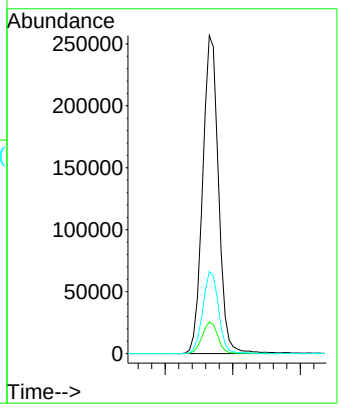


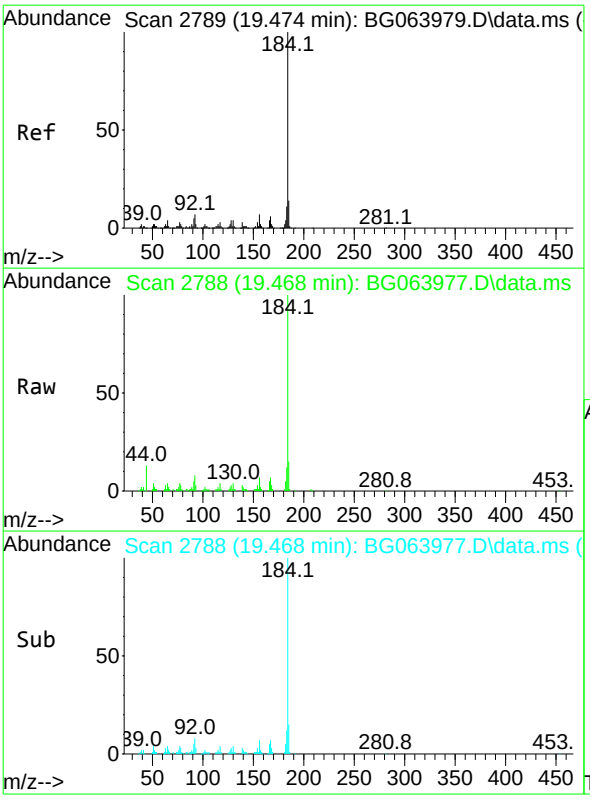


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.465 min Scan# 3128
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:240 Resp: 418756

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.9	11.9
236	25.8	21.0	31.6



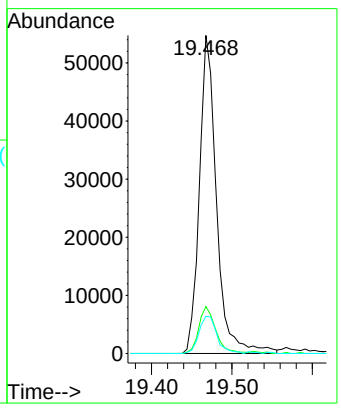


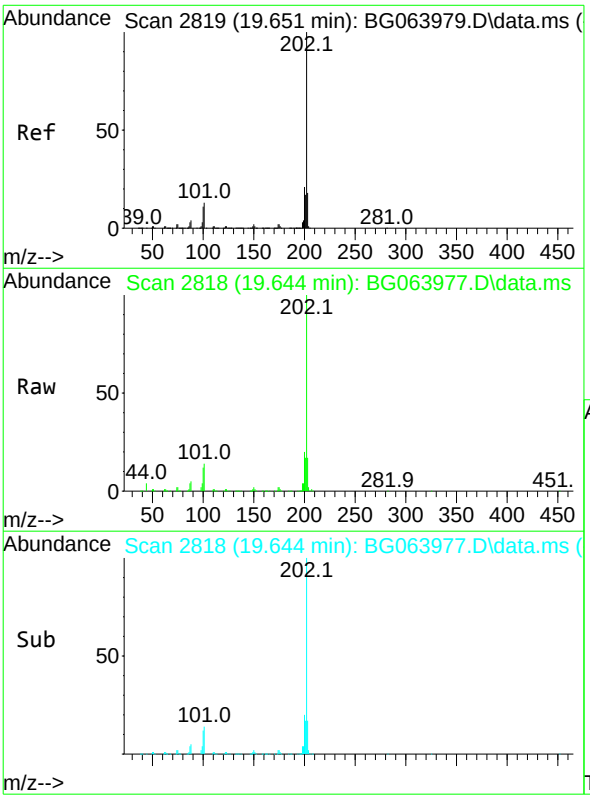
#77
Benzidine
Concen: 9.098 ng
RT: 19.468 min Scan# 27
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 81124

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.2	16.8
183	11.7	8.7	13.1

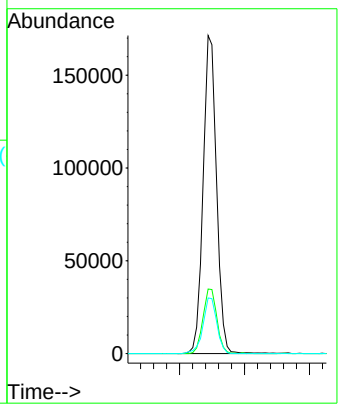


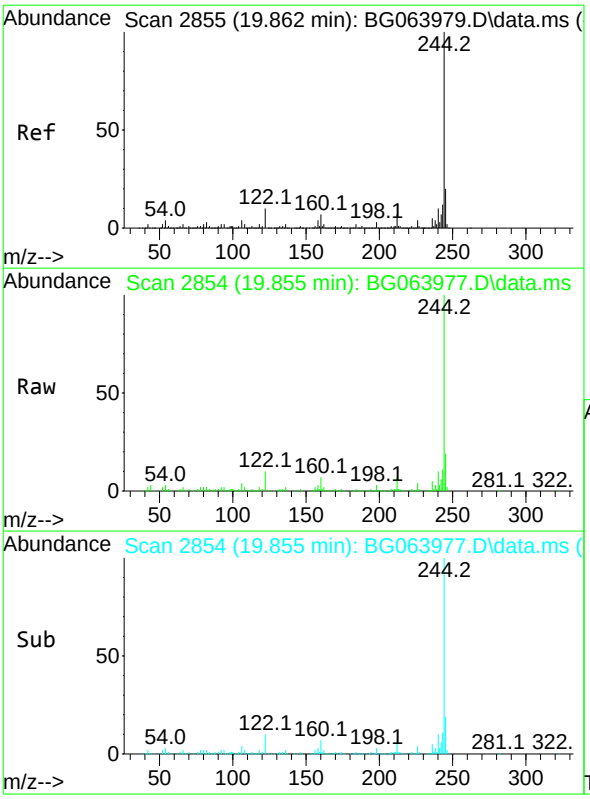


#78
Pyrene
Concen: 9.493 ng
RT: 19.644 min Scan# 2818
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:202 Resp: 245420

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.4
203	17.5	14.5	21.7



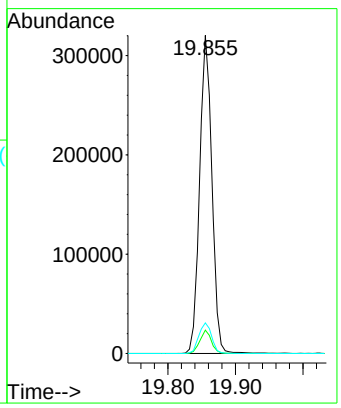


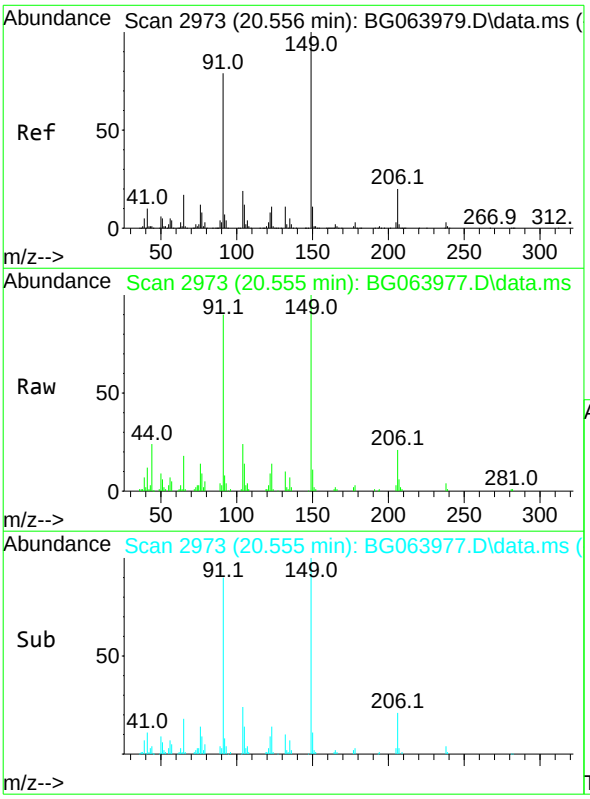
#79
Terphenyl-d14
Concen: 20.181 ng
RT: 19.855 min Scan# 28
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 404653

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.6	7.7	11.5

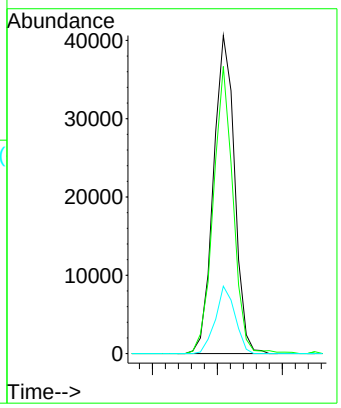


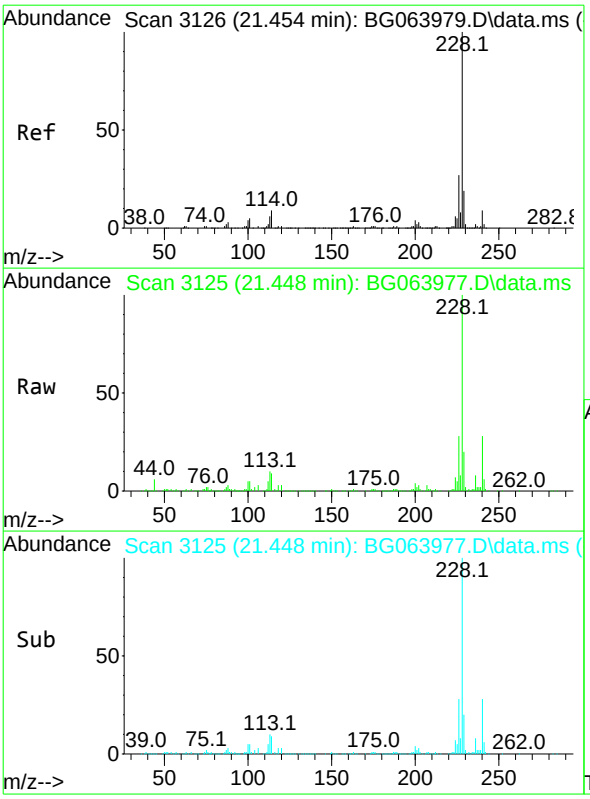


#80
Butylbenzylphthalate
Concen: 10.054 ng
RT: 20.555 min Scan# 2973
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:149 Resp: 45914

Ion	Ratio	Lower	Upper
149	100		
91	90.3	63.0	94.6
206	21.2	15.8	23.6



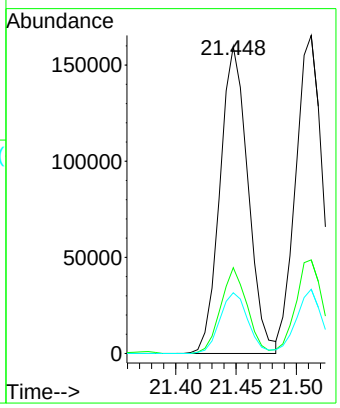


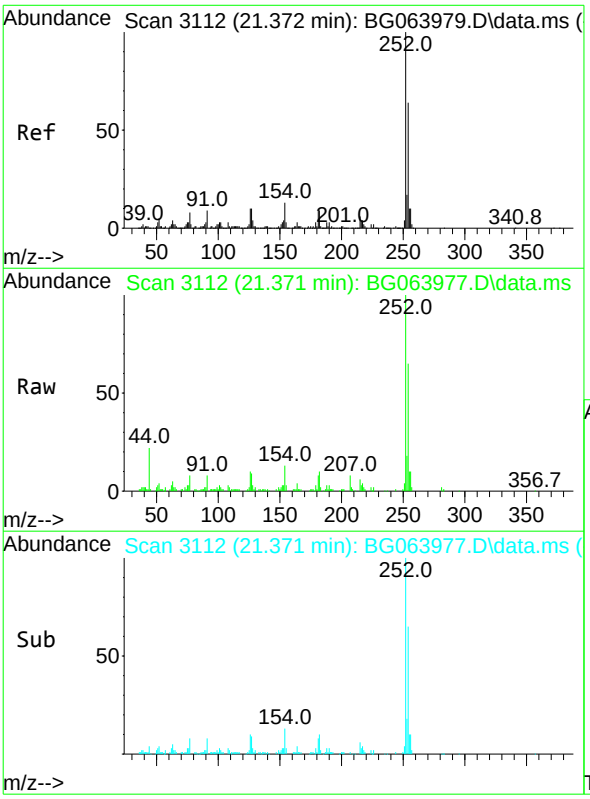
#81
Benzo(a)anthracene
Concen: 9.732 ng
RT: 21.448 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 258740

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	19.8	15.5	23.3

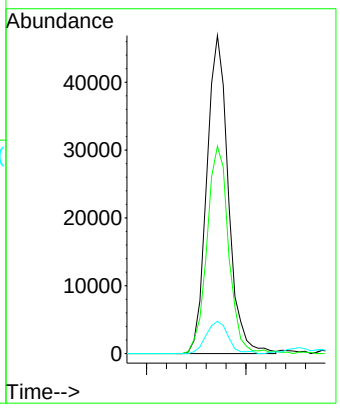


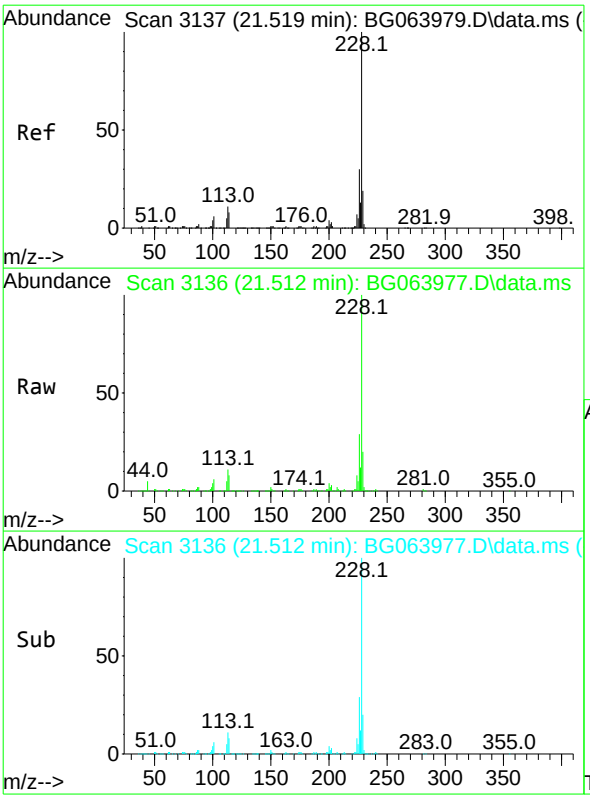


#82
3,3'-Dichlorobenzidine
Concen: 8.502 ng
RT: 21.371 min Scan# 3112
Delta R.T. -0.001 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:252 Resp: 70398

Ion	Ratio	Lower	Upper
252	100		
254	65.2	50.8	76.2
126	10.1	8.2	12.2



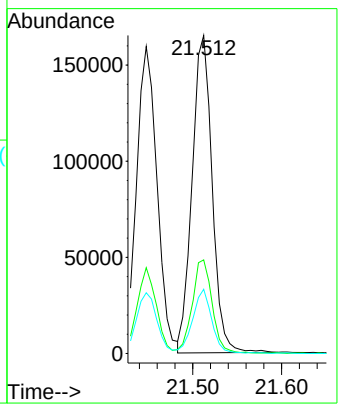


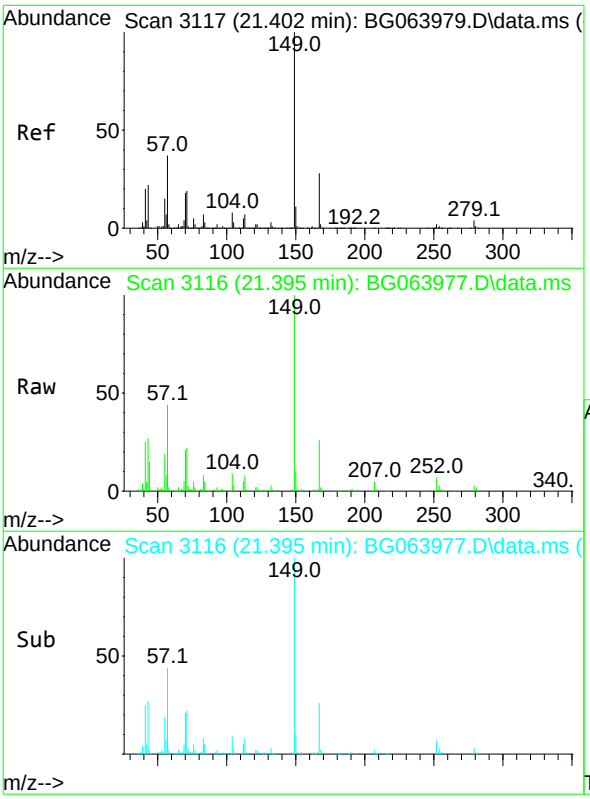
#83
Chrysene
Concen: 9.771 ng
RT: 21.512 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 258524

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.2
229	20.2	15.4	23.0

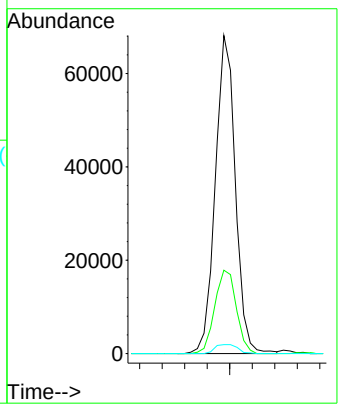


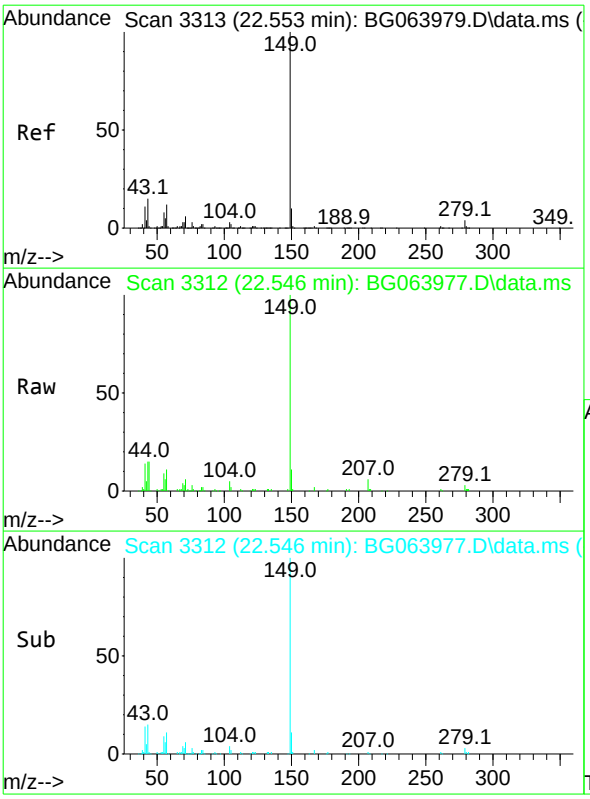


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.744 ng
RT: 21.395 min Scan# 3116
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:149 Resp: 84208

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.5	33.7
279	2.8	3.0	4.4#



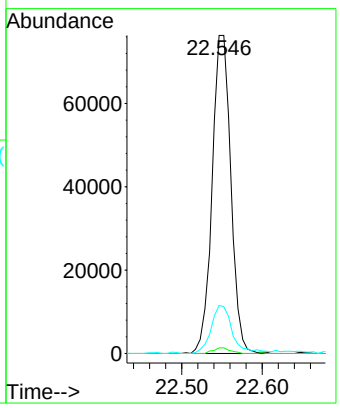


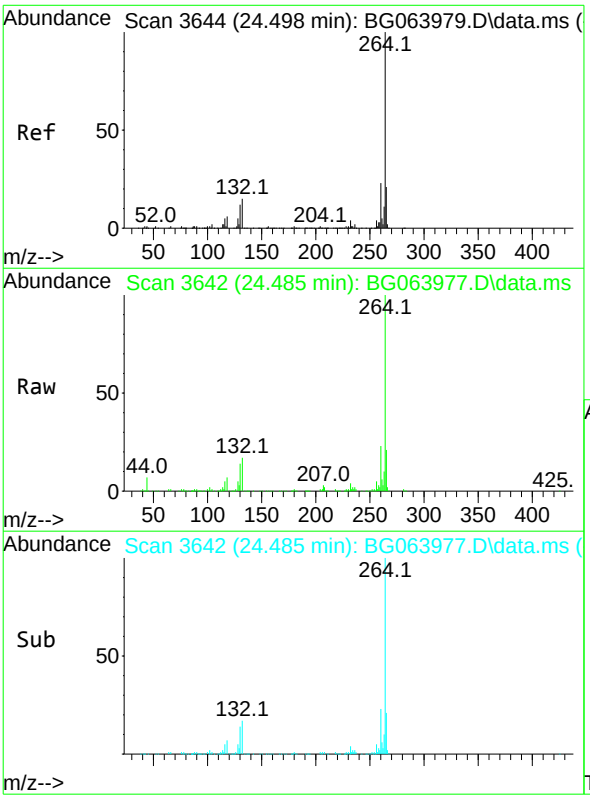
#85
Di-n-octyl phthalate
Concen: 11.390 ng
RT: 22.546 min Scan# 33
Delta R.T. -0.007 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 123216

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	17.3	12.3	18.5

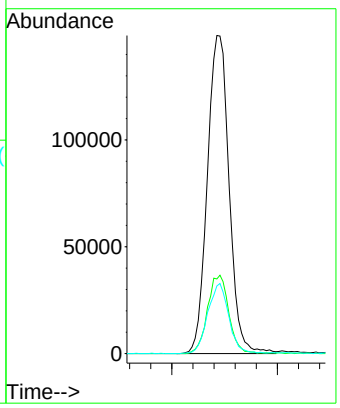


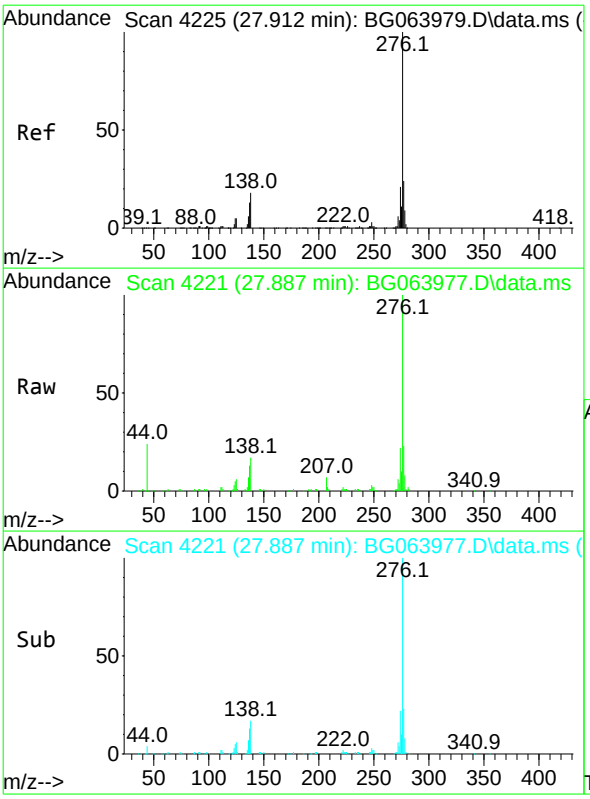


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.485 min Scan# 3642
Delta R.T. -0.013 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:264 Resp: 426385

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.3	16.6	24.8



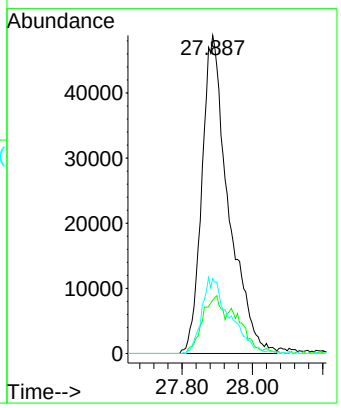


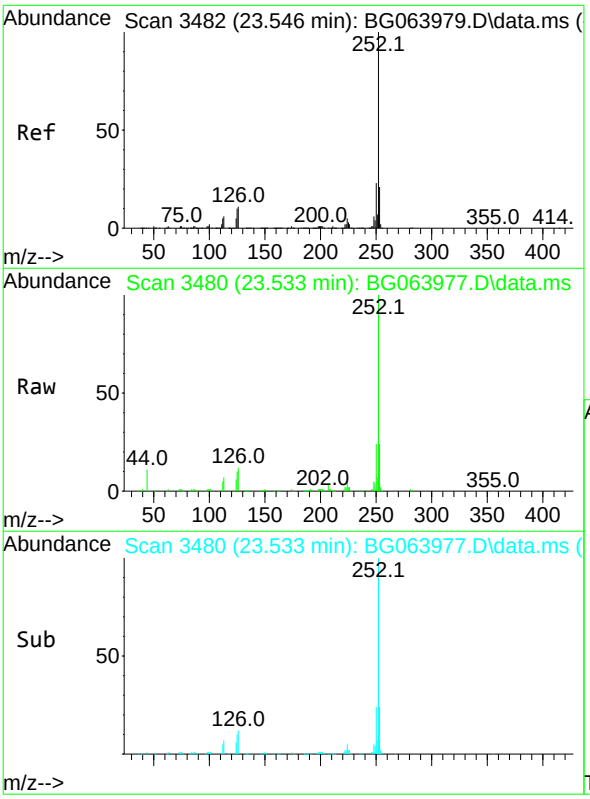
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.304 ng
RT: 27.887 min Scan# 42
Delta R.T. -0.024 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 255934

Ion	Ratio	Lower	Upper
276	100		
138	13.7	10.7	16.1
277	0.0	20.2	30.4#

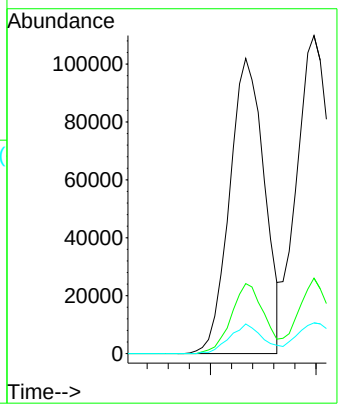


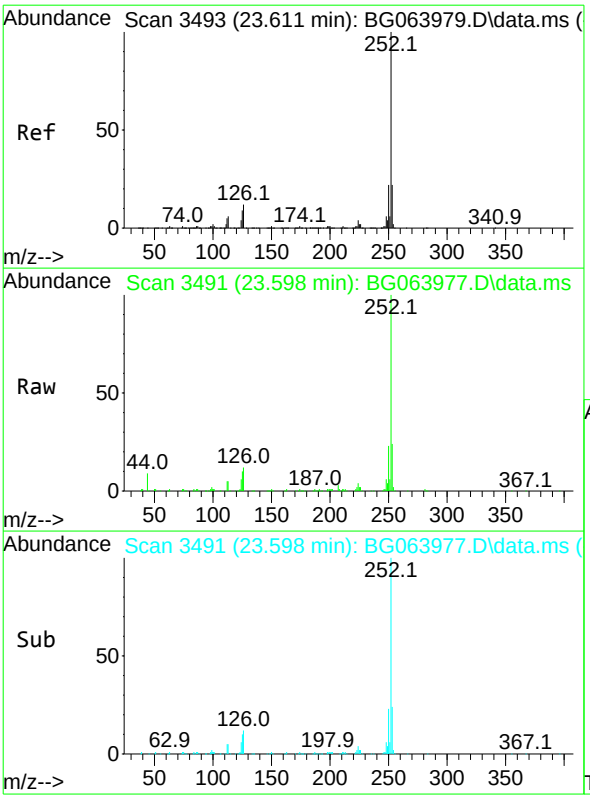


#88
Benzo(b)fluoranthene
Concen: 9.290 ng
RT: 23.533 min Scan# 3480
Delta R.T. -0.013 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:252 Resp: 233253

Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.9	25.3
125	10.0	7.9	11.9



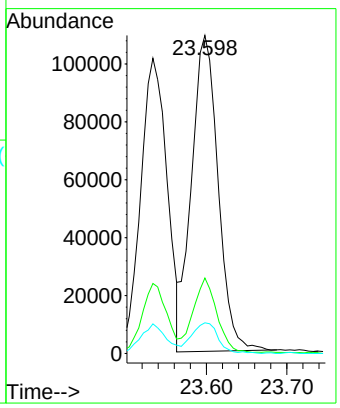


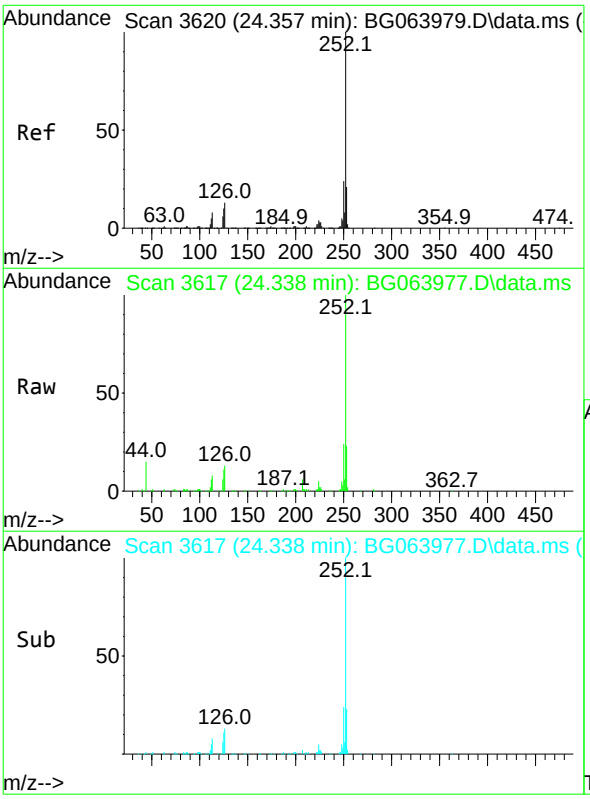
#89
Benzo(k)fluoranthene
Concen: 9.717 ng
RT: 23.598 min Scan# 34
Delta R.T. -0.013 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 250508

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	9.6	7.5	11.3

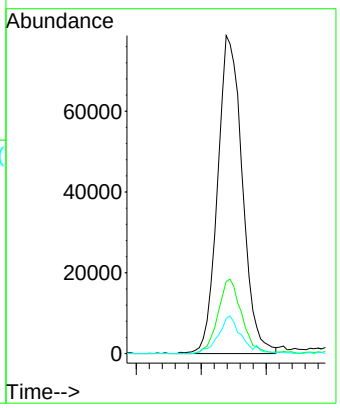


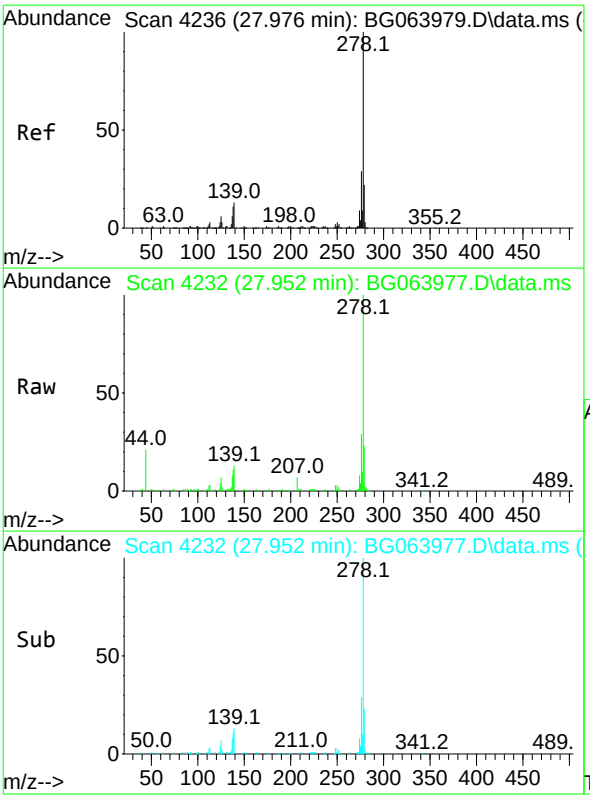


#90
Benzo(a)pyrene
Concen: 9.289 ng
RT: 24.338 min Scan# 3617
Delta R.T. -0.019 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:252 Resp: 208178

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	11.0	7.9	11.9



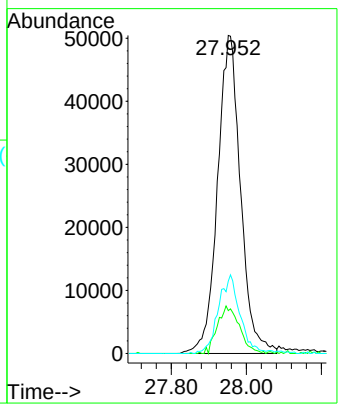


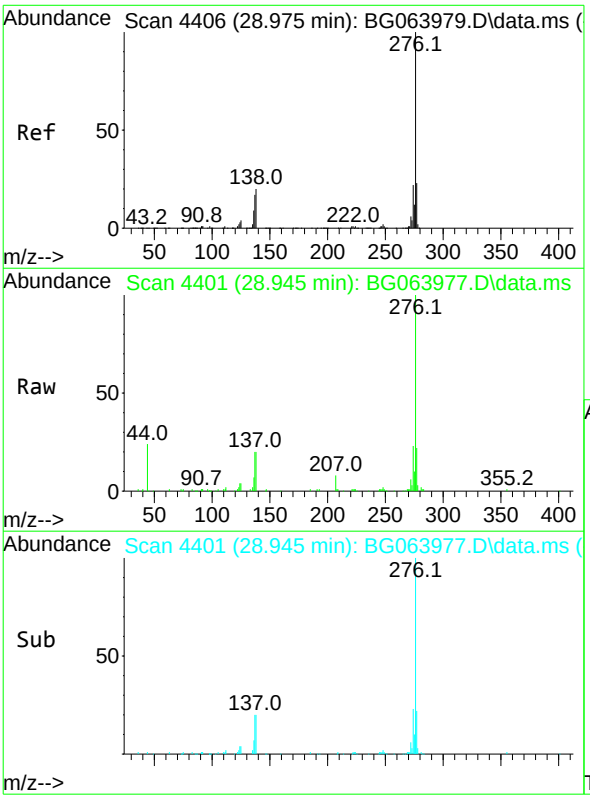
#91
Dibenzo(a,h)anthracene
Concen: 9.241 ng
RT: 27.952 min Scan# 42
Delta R.T. -0.024 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 214649

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.8	16.2
279	22.7	17.8	26.6

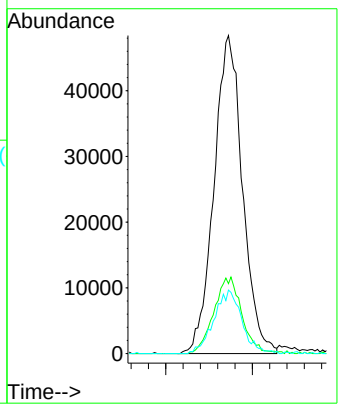




#92
Benzo(g,h,i)perylene
Concen: 9.450 ng
RT: 28.945 min Scan# 4401
Delta R.T. -0.030 min
Lab File: BG063977.D
Acq: 3 Feb 2025 12:33

Tgt Ion:276 Resp: 221598

Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.2	27.4
138	20.0	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063978.D
Acq On : 3 Feb 2025 13:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Quant Time: Feb 04 02:46:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.879	152	62771	20.000	ng		0.00
21) Naphthalene-d8	10.664	136	276061	20.000	ng		0.00
39) Acenaphthene-d10	14.500	164	177325	20.000	ng		0.00
64) Phenanthrene-d10	17.238	188	389300	20.000	ng		0.00
76) Chrysene-d12	21.468	240	414344	20.000	ng		0.00
86) Perylene-d12	24.494	264	439096	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.464	112	158814	40.565	ng		0.00
7) Phenol-d6	7.038	99	219422	40.840	ng		0.00
23) Nitrobenzene-d5	9.024	82	161789	35.618	ng		0.00
42) 2,4,6-Tribromophenol	15.981	330	55855	39.360	ng		0.00
45) 2-Fluorobiphenyl	13.125	172	491443	42.462	ng		0.00
79) Terphenyl-d14	19.859	244	847728	42.729	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.401	88	38956	20.952	ng		97
3) Pyridine	3.783	79	101526	20.213	ng		96
4) n-Nitrosodimethylamine	3.701	42	58345	20.210	ng		98
6) Aniline	7.203	93	114398	19.869	ng		95
8) 2-Chlorophenol	7.438	128	80101	20.079	ng		95
9) Benzaldehyde	7.015	77	70232	23.945	ng		93
10) Phenol	7.062	94	114453	20.237	ng		97
11) bis(2-Chloroethyl)ether	7.303	93	92821	20.382	ng		99
12) 1,3-Dichlorobenzene	7.767	146	98456	20.740	ng		97
13) 1,4-Dichlorobenzene	7.914	146	98337	20.511	ng		98
14) 1,2-Dichlorobenzene	8.225	146	93868	20.428	ng		96
15) Benzyl Alcohol	8.108	79	79967	19.913	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.407	45	185426	20.220	ng		98
17) 2-Methylphenol	8.307	107	73018	19.963	ng		93
18) Hexachloroethane	8.960	117	30637	19.417	ng		97
19) n-Nitroso-di-n-propyla...	8.678	70	75153	20.199	ng	#	98
20) 3+4-Methylphenols	8.631	107	96764	19.857	ng		96
22) Acetophenone	8.689	105	154296	20.342	ng		98
24) Nitrobenzene	9.065	77	88469	19.332	ng		96
25) Isophorone	9.588	82	195202	19.824	ng		98
26) 2-Nitrophenol	9.776	139	15461	21.118	ng		96
27) 2,4-Dimethylphenol	9.835	122	56417	19.918	ng		93
28) bis(2-Chloroethoxy)met...	10.076	93	124514	19.873	ng		97
29) 2,4-Dichlorophenol	10.305	162	66869	19.389	ng		97
30) 1,2,4-Trichlorobenzene	10.528	180	94134	20.229	ng		97
31) Naphthalene	10.716	128	296389	20.025	ng		99
32) Benzoic acid	9.929	122	21958m	19.940	ng		
33) 4-Chloroaniline	10.816	127	110000	19.398	ng		99
34) Hexachlorobutadiene	11.010	225	59011	19.913	ng		94
35) Caprolactam	11.557	113	21973	18.806	ng		96
36) 4-Chloro-3-methylphenol	11.933	107	88975	19.625	ng		97
37) 2-Methylnaphthalene	12.320	142	207371	20.106	ng		99
38) 1-Methylnaphthalene	12.538	142	200846	19.680	ng	#	98
40) 1,2,4,5-Tetrachloroben...	12.691	216	109966	21.029	ng		99
41) Hexachlorocyclopentadiene	12.679	237	24866	17.626	ng		91
43) 2,4,6-Trichlorophenol	12.926	196	50322	19.597	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063978.D
Acq On : 3 Feb 2025 13:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Quant Time: Feb 04 02:46:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.996	196	59907	19.845	ng		96
46) 1,1'-Biphenyl	13.331	154	281204	20.828	ng		99
47) 2-Chloronaphthalene	13.372	162	207458	21.082	ng		98
48) 2-Nitroaniline	13.566	65	37736	19.279	ng		94
49) Acenaphthylene	14.218	152	319503	20.903	ng		99
50) Dimethylphthalate	13.960	163	241023	20.500	ng		99
51) 2,6-Dinitrotoluene	14.065	165	32857	19.234	ng		93
52) Acenaphthene	14.565	154	212259	20.703	ng		98
53) 3-Nitroaniline	14.394	138	39417	18.777	ng	#	98
54) 2,4-Dinitrophenol	14.594	184	7789	21.705	ng		94
55) Dibenzofuran	14.900	168	347679	20.884	ng		96
56) 4-Nitrophenol	14.688	139	27662	19.316	ng		92
57) 2,4-Dinitrotoluene	14.853	165	39756	18.726	ng		94
58) Fluorene	15.546	166	263572	20.484	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.117	232	53019	19.371	ng		98
60) Diethylphthalate	15.323	149	251009	20.136	ng		99
61) 4-Chlorophenyl-phenyle...	15.546	204	134757	20.873	ng		99
62) 4-Nitroaniline	15.546	138	44329	18.566	ng		96
63) Azobenzene	15.834	77	298615	20.282	ng		98
65) 4,6-Dinitro-2-methylph...	15.611	198	12197	20.379	ng		95
66) n-Nitrosodiphenylamine	15.752	169	224114	20.763	ng		98
67) 4-Bromophenyl-phenylether	16.433	248	78770	20.328	ng		97
68) Hexachlorobenzene	16.545	284	93475	20.519	ng		96
69) Atrazine	16.703	200	72124	20.079	ng		98
70) Pentachlorophenol	16.886	266	37635	19.961	ng		91
71) Phenanthrene	17.279	178	419431	20.513	ng		98
72) Anthracene	17.367	178	414489	20.259	ng		100
73) Carbazole	17.638	167	392636	20.500	ng		98
74) Di-n-butylphthalate	18.219	149	399305	20.001	ng		99
75) Fluoranthene	19.289	202	506855	20.357	ng		100
77) Benzidine	19.471	184	196204	22.237	ng		97
78) Pyrene	19.647	202	543017	21.229	ng		97
80) Butylbenzylphthalate	20.558	149	136121	19.032	ng		95
81) Benzo(a)anthracene	21.451	228	543443	20.658	ng		99
82) 3,3'-Dichlorobenzidine	21.375	252	174352	21.282	ng		95
83) Chrysene	21.515	228	551557	21.068	ng		100
84) Bis(2-ethylhexyl)phtha...	21.398	149	238172	19.549	ng		96
85) Di-n-octyl phthalate	22.555	149	361674	20.139	ng		99
87) Indeno(1,2,3-cd)pyrene	27.908	276	579009	20.440	ng		99
88) Benzo(b)fluoranthene	23.543	252	545931	21.114	ng		99
89) Benzo(k)fluoranthene	23.607	252	523492	19.718	ng		99
90) Benzo(a)pyrene	24.353	252	473300	20.508	ng		100
91) Dibenzo(a,h)anthracene	27.973	278	486050	20.320	ng		98
92) Benzo(g,h,i)perylene	28.966	276	497129	20.587	ng		98

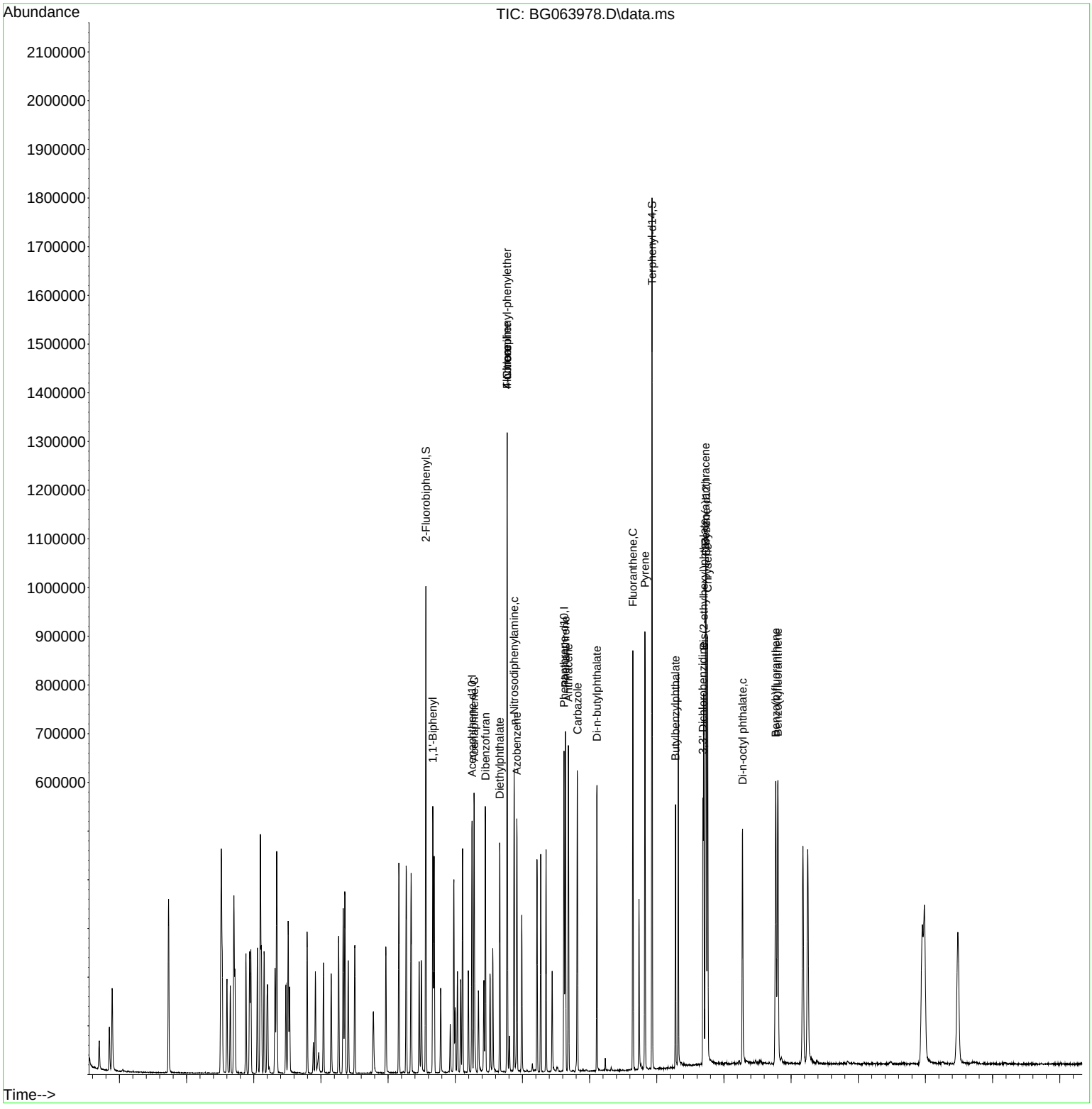
(#) = qualifier out of range (m) = manual integration (+) = signals summed

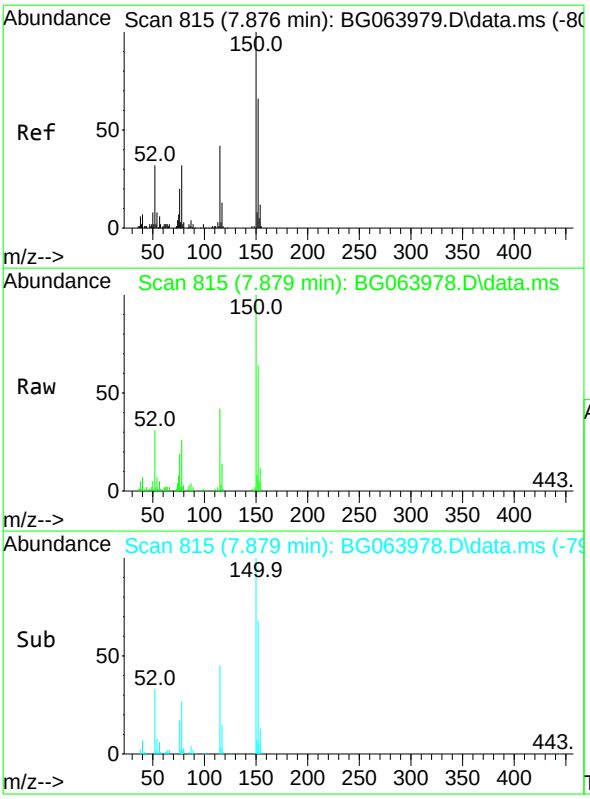
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063978.D
Acq On : 3 Feb 2025 13:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Quant Time: Feb 04 02:46:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration



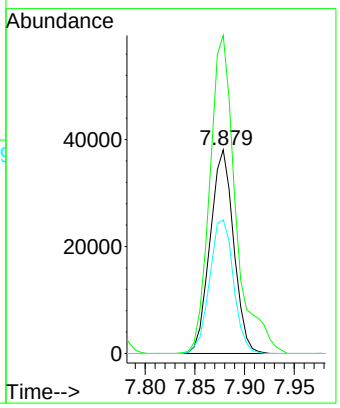


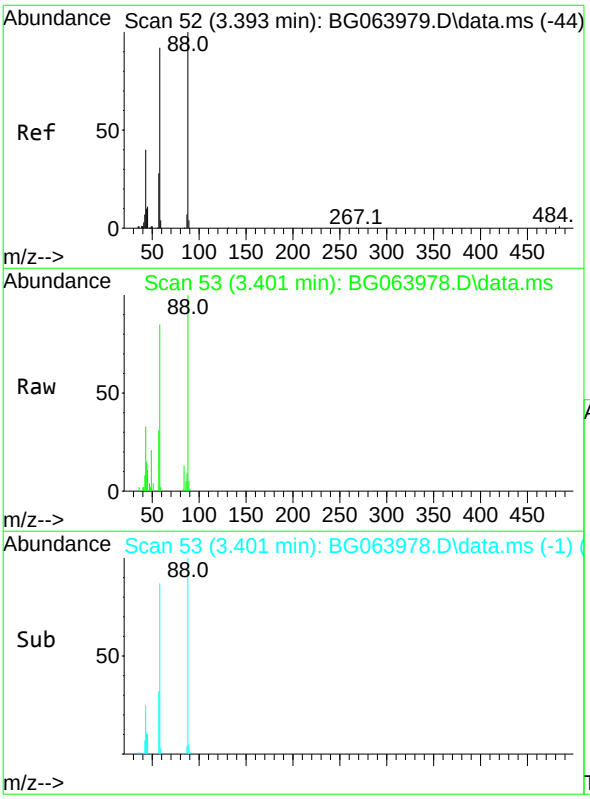
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.879 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 62771

Ion	Ratio	Lower	Upper
152	100		
150	156.2	121.0	181.6
115	65.6	50.4	75.6

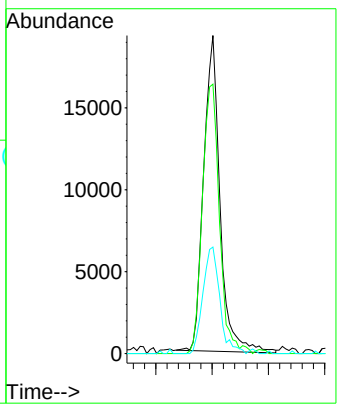


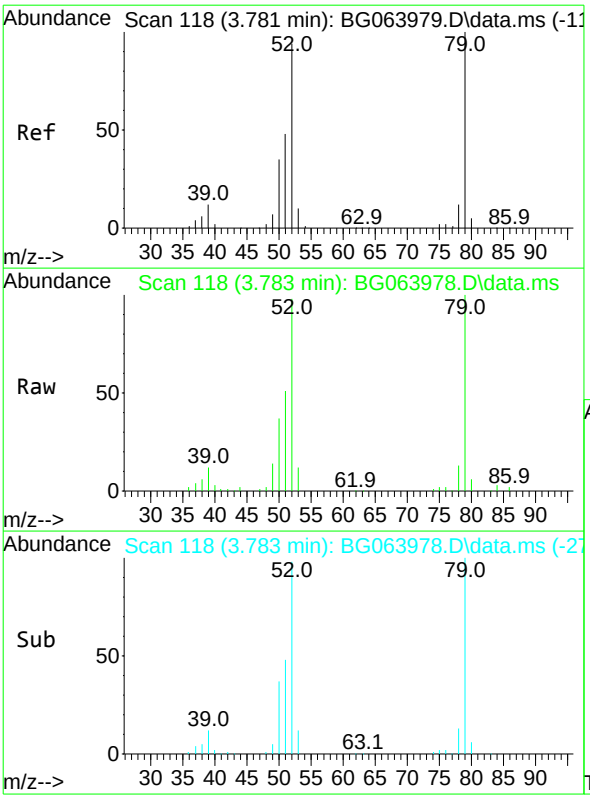


#2
1,4-Dioxane
Concen: 20.952 ng
RT: 3.401 min Scan# 53
Delta R.T. 0.008 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 88 Resp: 38956

Ion	Ratio	Lower	Upper
88	100		
58	88.8	71.8	107.8
43	34.8	31.2	46.8



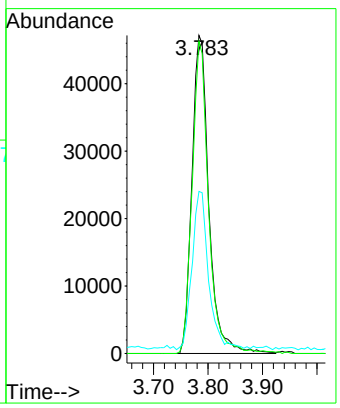


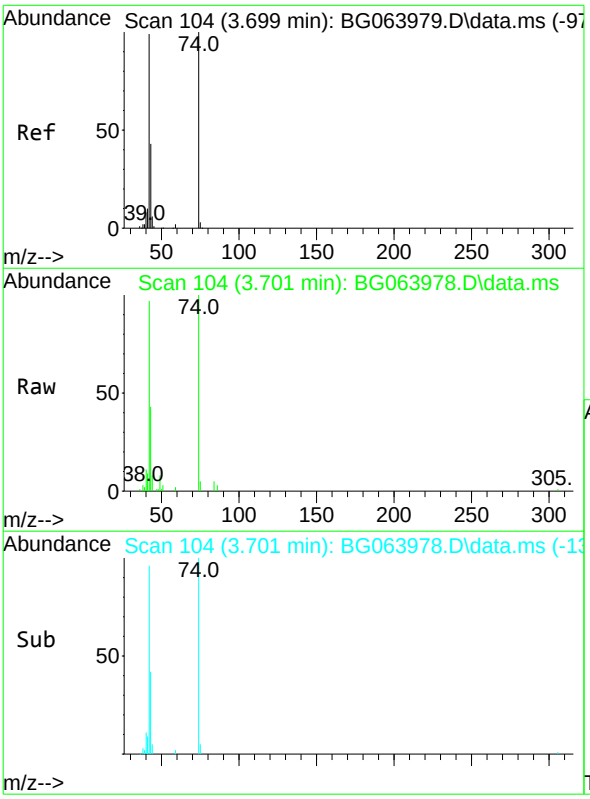
#3
Pyridine
Concen: 20.213 ng
RT: 3.783 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 101526

Ion	Ratio	Lower	Upper
79	100		
52	98.0	75.1	112.7
51	51.0	38.9	58.3

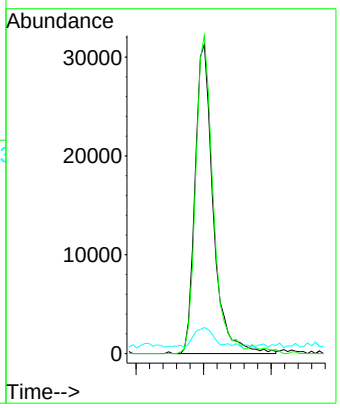


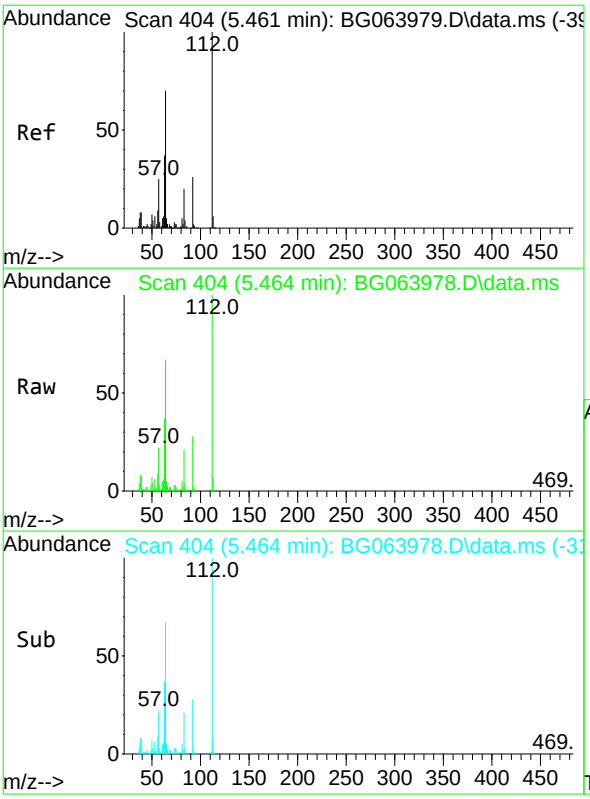


#4
n-Nitrosodimethylamine
Concen: 20.210 ng
RT: 3.701 min Scan# 104
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 42 Resp: 58345

Ion	Ratio	Lower	Upper
42	100		
74	103.0	80.8	121.2
44	8.4	5.8	8.6



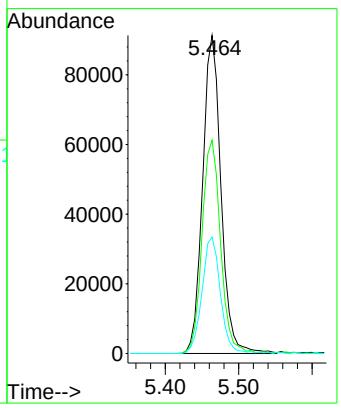


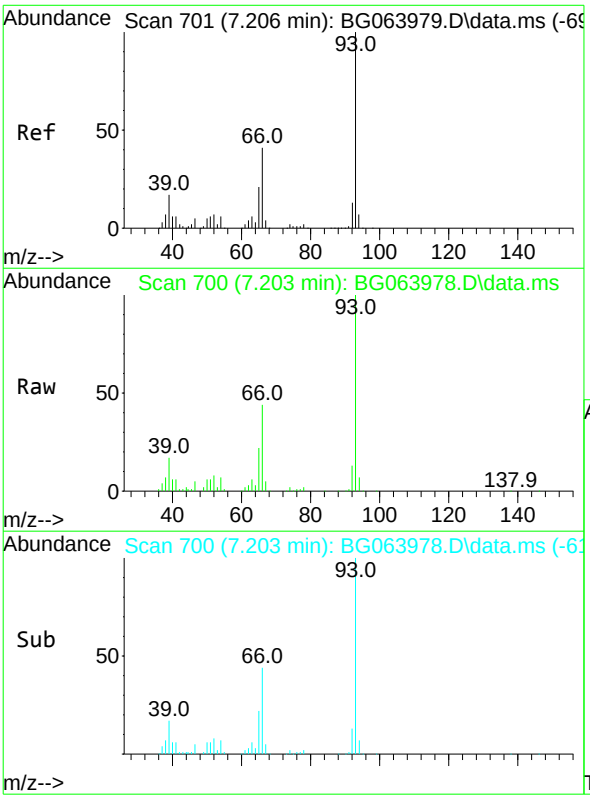
#5
2-Fluorophenol
Concen: 40.565 ng
RT: 5.464 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 158814

Ion	Ratio	Lower	Upper
112	100		
64	67.1	55.8	83.8
63	36.6	29.3	43.9

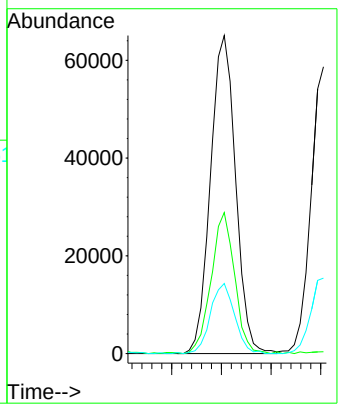


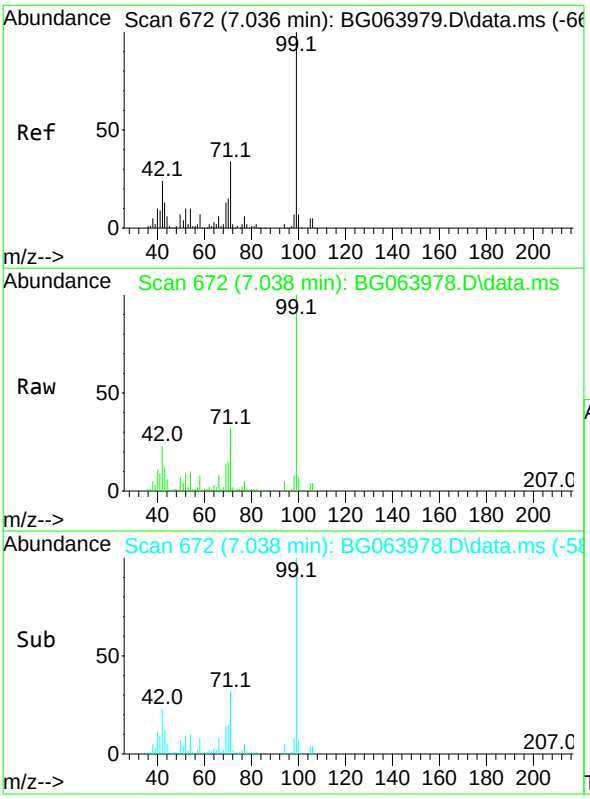


#6
Aniline
Concen: 19.869 ng
RT: 7.203 min Scan# 700
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 93 Resp: 114398

Ion	Ratio	Lower	Upper
93	100		
66	44.3	32.5	48.7
65	22.0	16.6	25.0



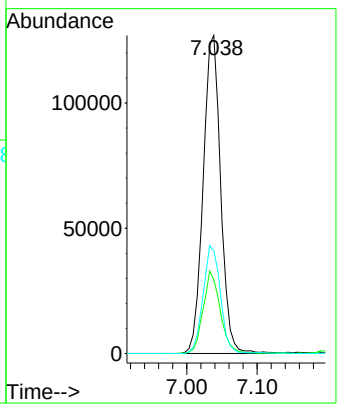


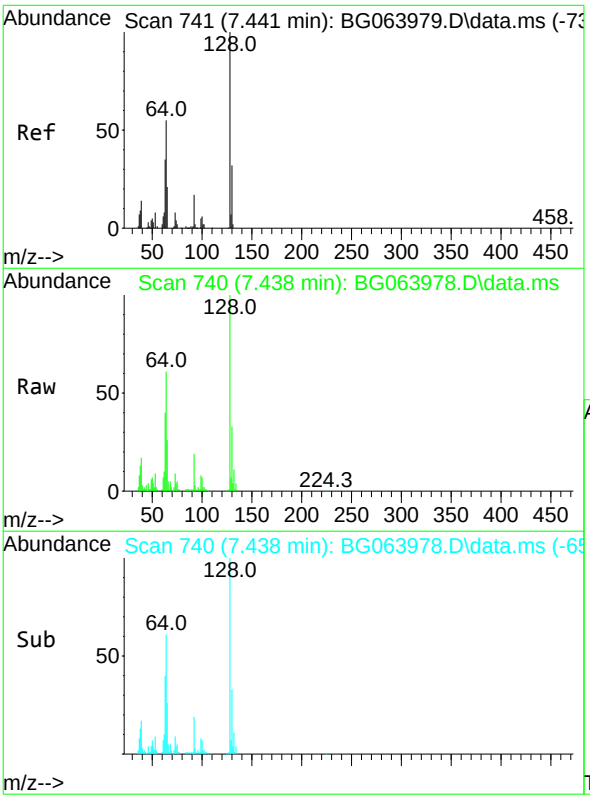
#7
Phenol-d6
Concen: 40.840 ng
RT: 7.038 min Scan# 67
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 219422

Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.9	28.3
71	32.3	27.0	40.6

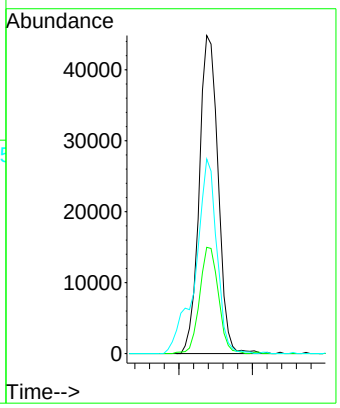


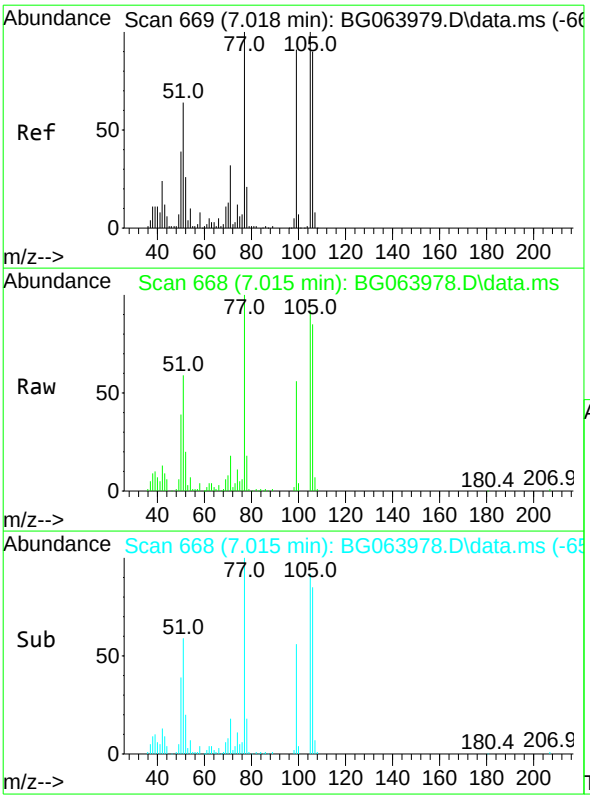


#8
2-Chlorophenol
Concen: 20.079 ng
RT: 7.438 min Scan# 740
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:128 Resp: 80101

Ion	Ratio	Lower	Upper
128	100		
130	33.4	11.9	51.9
64	61.2	36.8	76.8



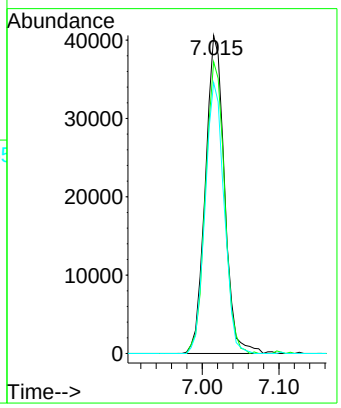


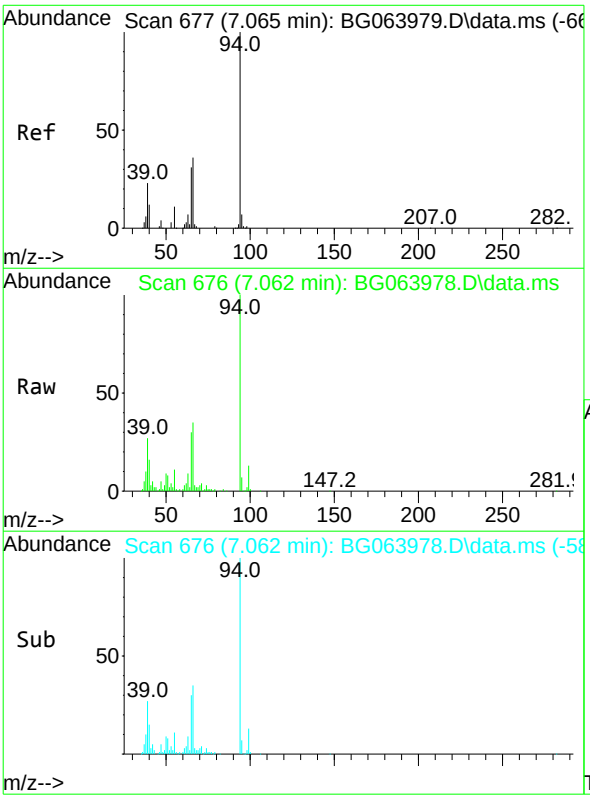
#9
Benzaldehyde
Concen: 23.945 ng
RT: 7.015 min Scan# 66
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 70232

Ion	Ratio	Lower	Upper
77	100		
105	91.7	79.8	119.8
106	85.1	69.9	109.9

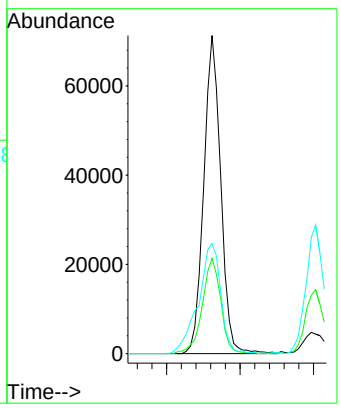


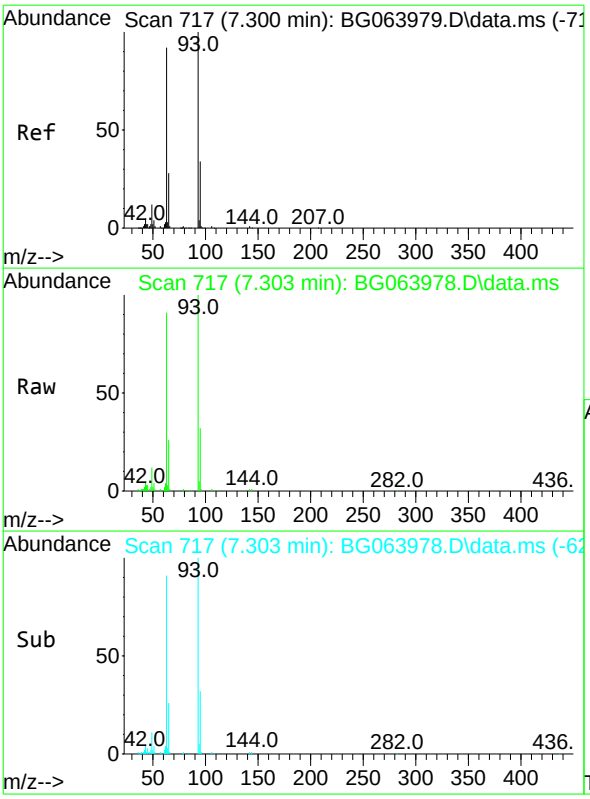


#10
Phenol
Concen: 20.237 ng
RT: 7.062 min Scan# 676
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 94 Resp: 114453

Ion	Ratio	Lower	Upper
94	100		
65	30.0	11.4	51.4
66	34.6	16.7	56.7



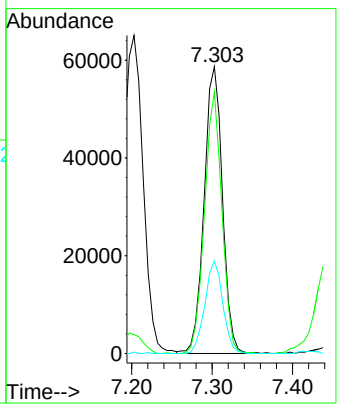


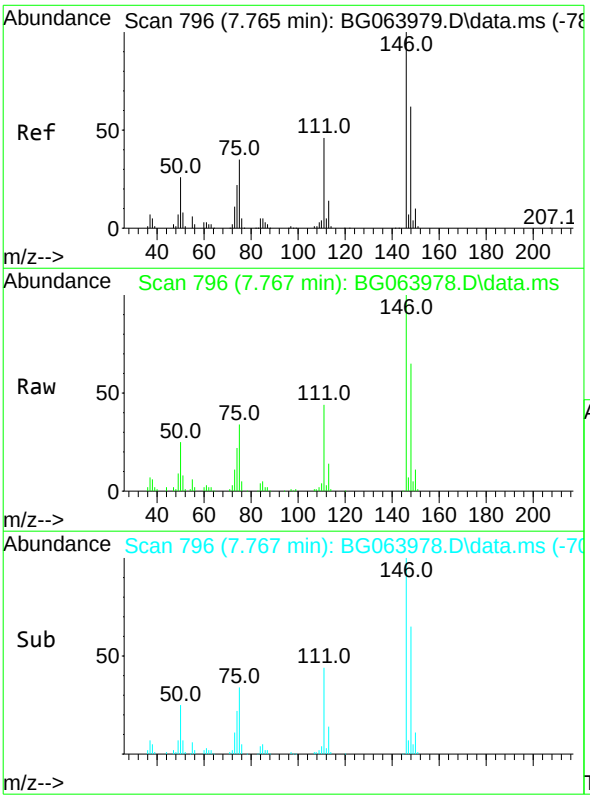
#11
bis(2-Chloroethyl)ether
Concen: 20.382 ng
RT: 7.303 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 92821

Ion	Ratio	Lower	Upper
93	100		
63	91.2	71.2	111.2
95	32.3	13.9	53.9

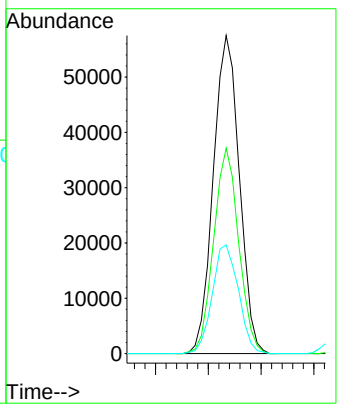


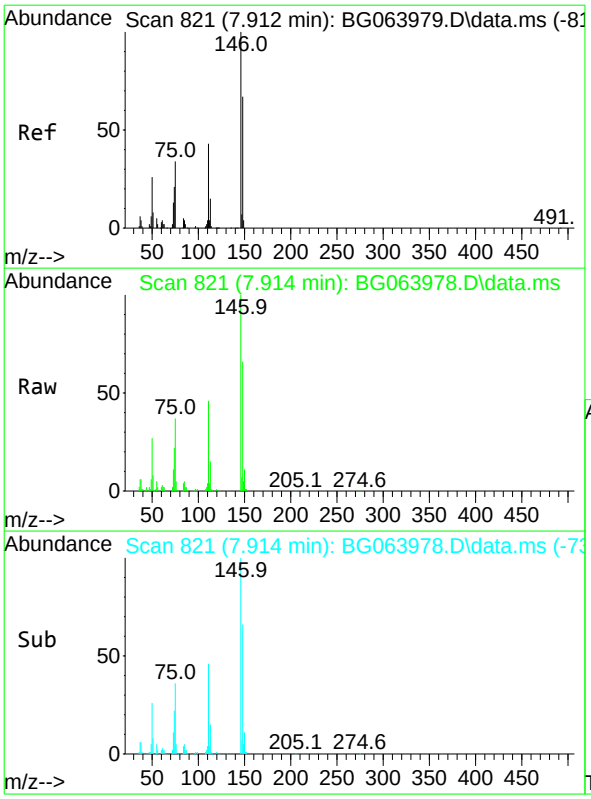


#12
1,3-Dichlorobenzene
Concen: 20.740 ng
RT: 7.767 min Scan# 796
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:146 Resp: 98456

Ion	Ratio	Lower	Upper
146	100		
148	64.6	49.6	74.4
75	34.2	27.8	41.8



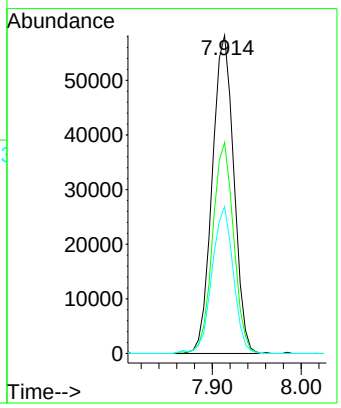


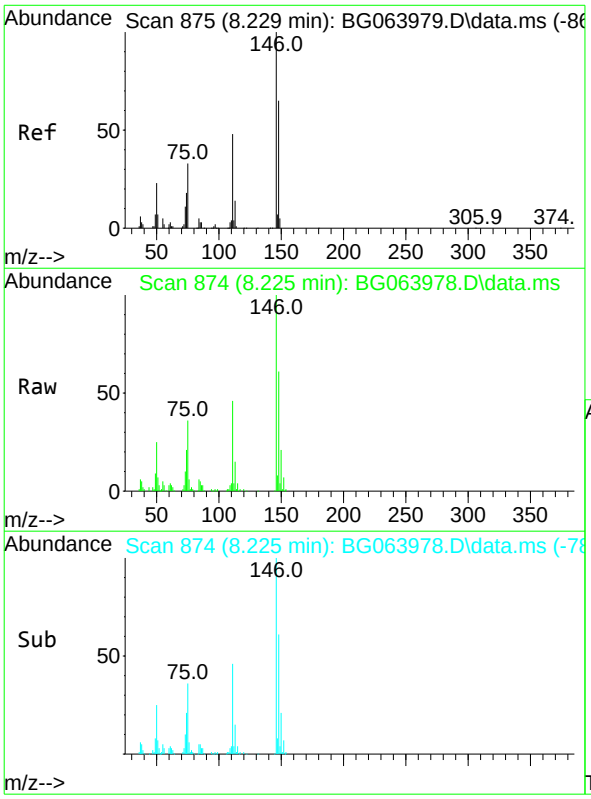
#13
1,4-Dichlorobenzene
Concen: 20.511 ng
RT: 7.914 min Scan# 82
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 98337

Ion	Ratio	Lower	Upper
146	100		
148	66.3	53.3	79.9
111	46.2	34.8	52.2

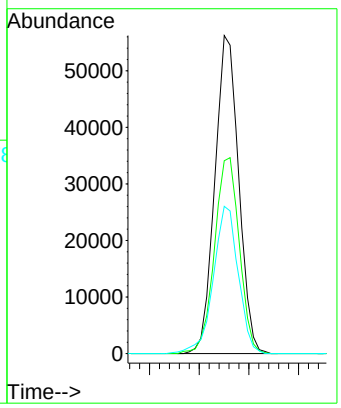


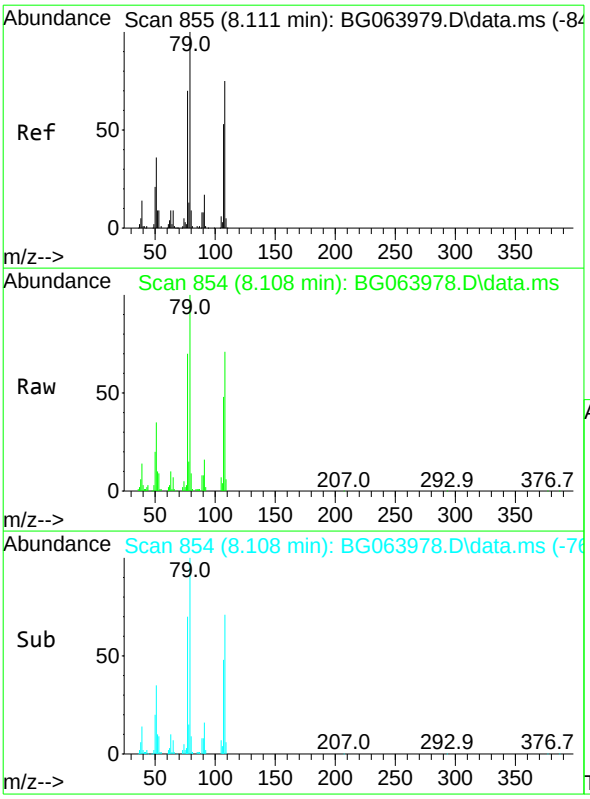


#14
1,2-Dichlorobenzene
Concen: 20.428 ng
RT: 8.225 min Scan# 874
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:146 Resp: 93868

Ion	Ratio	Lower	Upper
146	100		
148	60.6	52.0	78.0
111	46.3	38.2	57.2



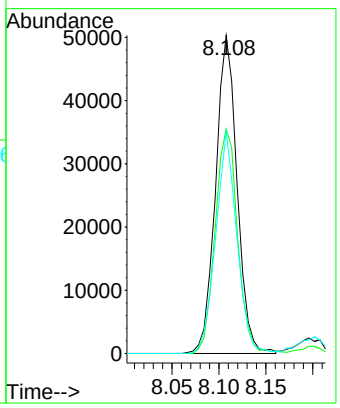


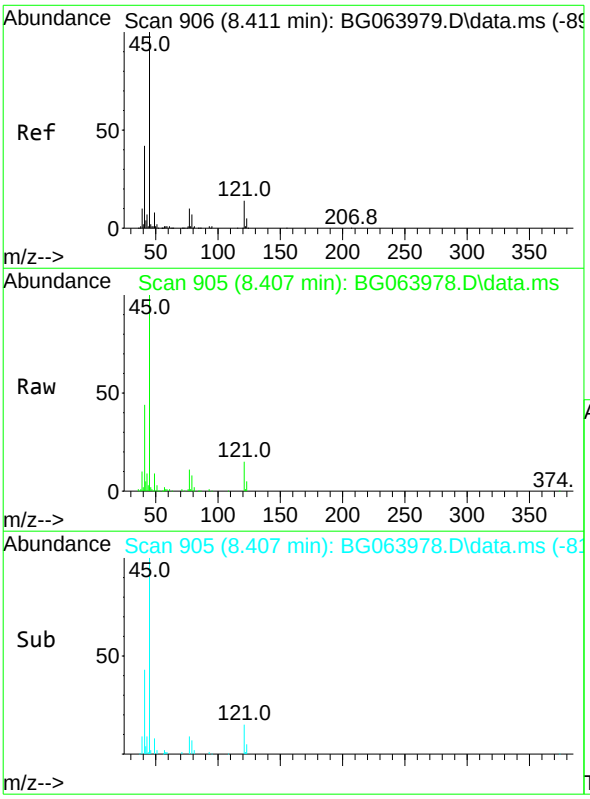
#15
Benzyl Alcohol
Concen: 19.913 ng
RT: 8.108 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 79967

Ion	Ratio	Lower	Upper
79	100		
108	70.6	60.3	90.5
77	69.8	55.8	83.8

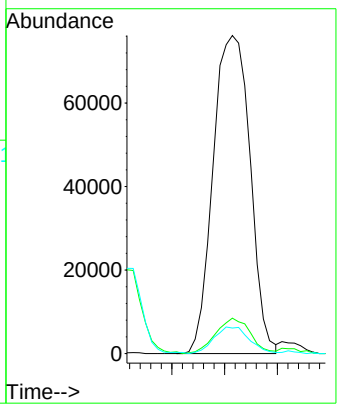


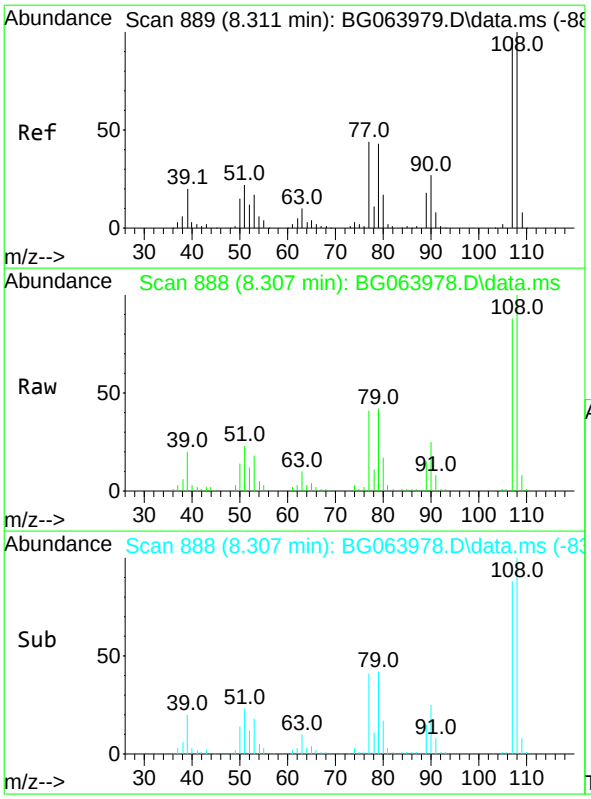


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.220 ng
RT: 8.407 min Scan# 905
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 45 Resp: 185426

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	29.8
79	8.0	0.0	27.7



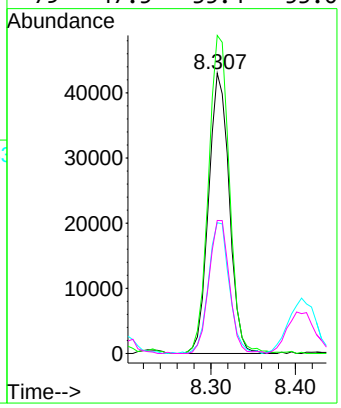


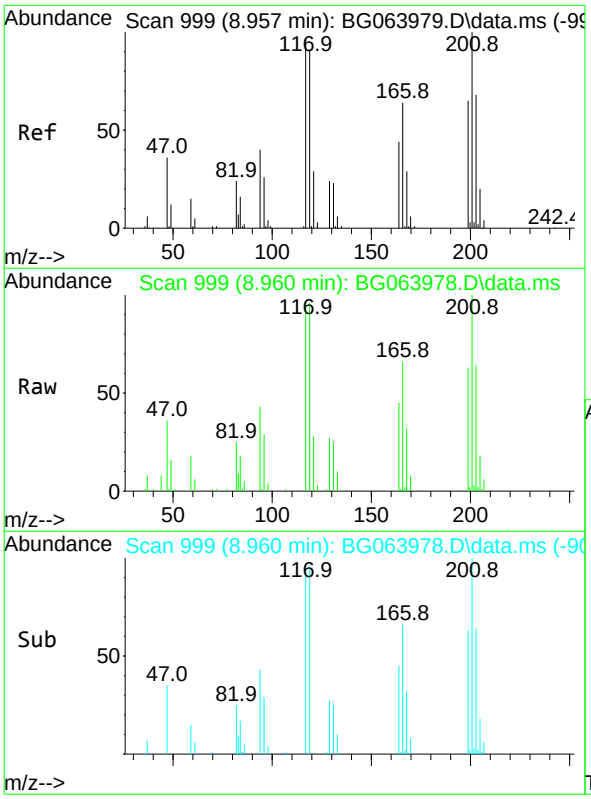
#17
2-Methylphenol
Concen: 19.963 ng
RT: 8.307 min Scan# 88
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 73018

Ion	Ratio	Lower	Upper
107	100		
108	113.5	82.9	124.3
77	46.7	36.4	54.6
79	47.5	35.4	53.0

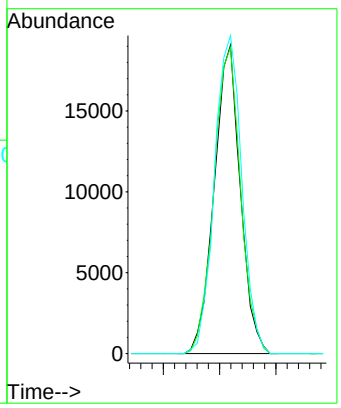


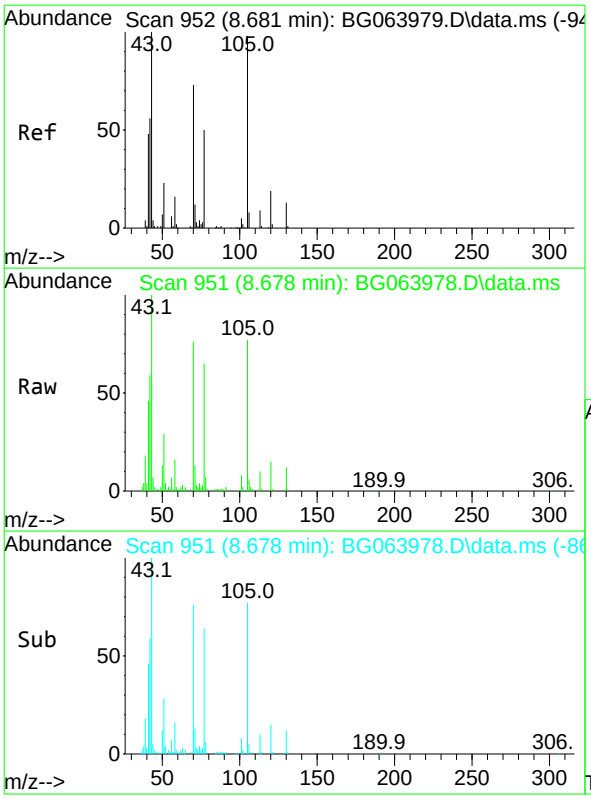


#18
Hexachloroethane
Concen: 19.417 ng
RT: 8.960 min Scan# 999
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:117 Resp: 30637

Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.4	113.0
201	103.1	82.4	123.6



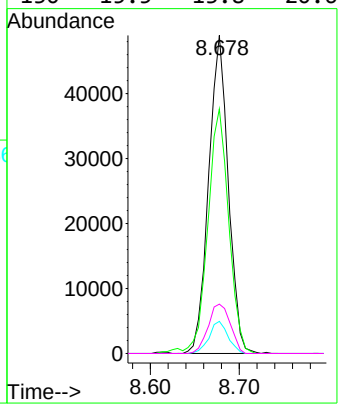


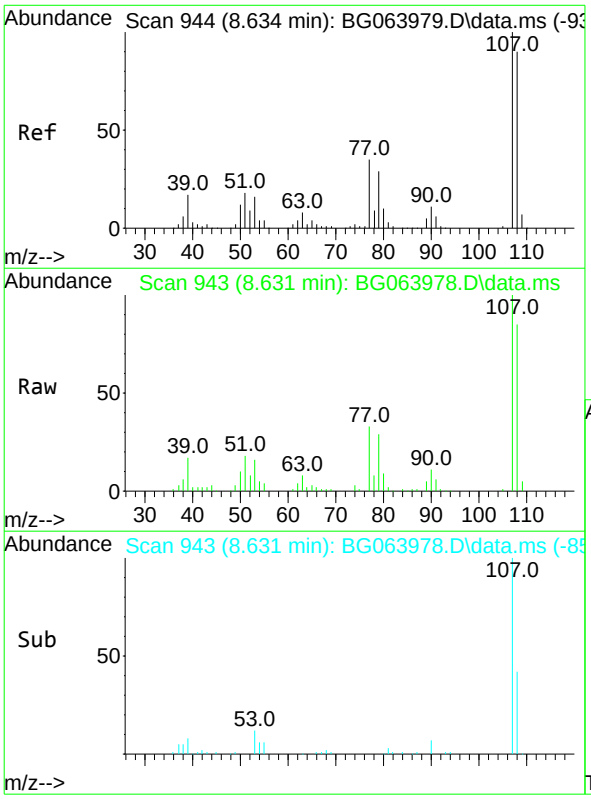
#19
n-Nitroso-di-n-propylamine
Concen: 20.199 ng
RT: 8.678 min Scan# 95
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 75153

Ion	Ratio	Lower	Upper
70	100		
42	76.9	62.2	93.4
101	10.1	5.6	8.4#
130	15.5	13.8	20.6

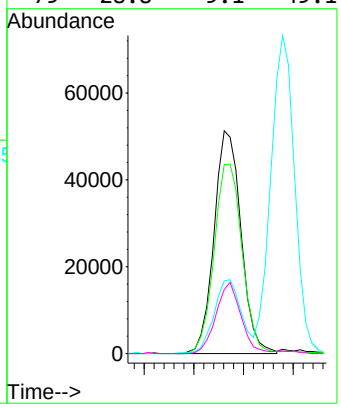


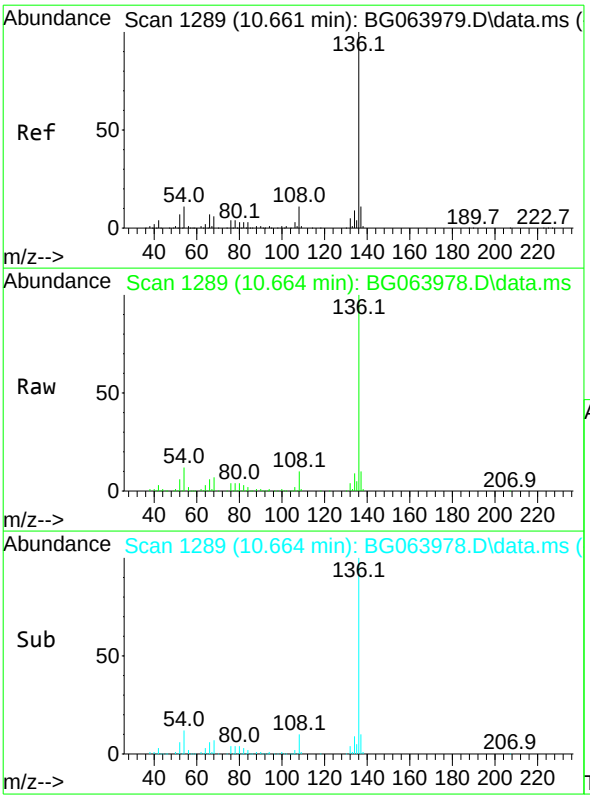


#20
3+4-Methylphenols
Concen: 19.857 ng
RT: 8.631 min Scan# 943
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:107 Resp: 96764

Ion	Ratio	Lower	Upper
107	100		
108	84.8	70.0	110.0
77	32.6	15.2	55.2
79	28.8	9.1	49.1



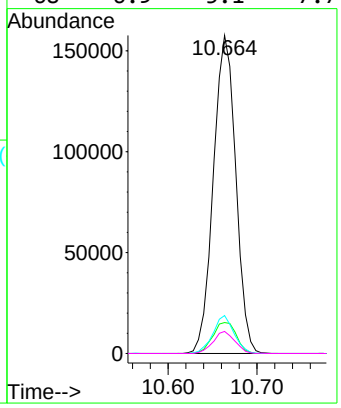


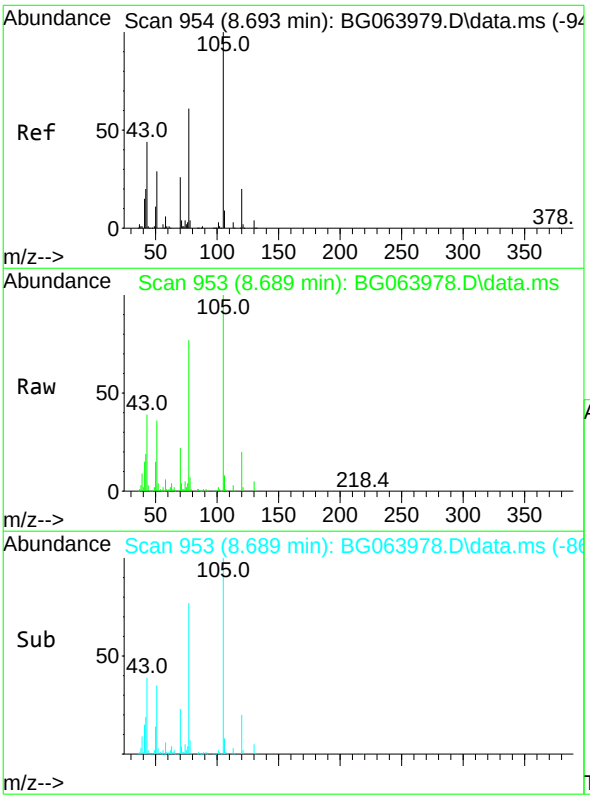
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.664 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 276061

Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.9	13.3
54	11.9	9.2	13.8
68	6.9	5.1	7.7

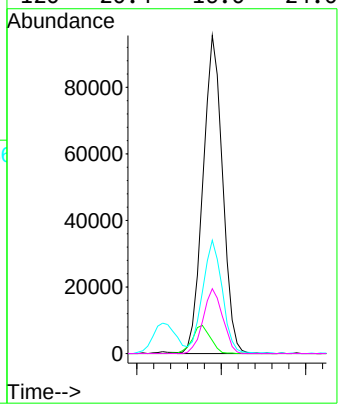


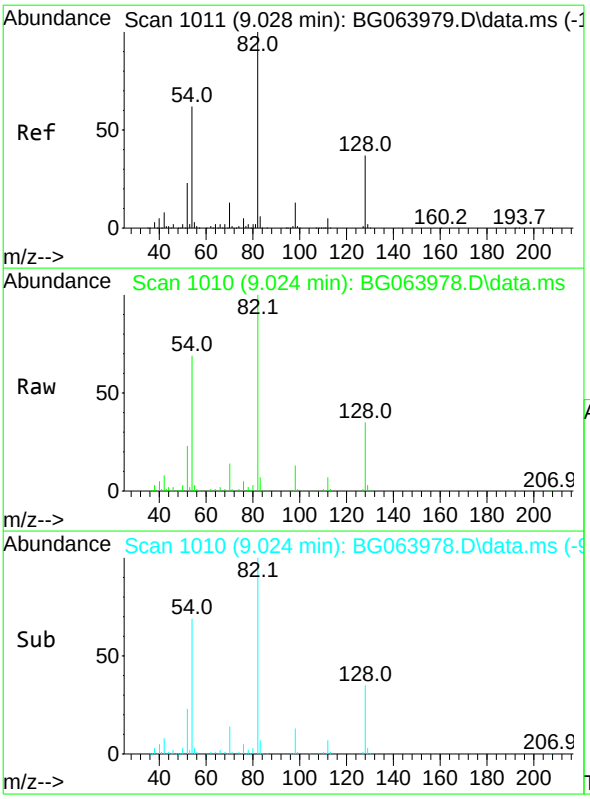


#22
Acetophenone
Concen: 20.342 ng
RT: 8.689 min Scan# 953
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:105 Resp: 154296

Ion	Ratio	Lower	Upper
105	100		
71	4.1	3.1	4.7
51	35.6	29.9	44.9
120	20.4	16.0	24.0



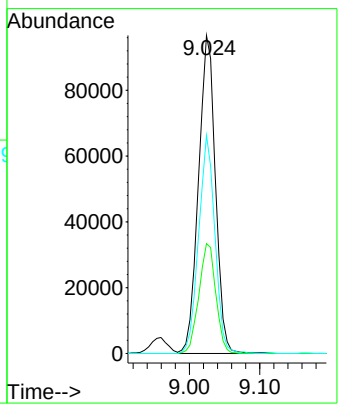


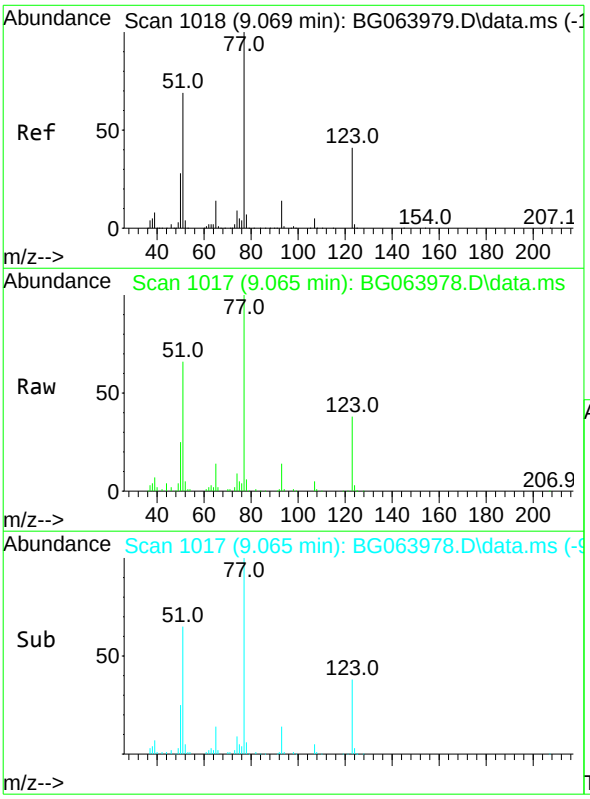
#23
Nitrobenzene-d5
Concen: 35.618 ng
RT: 9.024 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 161789

Ion	Ratio	Lower	Upper
82	100		
128	34.5	29.4	44.2
54	68.6	49.9	74.9

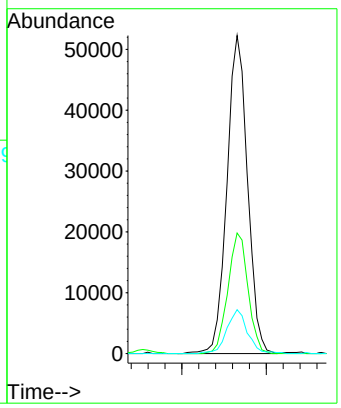


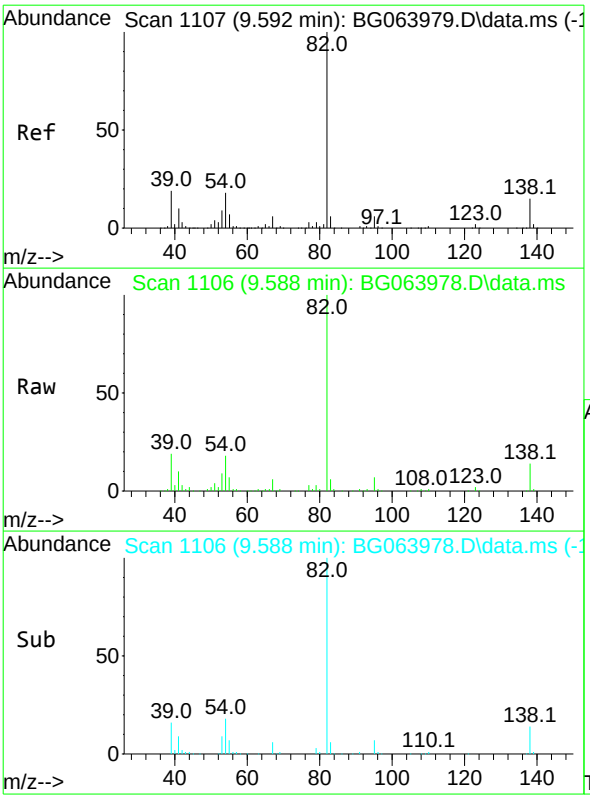


#24
Nitrobenzene
Concen: 19.332 ng
RT: 9.065 min Scan# 1017
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 77 Resp: 88469

Ion	Ratio	Lower	Upper
77	100		
123	37.9	32.9	49.3
65	13.8	11.0	16.6



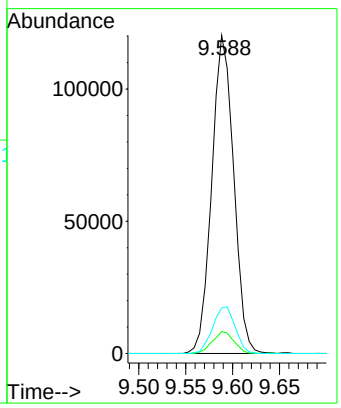


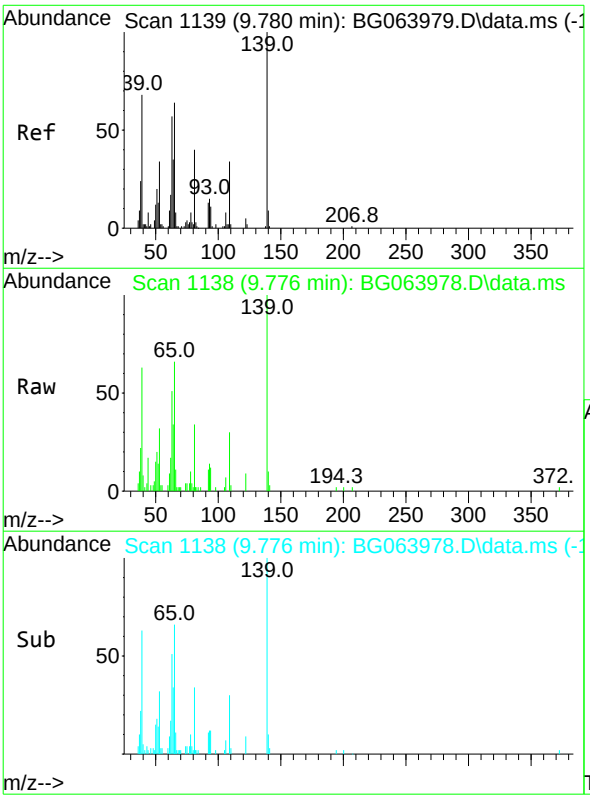
#25
Isophorone
Concen: 19.824 ng
RT: 9.588 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 195202

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.0	7.4
138	14.3	12.2	18.4

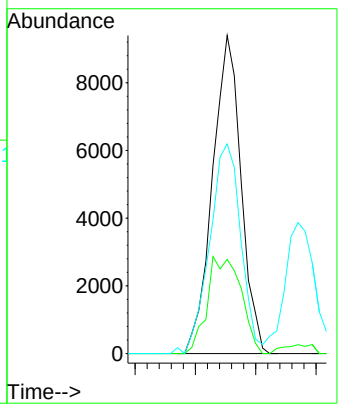


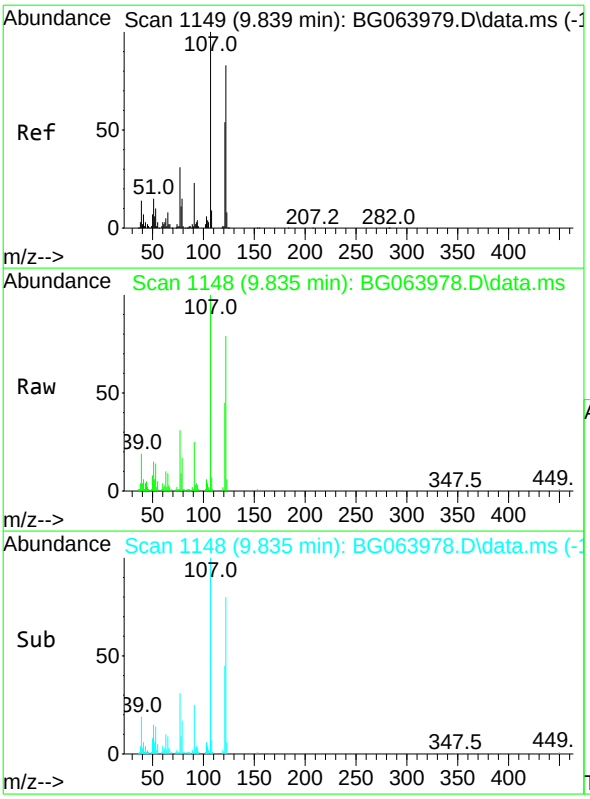


#26
2-Nitrophenol
Concen: 21.118 ng
RT: 9.776 min Scan# 1138
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:139 Resp: 15461

Ion	Ratio	Lower	Upper
139	100		
109	29.6	27.1	40.7
65	65.9	51.0	76.6



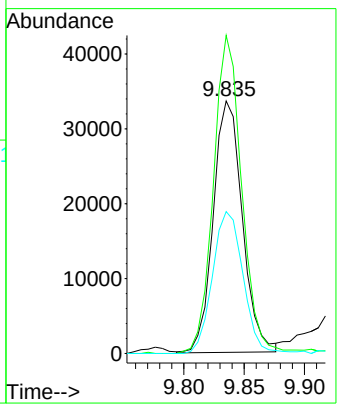


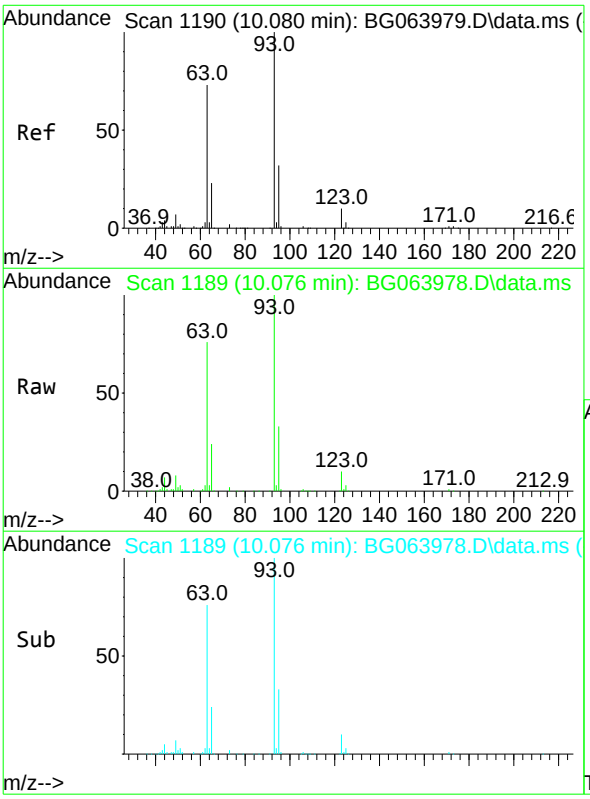
#27
2,4-Dimethylphenol
Concen: 19.918 ng
RT: 9.835 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 56417

Ion	Ratio	Lower	Upper
122	100		
107	125.9	96.4	144.6
121	56.2	51.8	77.6

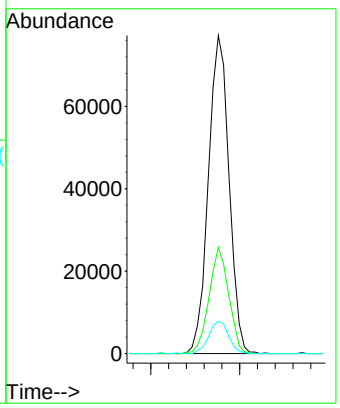


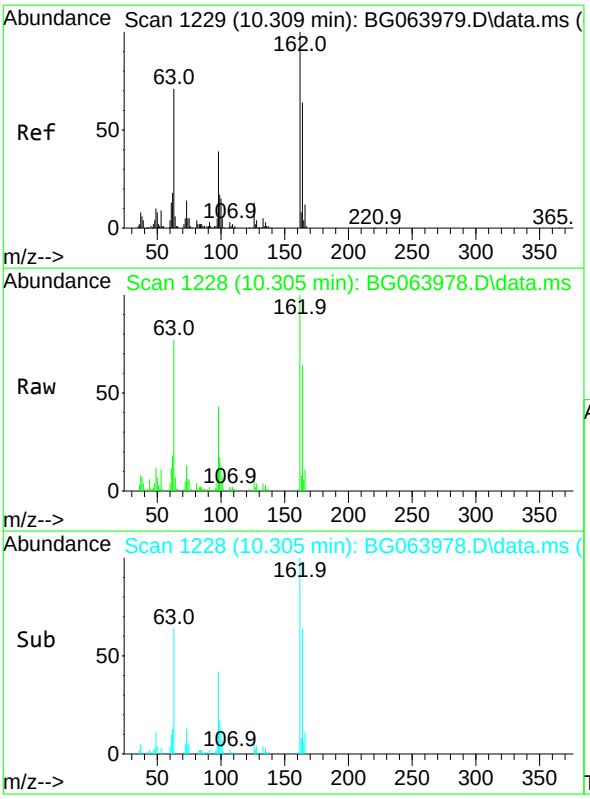


#28
bis(2-Chloroethoxy)methane
Concen: 19.873 ng
RT: 10.076 min Scan# 1189
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 93 Resp: 124514

Ion	Ratio	Lower	Upper
93	100		
95	33.4	25.4	38.2
123	10.2	7.8	11.6



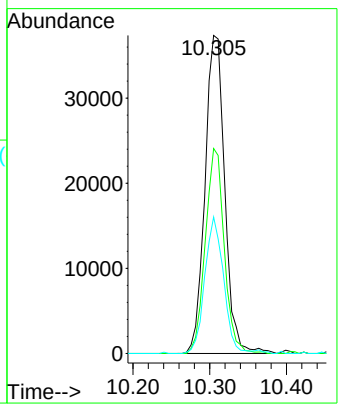


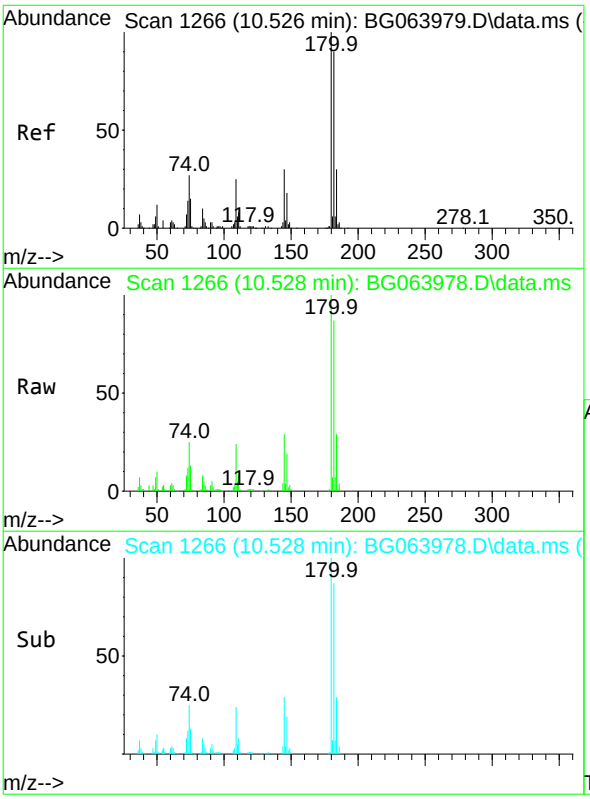
#29
2,4-Dichlorophenol
Concen: 19.389 ng
RT: 10.305 min Scan# 12
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 66869

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.6	83.6
98	42.9	18.6	58.6

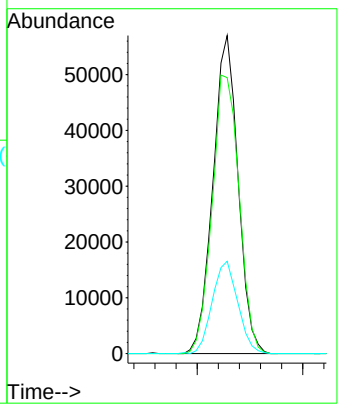


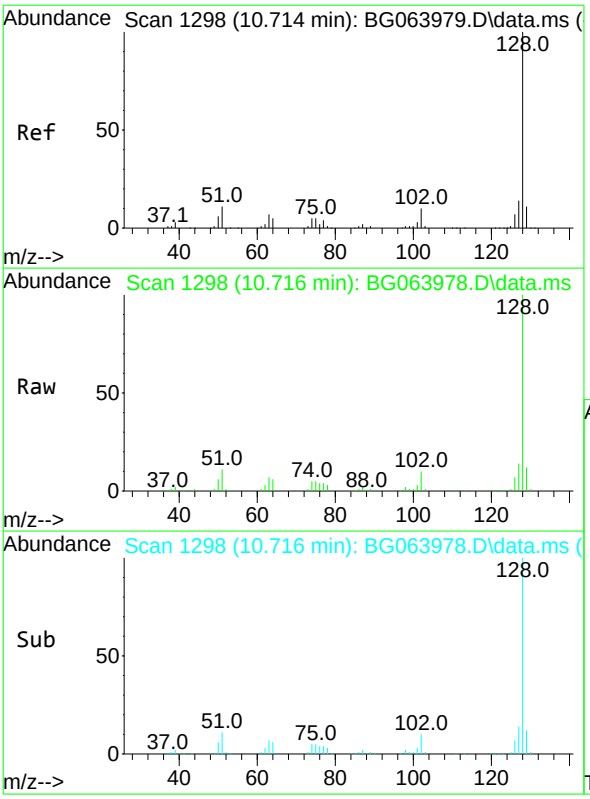


#30
1,2,4-Trichlorobenzene
Concen: 20.229 ng
RT: 10.528 min Scan# 1266
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:180 Resp: 94134

Ion	Ratio	Lower	Upper
180	100		
182	86.8	72.3	108.5
145	29.0	23.8	35.8



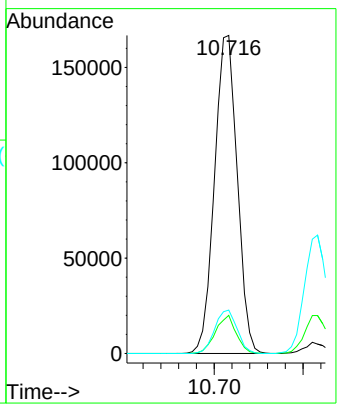


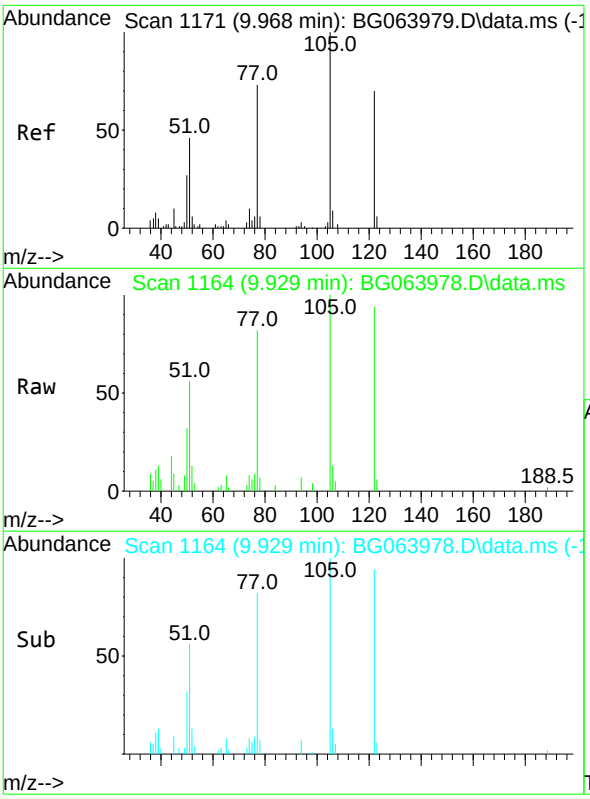
#31
Naphthalene
Concen: 20.025 ng
RT: 10.716 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 296389

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	13.6	10.8	16.2

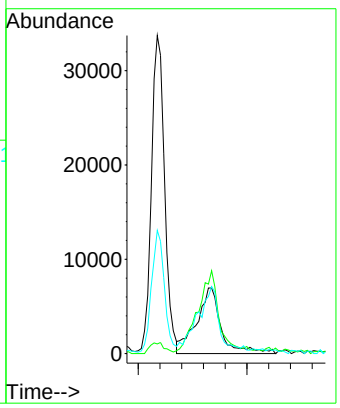


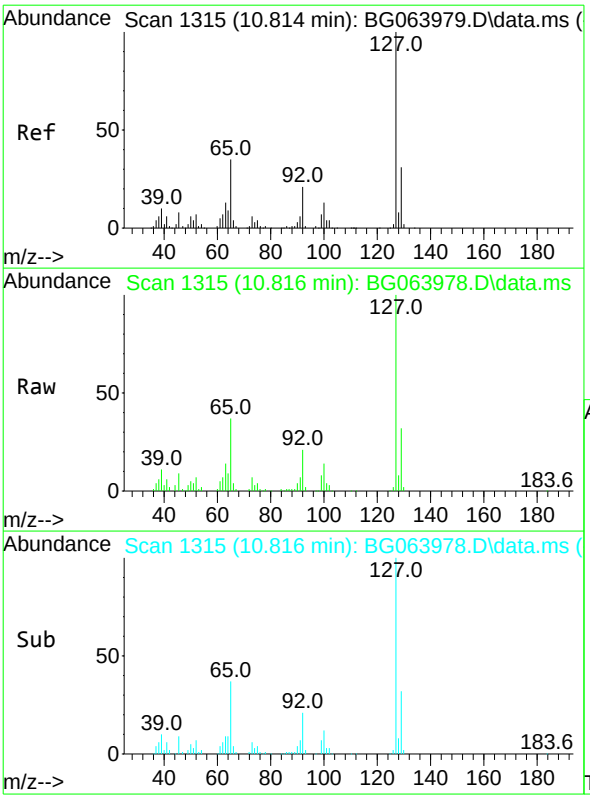


#32
Benzoic acid
Concen: 19.940 ng m
RT: 9.929 min Scan# 1164
Delta R.T. -0.039 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:122 Resp: 21958

Ion	Ratio	Lower	Upper
122	100		
105	105.9	117.9	157.9#
77	86.9	83.9	123.9



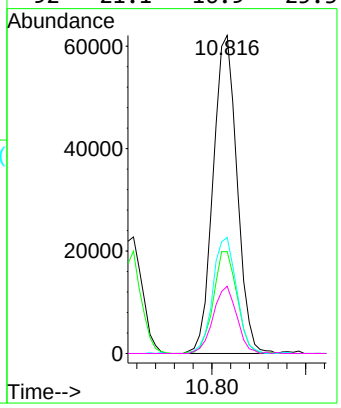


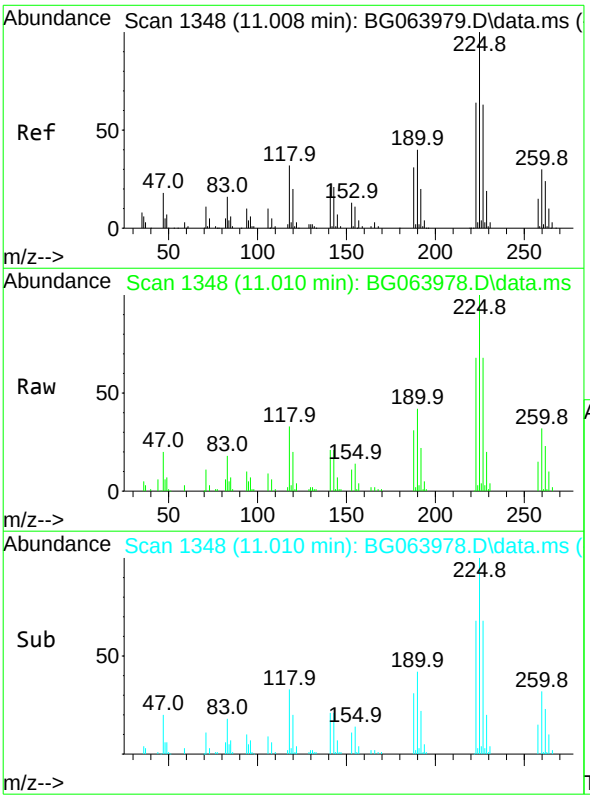
#33
4-Chloroaniline
Concen: 19.398 ng
RT: 10.816 min Scan# 13
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 110000

Ion	Ratio	Lower	Upper
127	100		
129	32.0	24.9	37.3
65	36.5	28.2	42.4
92	21.1	16.9	25.3

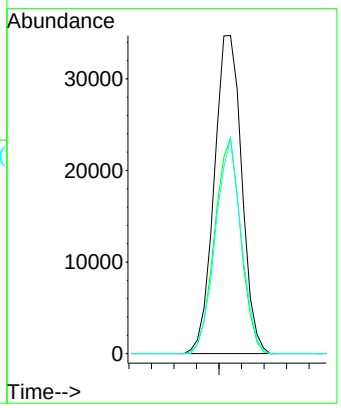


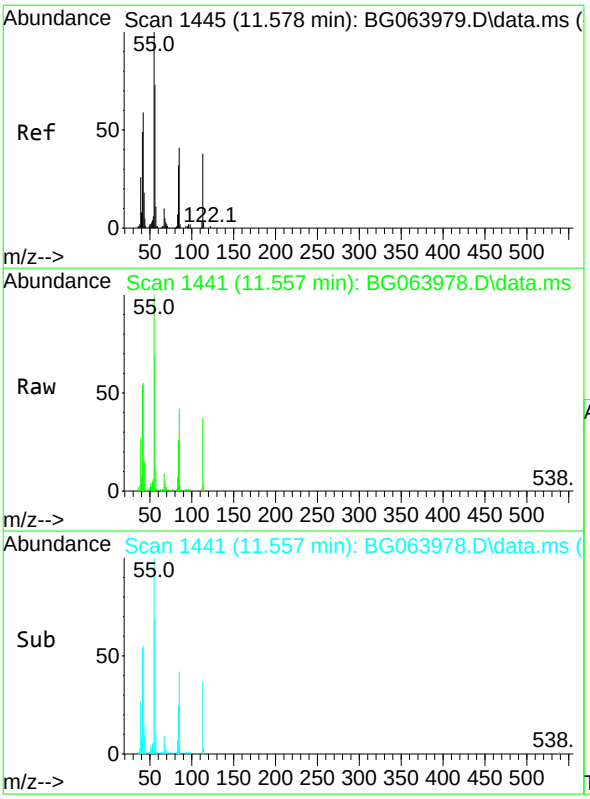


#34
Hexachlorobutadiene
Concen: 19.913 ng
RT: 11.010 min Scan# 1348
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:225 Resp: 59011

Ion	Ratio	Lower	Upper
225	100		
223	67.7	51.0	76.6
227	67.7	50.3	75.5



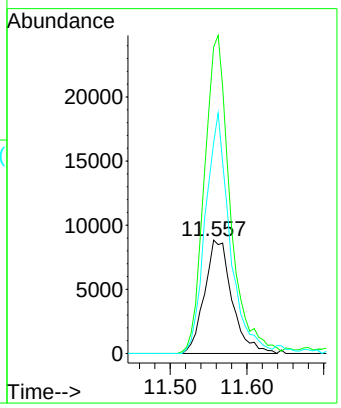


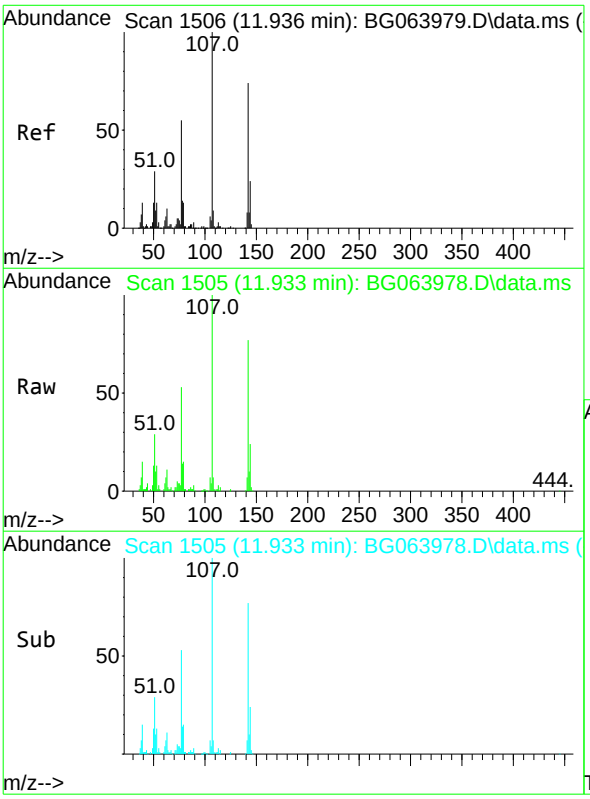
#35
Caprolactam
Concen: 18.806 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.021 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 21973

Ion	Ratio	Lower	Upper
113	100		
55	270.5	241.8	281.8
56	185.8	171.5	211.5

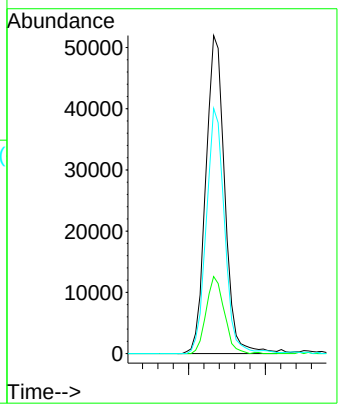


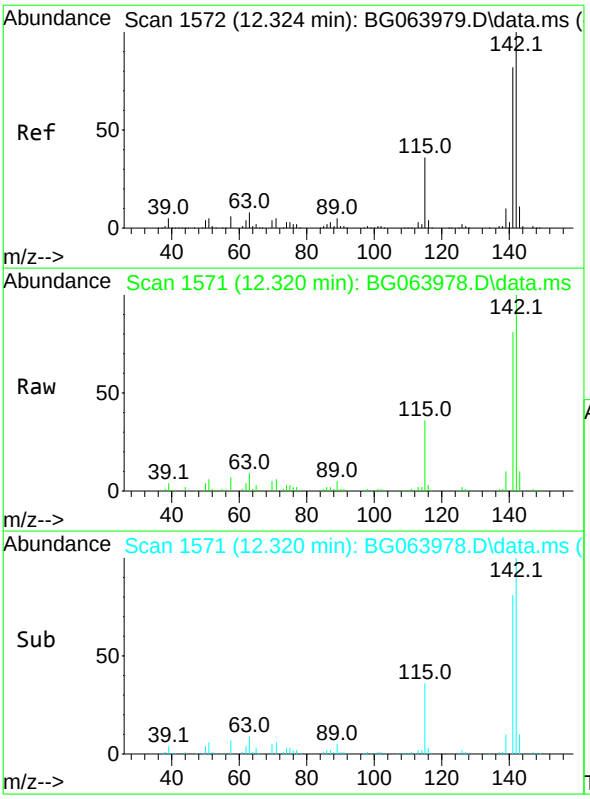


#36
4-Chloro-3-methylphenol
Concen: 19.625 ng
RT: 11.933 min Scan# 1505
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:107 Resp: 88975

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.2	28.8
142	77.1	58.9	88.3



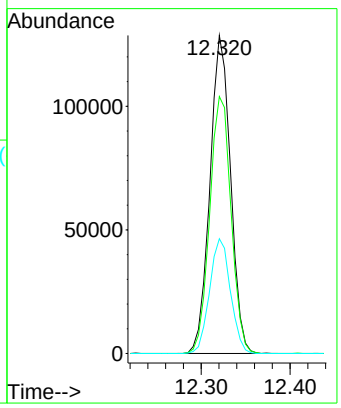


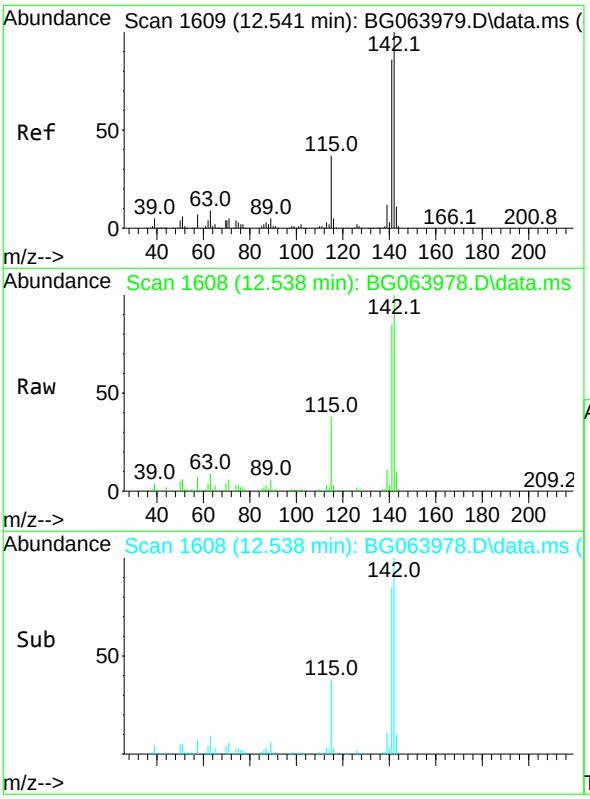
#37
2-Methylnaphthalene
Concen: 20.106 ng
RT: 12.320 min Scan# 15
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 207371

Ion	Ratio	Lower	Upper
142	100		
141	80.8	65.8	98.8
115	36.1	28.9	43.3

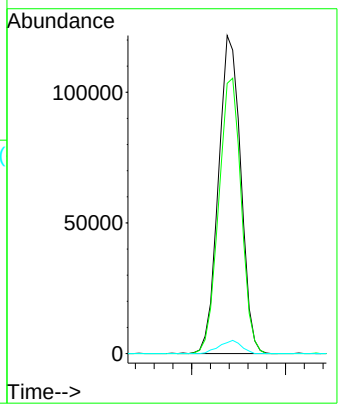


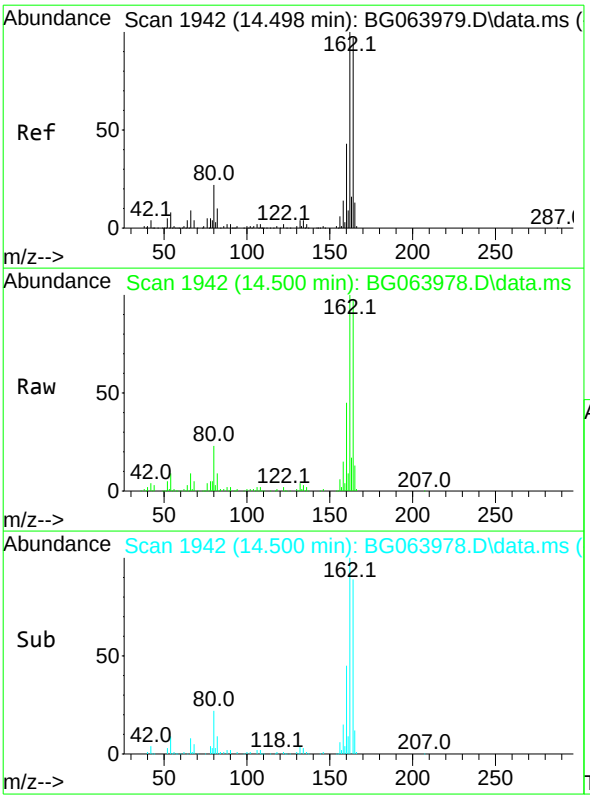


#38
1-Methylnaphthalene
Concen: 19.680 ng
RT: 12.538 min Scan# 1608
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:142 Resp: 200846

Ion	Ratio	Lower	Upper
142	100		
141	84.9	69.2	103.8
116	3.5	3.6	5.4#



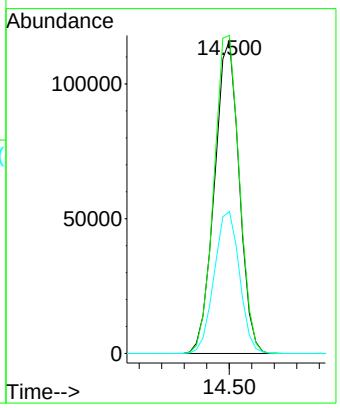


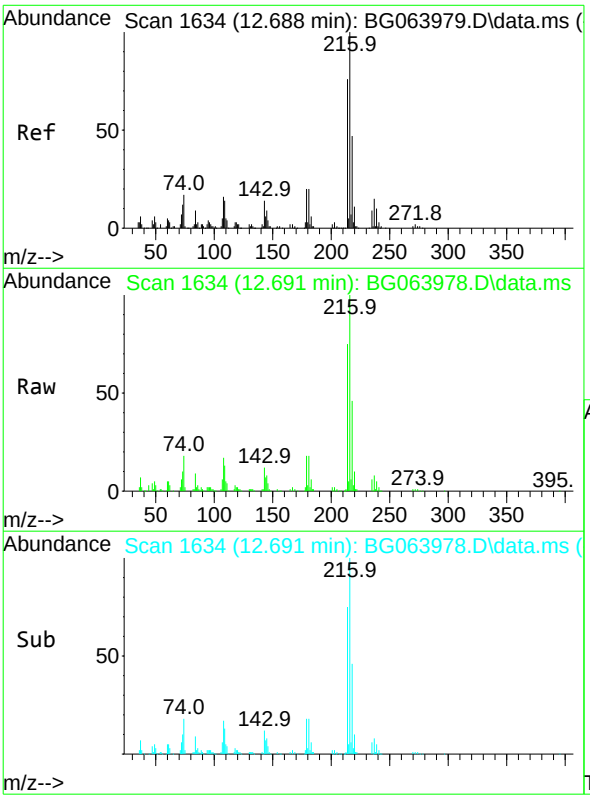
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.500 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 177325

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.3	123.5
160	45.3	35.4	53.0

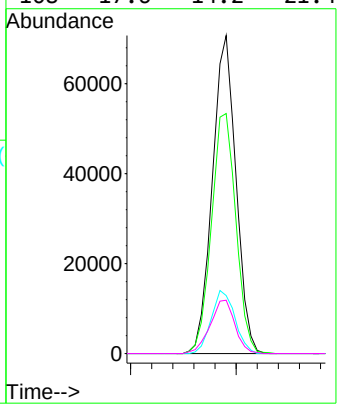


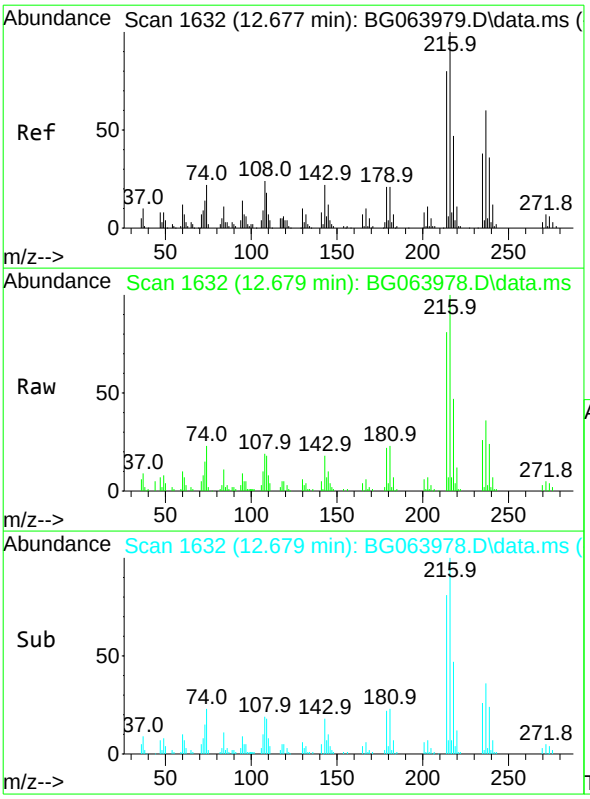


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.029 ng
RT: 12.691 min Scan# 1634
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:216 Resp: 109966

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.9	94.3
179	19.9	16.6	25.0
108	17.6	14.2	21.4



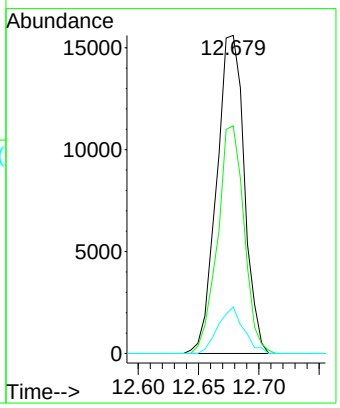


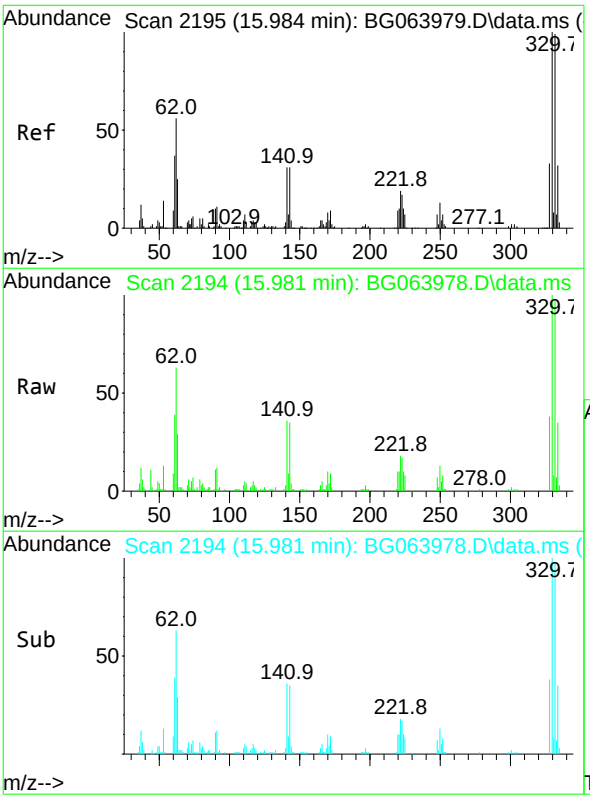
#41
Hexachlorocyclopentadiene
Concen: 17.626 ng
RT: 12.679 min Scan# 16
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 24866

Ion	Ratio	Lower	Upper
237	100		
235	71.6	43.8	83.8
272	14.6	0.0	32.3

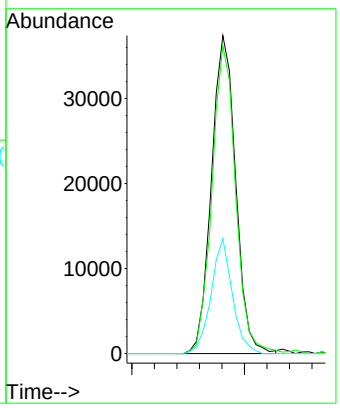


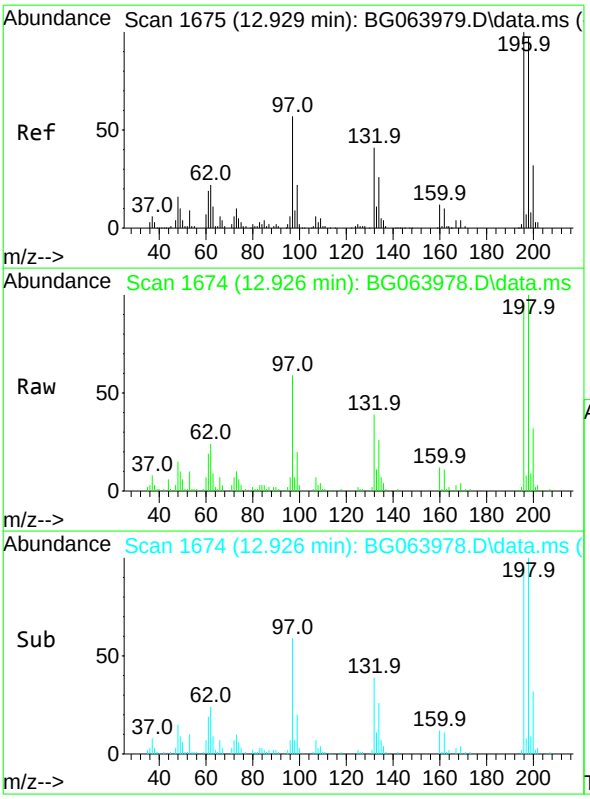


#42
2,4,6-Tribromophenol
Concen: 39.360 ng
RT: 15.981 min Scan# 2194
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:330 Resp: 55855

Ion	Ratio	Lower	Upper
330	100		
332	94.6	79.0	118.6
141	31.9	27.2	40.8



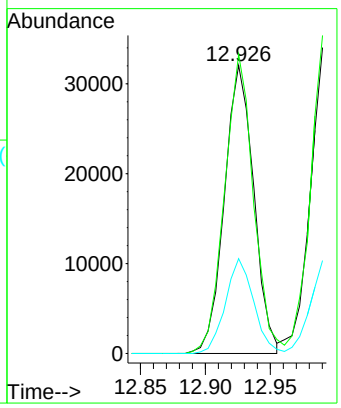


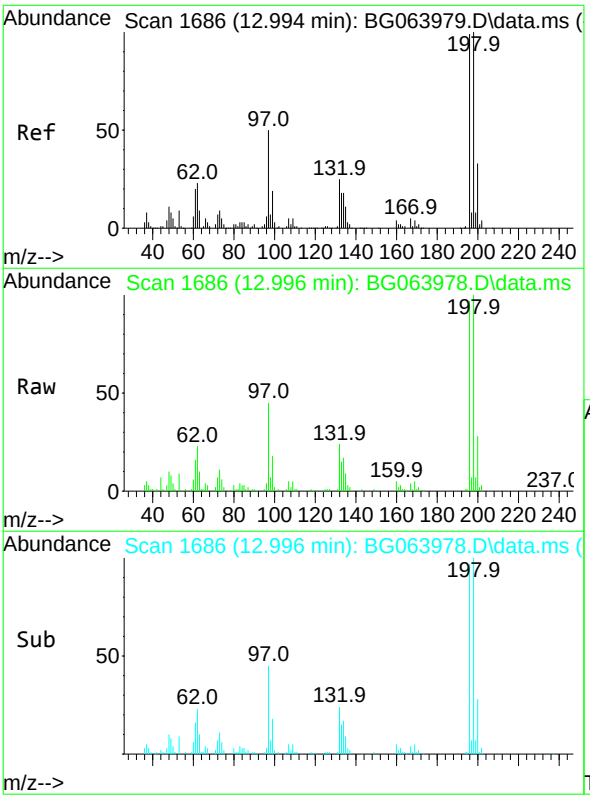
#43
2,4,6-Trichlorophenol
Concen: 19.597 ng
RT: 12.926 min Scan# 16
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 50322

Ion	Ratio	Lower	Upper
196	100		
198	103.8	77.9	116.9
200	32.9	25.5	38.3

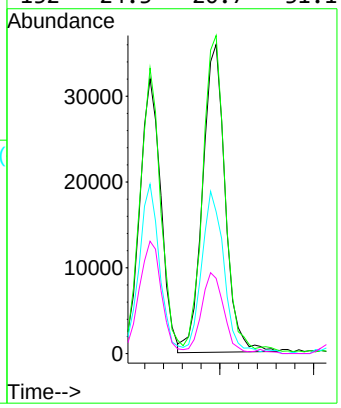


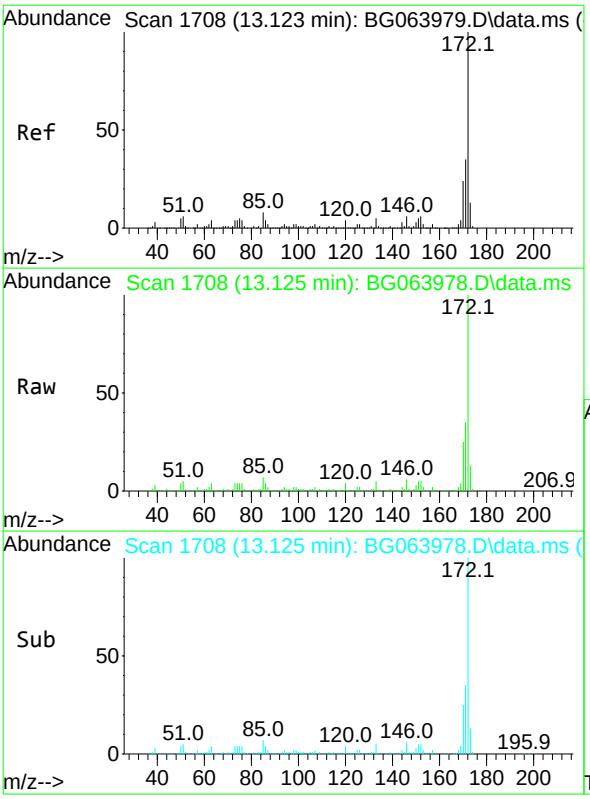


#44
2,4,5-Trichlorophenol
Concen: 19.845 ng
RT: 12.996 min Scan# 1686
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:196 Resp: 59907

Ion	Ratio	Lower	Upper
196	100		
198	102.9	81.1	121.7
97	45.9	41.2	61.8
132	24.3	20.7	31.1



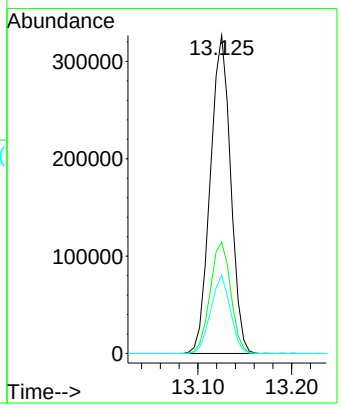


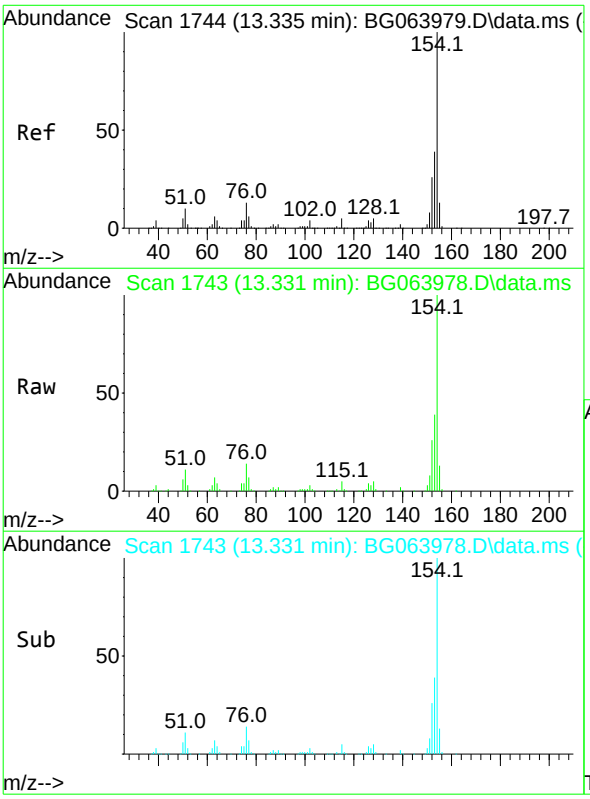
#45
2-Fluorobiphenyl
Concen: 42.462 ng
RT: 13.125 min Scan# 17
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 491443

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	24.7	19.4	29.2

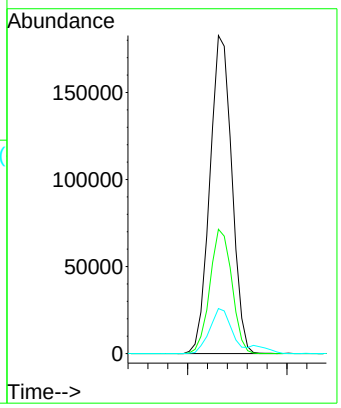


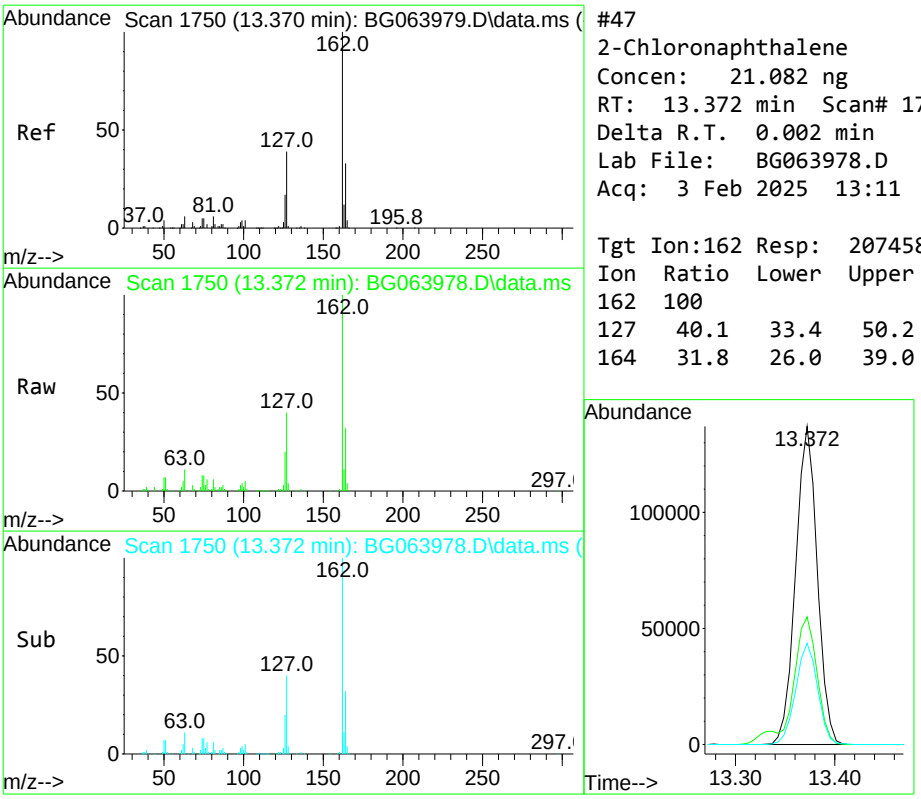


#46
1,1'-Biphenyl
Concen: 20.828 ng
RT: 13.331 min Scan# 1743
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:154 Resp: 281204

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.3	59.3
76	14.2	0.0	33.3



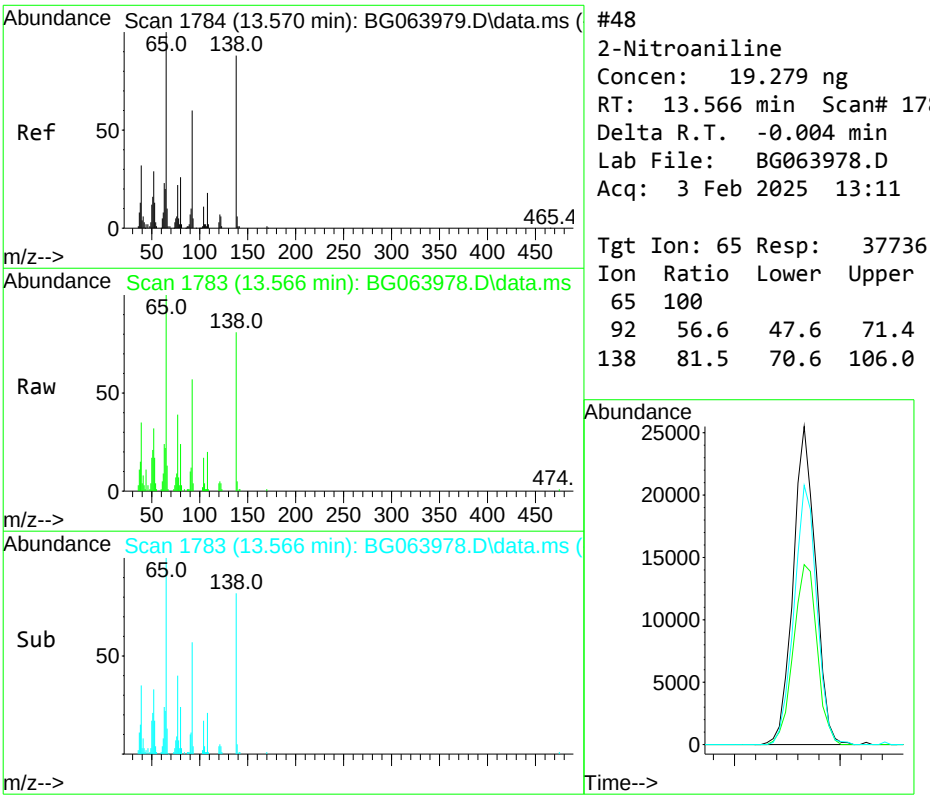


#47
2-Chloronaphthalene
Concen: 21.082 ng
RT: 13.372 min Scan# 17
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 207458

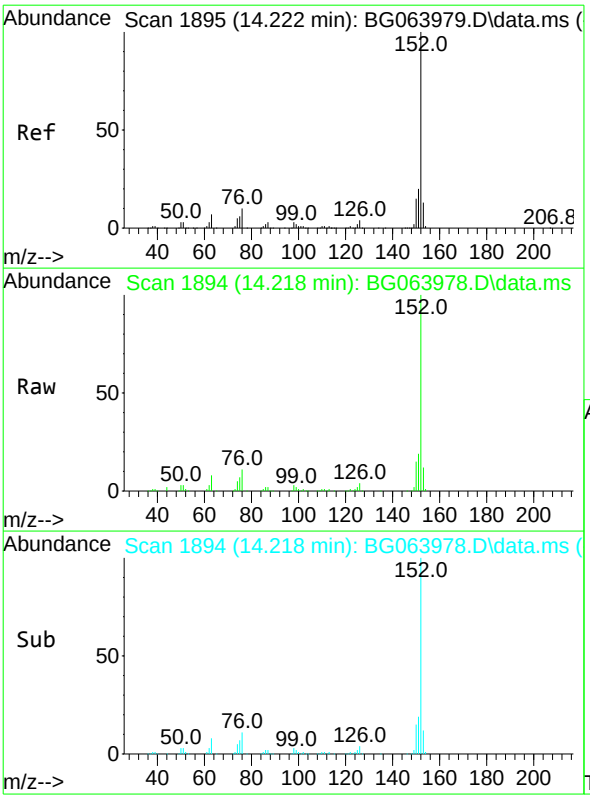
Ion	Ratio	Lower	Upper
162	100		
127	40.1	33.4	50.2
164	31.8	26.0	39.0



#48
2-Nitroaniline
Concen: 19.279 ng
RT: 13.566 min Scan# 1783
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion: 65 Resp: 37736

Ion	Ratio	Lower	Upper
65	100		
92	56.6	47.6	71.4
138	81.5	70.6	106.0

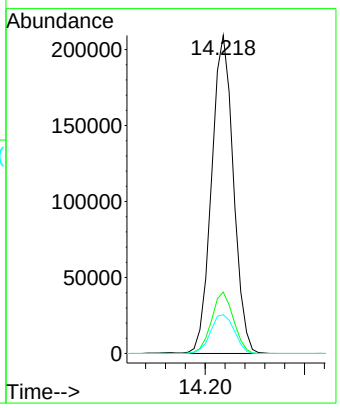


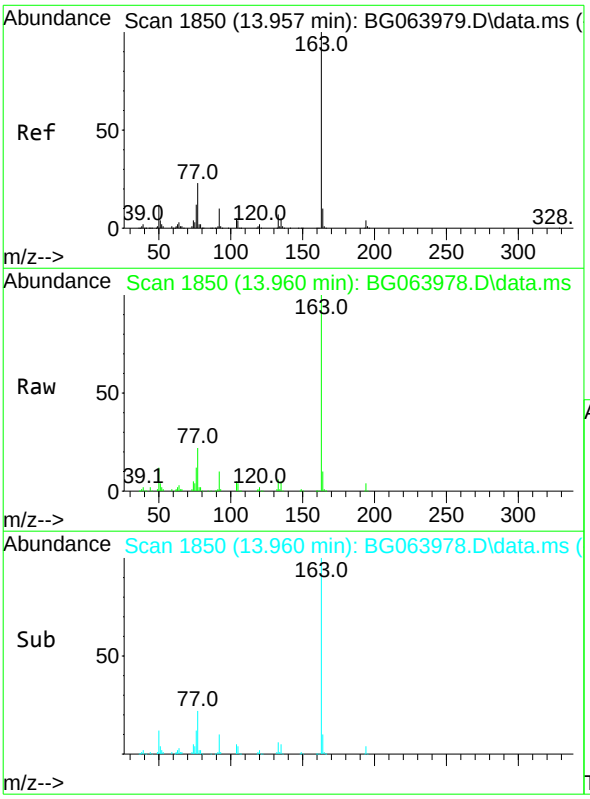
#49
Acenaphthylene
Concen: 20.903 ng
RT: 14.218 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 319503

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	12.2	10.3	15.5

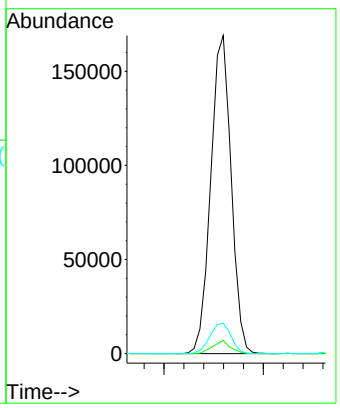


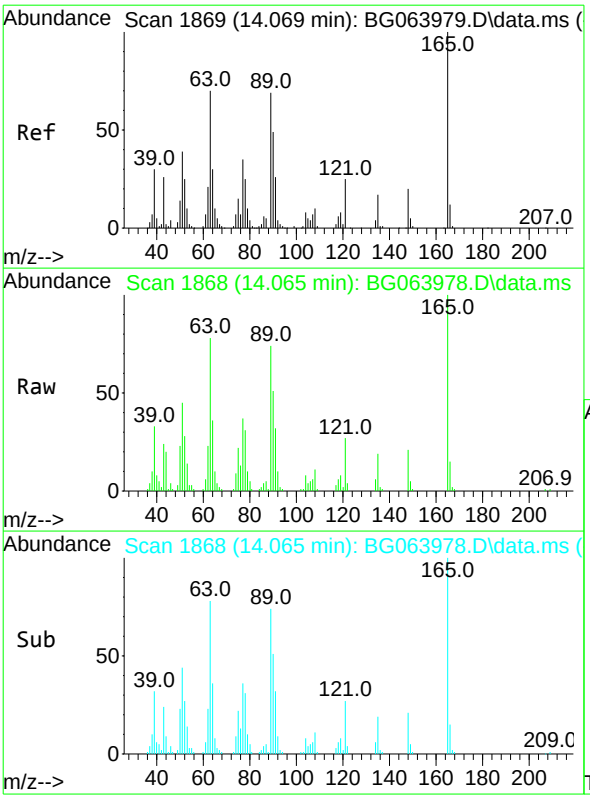


#50
Dimethylphthalate
Concen: 20.500 ng
RT: 13.960 min Scan# 1850
Delta R.T. 0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:163 Resp: 241023

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	9.6	8.0	12.0



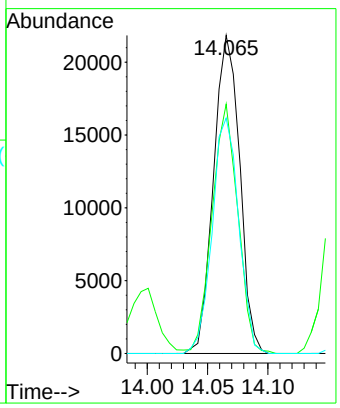


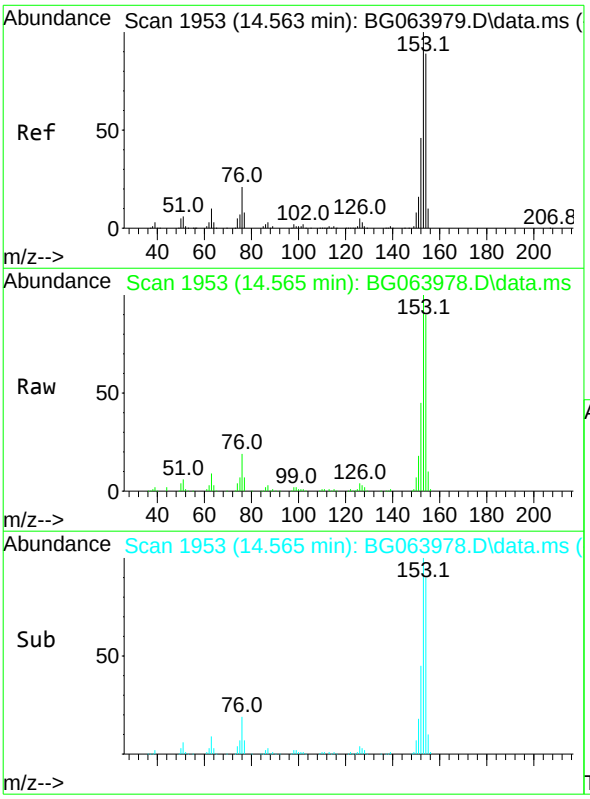
#51
2,6-Dinitrotoluene
Concen: 19.234 ng
RT: 14.065 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 32857

Ion	Ratio	Lower	Upper
165	100		
63	78.4	57.7	86.5
89	74.0	55.6	83.4

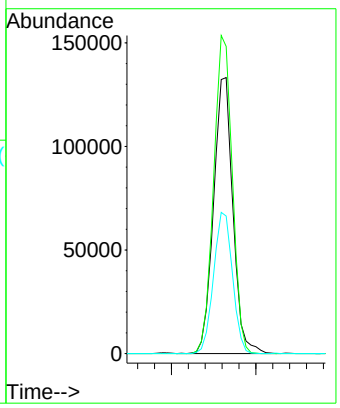


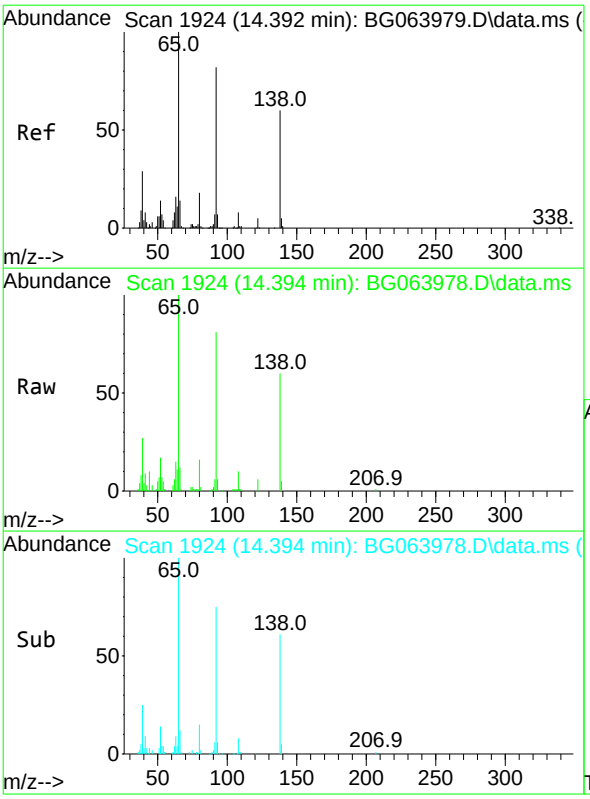


#52
Acenaphthene
Concen: 20.703 ng
RT: 14.565 min Scan# 1953
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:154 Resp: 212259

Ion	Ratio	Lower	Upper
154	100		
153	111.3	90.2	135.2
152	49.8	41.1	61.7



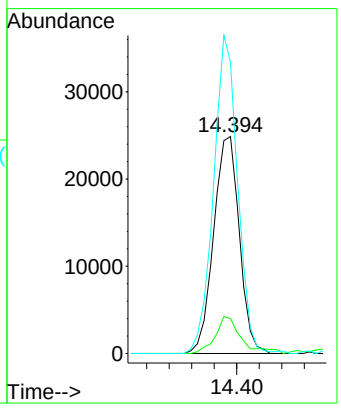


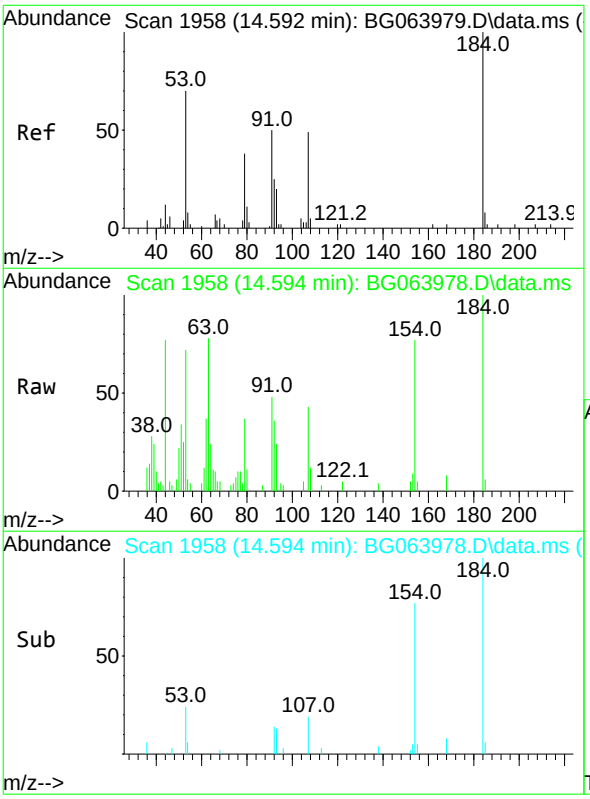
#53
3-Nitroaniline
Concen: 18.777 ng
RT: 14.394 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 39417

Ion	Ratio	Lower	Upper
138	100		
108	16.2	10.3	15.5#
92	134.2	109.0	163.4

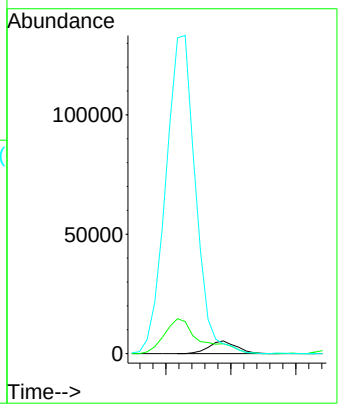


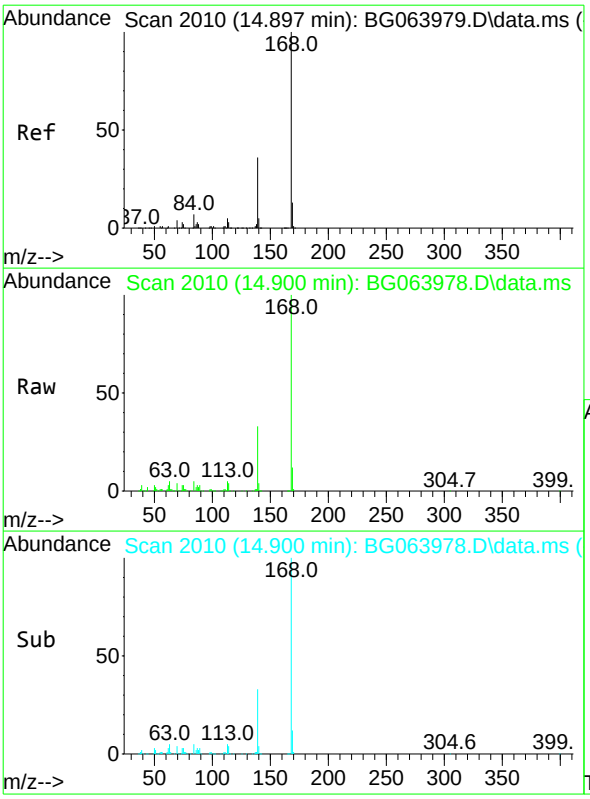


#54
2,4-Dinitrophenol
Concen: 21.705 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:184 Resp: 7789

Ion	Ratio	Lower	Upper
184	100		
63	78.4	67.3	100.9
154	77.3	65.9	98.9



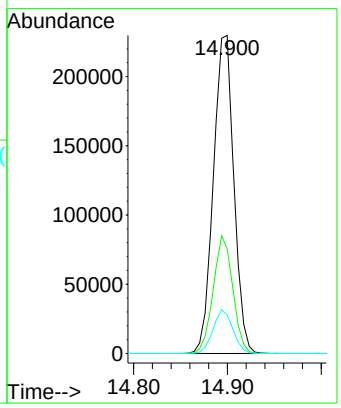


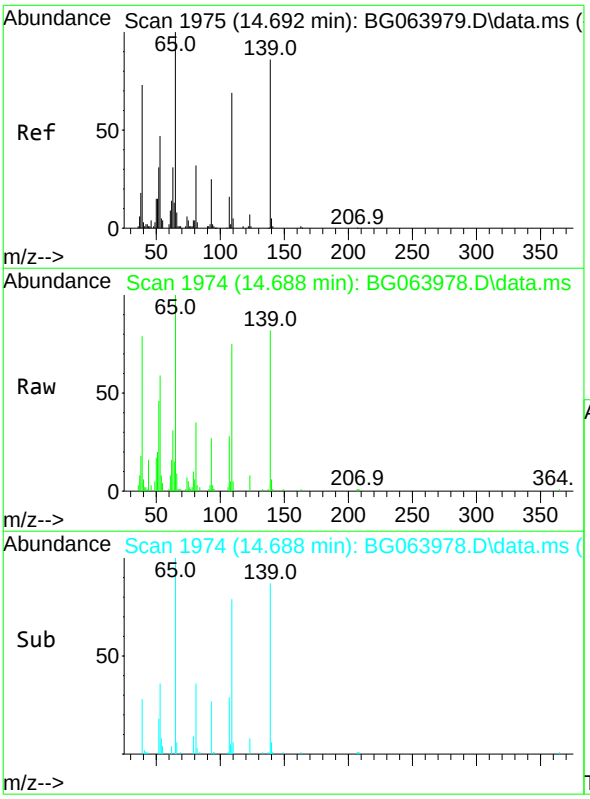
#55
Dibenzofuran
Concen: 20.884 ng
RT: 14.900 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 347679

Ion	Ratio	Lower	Upper
168	100		
139	32.9	28.6	43.0
169	12.1	10.6	16.0

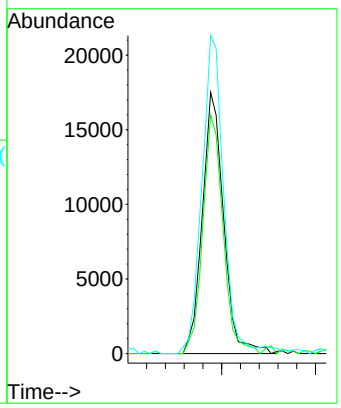


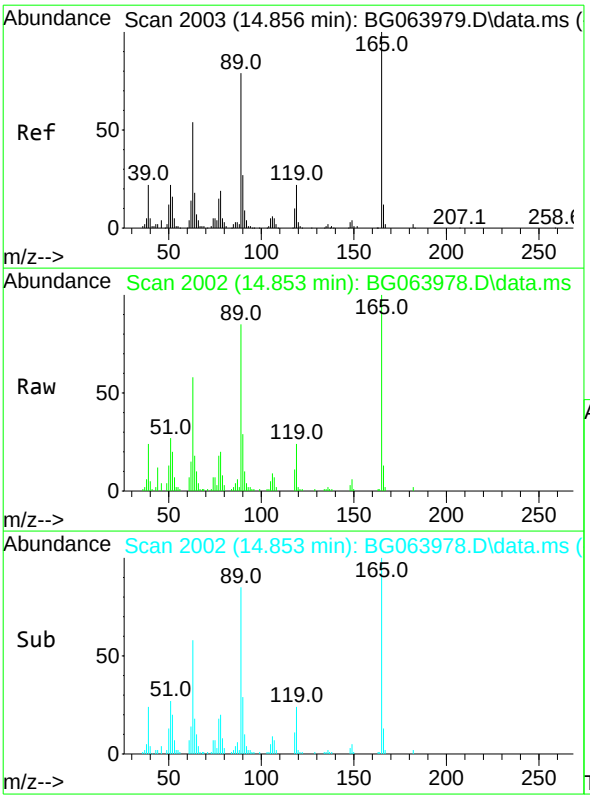


#56
4-Nitrophenol
Concen: 19.316 ng
RT: 14.688 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:139 Resp: 27662

Ion	Ratio	Lower	Upper
139	100		
109	91.4	60.1	100.1
65	121.8	96.2	136.2



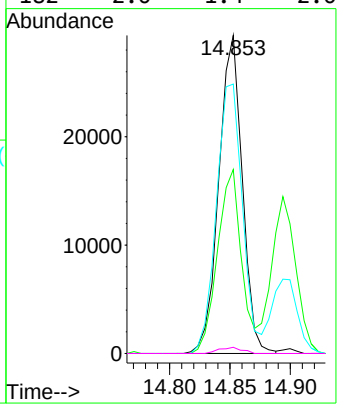


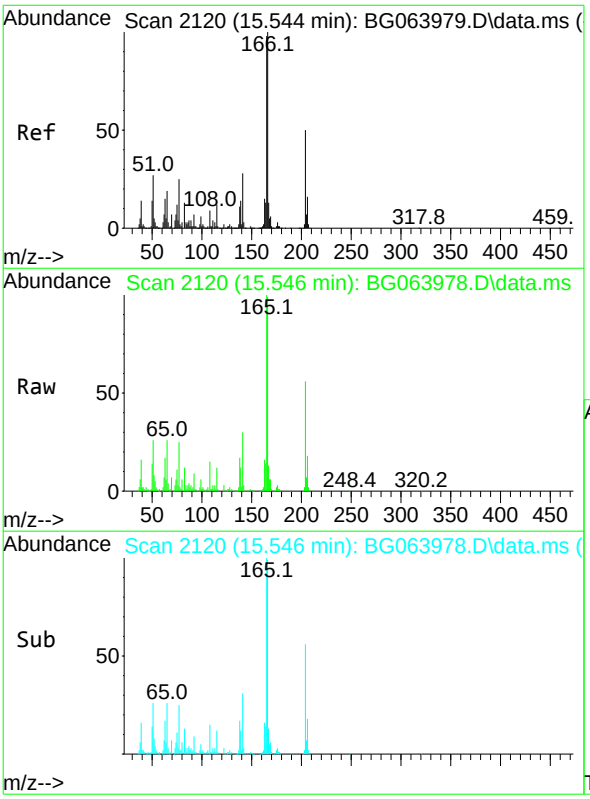
#57
2,4-Dinitrotoluene
Concen: 18.726 ng
RT: 14.853 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 39756

Ion	Ratio	Lower	Upper
165	100		
63	57.8	43.6	65.4
89	84.7	63.1	94.7
182	2.0	1.4	2.0

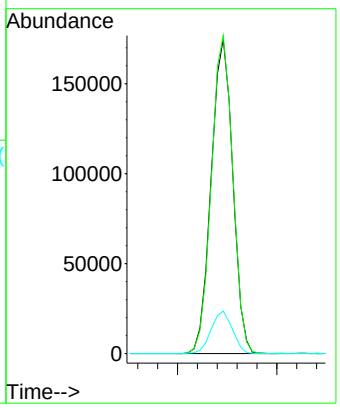


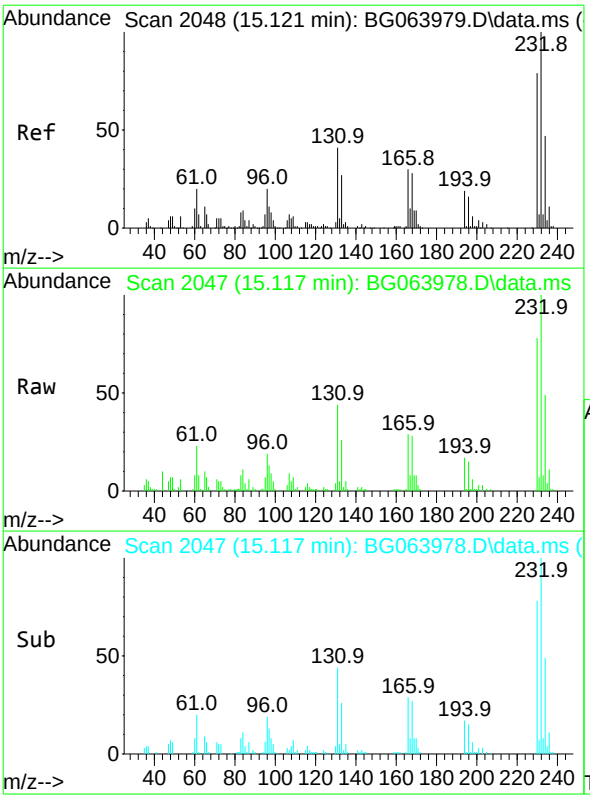


#58
Fluorene
Concen: 20.484 ng
RT: 15.546 min Scan# 2120
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:166 Resp: 263572

Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.7	118.1
167	13.5	10.1	15.1



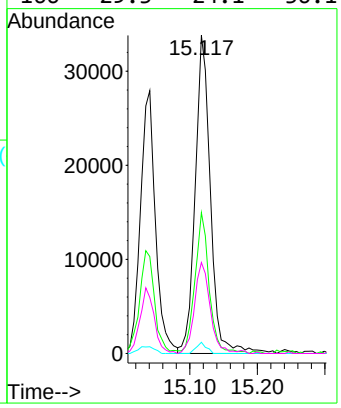


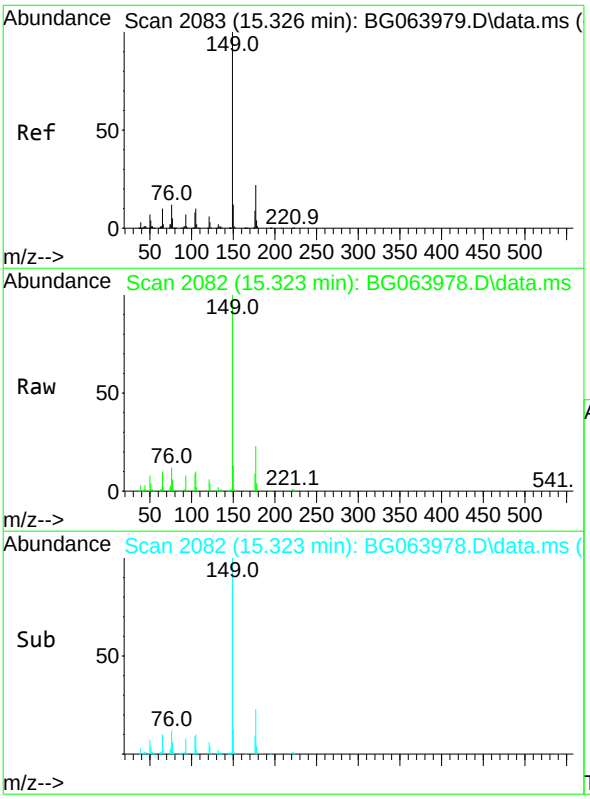
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.371 ng
RT: 15.117 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 53019

Ion	Ratio	Lower	Upper
232	100		
131	41.3	34.0	51.0
130	2.3	2.2	3.4
166	29.3	24.1	36.1

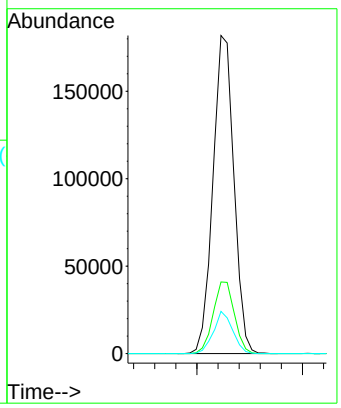


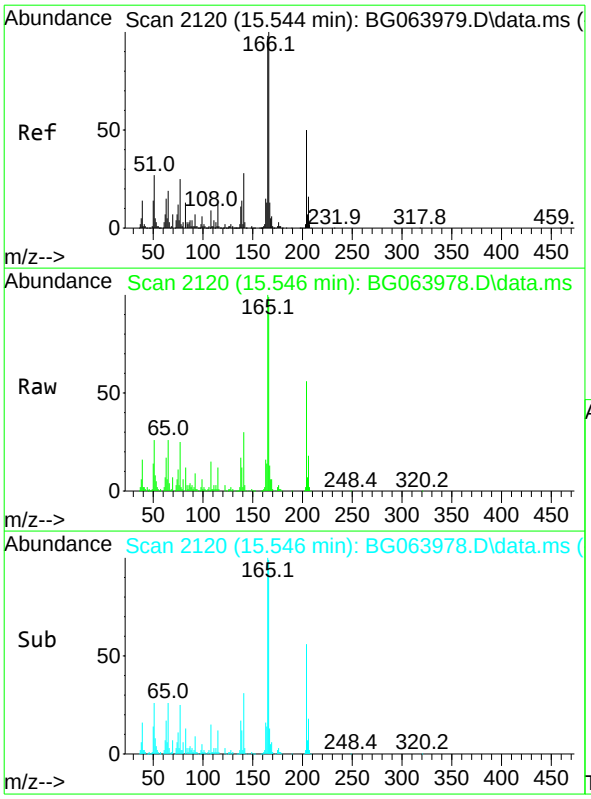


#60
Diethylphthalate
Concen: 20.136 ng
RT: 15.323 min Scan# 2082
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:149 Resp: 251009

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	13.3	9.7	14.5



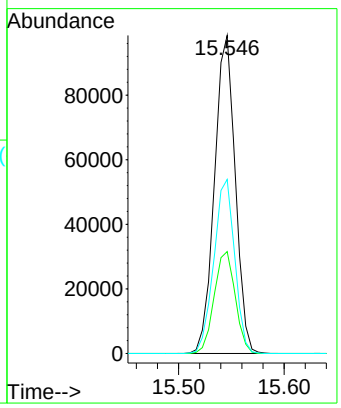


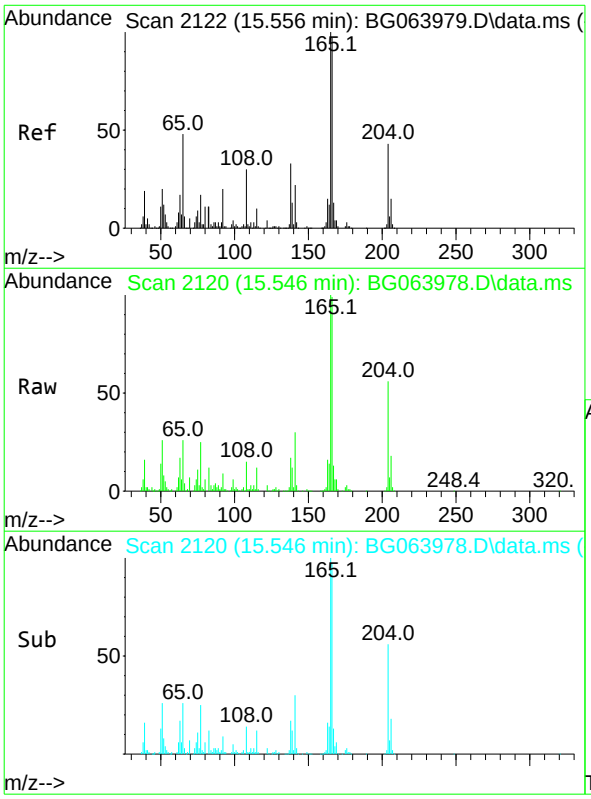
#61
4-Chlorophenyl-phenylether
Concen: 20.873 ng
RT: 15.546 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 134757

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.8	38.6
141	54.7	44.6	67.0

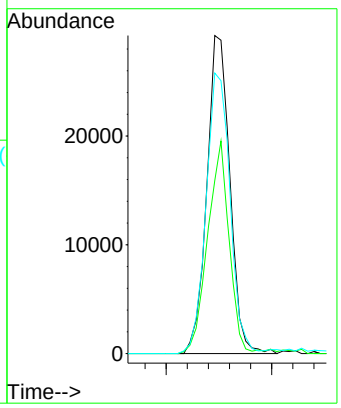


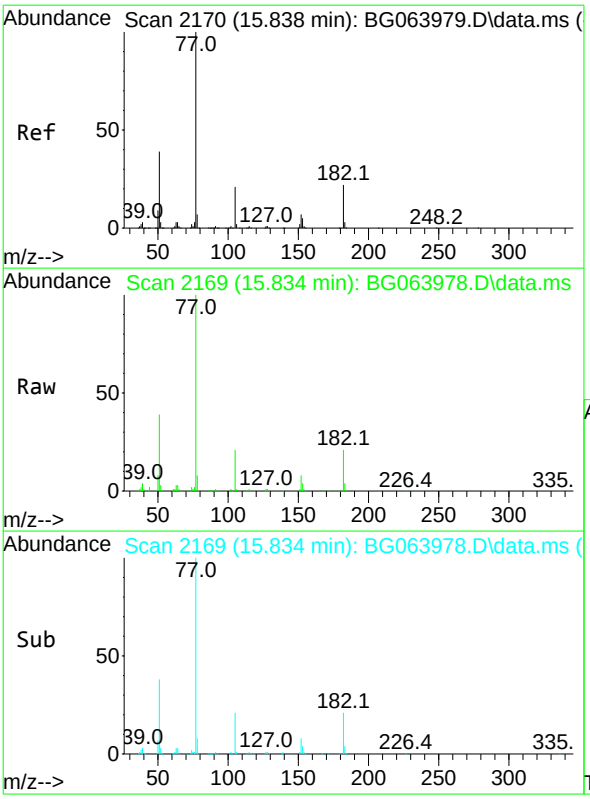


#62
4-Nitroaniline
Concen: 18.566 ng
RT: 15.546 min Scan# 2120
Delta R.T. -0.010 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:138 Resp: 44329

Ion	Ratio	Lower	Upper
138	100		
92	54.4	40.3	80.3
108	88.2	69.3	109.3



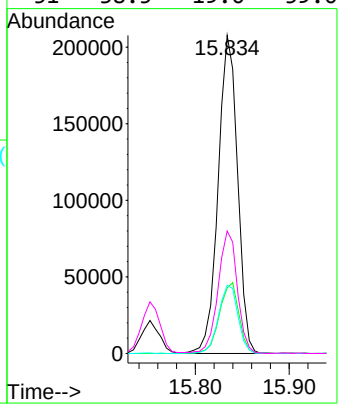


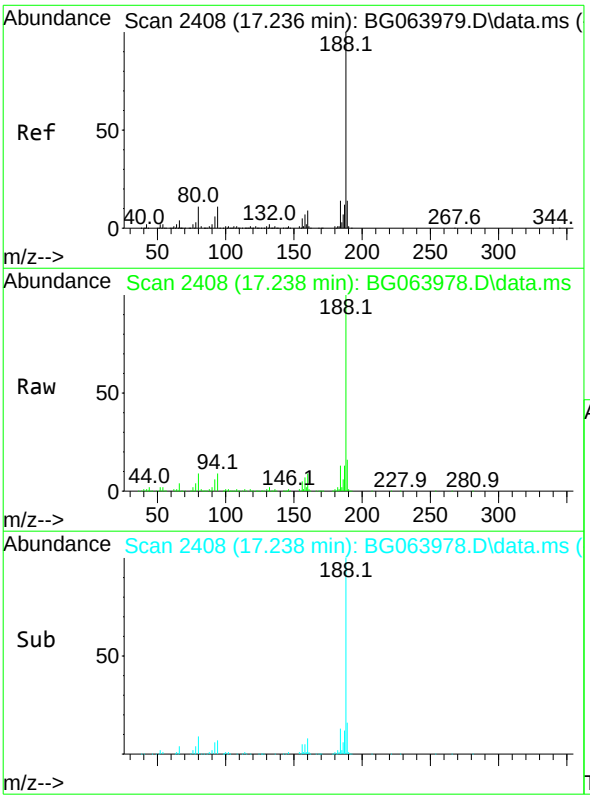
#63
Azobenzene
Concen: 20.282 ng
RT: 15.834 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 298615

Ion	Ratio	Lower	Upper
77	100		
182	20.6	2.3	42.3
105	21.5	1.0	41.0
51	38.5	19.0	59.0

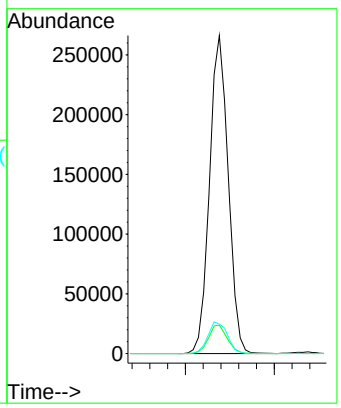


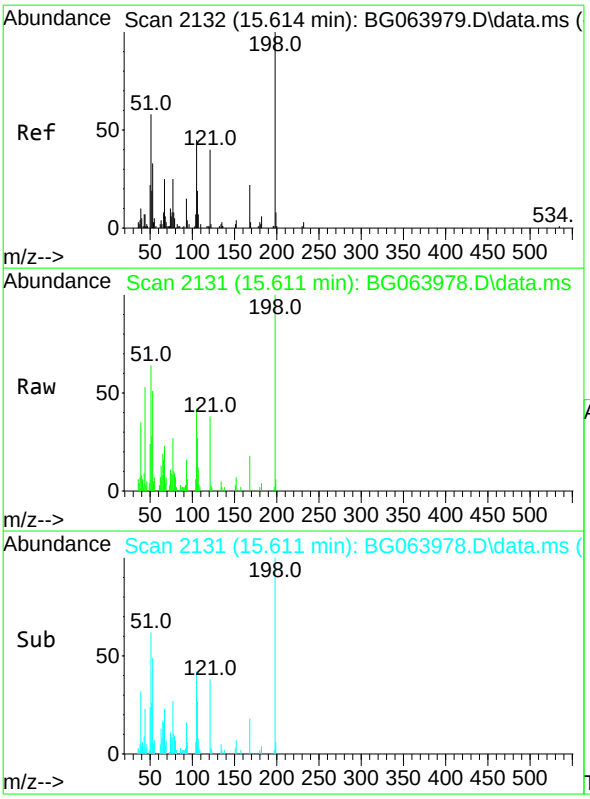


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.238 min Scan# 2408
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:188 Resp: 389300

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.6	13.0
80	9.3	8.5	12.7



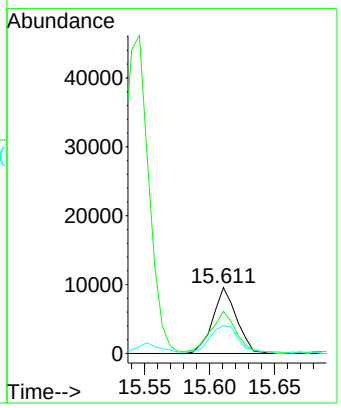


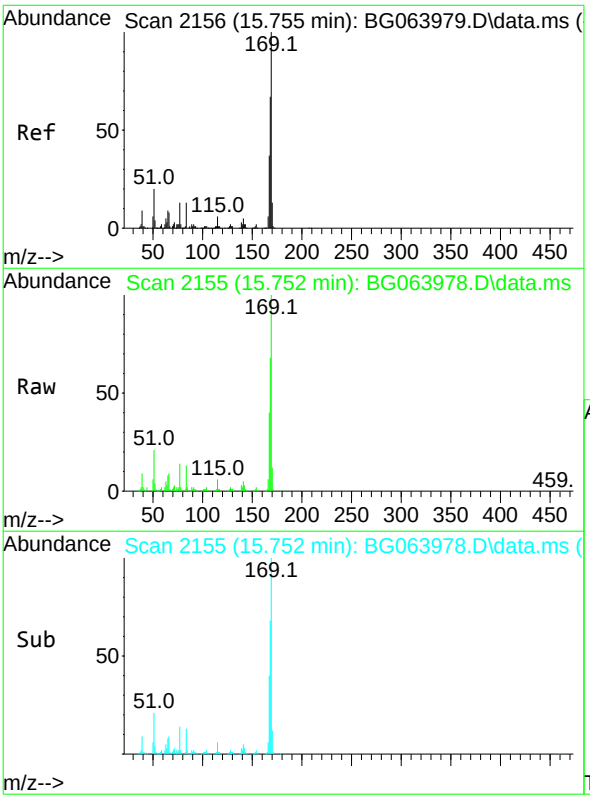
#65
4,6-Dinitro-2-methylphenol
Concen: 20.379 ng
RT: 15.611 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 12197

Ion	Ratio	Lower	Upper
198	100		
51	63.8	45.4	85.4
105	42.2	27.7	67.7

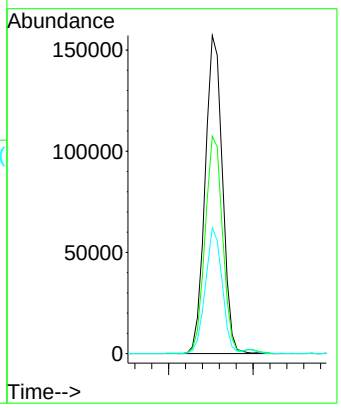


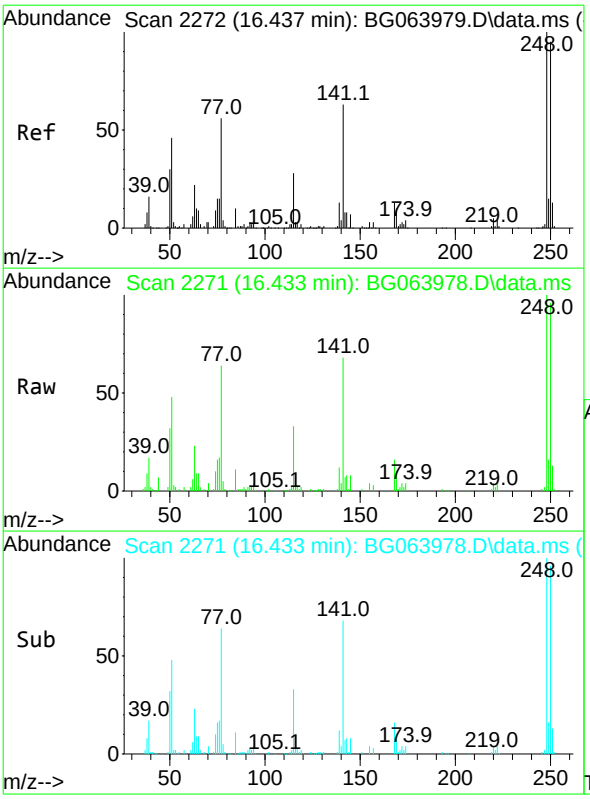


#66
n-Nitrosodiphenylamine
Concen: 20.763 ng
RT: 15.752 min Scan# 2155
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:169 Resp: 224114

Ion	Ratio	Lower	Upper
169	100		
168	68.4	53.5	80.3
167	39.6	30.0	45.0



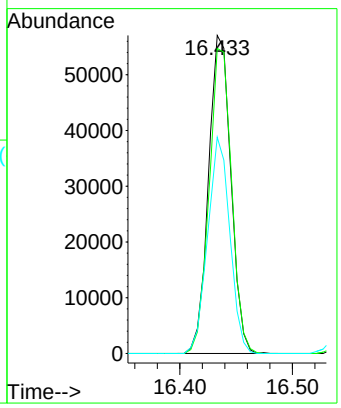


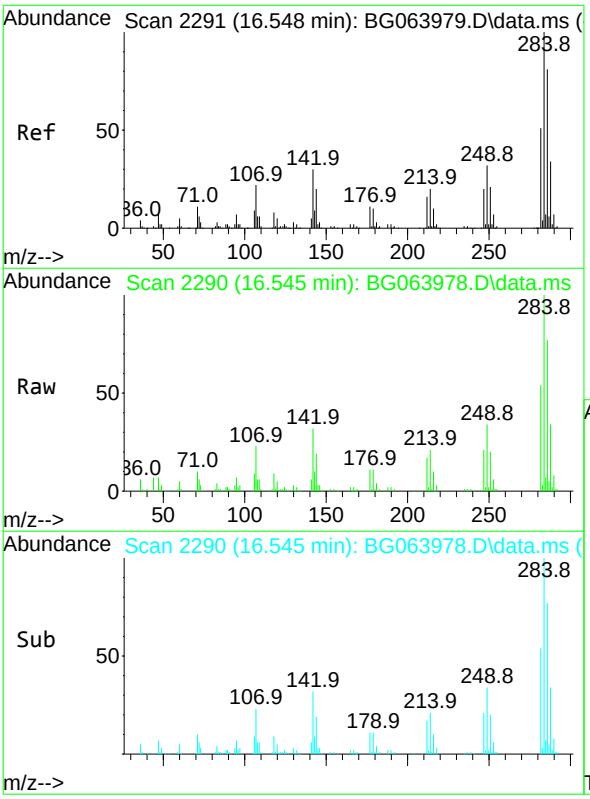
#67
4-Bromophenyl-phenylether
Concen: 20.328 ng
RT: 16.433 min Scan# 22
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 78770

Ion	Ratio	Lower	Upper
248	100		
250	95.9	76.2	114.4
141	68.0	50.6	75.8

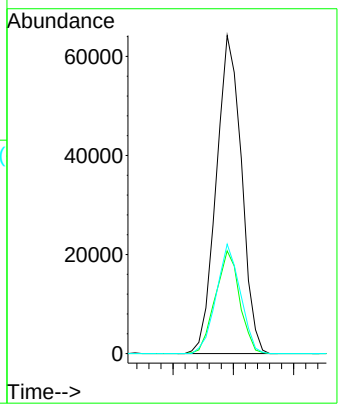


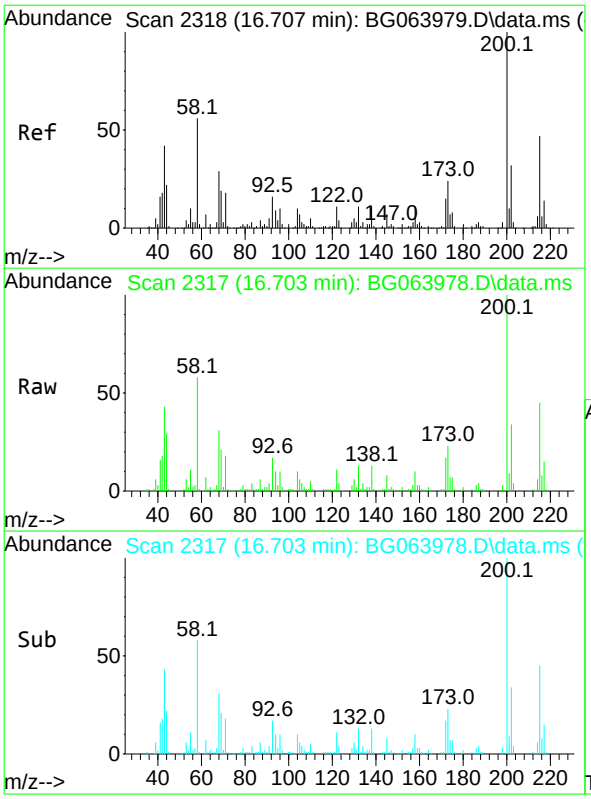


#68
Hexachlorobenzene
Concen: 20.519 ng
RT: 16.545 min Scan# 2290
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:284 Resp: 93475

Ion	Ratio	Lower	Upper
284	100		
142	32.3	23.8	35.8
249	34.4	25.9	38.9



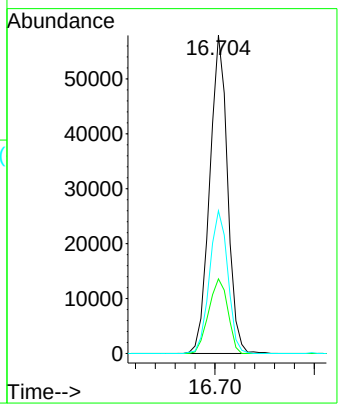


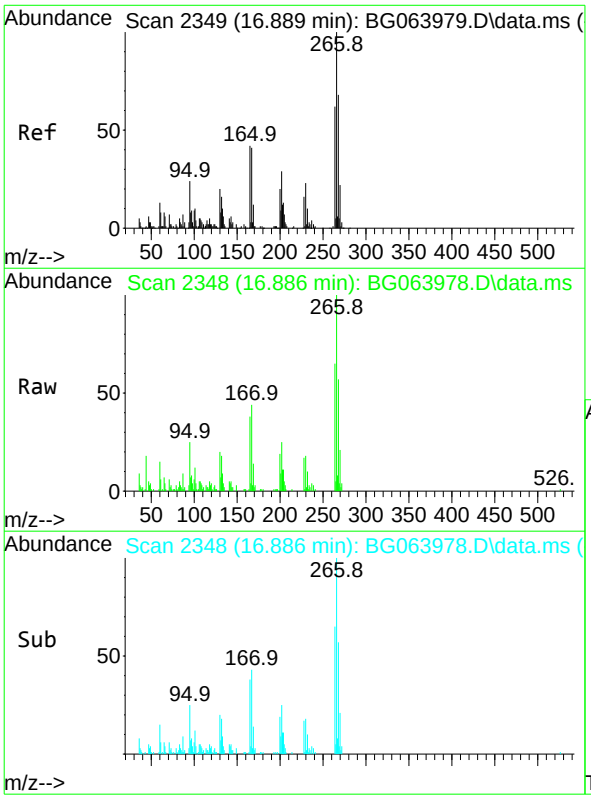
#69
Atrazine
Concen: 20.079 ng
RT: 16.703 min Scan# 23
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 72124

Ion	Ratio	Lower	Upper
200	100		
173	23.5	3.8	43.8
215	44.9	26.6	66.6

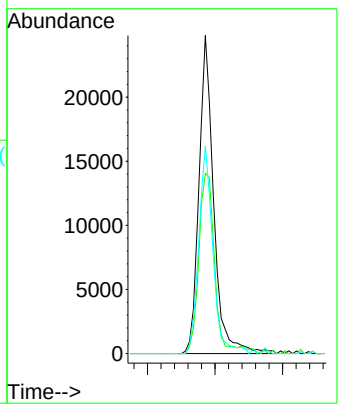


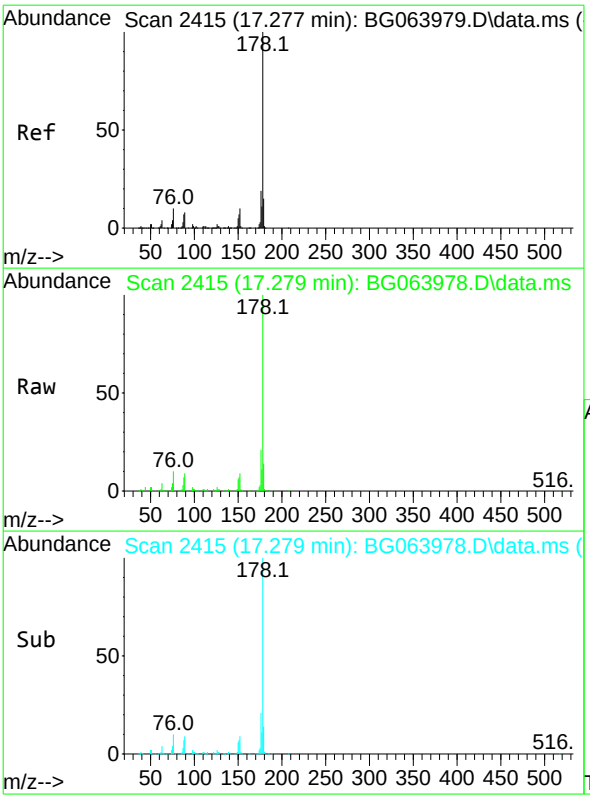


#70
Pentachlorophenol
Concen: 19.961 ng
RT: 16.886 min Scan# 2348
Delta R.T. -0.003 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:266 Resp: 37635

Ion	Ratio	Lower	Upper
266	100		
268	56.6	54.8	82.2
264	65.2	50.0	75.0



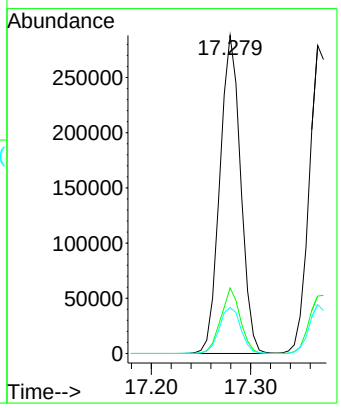


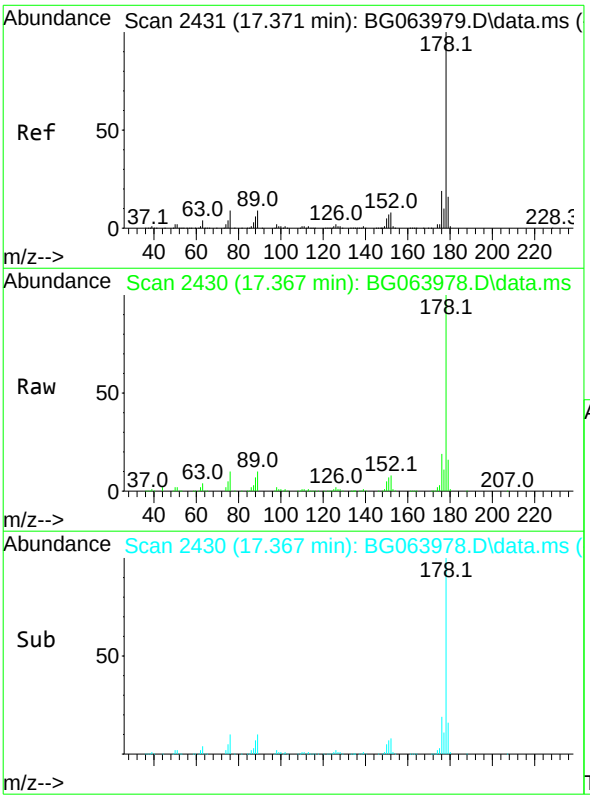
#71
Phenanthrene
Concen: 20.513 ng
RT: 17.279 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 419431

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.5	23.3
179	14.5	12.2	18.4

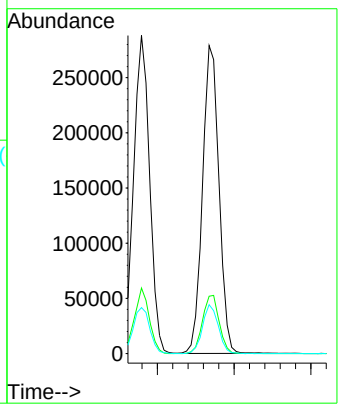


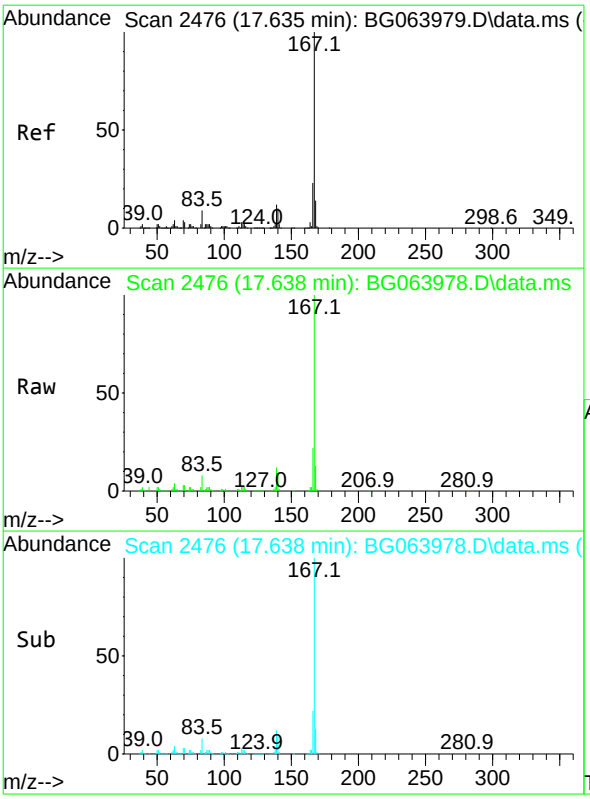


#72
Anthracene
Concen: 20.259 ng
RT: 17.367 min Scan# 2430
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:178 Resp: 414489

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.9	12.8	19.2



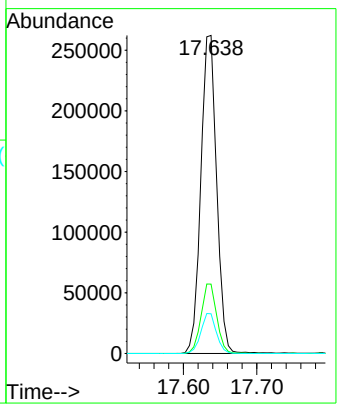


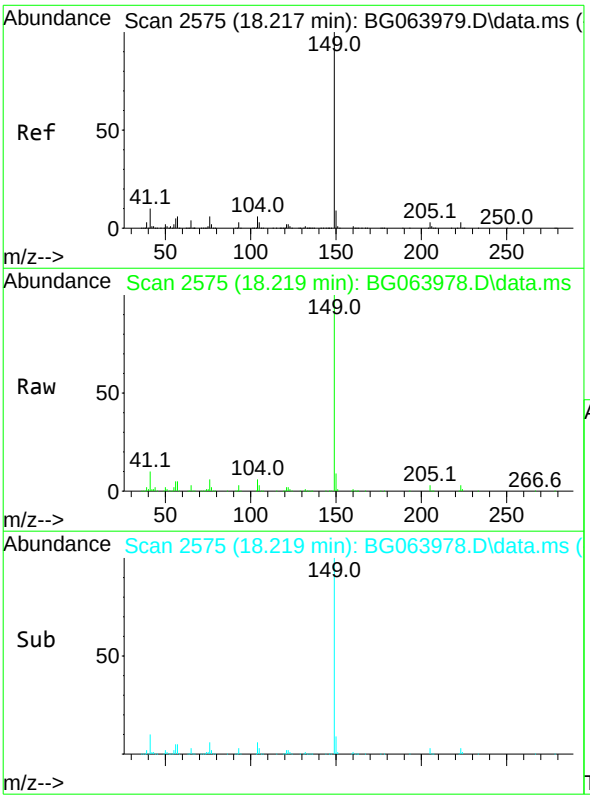
#73
Carbazole
Concen: 20.500 ng
RT: 17.638 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 392636

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.6	28.0
139	12.5	9.8	14.8

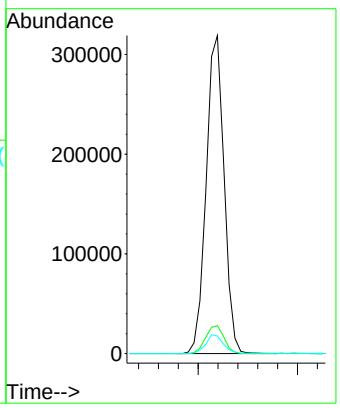


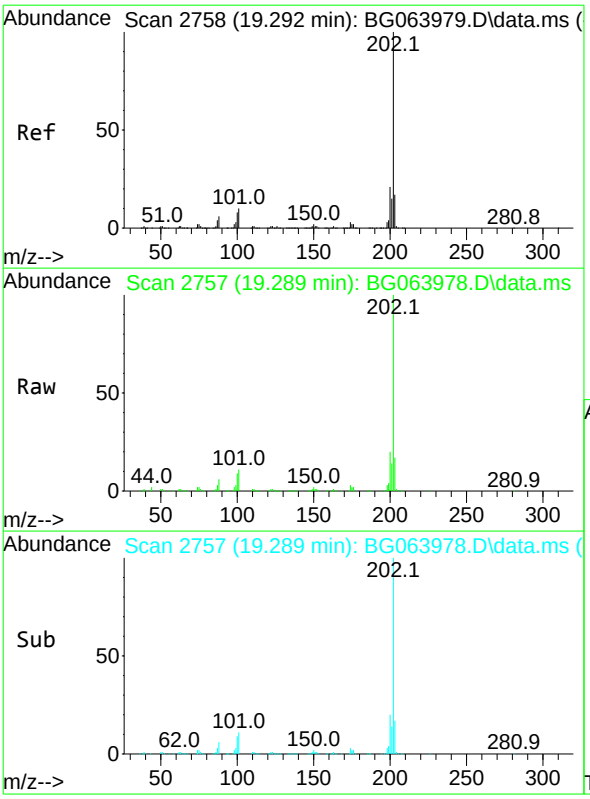


#74
Di-n-butylphthalate
Concen: 20.001 ng
RT: 18.219 min Scan# 2575
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:149 Resp: 399305

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.5	4.6	6.8



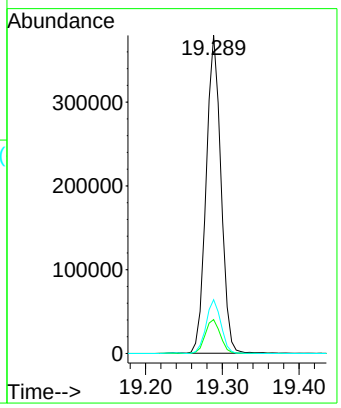


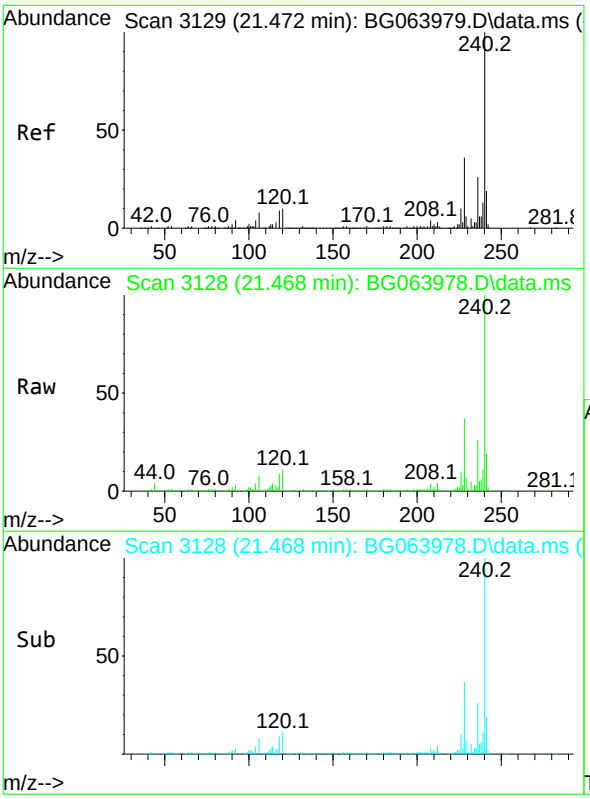
#75
Fluoranthene
Concen: 20.357 ng
RT: 19.289 min Scan# 27
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 506855

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.4
203	16.9	0.0	37.0

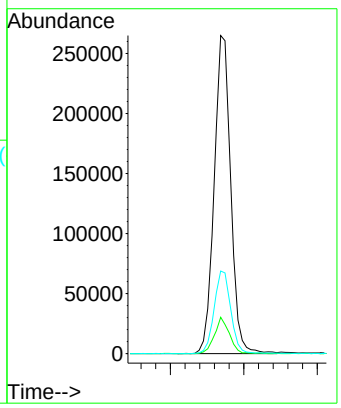


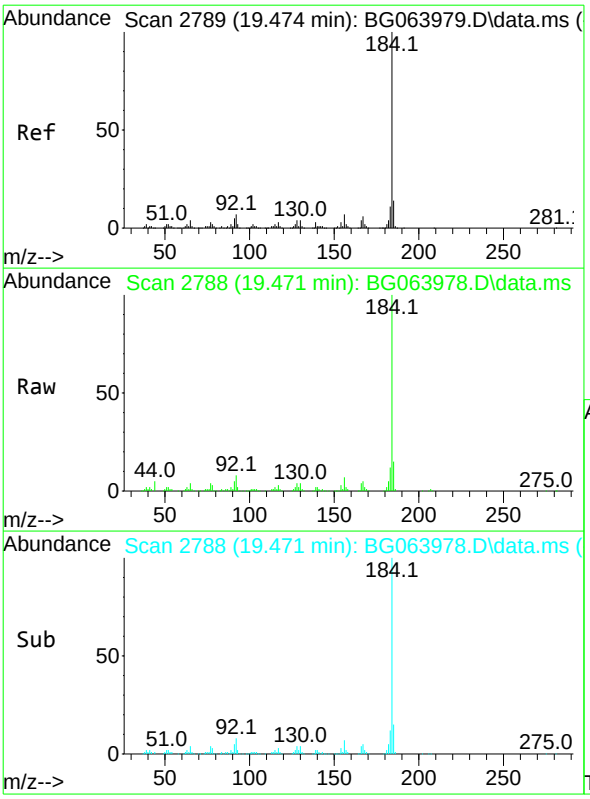


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3128
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:240 Resp: 414344

Ion	Ratio	Lower	Upper
240	100		
120	11.4	7.9	11.9
236	26.0	21.0	31.6



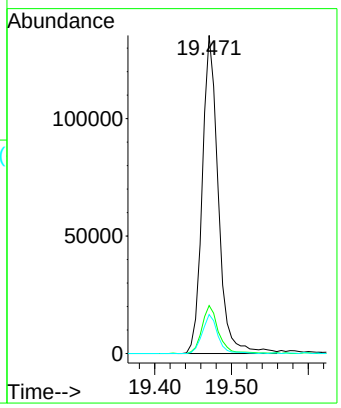


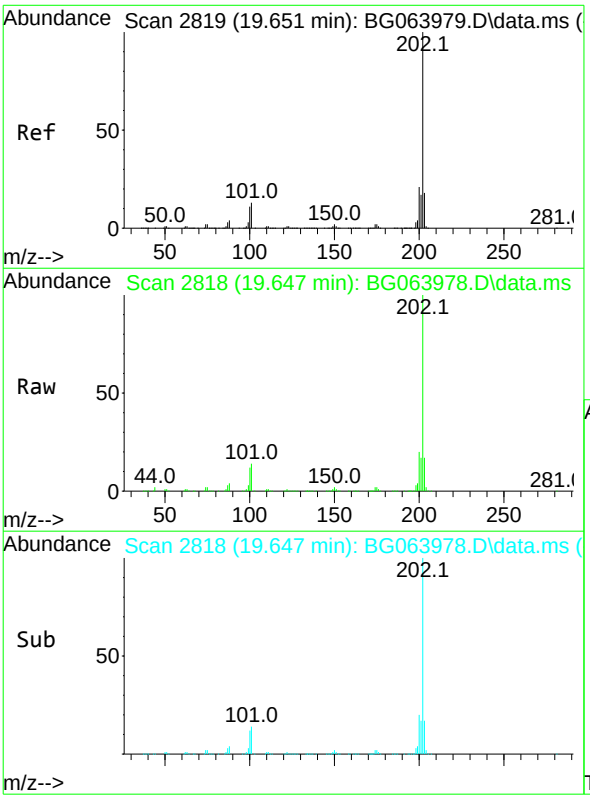
#77
Benzidine
Concen: 22.237 ng
RT: 19.471 min Scan# 27
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 196204

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.2	16.8
183	12.2	8.7	13.1

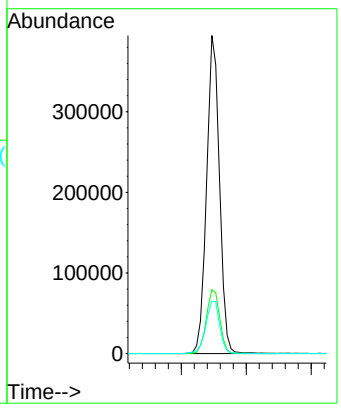


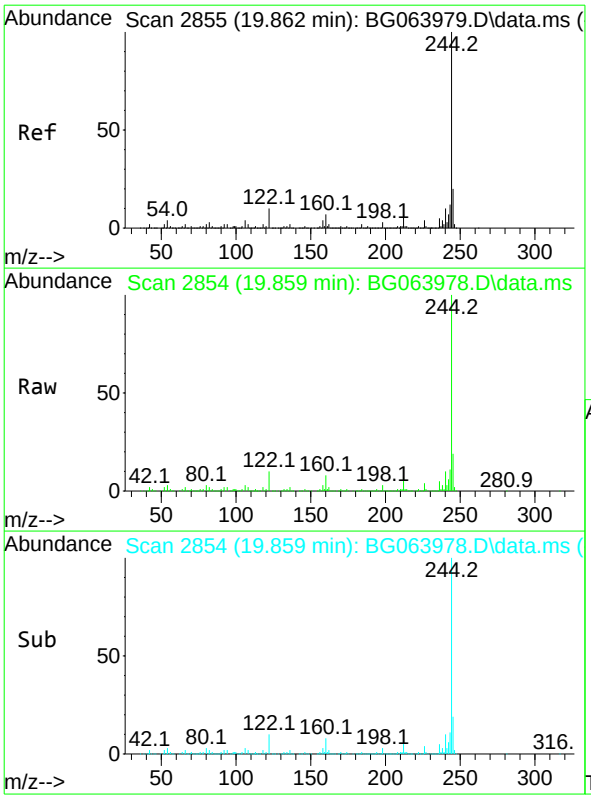


#78
Pyrene
Concen: 21.229 ng
RT: 19.647 min Scan# 2818
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:202 Resp: 543017

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	16.5	14.5	21.7



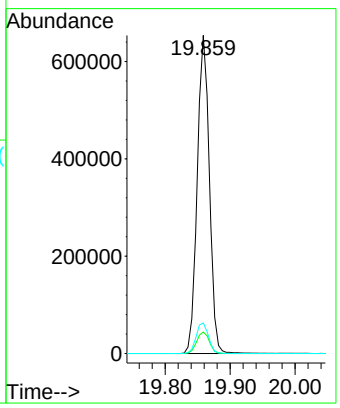


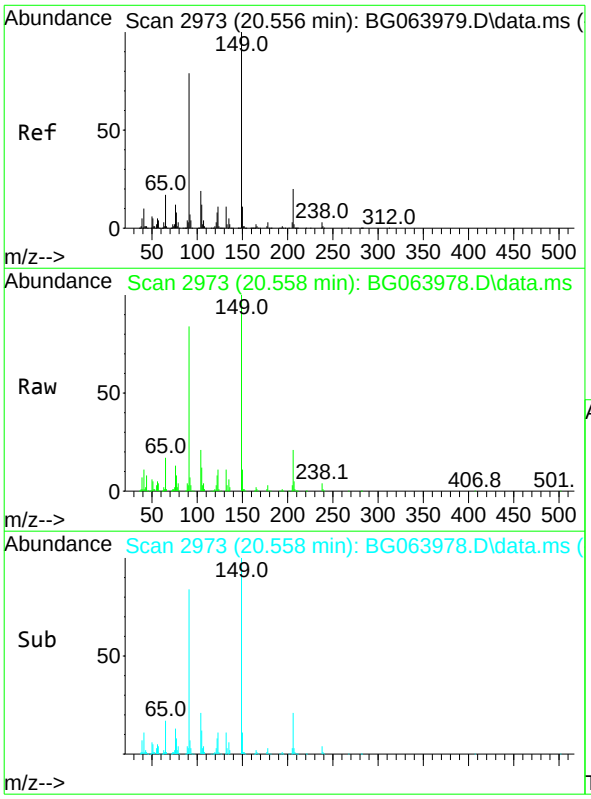
#79
Terphenyl-d14
Concen: 42.729 ng
RT: 19.859 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 847728

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	9.6	7.7	11.5

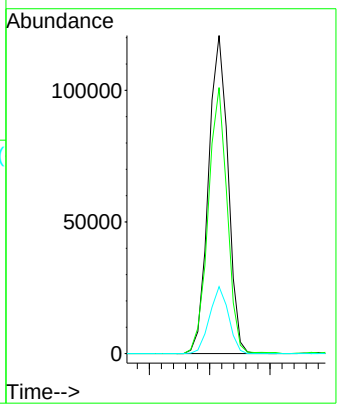


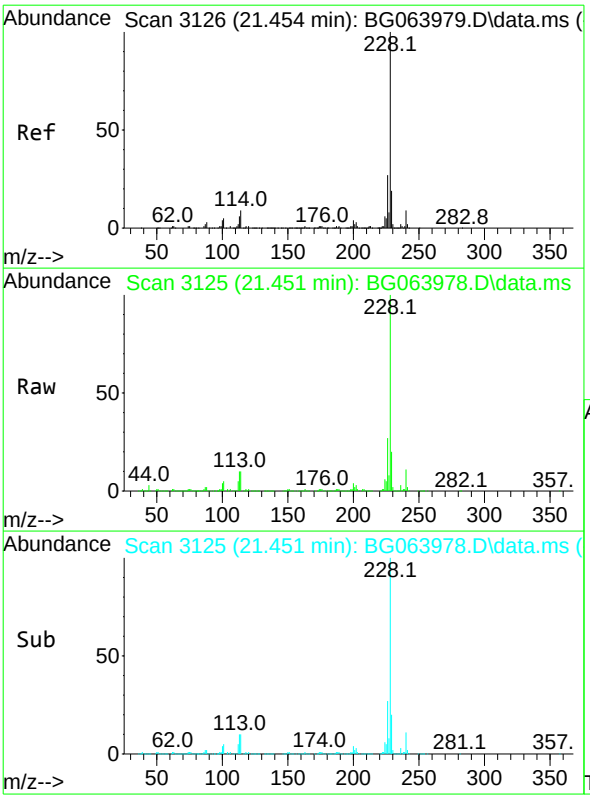


#80
Butylbenzylphthalate
Concen: 19.032 ng
RT: 20.558 min Scan# 2973
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:149 Resp: 136121

Ion	Ratio	Lower	Upper
149	100		
91	83.6	63.0	94.6
206	21.0	15.8	23.6



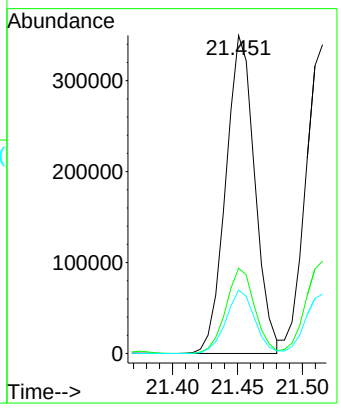


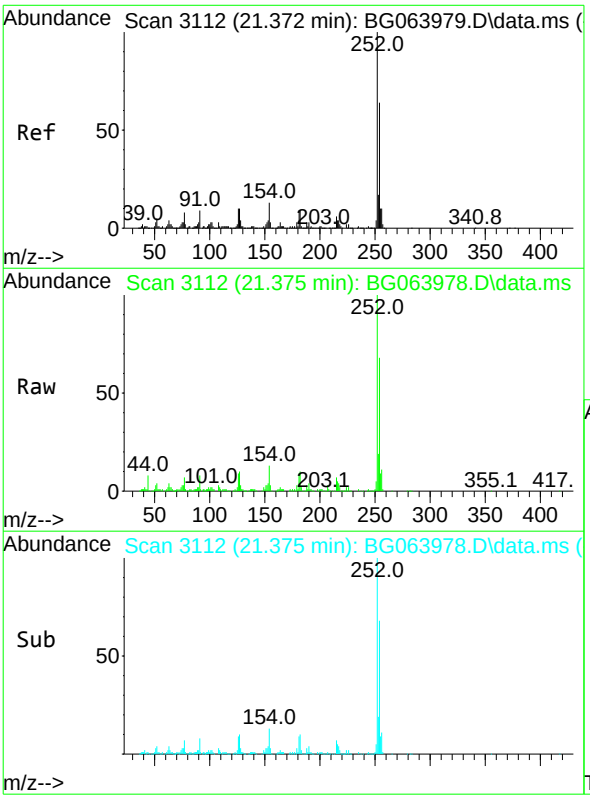
#81
Benzo(a)anthracene
Concen: 20.658 ng
RT: 21.451 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 543443

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.6
229	19.9	15.5	23.3

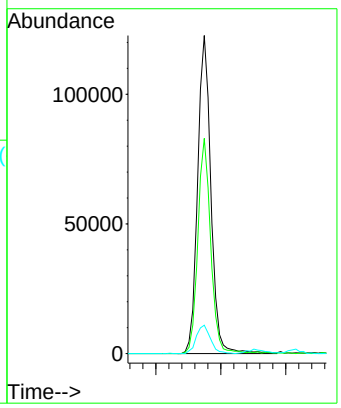


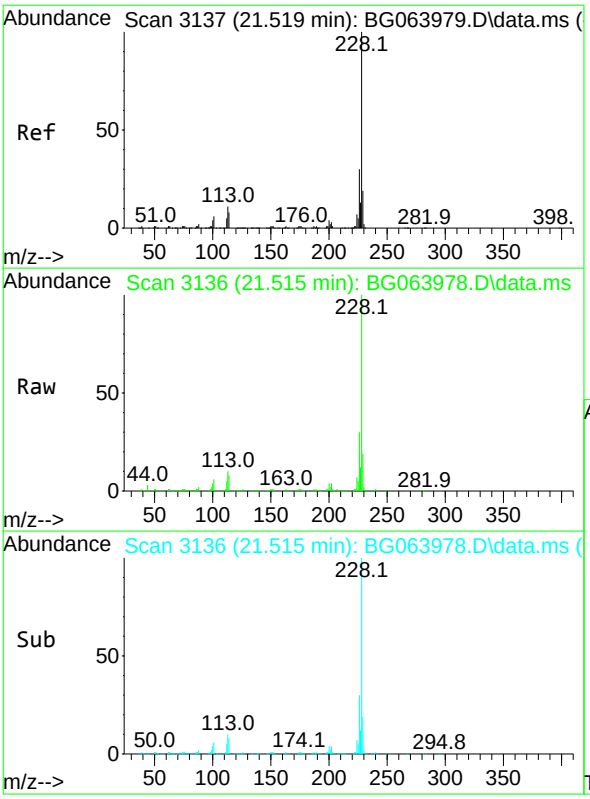


#82
3,3'-Dichlorobenzidine
Concen: 21.282 ng
RT: 21.375 min Scan# 3112
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:252 Resp: 174352

Ion	Ratio	Lower	Upper
252	100		
254	67.7	50.8	76.2
126	8.9	8.2	12.2



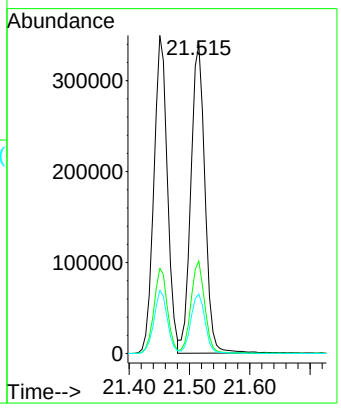


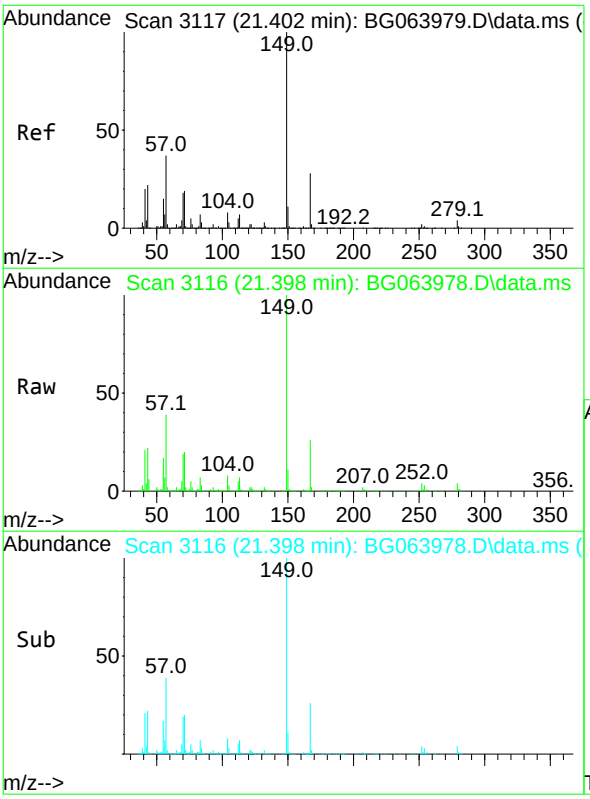
#83
Chrysene
Concen: 21.068 ng
RT: 21.515 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 551557

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.2	15.4	23.0

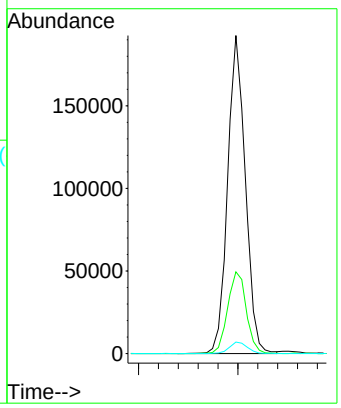


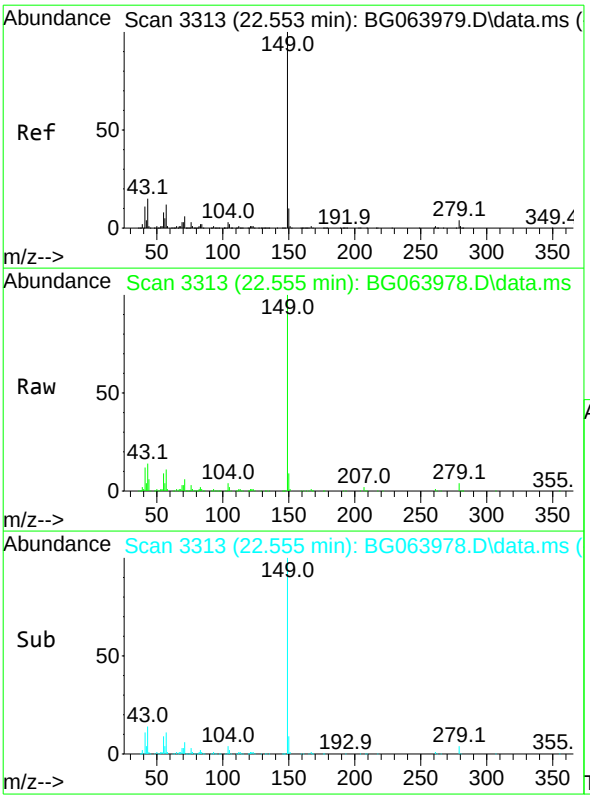


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.549 ng
RT: 21.398 min Scan# 3116
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:149 Resp: 238172

Ion	Ratio	Lower	Upper
149	100		
167	25.7	22.5	33.7
279	3.6	3.0	4.4



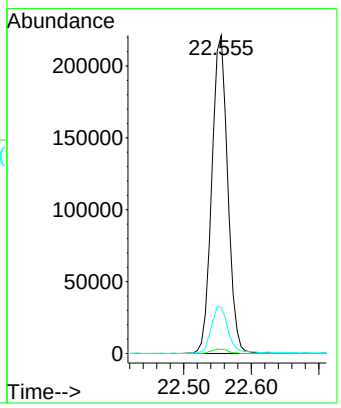


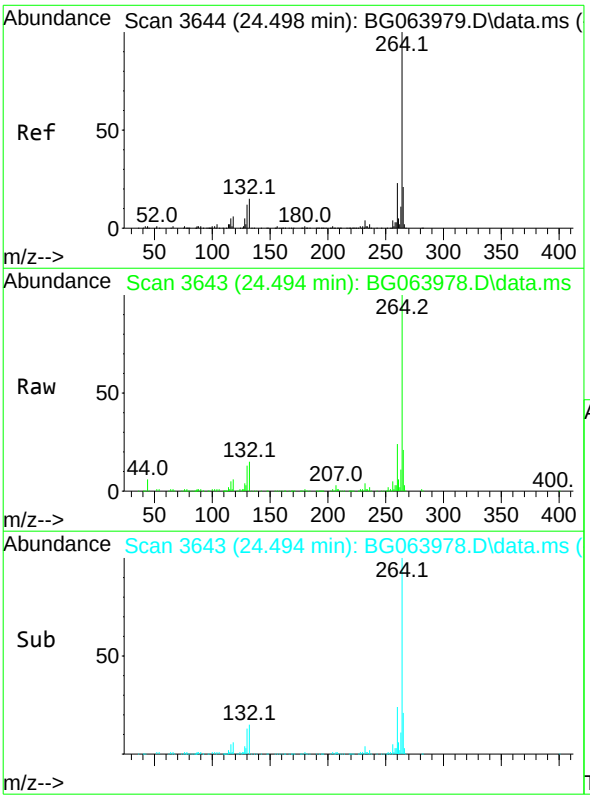
#85
Di-n-octyl phthalate
Concen: 20.139 ng
RT: 22.555 min Scan# 33
Delta R.T. 0.002 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 361674

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	16.0	12.3	18.5

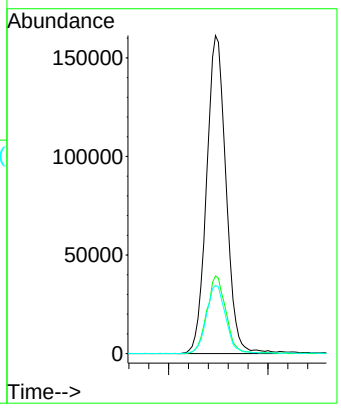


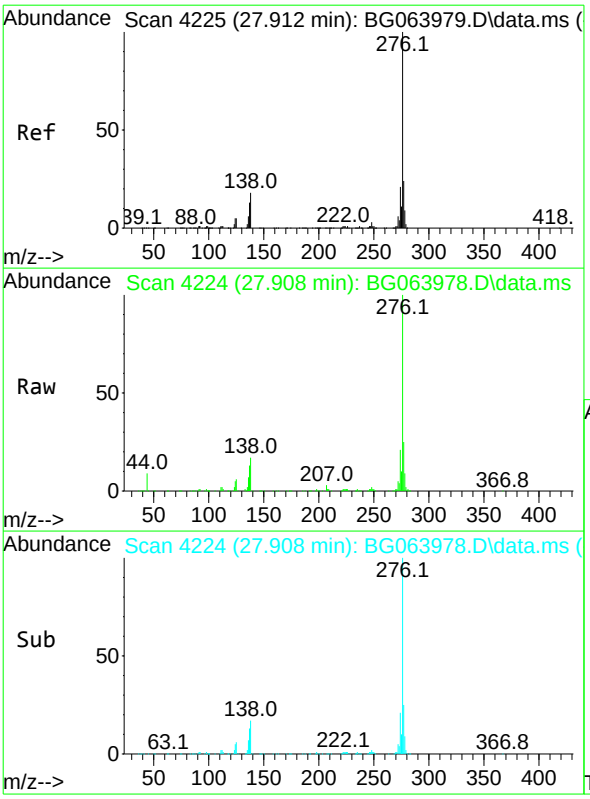


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.494 min Scan# 3643
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:264 Resp: 439096

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.4	16.6	24.8



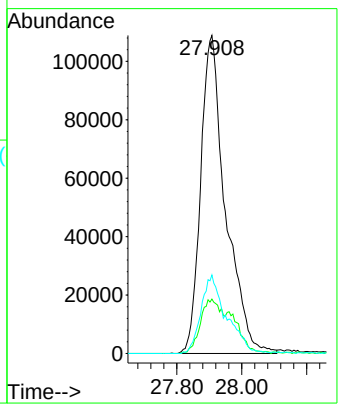


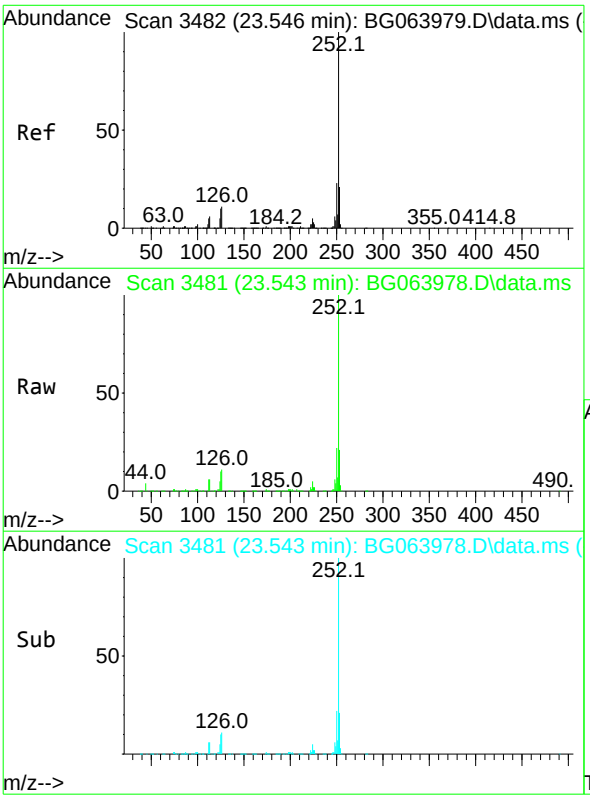
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.440 ng
RT: 27.908 min Scan# 42
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 579009

Ion	Ratio	Lower	Upper
276	100		
138	14.8	10.7	16.1
277	25.2	20.2	30.4

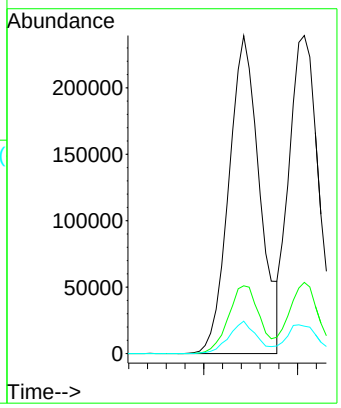


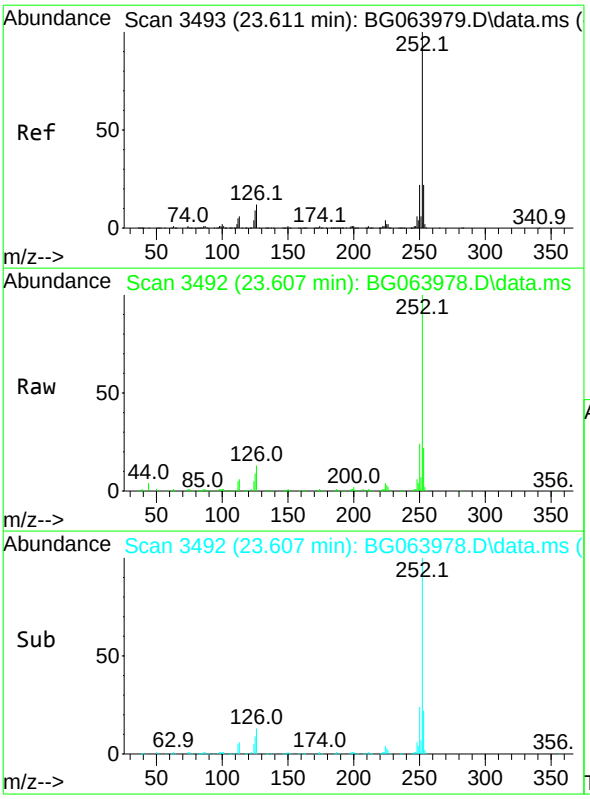


#88
Benzo(b)fluoranthene
Concen: 21.114 ng
RT: 23.543 min Scan# 3481
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:252 Resp: 545931

Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.9	25.3
125	10.2	7.9	11.9



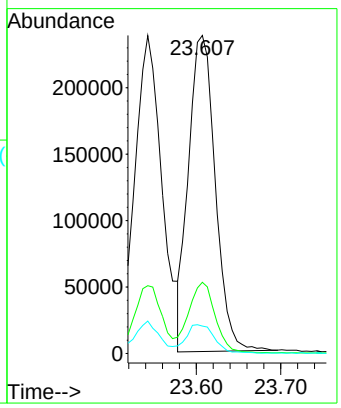


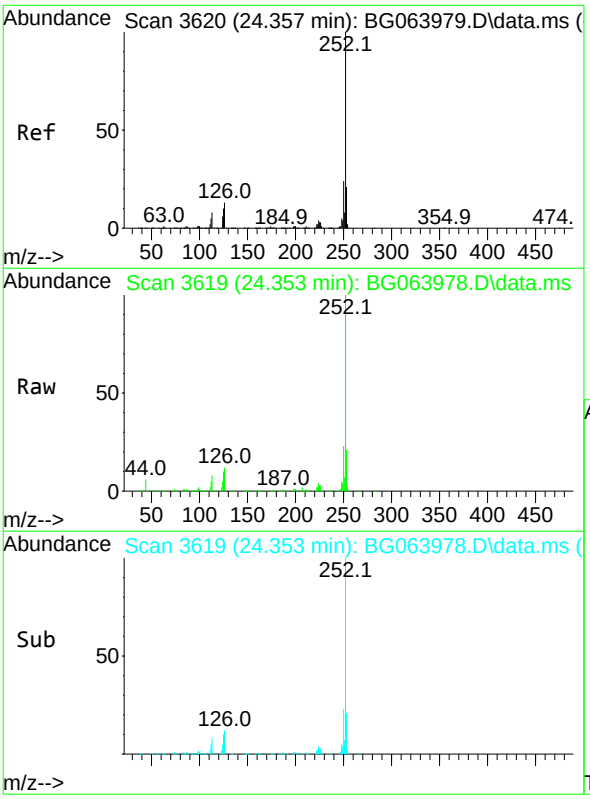
#89
Benzo(k)fluoranthene
Concen: 19.718 ng
RT: 23.607 min Scan# 34
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 523492

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	8.6	7.5	11.3

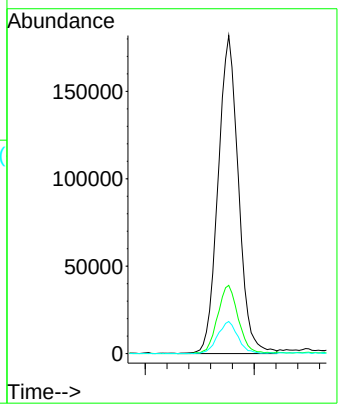


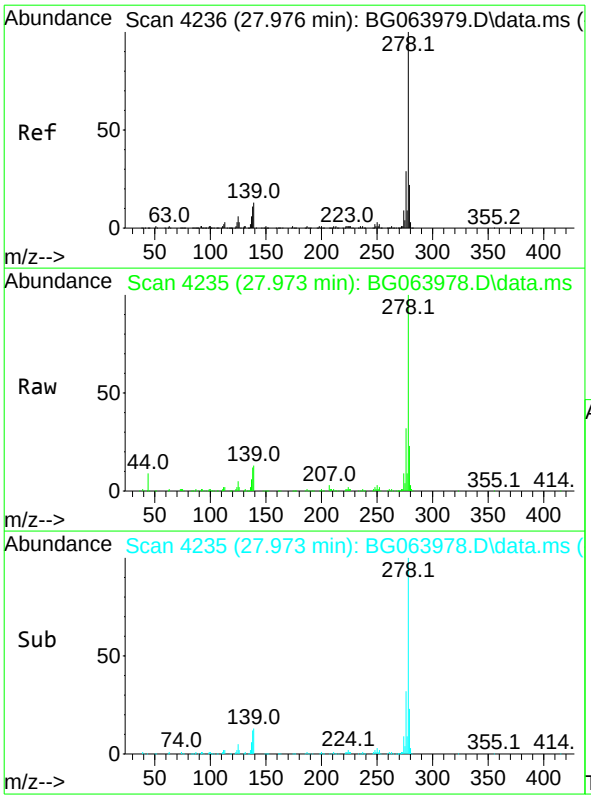


#90
Benzo(a)pyrene
Concen: 20.508 ng
RT: 24.353 min Scan# 3619
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:252 Resp: 473300

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.1	7.9	11.9



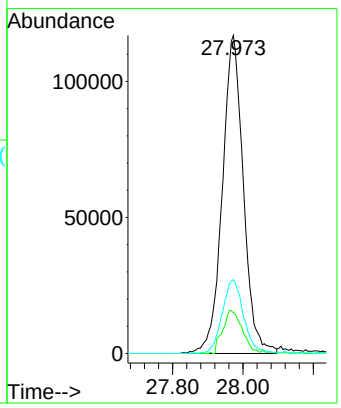


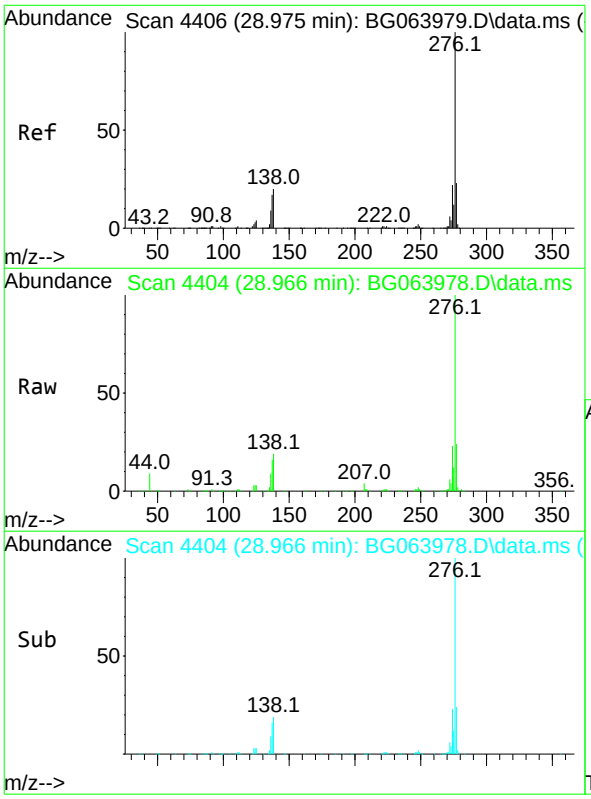
#91
Dibenzo(a,h)anthracene
Concen: 20.320 ng
RT: 27.973 min Scan# 42
Delta R.T. -0.004 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 486050

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.8	16.2
279	23.2	17.8	26.6

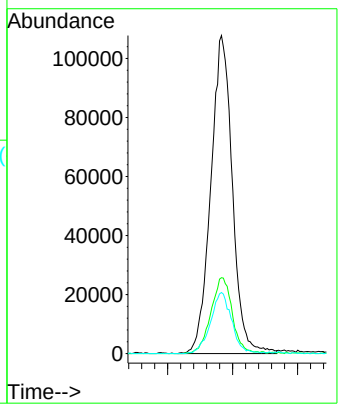




#92
Benzo(g,h,i)perylene
Concen: 20.587 ng
RT: 28.966 min Scan# 4404
Delta R.T. -0.009 min
Lab File: BG063978.D
Acq: 3 Feb 2025 13:11

Tgt Ion:276 Resp: 497129

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.2	27.4
138	19.2	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063979.D
Acq On : 3 Feb 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Quant Time: Feb 04 02:46:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	58215	20.000	ng	0.00
21) Naphthalene-d8	10.661	136	254634	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	171313	20.000	ng	0.00
64) Phenanthrene-d10	17.236	188	370673	20.000	ng	0.00
76) Chrysene-d12	21.472	240	406429	20.000	ng	0.00
86) Perylene-d12	24.498	264	431314	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.461	112	310604	85.544	ng	0.00
7) Phenol-d6	7.036	99	416114	83.510	ng	0.00
23) Nitrobenzene-d5	9.028	82	342204	81.676	ng	0.00
42) 2,4,6-Tribromophenol	15.984	330	130268	73.373	ng	0.00
45) 2-Fluorobiphenyl	13.123	172	898918	80.395	ng	0.00
79) Terphenyl-d14	19.862	244	1546856	79.486	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.393	88	69861	40.514	ng	100
3) Pyridine	3.781	79	194752	41.808	ng	100
4) n-Nitrosodimethylamine	3.699	42	108034	40.350	ng	100
6) Aniline	7.206	93	220230	41.244	ng	100
8) 2-Chlorophenol	7.441	128	157587	42.593	ng	100
9) Benzaldehyde	7.018	77	111112	40.848	ng	100
10) Phenol	7.065	94	216089	41.198	ng	100
11) bis(2-Chloroethyl)ether	7.300	93	172018	40.728	ng	100
12) 1,3-Dichlorobenzene	7.765	146	179229	40.710	ng	100
13) 1,4-Dichlorobenzene	7.912	146	180921	40.690	ng	100
14) 1,2-Dichlorobenzene	8.229	146	172378	40.449	ng	100
15) Benzyl Alcohol	8.111	79	154672	41.530	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.411	45	343411	40.378	ng	100
17) 2-Methylphenol	8.311	107	142808	42.098	ng	100
18) Hexachloroethane	8.957	117	62553	42.748	ng	100
19) n-Nitroso-di-n-propyla...	8.681	70	144686	41.931	ng	100
20) 3+4-Methylphenols	8.634	107	190536	42.160	ng	100
22) Acetophenone	8.693	105	280690	40.120	ng	100
24) Nitrobenzene	9.069	77	180345	38.095	ng	100
25) Isophorone	9.592	82	364239	40.103	ng	100
26) 2-Nitrophenol	9.780	139	38570	39.559	ng	100
27) 2,4-Dimethylphenol	9.839	122	109948	42.083	ng	100
28) bis(2-Chloroethoxy)met...	10.080	93	232223	40.182	ng	100
29) 2,4-Dichlorophenol	10.309	162	137391	38.427	ng	100
30) 1,2,4-Trichlorobenzene	10.526	180	172841	40.268	ng	100
31) Naphthalene	10.714	128	550914	40.354	ng	100
32) Benzoic acid	9.968	122	57583m	37.919	ng	
33) 4-Chloroaniline	10.814	127	213817	40.878	ng	100
34) Hexachlorobutadiene	11.008	225	109810	40.173	ng	100
35) Caprolactam	11.578	113	49255	38.096	ng	100
36) 4-Chloro-3-methylphenol	11.936	107	178005	42.565	ng	100
37) 2-Methylnaphthalene	12.324	142	382546	40.211	ng	100
38) 1-Methylnaphthalene	12.541	142	371846	39.502	ng	100
40) 1,2,4,5-Tetrachloroben...	12.688	216	201175	39.822	ng	100
41) Hexachlorocyclopentadiene	12.677	237	55630	40.817	ng	100
43) 2,4,6-Trichlorophenol	12.929	196	109593	38.035	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063979.D
Acq On : 3 Feb 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Quant Time: Feb 04 02:46:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.994	196	127838	39.072	ng	100
46) 1,1'-Biphenyl	13.335	154	522991	40.097	ng	100
47) 2-Chloronaphthalene	13.370	162	378606	39.825	ng	100
48) 2-Nitroaniline	13.570	65	91764	38.321	ng	100
49) Acenaphthylene	14.222	152	593049	40.161	ng	100
50) Dimethylphthalate	13.957	163	472774	41.622	ng	100
51) 2,6-Dinitrotoluene	14.069	165	78903	38.638	ng	100
52) Acenaphthene	14.563	154	392940	39.670	ng	100
53) 3-Nitroaniline	14.392	138	91397	37.599	ng	100
54) 2,4-Dinitrophenol	14.592	184	17325	37.854	ng	100
55) Dibenzofuran	14.897	168	639708	39.775	ng	100
56) 4-Nitrophenol	14.692	139	68812	36.454	ng	100
57) 2,4-Dinitrotoluene	14.856	165	100291	38.133	ng	100
58) Fluorene	15.544	166	492419	39.612	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.121	232	115130	37.040	ng	100
60) Diethylphthalate	15.326	149	506557	42.063	ng	100
61) 4-Chlorophenyl-phenyle...	15.544	204	242572	38.891	ng	100
62) 4-Nitroaniline	15.556	138	99097	37.793	ng	100
63) Azobenzene	15.838	77	560634	39.414	ng	100
65) 4,6-Dinitro-2-methylph...	15.614	198	31222	39.130	ng	100
66) n-Nitrosodiphenylamine	15.755	169	420890	40.953	ng	100
67) 4-Bromophenyl-phenylether	16.437	248	151128	40.962	ng	100
68) Hexachlorobenzene	16.548	284	177766	40.982	ng	100
69) Atrazine	16.707	200	146392	42.803	ng	100
70) Pentachlorophenol	16.889	266	90008	37.000	ng	100
71) Phenanthrene	17.277	178	785058	40.325	ng	100
72) Anthracene	17.371	178	790085	40.557	ng	100
73) Carbazole	17.635	167	733964	40.247	ng	100
74) Di-n-butylphthalate	18.217	149	840439	44.212	ng	100
75) Fluoranthene	19.292	202	958478	40.430	ng	100
77) Benzidine	19.474	184	383004	44.254	ng	100
78) Pyrene	19.651	202	1002470	39.954	ng	100
80) Butylbenzylphthalate	20.556	149	315091	37.357	ng	100
81) Benzo(a)anthracene	21.454	228	1040731	40.331	ng	100
82) 3,3'-Dichlorobenzidine	21.372	252	352733	43.893	ng	100
83) Chrysene	21.519	228	1014525	39.507	ng	100
84) Bis(2-ethylhexyl)phtha...	21.402	149	528301	38.571	ng	100
85) Di-n-octyl phthalate	22.553	149	829893	37.813	ng	100
87) Indeno(1,2,3-cd)pyrene	27.912	276	1127623	40.525	ng	100
88) Benzo(b)fluoranthene	23.546	252	1036813	40.823	ng	100
89) Benzo(k)fluoranthene	23.611	252	1069986	41.029	ng	100
90) Benzo(a)pyrene	24.357	252	918885	40.533	ng	100
91) Dibenzo(a,h)anthracene	27.976	278	956574	40.713	ng	100
92) Benzo(g,h,i)perylene	28.975	276	957984	40.388	ng	100

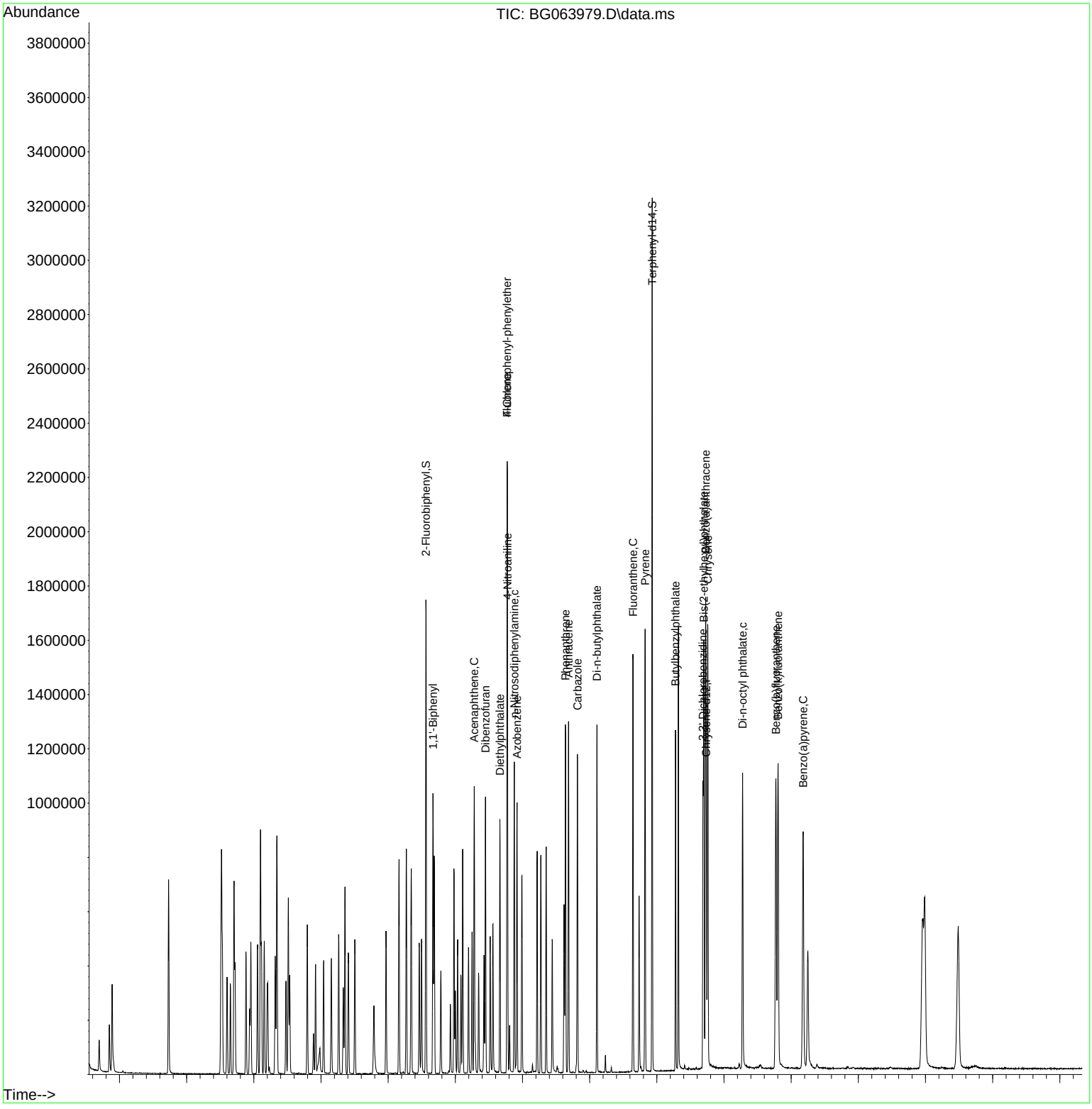
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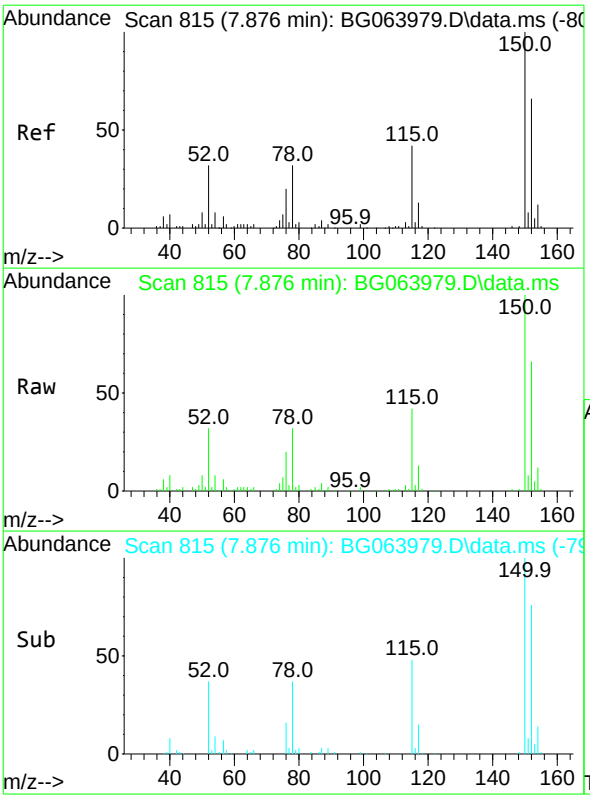
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063979.D
Acq On : 3 Feb 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Quant Time: Feb 04 02:46:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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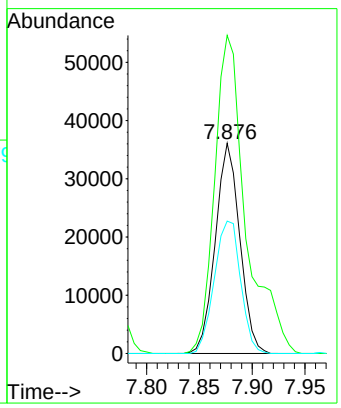


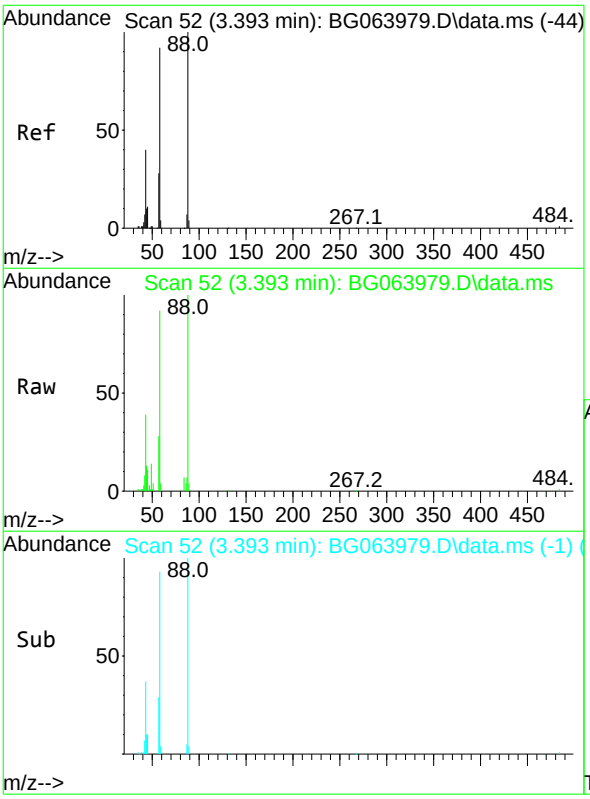
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.876 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 58215

Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.0	181.6
115	63.0	50.4	75.6

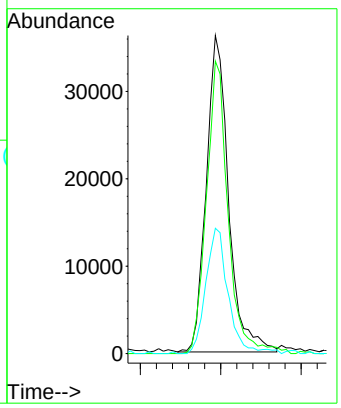


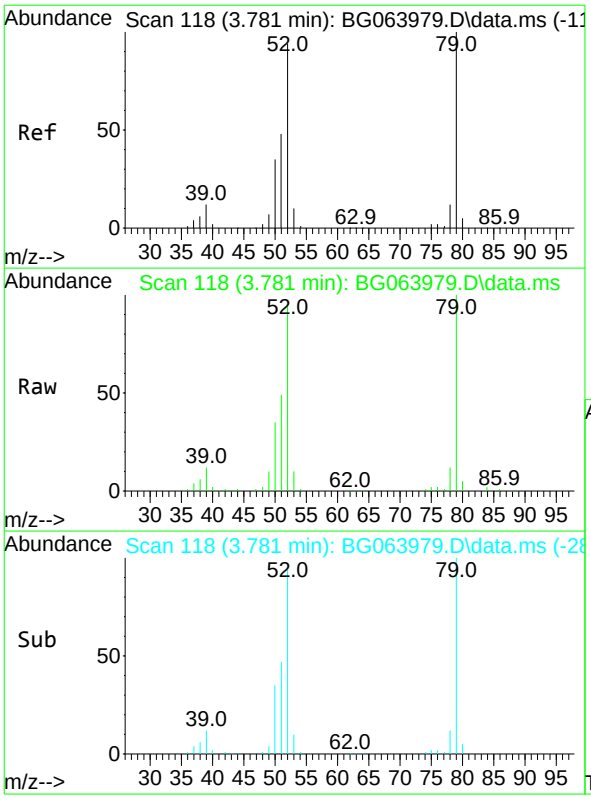


#2
1,4-Dioxane
Concen: 40.514 ng
RT: 3.393 min Scan# 52
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 88 Resp: 69861

Ion	Ratio	Lower	Upper
88	100		
58	89.8	71.8	107.8
43	39.0	31.2	46.8



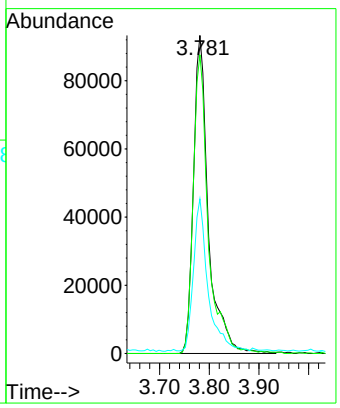


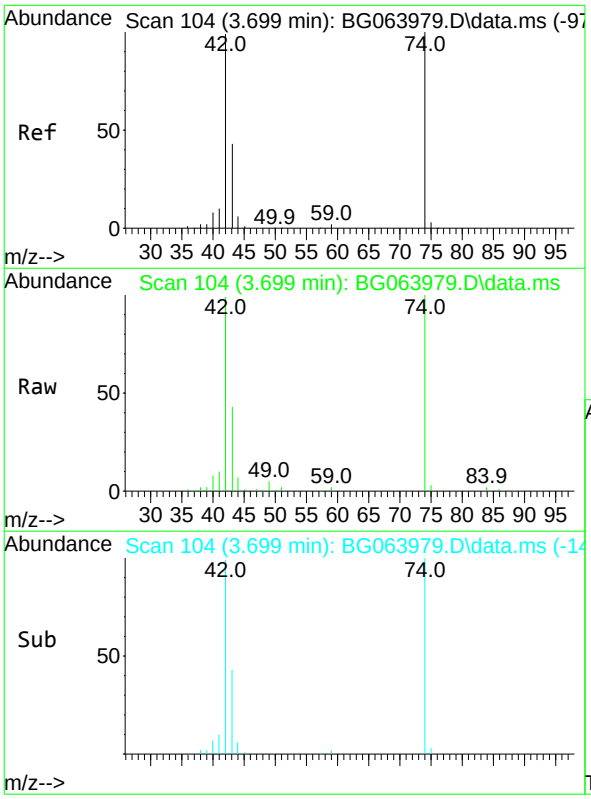
#3
Pyridine
Concen: 41.808 ng
RT: 3.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 194752

Ion	Ratio	Lower	Upper
79	100		
52	93.9	75.1	112.7
51	48.6	38.9	58.3

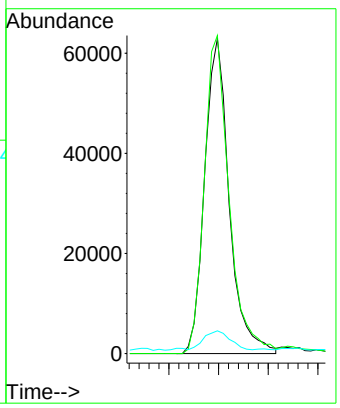


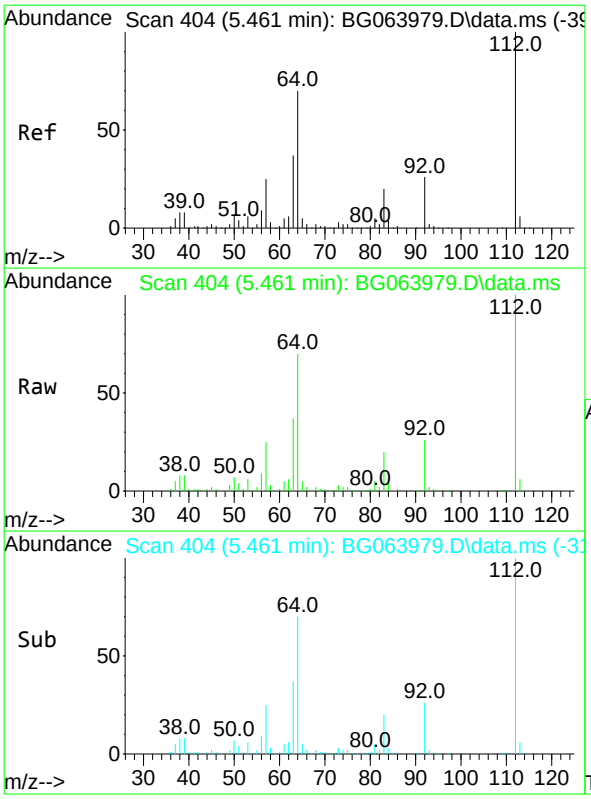


#4
n-Nitrosodimethylamine
Concen: 40.350 ng
RT: 3.699 min Scan# 104
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 42 Resp: 108034

Ion	Ratio	Lower	Upper
42	100		
74	101.0	80.8	121.2
44	7.2	5.8	8.6



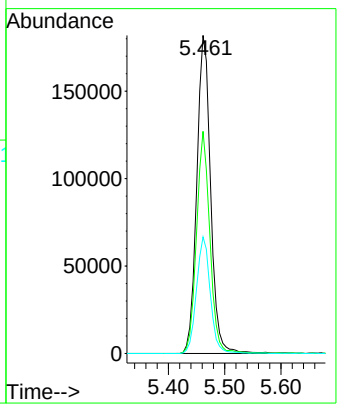


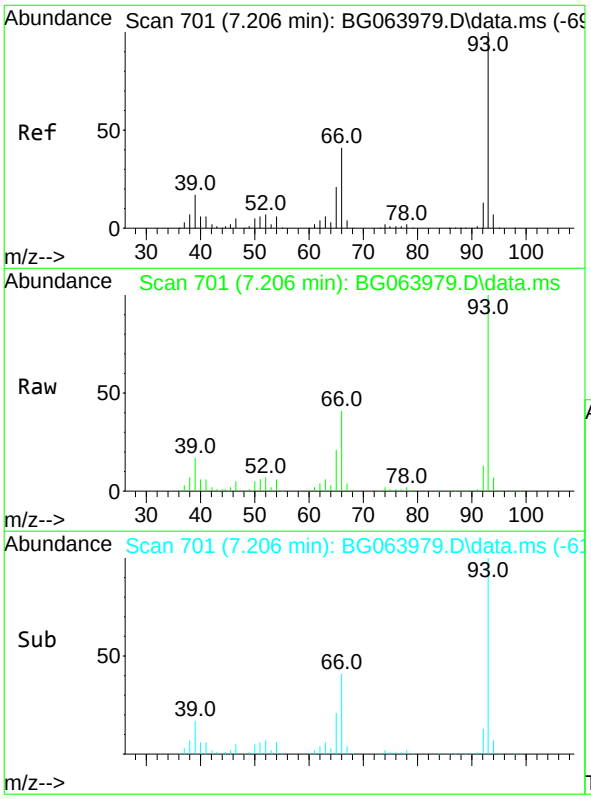
#5
2-Fluorophenol
Concen: 85.544 ng
RT: 5.461 min Scan# 40
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 310604

Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.8	83.8
63	36.6	29.3	43.9

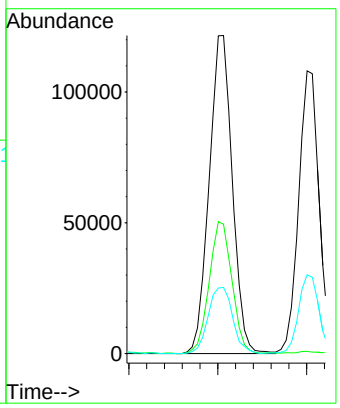


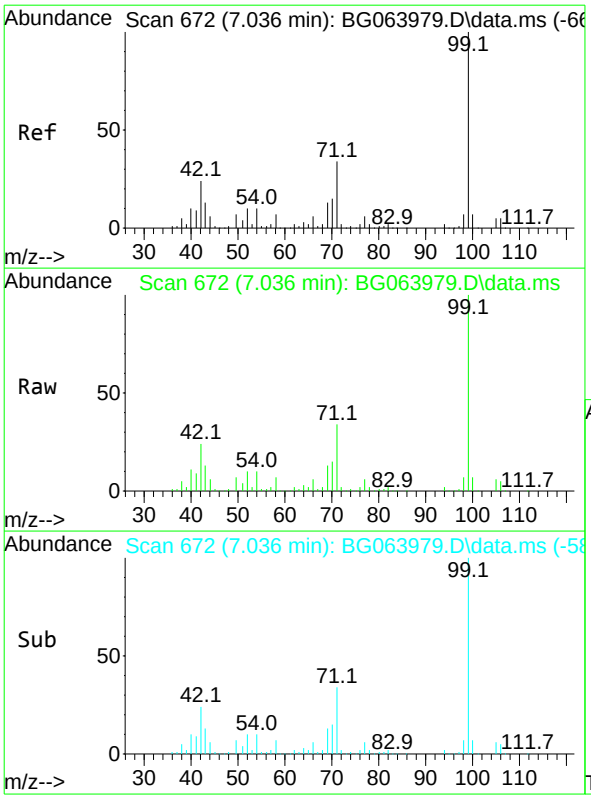


#6
Aniline
Concen: 41.244 ng
RT: 7.206 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 93 Resp: 220230

Ion	Ratio	Lower	Upper
93	100		
66	40.6	32.5	48.7
65	20.8	16.6	25.0



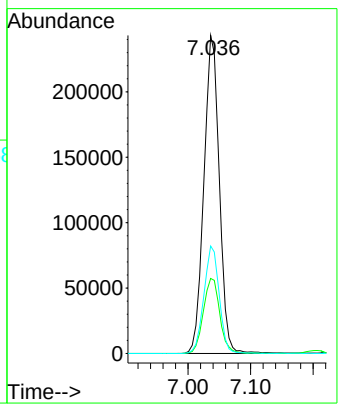


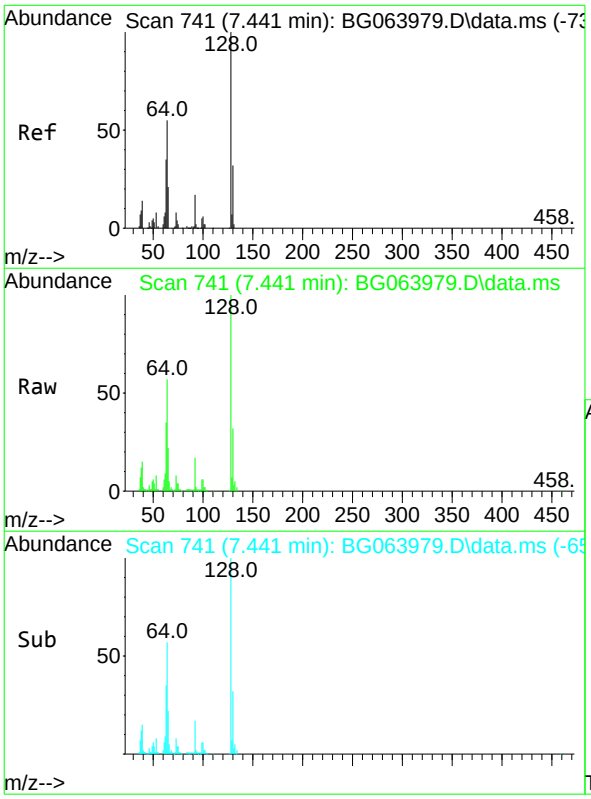
#7
Phenol-d6
Concen: 83.510 ng
RT: 7.036 min Scan# 67
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 416114

Ion	Ratio	Lower	Upper
99	100		
42	23.6	18.9	28.3
71	33.8	27.0	40.6

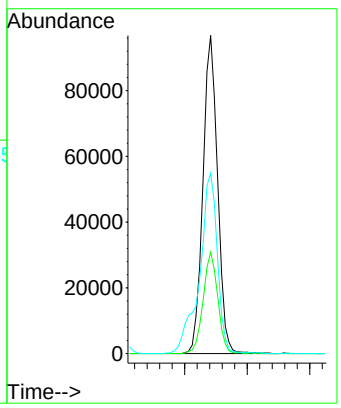


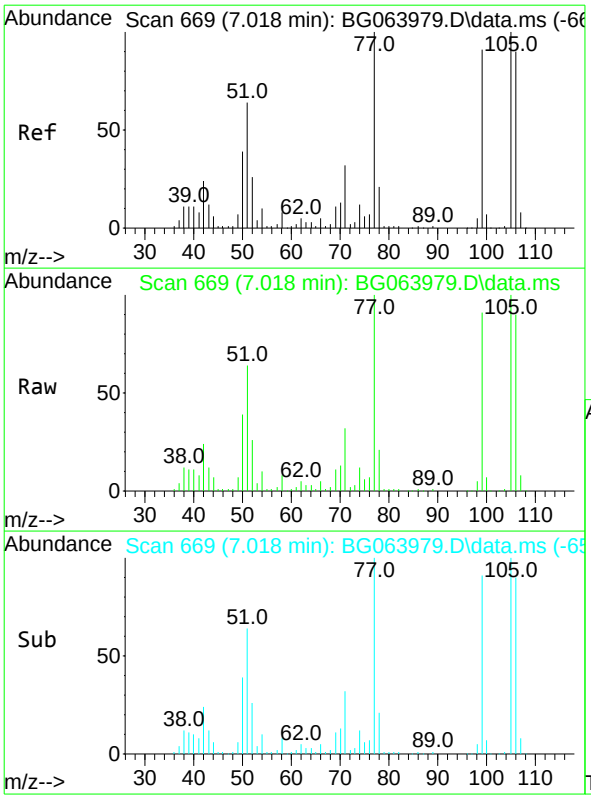


#8
2-Chlorophenol
Concen: 42.593 ng
RT: 7.441 min Scan# 741
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:128 Resp: 157587

Ion	Ratio	Lower	Upper
128	100		
130	31.9	11.9	51.9
64	56.8	36.8	76.8



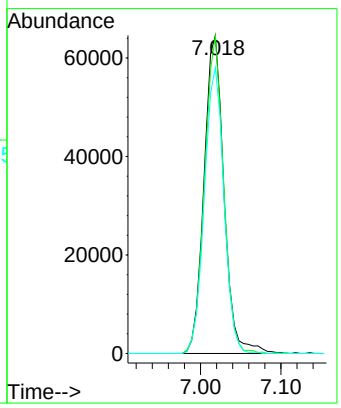


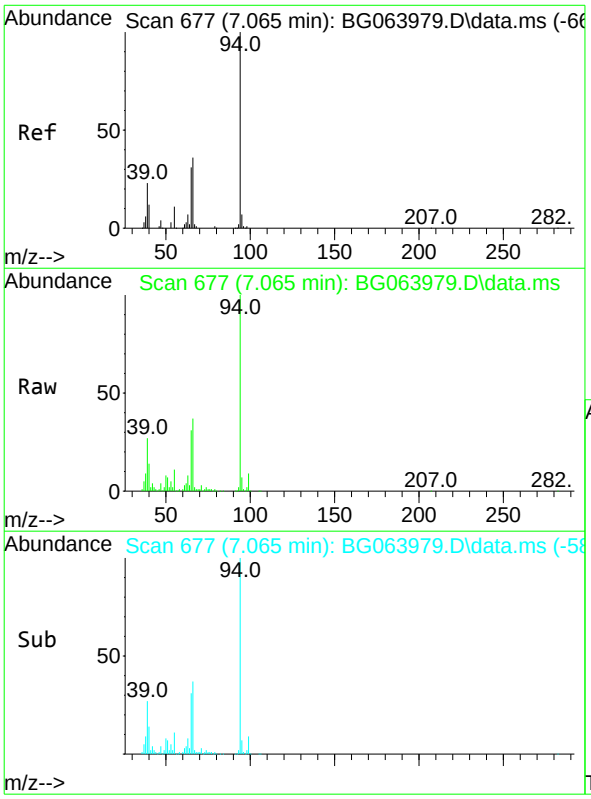
#9
Benzaldehyde
Concen: 40.848 ng
RT: 7.018 min Scan# 66
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 111112

Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.8	119.8
106	89.9	69.9	109.9

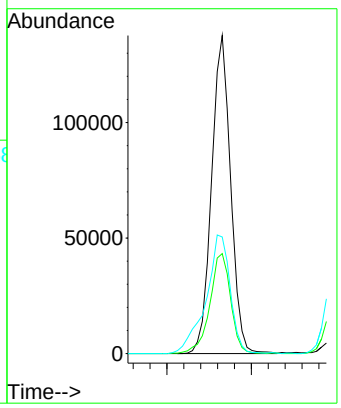


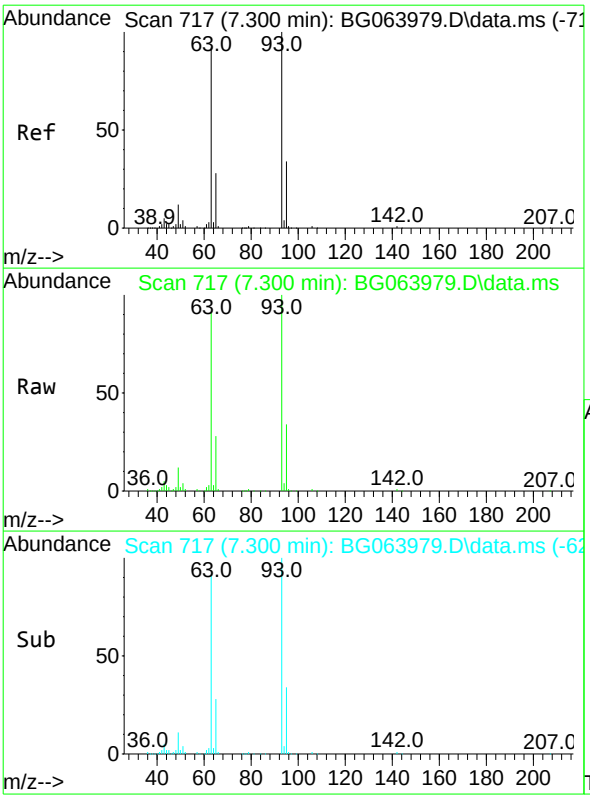


#10
Phenol
Concen: 41.198 ng
RT: 7.065 min Scan# 677
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 94 Resp: 216089

Ion	Ratio	Lower	Upper
94	100		
65	31.4	11.4	51.4
66	36.7	16.7	56.7



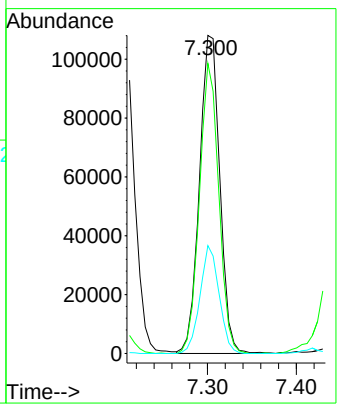


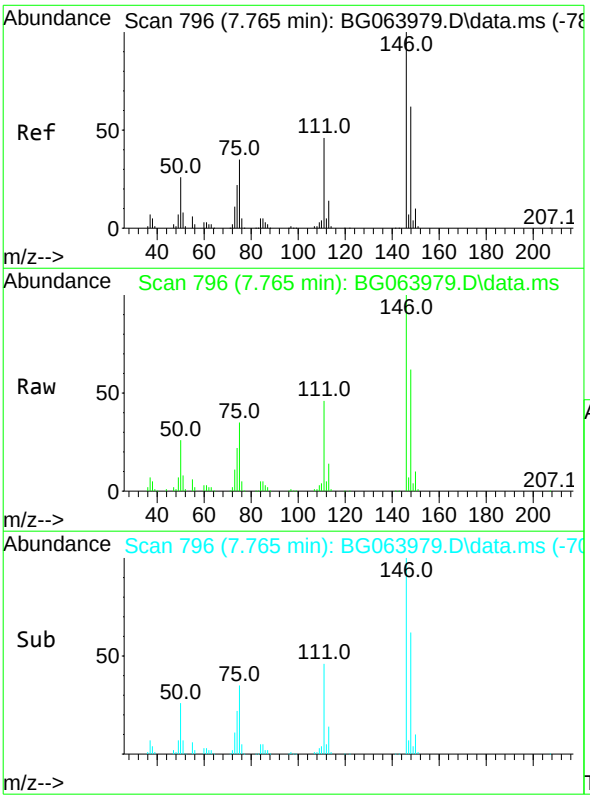
#11
bis(2-Chloroethyl)ether
Concen: 40.728 ng
RT: 7.300 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 172018

Ion	Ratio	Lower	Upper
93	100		
63	91.2	71.2	111.2
95	33.9	13.9	53.9

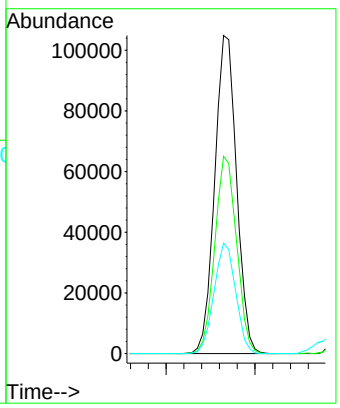


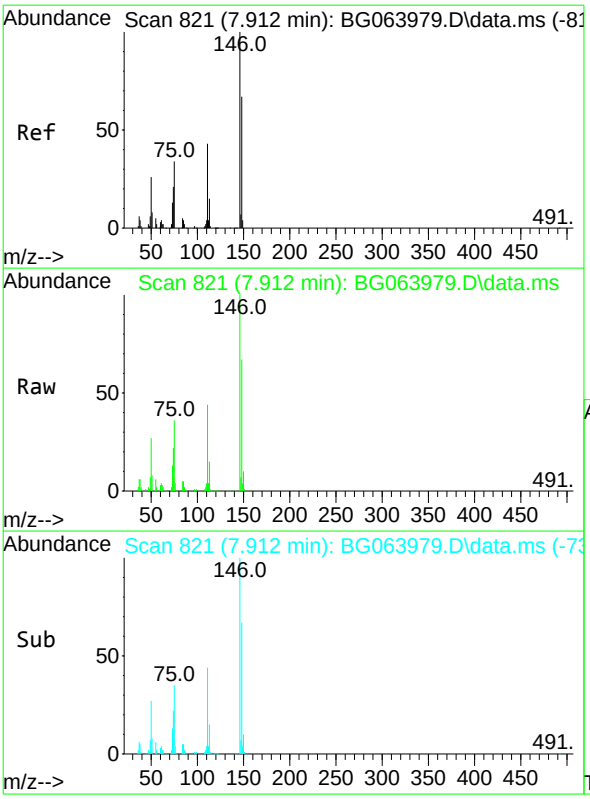


#12
1,3-Dichlorobenzene
Concen: 40.710 ng
RT: 7.765 min Scan# 796
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:146 Resp: 179229

Ion	Ratio	Lower	Upper
146	100		
148	62.0	49.6	74.4
75	34.8	27.8	41.8



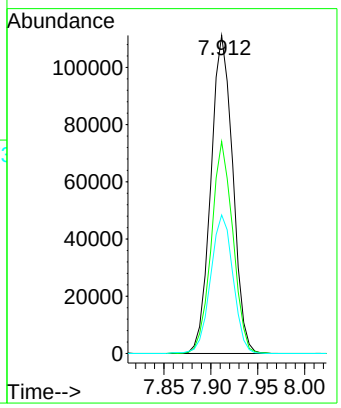


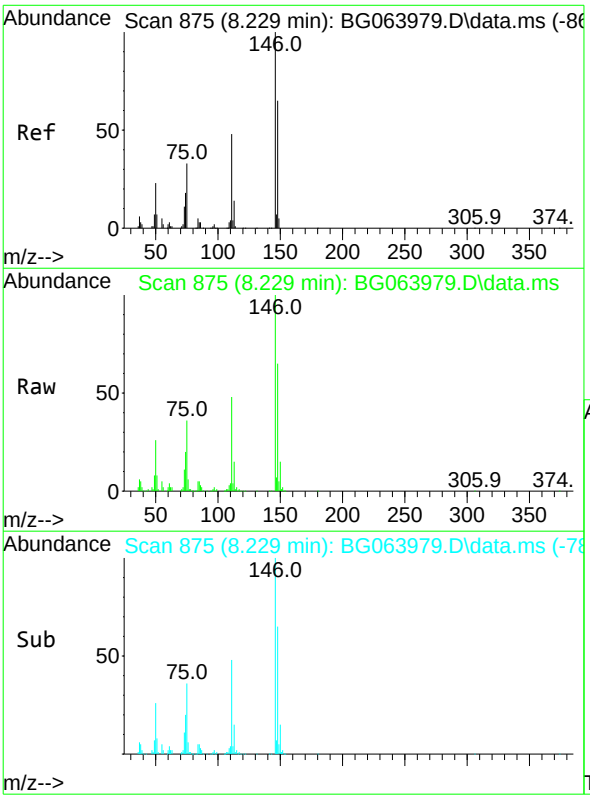
#13
1,4-Dichlorobenzene
Concen: 40.690 ng
RT: 7.912 min Scan# 82
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 180921

Ion	Ratio	Lower	Upper
146	100		
148	66.6	53.3	79.9
111	43.5	34.8	52.2

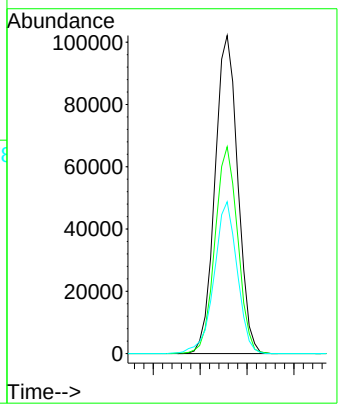


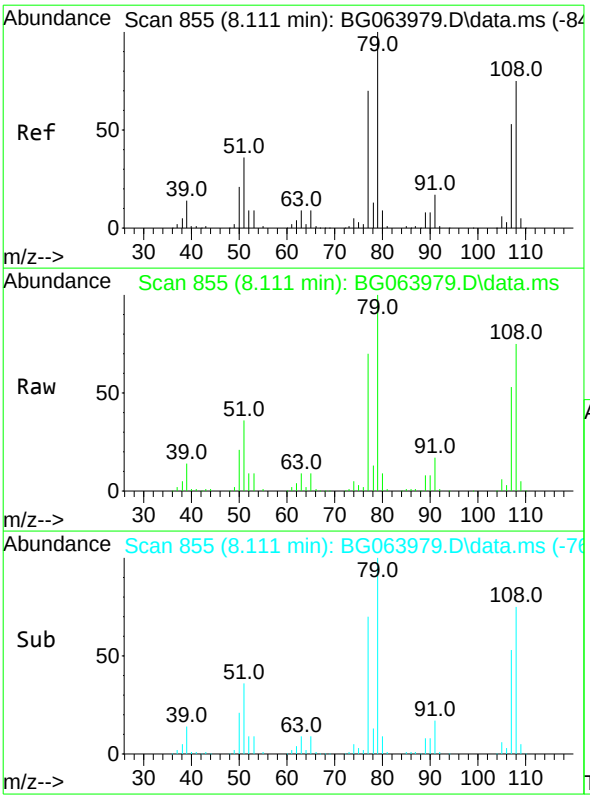


#14
1,2-Dichlorobenzene
Concen: 40.449 ng
RT: 8.229 min Scan# 875
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:146 Resp: 172378

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	47.7	38.2	57.2



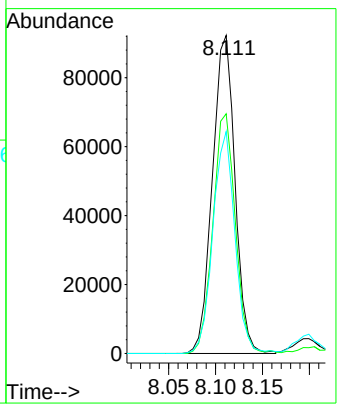


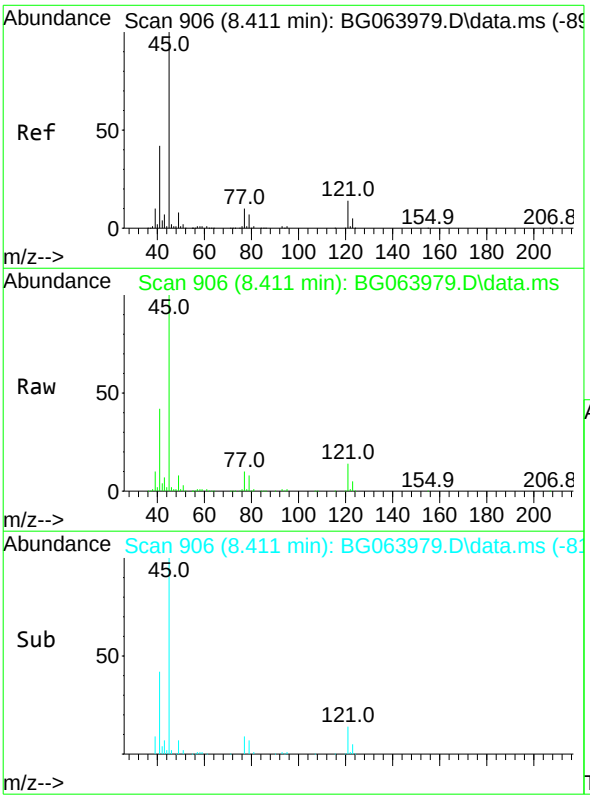
#15
Benzyl Alcohol
Concen: 41.530 ng
RT: 8.111 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 154672

Ion	Ratio	Lower	Upper
79	100		
108	75.4	60.3	90.5
77	69.8	55.8	83.8

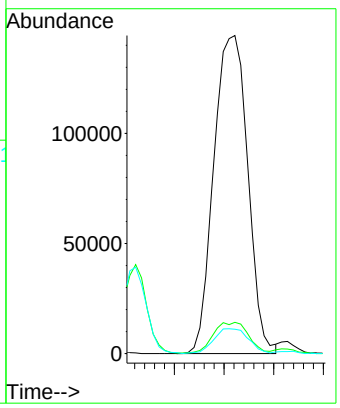


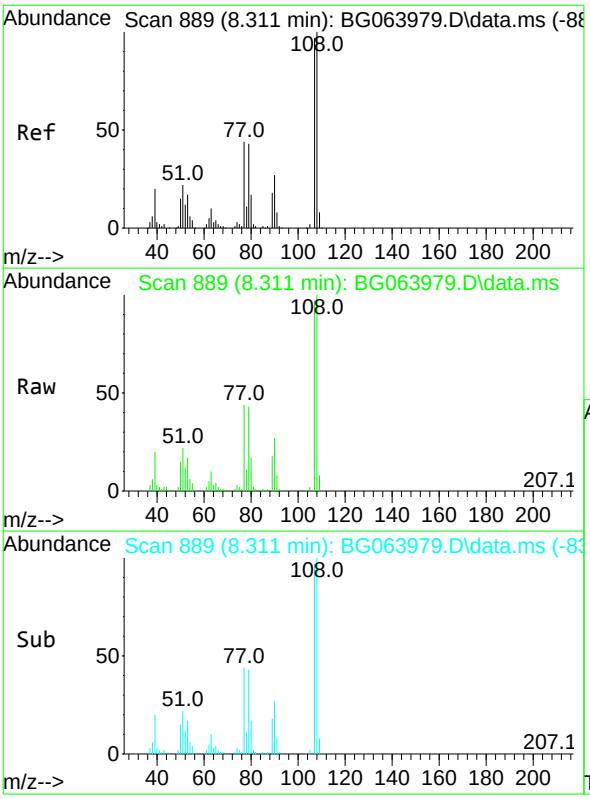


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.378 ng
RT: 8.411 min Scan# 906
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 45 Resp: 343411

Ion	Ratio	Lower	Upper
45	100		
77	9.8	0.0	29.8
79	7.7	0.0	27.7



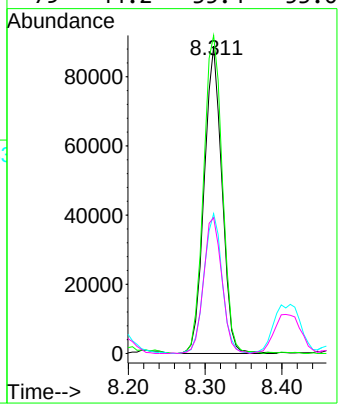


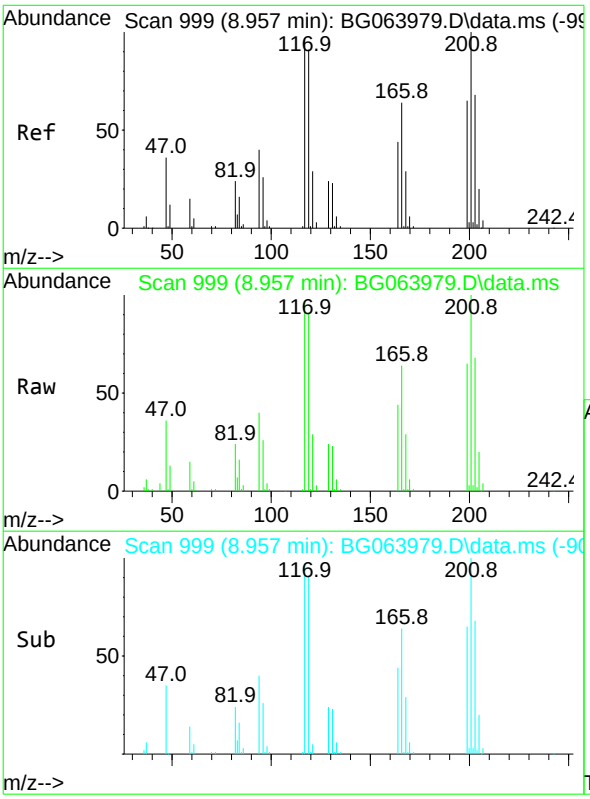
#17
2-Methylphenol
Concen: 42.098 ng
RT: 8.311 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 142808

Ion	Ratio	Lower	Upper
107	100		
108	103.6	82.9	124.3
77	45.5	36.4	54.6
79	44.2	35.4	53.0

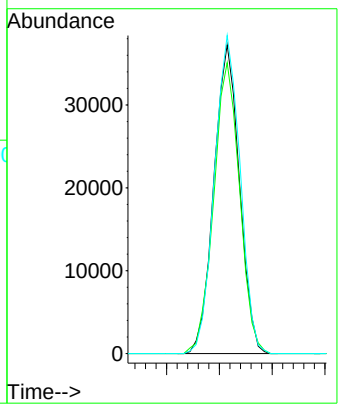


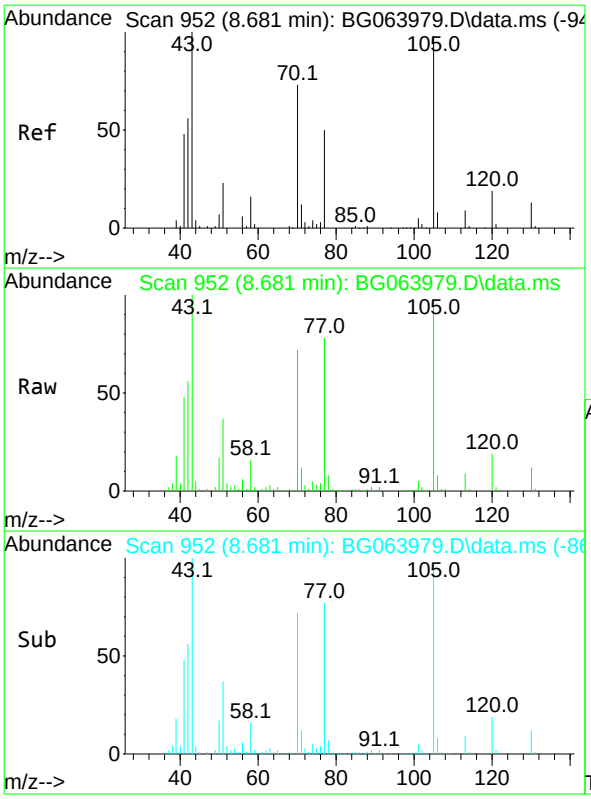


#18
Hexachloroethane
Concen: 42.748 ng
RT: 8.957 min Scan# 999
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:117 Resp: 62553

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	103.0	82.4	123.6



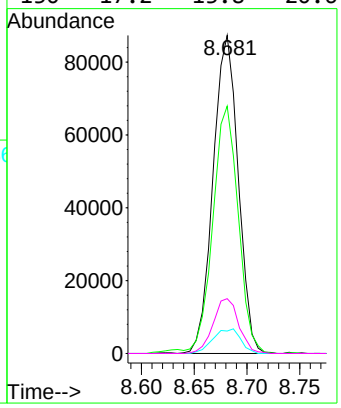


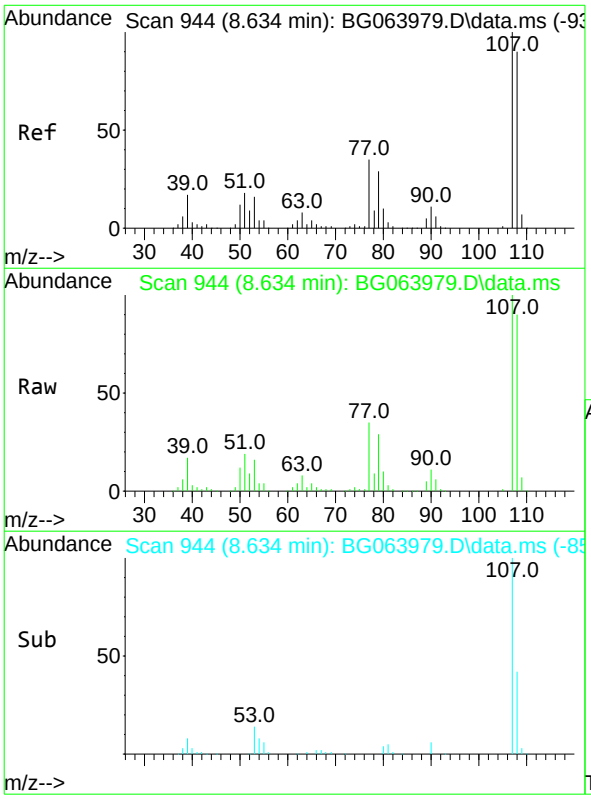
#19
n-Nitroso-di-n-propylamine
Concen: 41.931 ng
RT: 8.681 min Scan# 95
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 144686

Ion	Ratio	Lower	Upper
70	100		
42	77.8	62.2	93.4
101	7.0	5.6	8.4
130	17.2	13.8	20.6

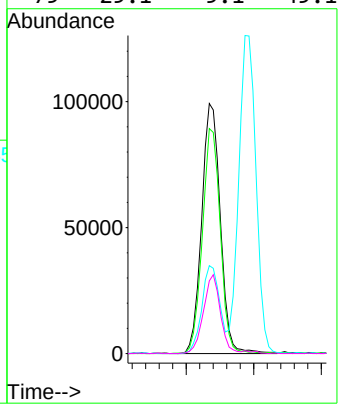


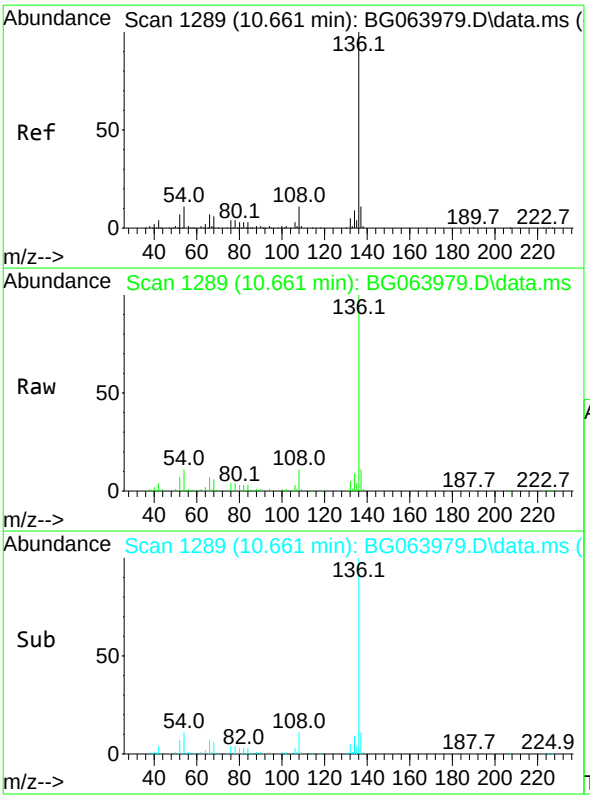


#20
3+4-Methylphenols
Concen: 42.160 ng
RT: 8.634 min Scan# 944
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:107 Resp: 190536

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.0	110.0
77	35.2	15.2	55.2
79	29.1	9.1	49.1



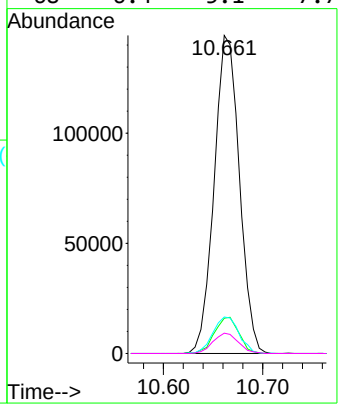


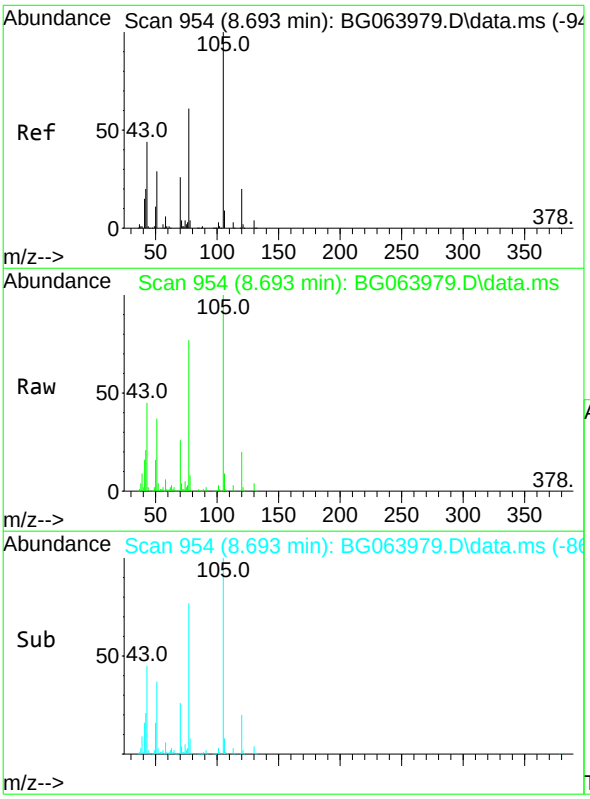
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.661 min Scan# 12
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 254634

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	11.5	9.2	13.8
68	6.4	5.1	7.7

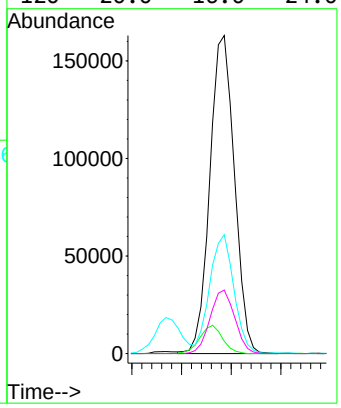


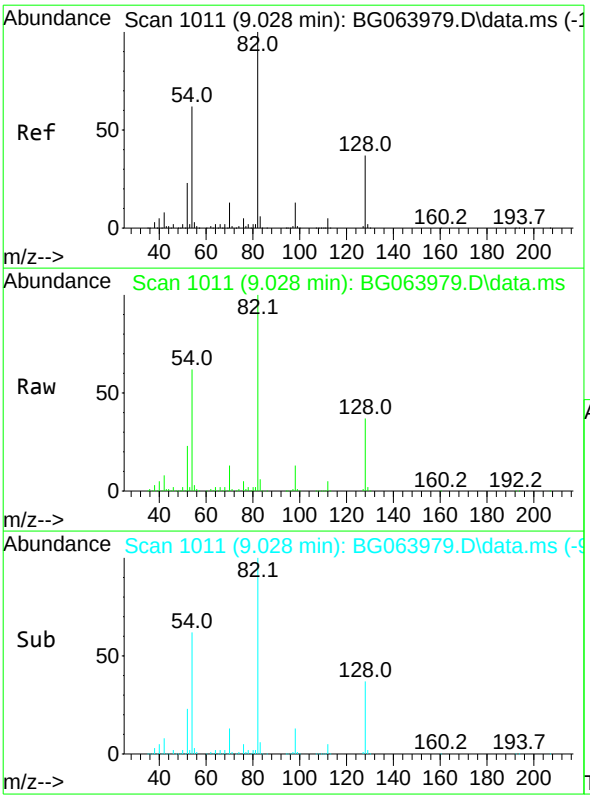


#22
Acetophenone
Concen: 40.120 ng
RT: 8.693 min Scan# 954
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:105 Resp: 280690

Ion	Ratio	Lower	Upper
105	100		
71	3.9	3.1	4.7
51	37.4	29.9	44.9
120	20.0	16.0	24.0



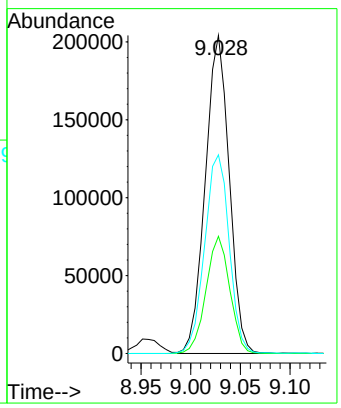


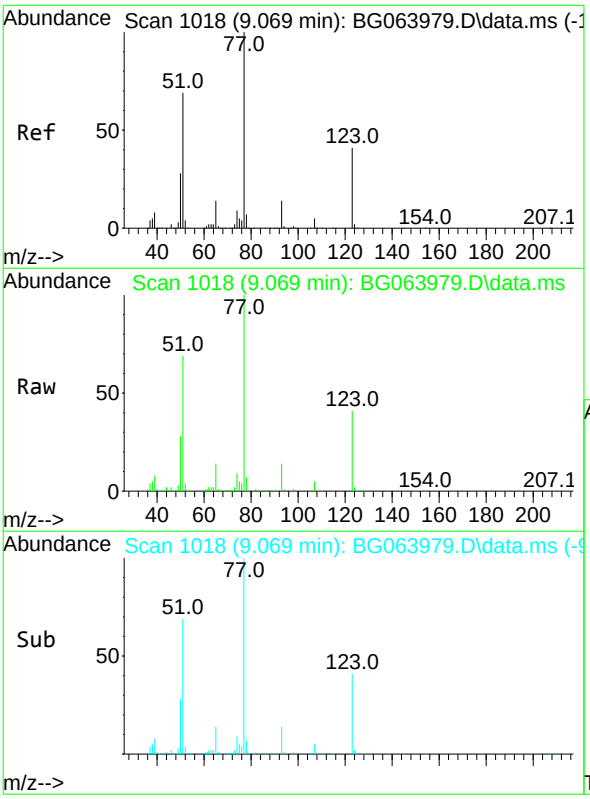
#23
Nitrobenzene-d5
Concen: 81.676 ng
RT: 9.028 min Scan# 10
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 342204

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.4	44.2
54	62.4	49.9	74.9

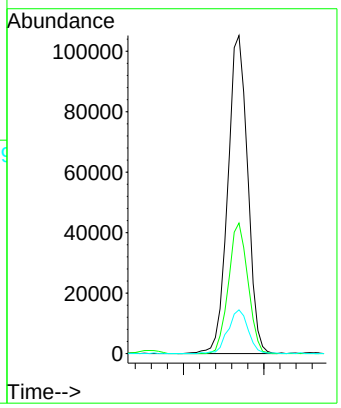


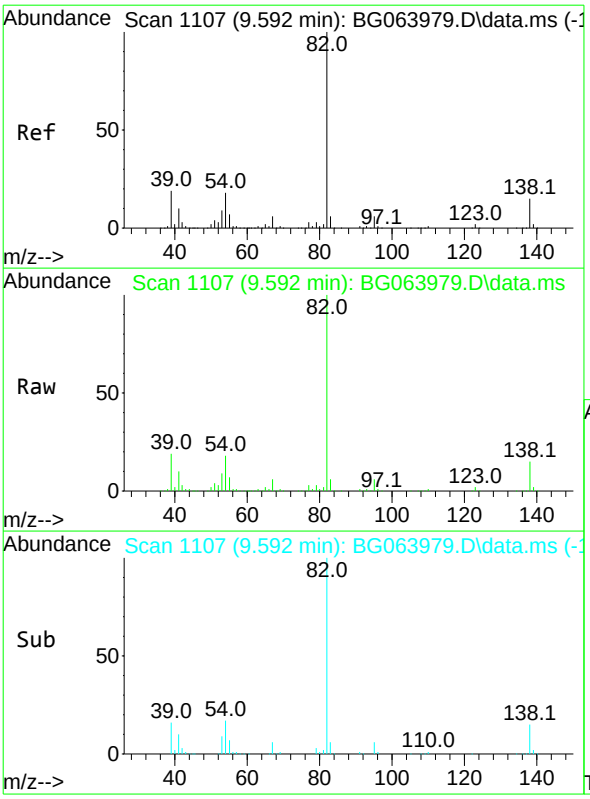


#24
Nitrobenzene
Concen: 38.095 ng
RT: 9.069 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 77 Resp: 180345

Ion	Ratio	Lower	Upper
77	100		
123	41.1	32.9	49.3
65	13.8	11.0	16.6



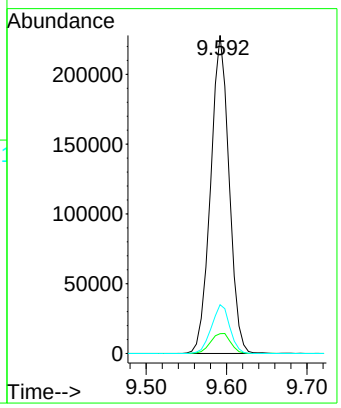


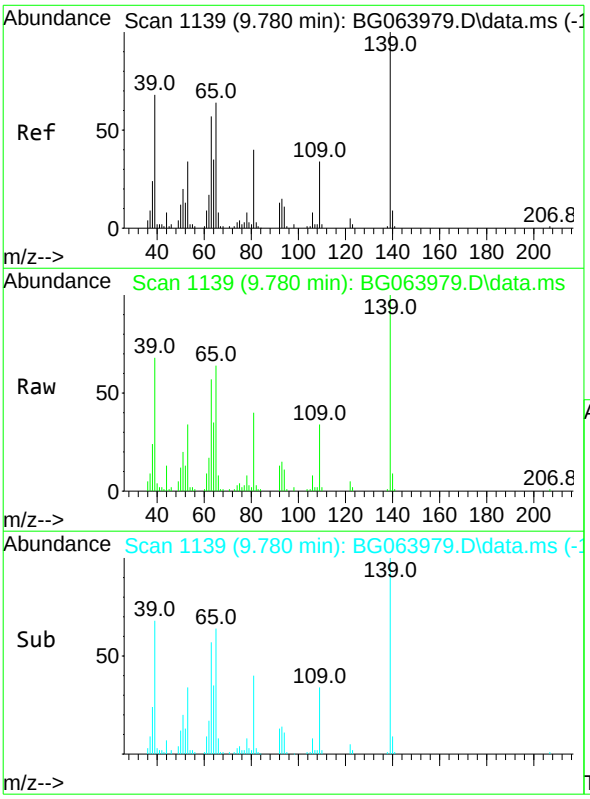
#25
Isophorone
Concen: 40.103 ng
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 364239

Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.0	7.4
138	15.3	12.2	18.4

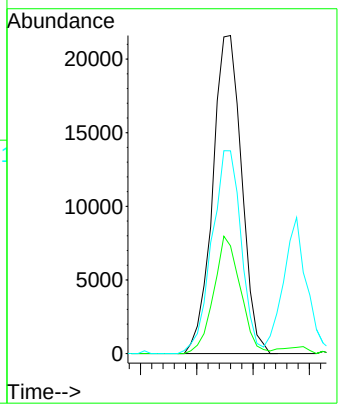


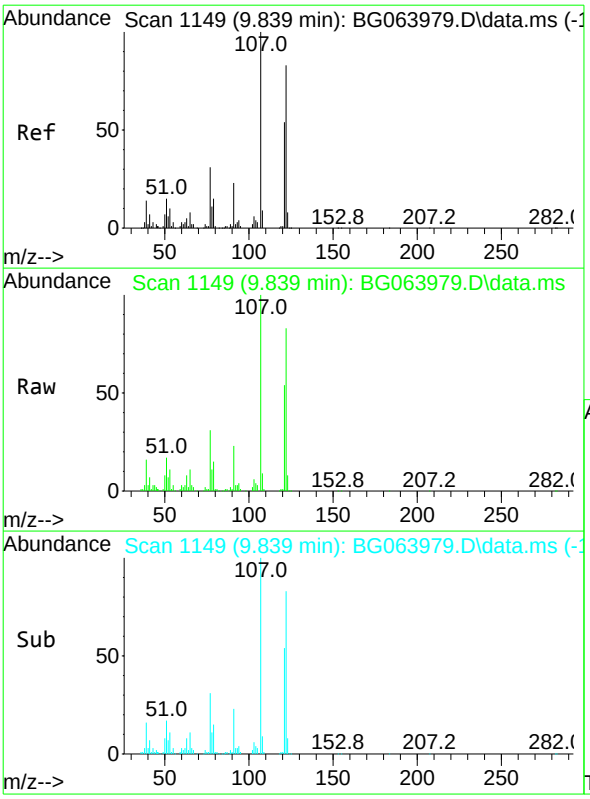


#26
2-Nitrophenol
Concen: 39.559 ng
RT: 9.780 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:139 Resp: 38570

Ion	Ratio	Lower	Upper
139	100		
109	33.9	27.1	40.7
65	63.7	51.0	76.6



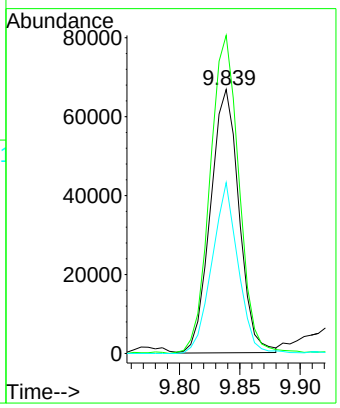


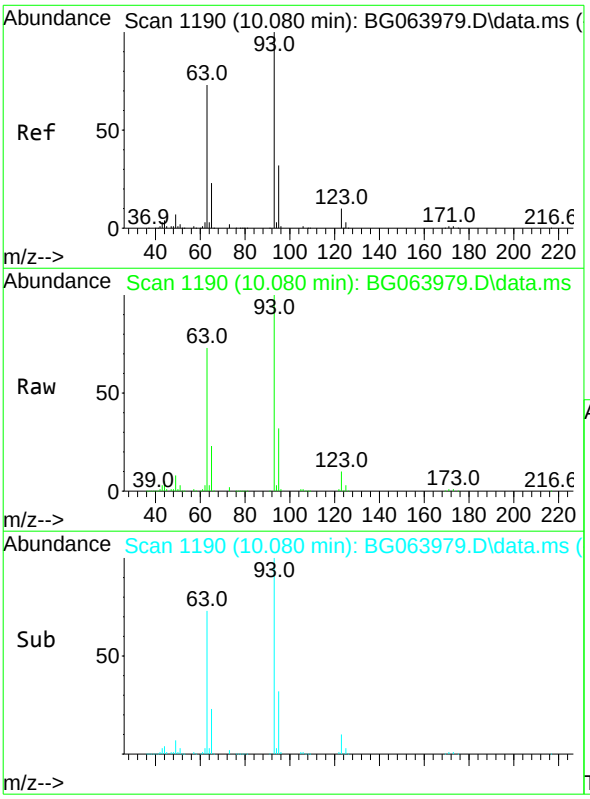
#27
2,4-Dimethylphenol
Concen: 42.083 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 109948

Ion	Ratio	Lower	Upper
122	100		
107	120.5	96.4	144.6
121	64.7	51.8	77.6

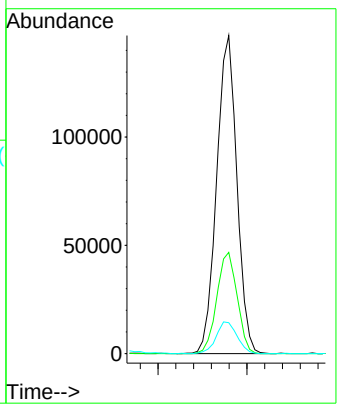


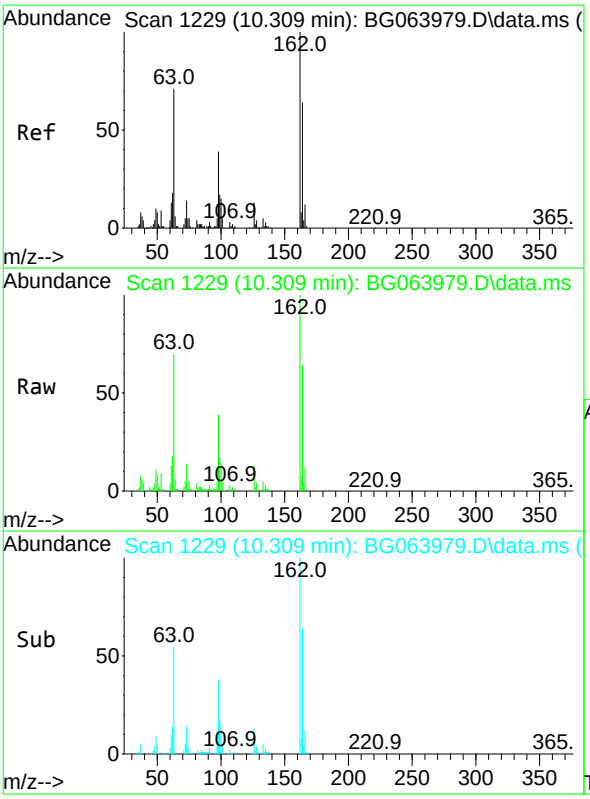


#28
bis(2-Chloroethoxy)methane
Concen: 40.182 ng
RT: 10.080 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 93 Resp: 232223

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	9.7	7.8	11.6



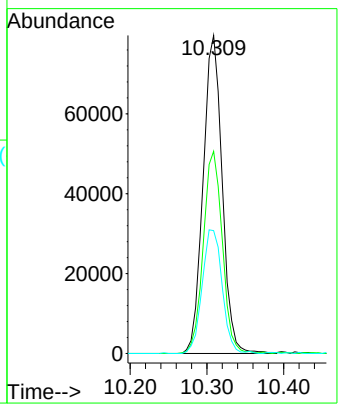


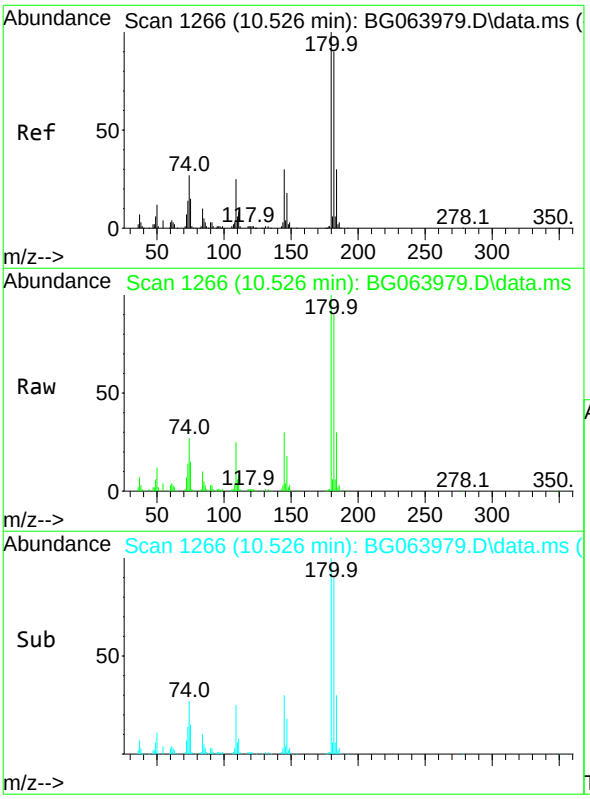
#29
2,4-Dichlorophenol
Concen: 38.427 ng
RT: 10.309 min Scan# 12
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 137391

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.6	83.6
98	38.6	18.6	58.6

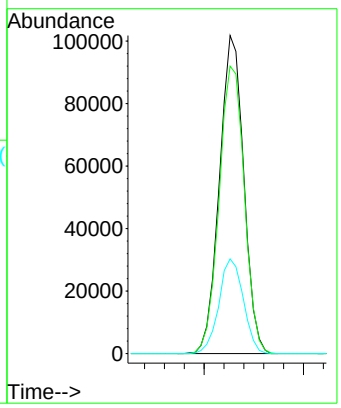


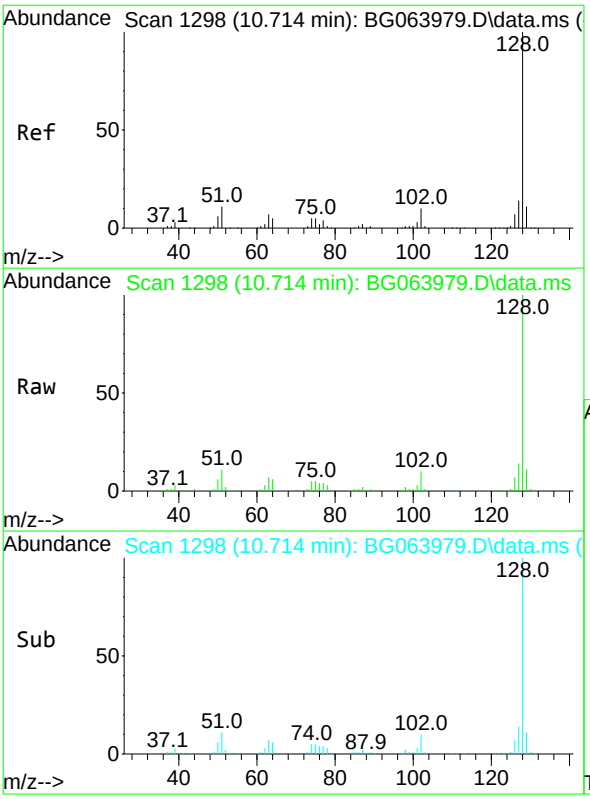


#30
1,2,4-Trichlorobenzene
Concen: 40.268 ng
RT: 10.526 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:180 Resp: 172841

Ion	Ratio	Lower	Upper
180	100		
182	90.4	72.3	108.5
145	29.8	23.8	35.8



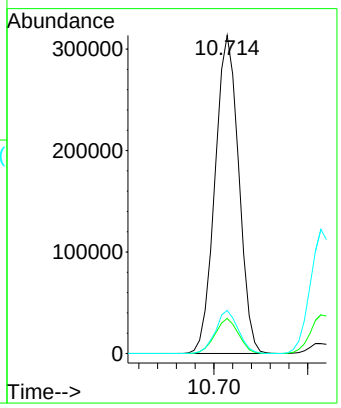


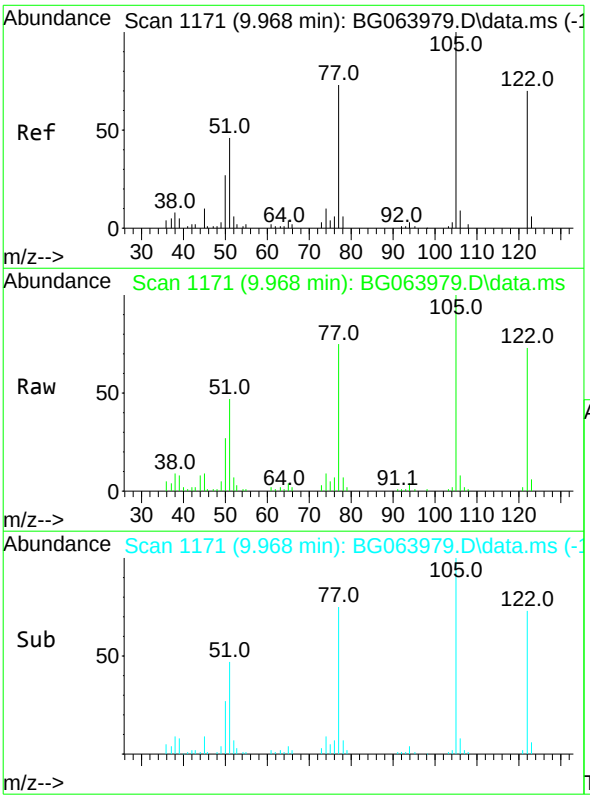
#31
Naphthalene
Concen: 40.354 ng
RT: 10.714 min Scan# 12
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 550914

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.8	16.2

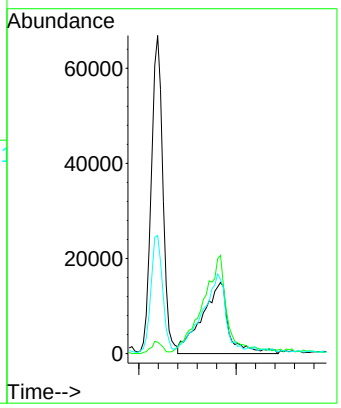


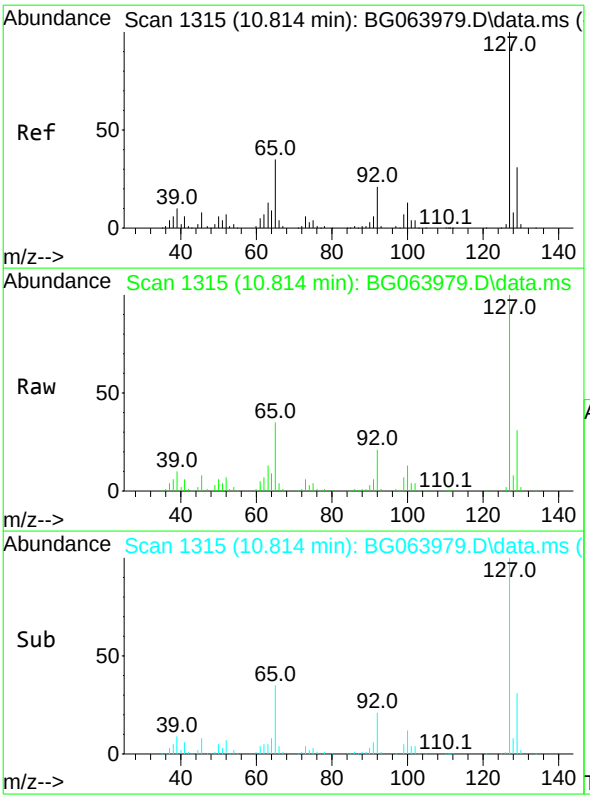


#32
Benzoic acid
Concen: 37.919 ng m
RT: 9.968 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:122 Resp: 57583

Ion	Ratio	Lower	Upper
122	100		
105	137.9	117.9	157.9
77	103.9	83.9	123.9



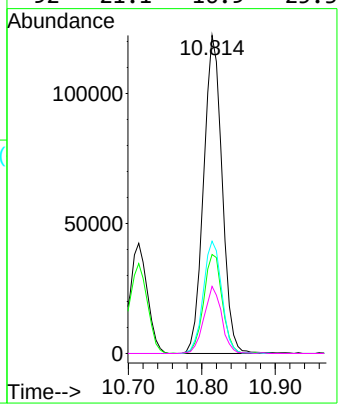


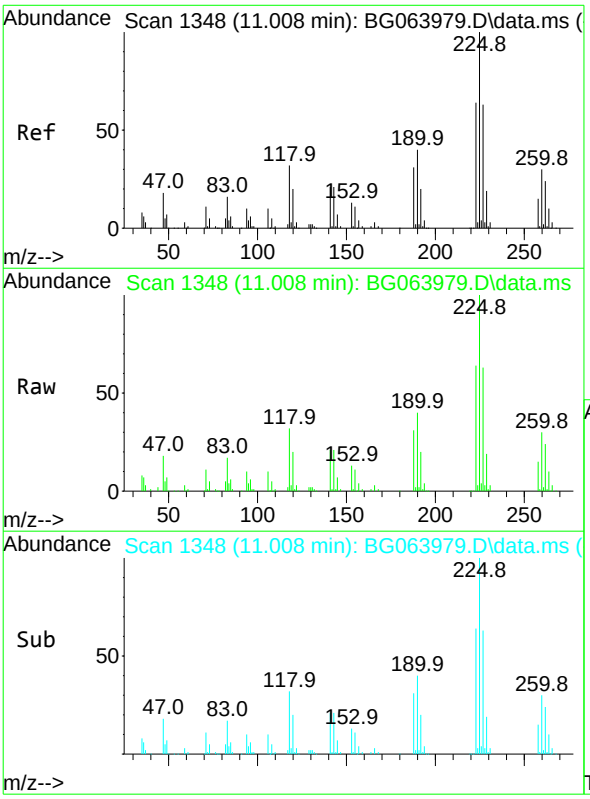
#33
4-Chloroaniline
Concen: 40.878 ng
RT: 10.814 min Scan# 13
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 213817

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	35.3	28.2	42.4
92	21.1	16.9	25.3

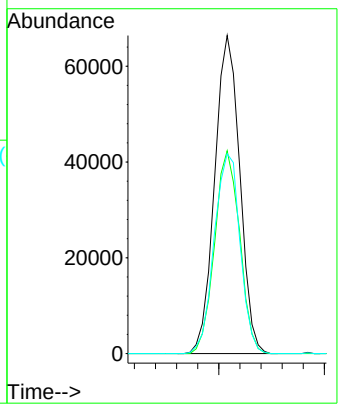


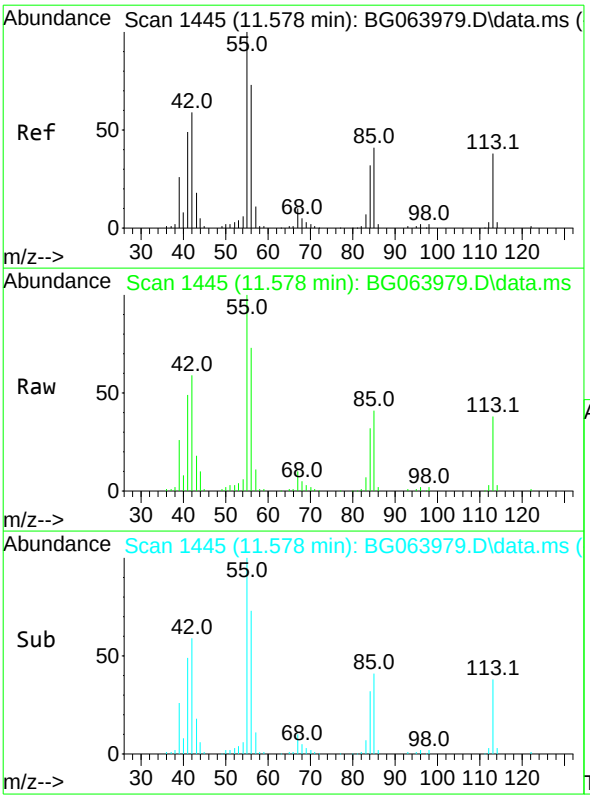


#34
Hexachlorobutadiene
Concen: 40.173 ng
RT: 11.008 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:225 Resp: 109810

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	62.9	50.3	75.5



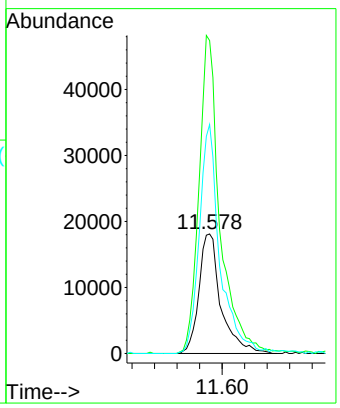


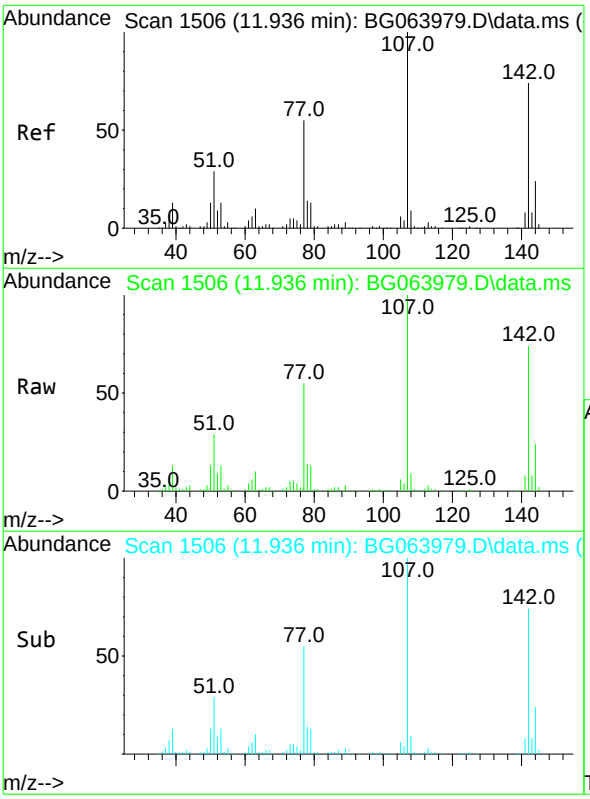
#35
Caprolactam
Concen: 38.096 ng
RT: 11.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 49255

Ion	Ratio	Lower	Upper
113	100		
55	261.8	241.8	281.8
56	191.5	171.5	211.5

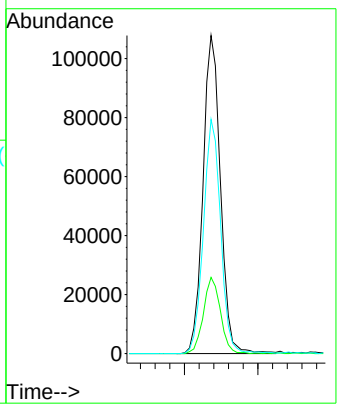


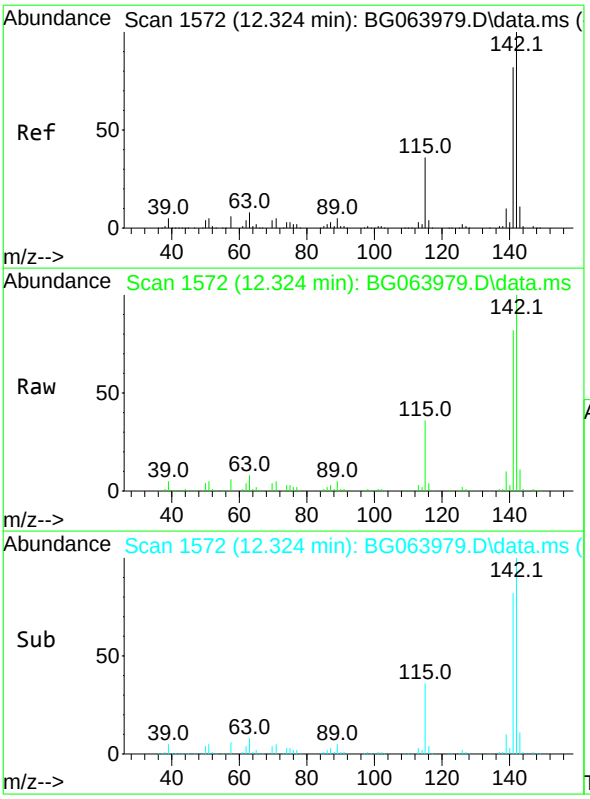


#36
4-Chloro-3-methylphenol
Concen: 42.565 ng
RT: 11.936 min Scan# 1506
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:107 Resp: 178005

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.2	28.8
142	73.6	58.9	88.3



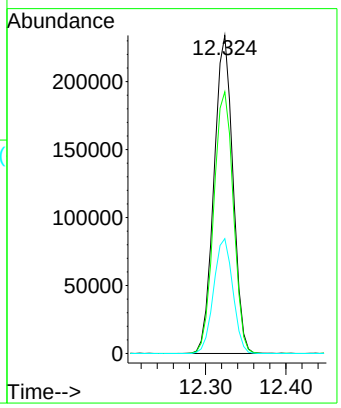


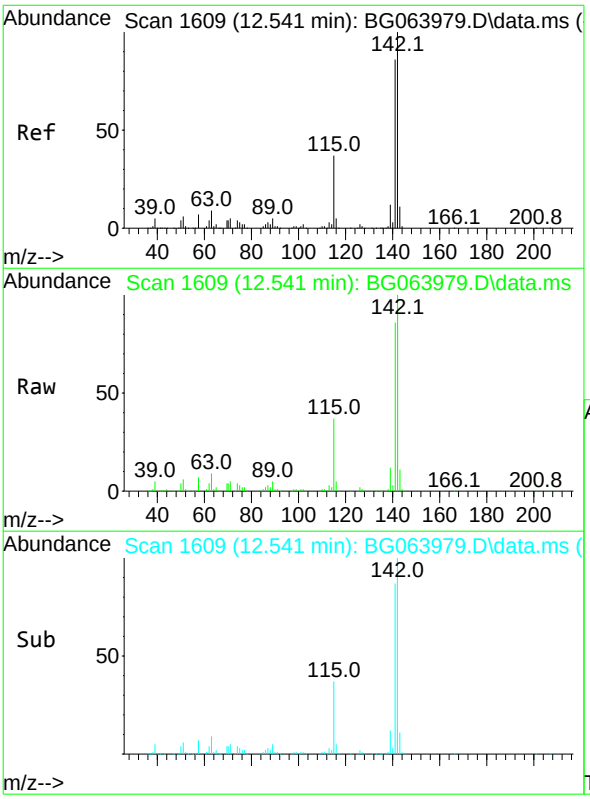
#37
2-Methylnaphthalene
Concen: 40.211 ng
RT: 12.324 min Scan# 15
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 382546

Ion	Ratio	Lower	Upper
142	100		
141	82.3	65.8	98.8
115	36.1	28.9	43.3

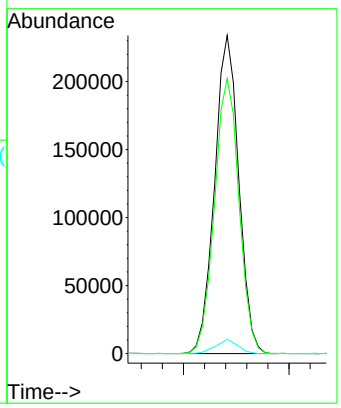


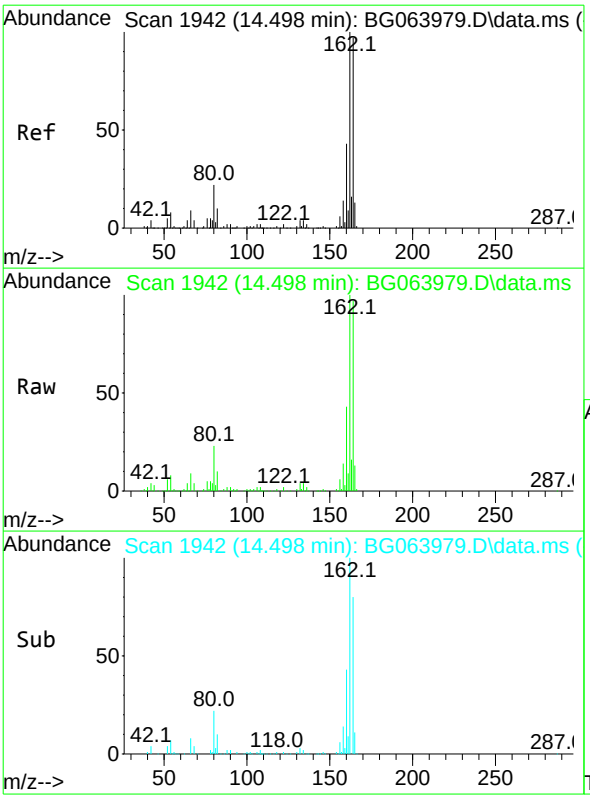


#38
1-Methylnaphthalene
Concen: 39.502 ng
RT: 12.541 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:142 Resp: 371846

Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8
116	4.5	3.6	5.4



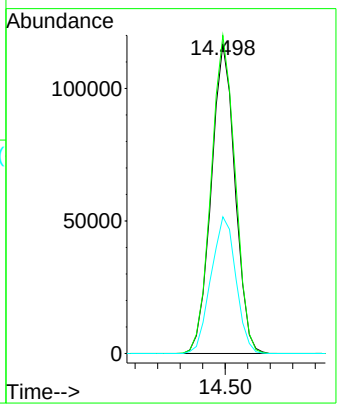


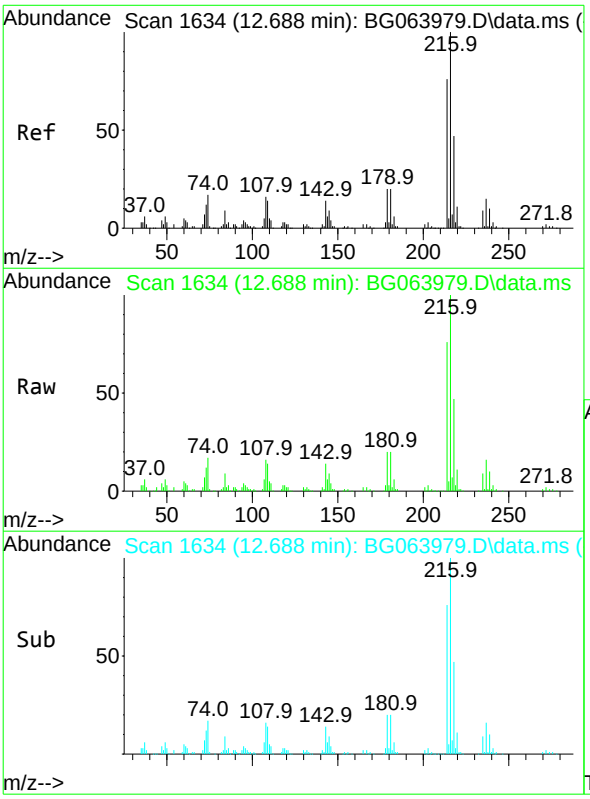
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 171313

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.3	123.5
160	44.2	35.4	53.0

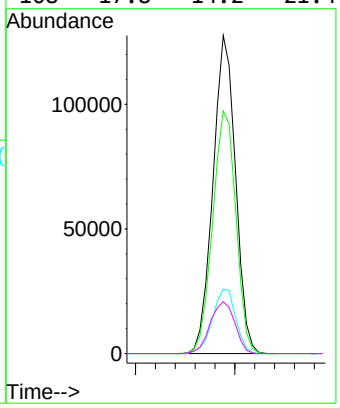


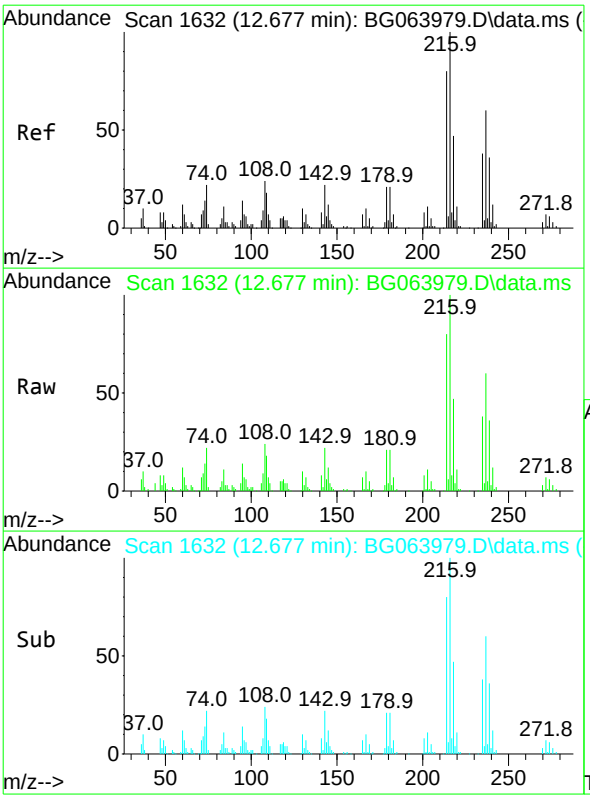


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.822 ng
RT: 12.688 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:216 Resp: 201175

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	20.8	16.6	25.0
108	17.8	14.2	21.4



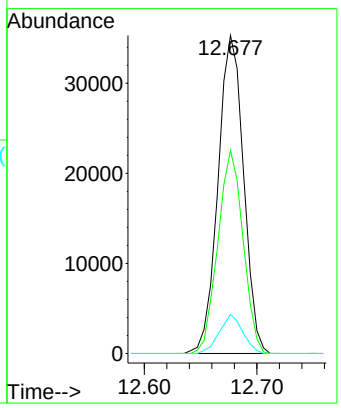


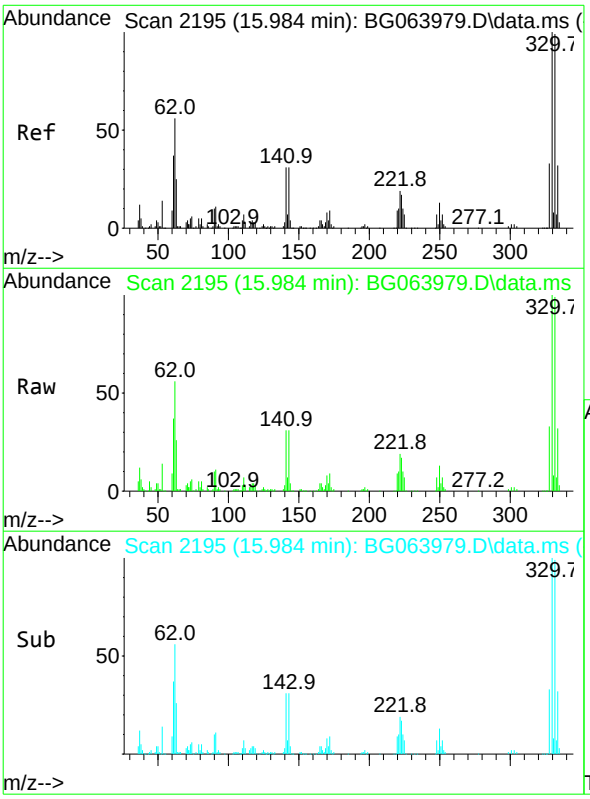
#41
Hexachlorocyclopentadiene
Concen: 40.817 ng
RT: 12.677 min Scan# 16
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 55630

Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.8	83.8
272	12.3	0.0	32.3

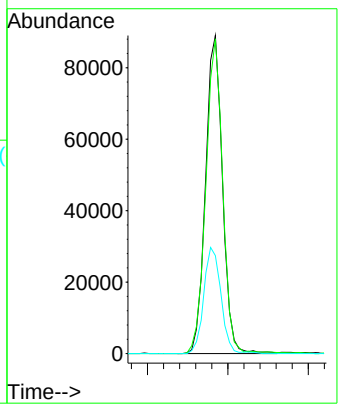


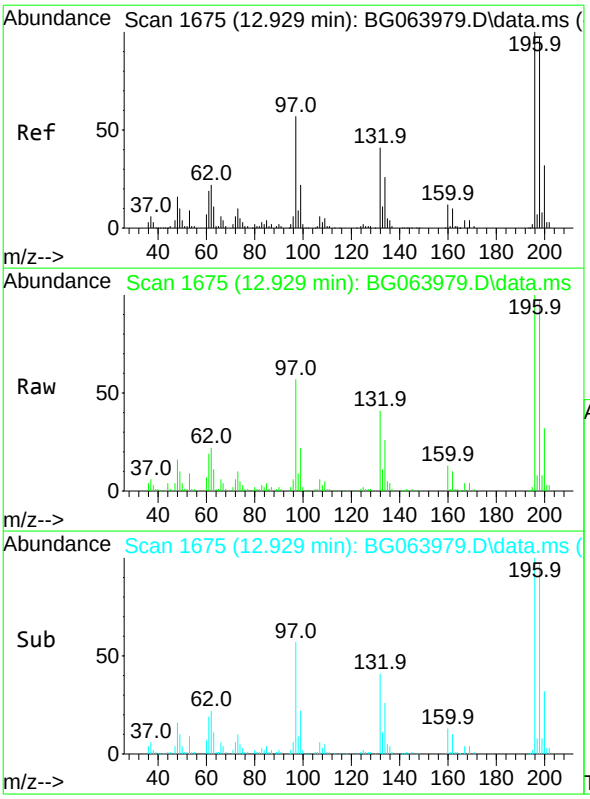


#42
2,4,6-Tribromophenol
Concen: 73.373 ng
RT: 15.984 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:330 Resp: 130268

Ion	Ratio	Lower	Upper
330	100		
332	98.8	79.0	118.6
141	34.0	27.2	40.8



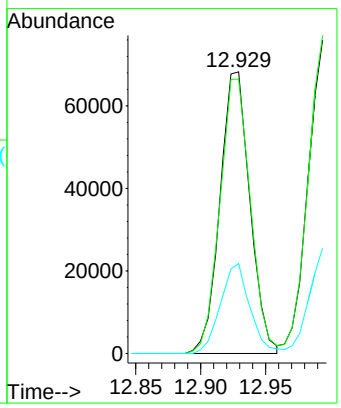


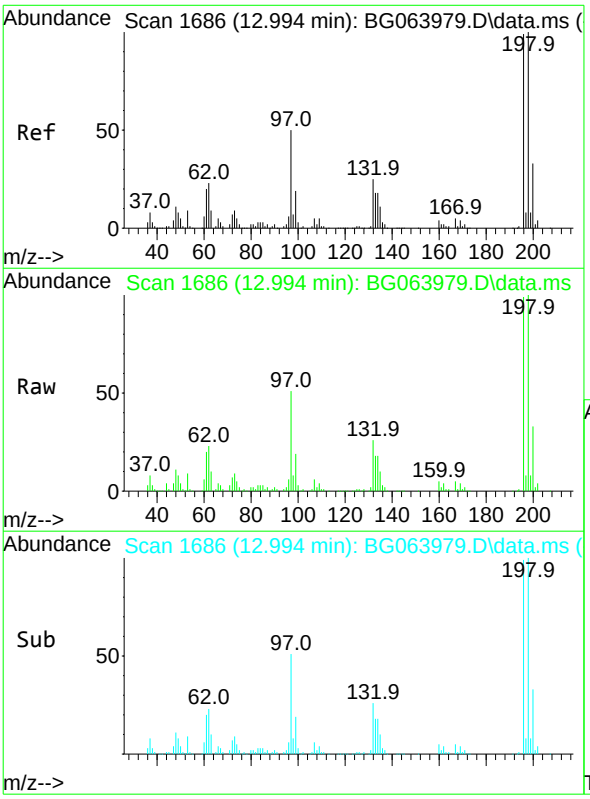
#43
2,4,6-Trichlorophenol
Concen: 38.035 ng
RT: 12.929 min Scan# 16
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 109593

Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.9	116.9
200	31.9	25.5	38.3

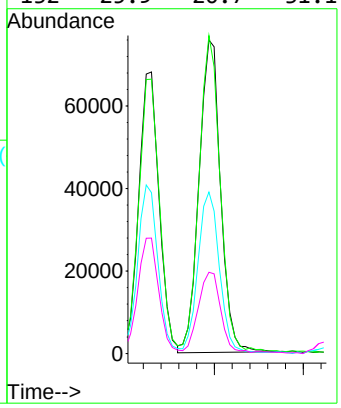


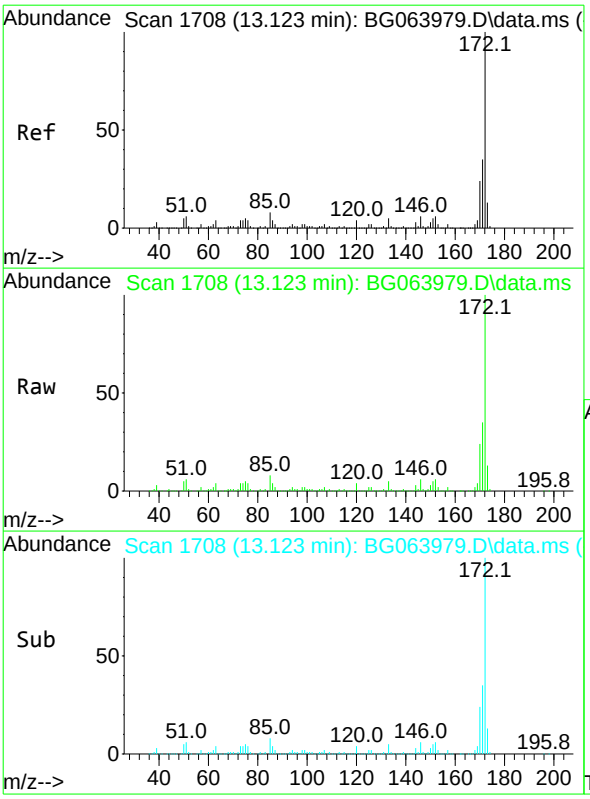


#44
2,4,5-Trichlorophenol
Concen: 39.072 ng
RT: 12.994 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:196 Resp: 127838

Ion	Ratio	Lower	Upper
196	100		
198	101.4	81.1	121.7
97	51.5	41.2	61.8
132	25.9	20.7	31.1



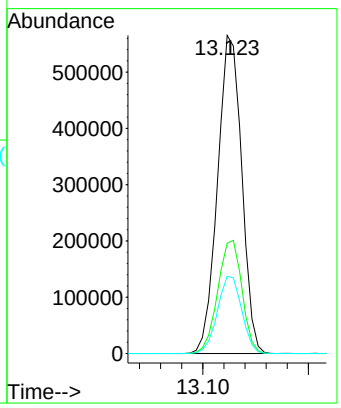


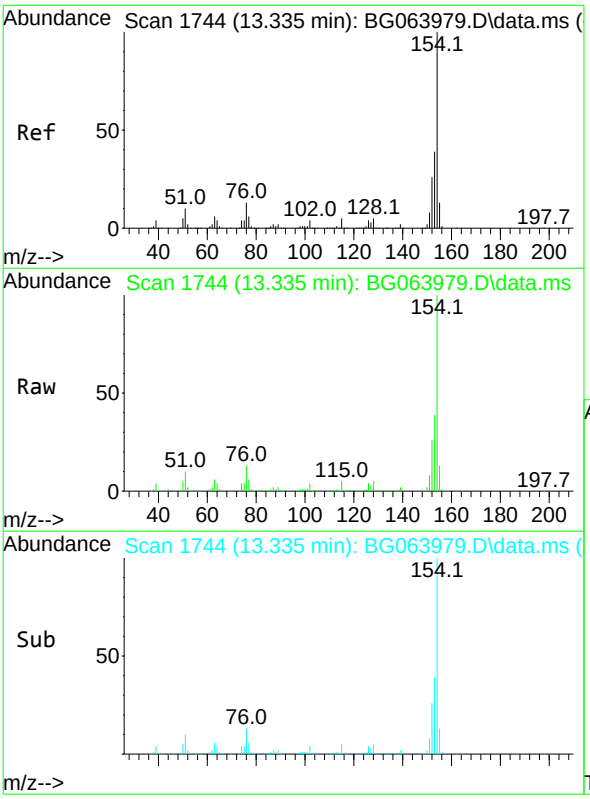
#45
2-Fluorobiphenyl
Concen: 80.395 ng
RT: 13.123 min Scan# 17
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 898918

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	24.3	19.4	29.2

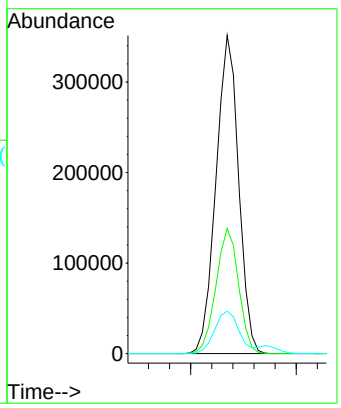


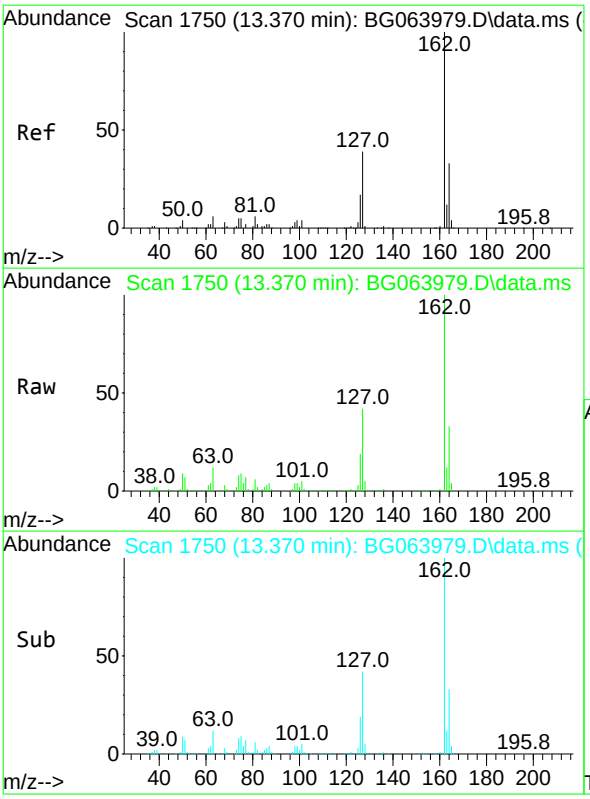


#46
1,1'-Biphenyl
Concen: 40.097 ng
RT: 13.335 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:154 Resp: 522991

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	13.3	0.0	33.3



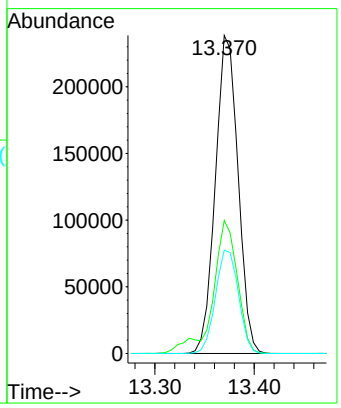


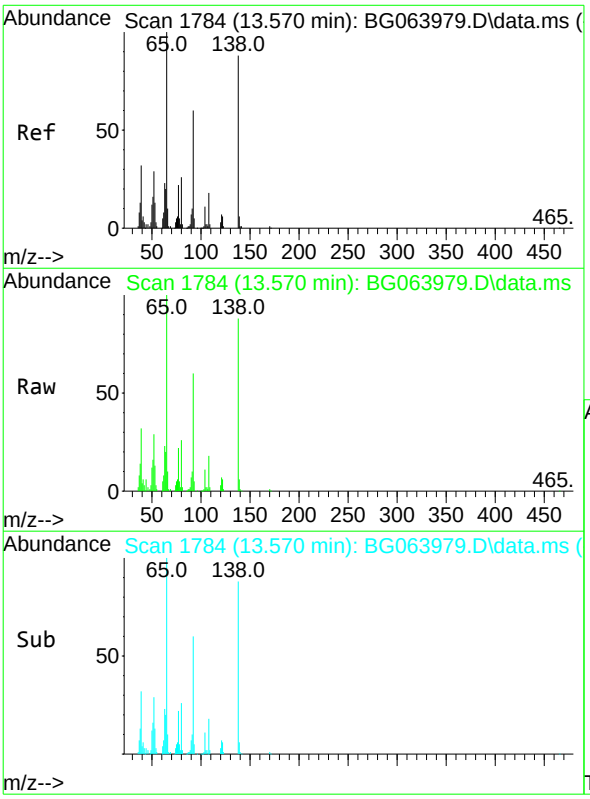
#47
2-Chloronaphthalene
Concen: 39.825 ng
RT: 13.370 min Scan# 17
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 378606

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.5	26.0	39.0

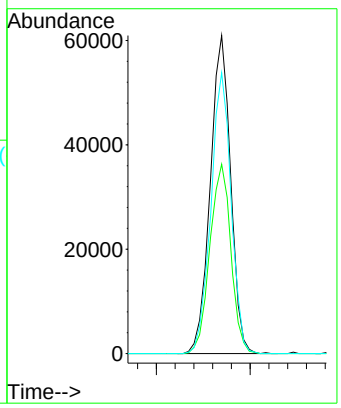


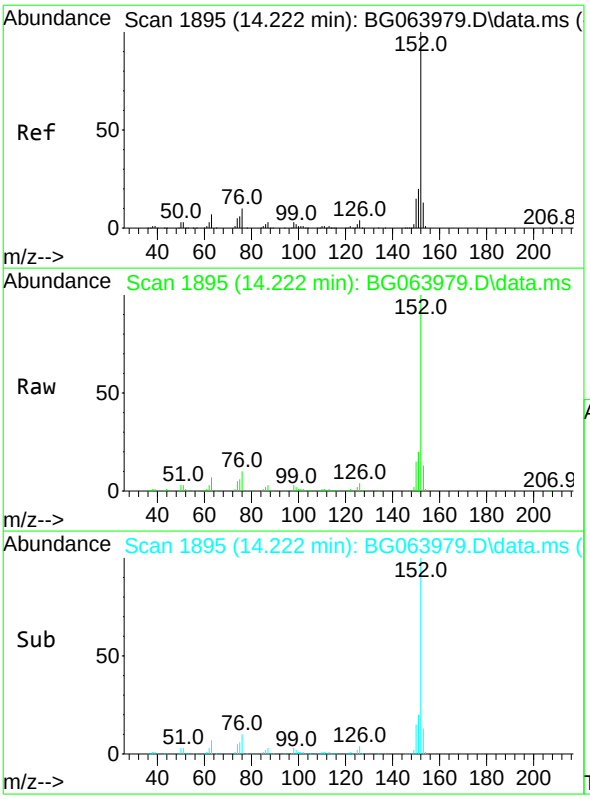


#48
2-Nitroaniline
Concen: 38.321 ng
RT: 13.570 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion: 65 Resp: 91764

Ion	Ratio	Lower	Upper
65	100		
92	59.5	47.6	71.4
138	88.3	70.6	106.0



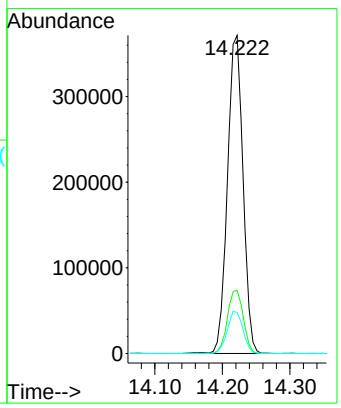


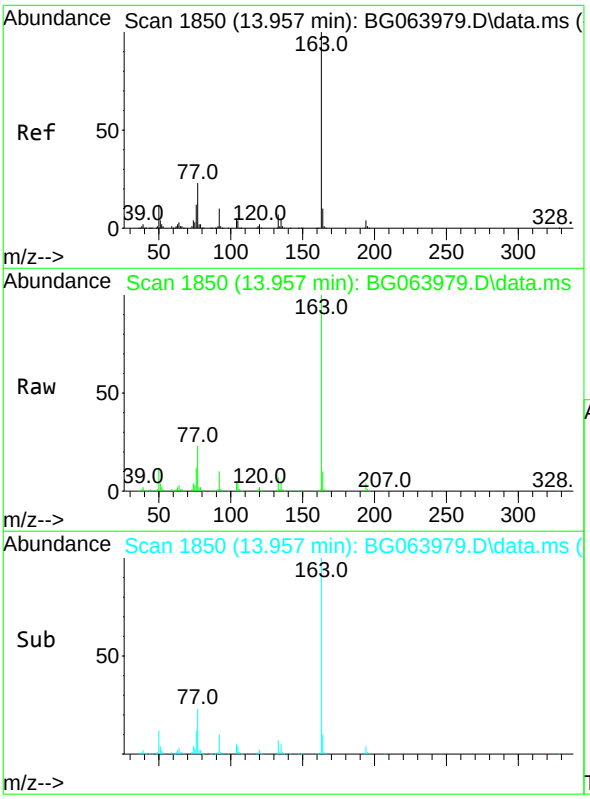
#49
Acenaphthylene
Concen: 40.161 ng
RT: 14.222 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 593049

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.9	10.3	15.5

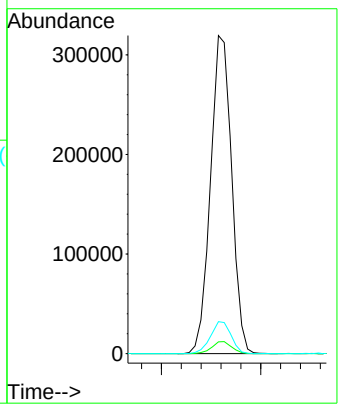


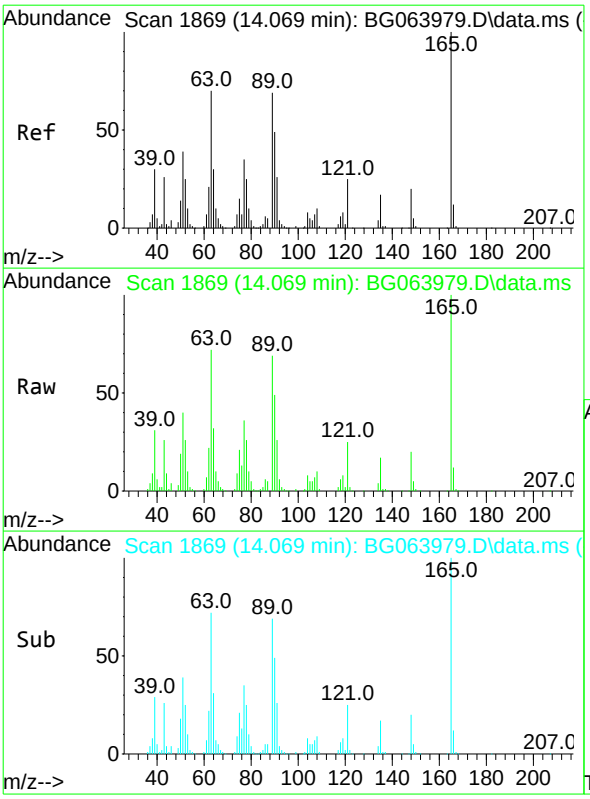


#50
Dimethylphthalate
Concen: 41.622 ng
RT: 13.957 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:163 Resp: 472774

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.0	8.0	12.0



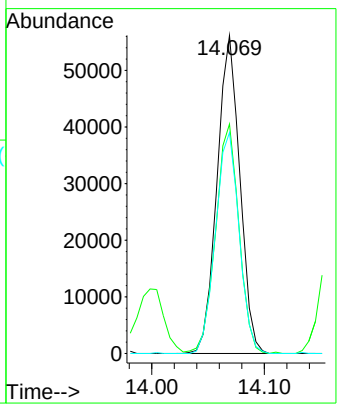


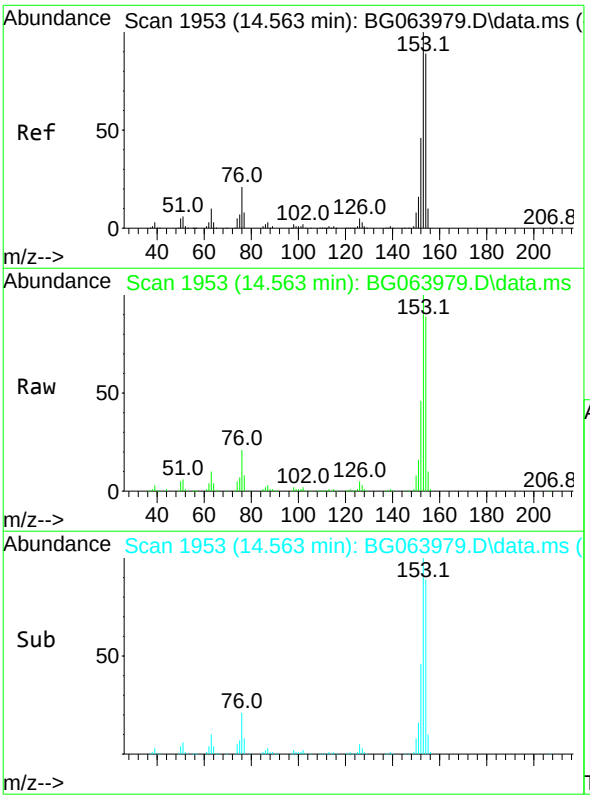
#51
2,6-Dinitrotoluene
Concen: 38.638 ng
RT: 14.069 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 78903

Ion	Ratio	Lower	Upper
165	100		
63	72.1	57.7	86.5
89	69.5	55.6	83.4

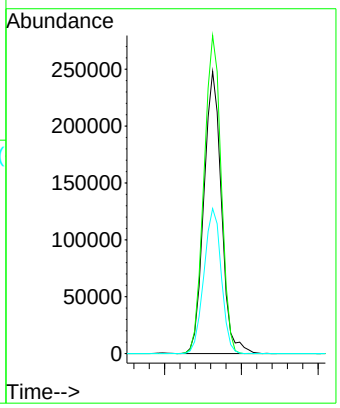


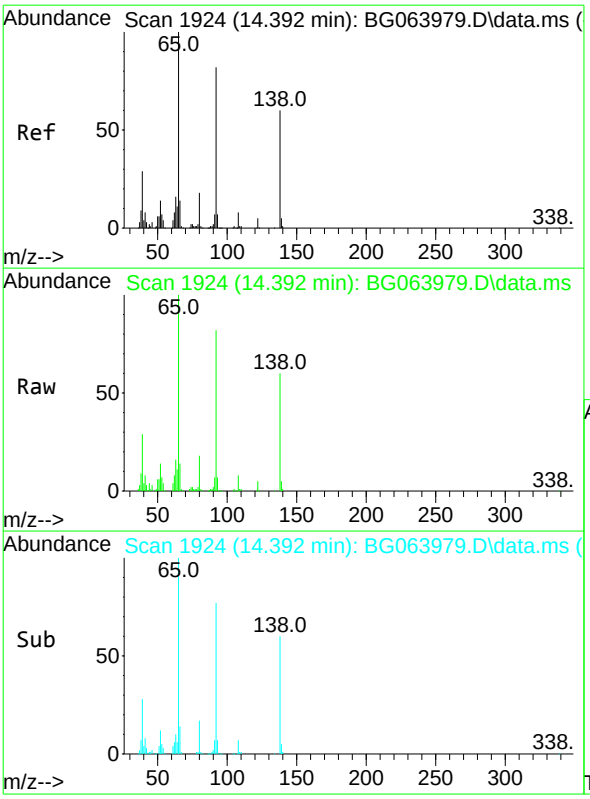


#52
Acenaphthene
Concen: 39.670 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:154 Resp: 392940

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	51.4	41.1	61.7



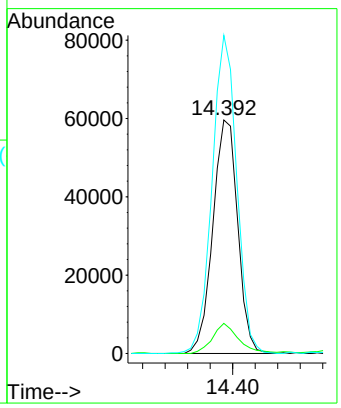


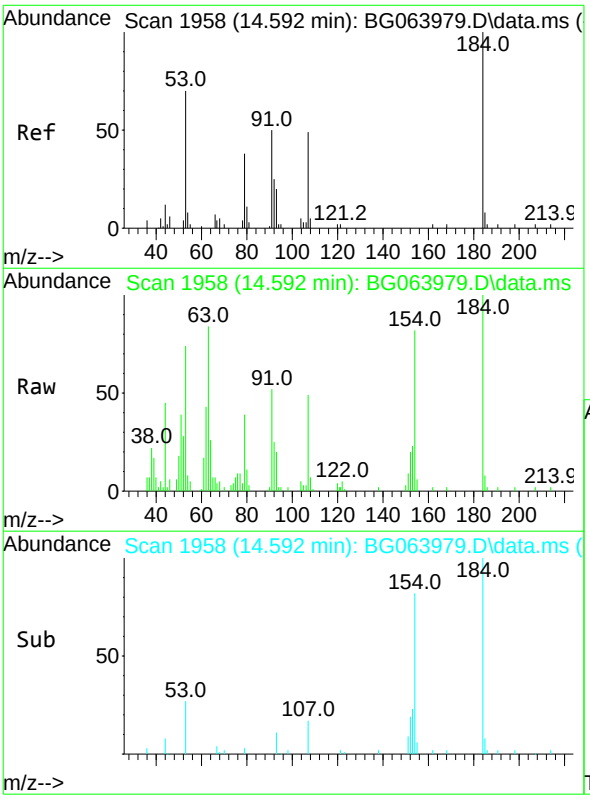
#53
3-Nitroaniline
Concen: 37.599 ng
RT: 14.392 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 91397

Ion	Ratio	Lower	Upper
138	100		
108	12.9	10.3	15.5
92	136.2	109.0	163.4

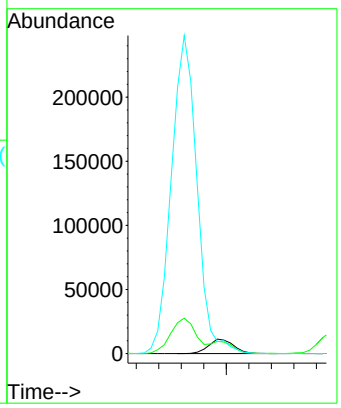


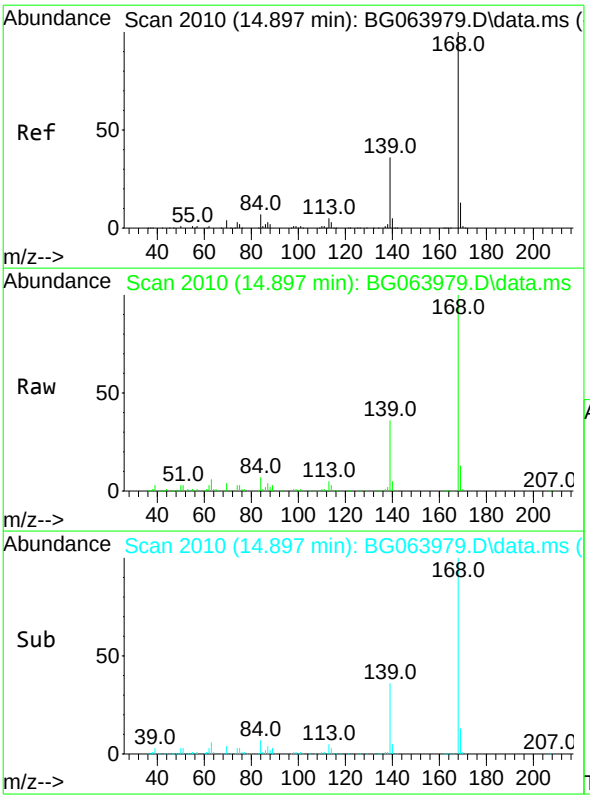


#54
2,4-Dinitrophenol
Concen: 37.854 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:184 Resp: 17325

Ion	Ratio	Lower	Upper
184	100		
63	84.1	67.3	100.9
154	82.4	65.9	98.9



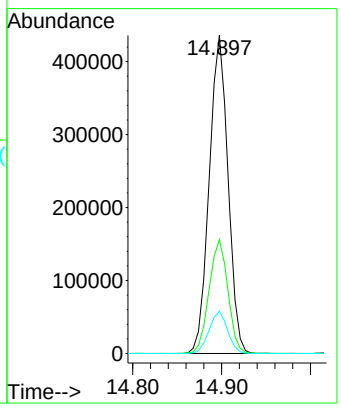


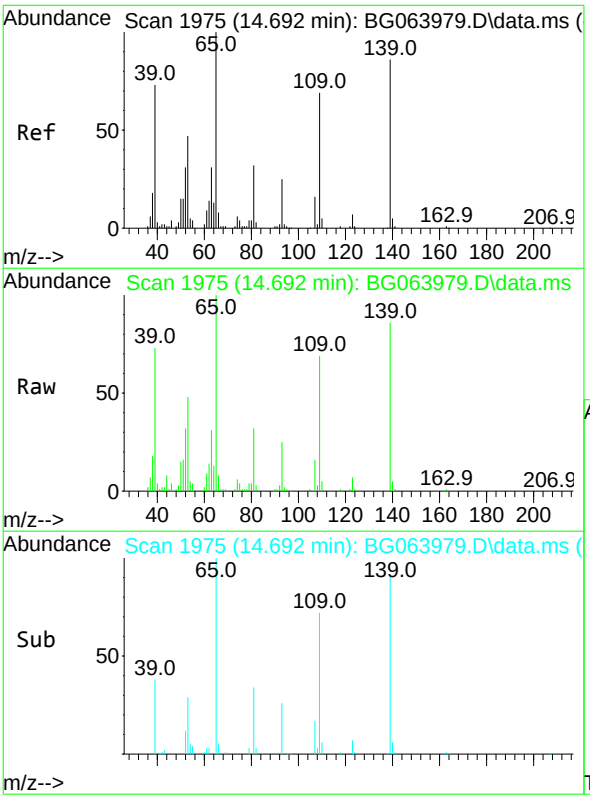
#55
Dibenzofuran
Concen: 39.775 ng
RT: 14.897 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 639708

Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.6	43.0
169	13.3	10.6	16.0

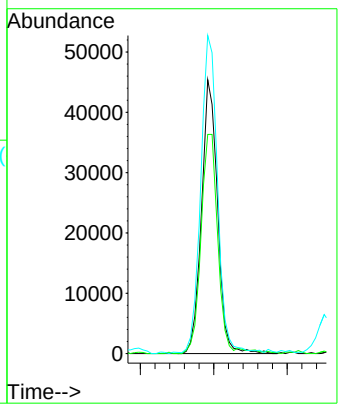


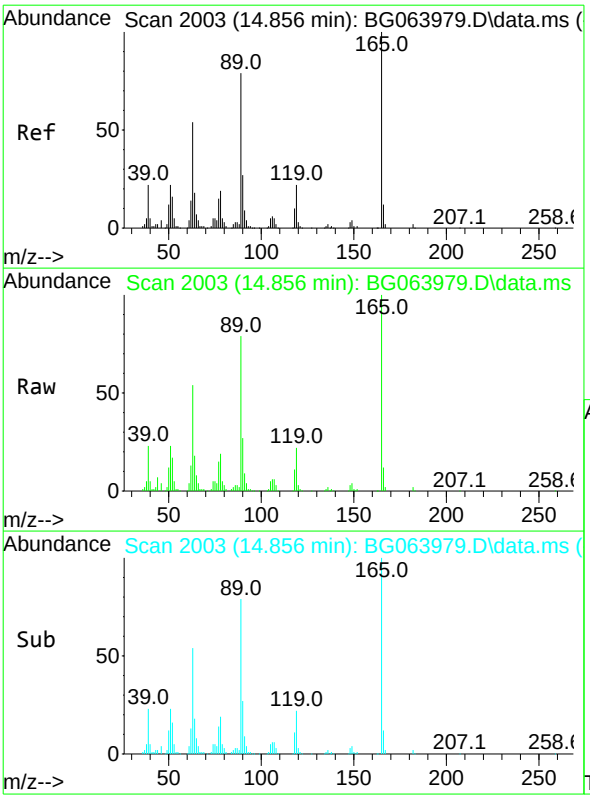


#56
4-Nitrophenol
Concen: 36.454 ng
RT: 14.692 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:139 Resp: 68812

Ion	Ratio	Lower	Upper
139	100		
109	80.1	60.1	100.1
65	116.2	96.2	136.2



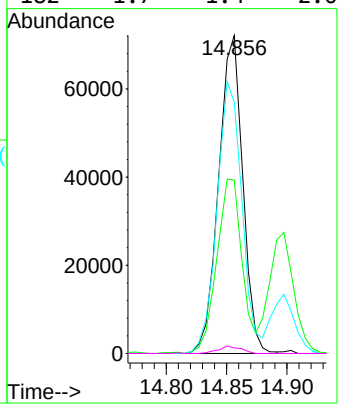


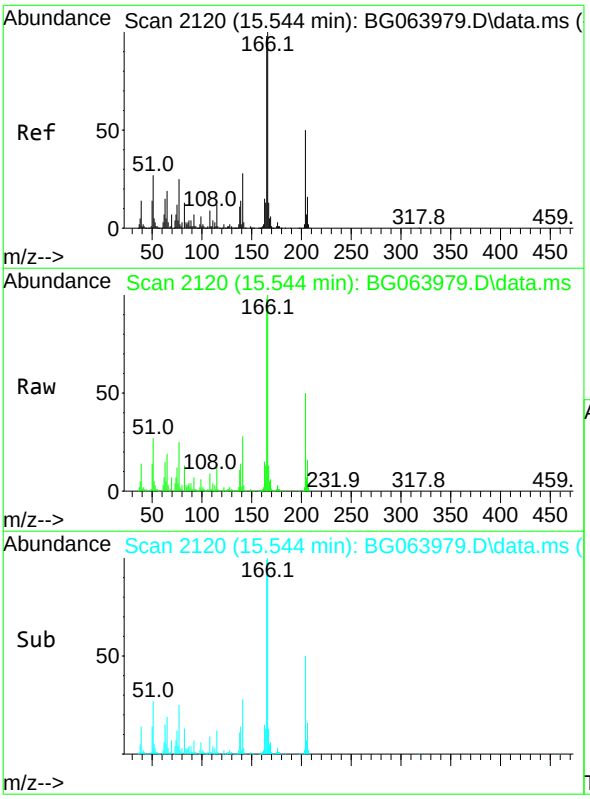
#57
2,4-Dinitrotoluene
Concen: 38.133 ng
RT: 14.856 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 100291

Ion	Ratio	Lower	Upper
165	100		
63	54.5	43.6	65.4
89	78.9	63.1	94.7
182	1.7	1.4	2.0

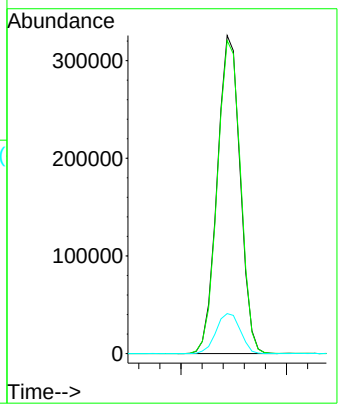


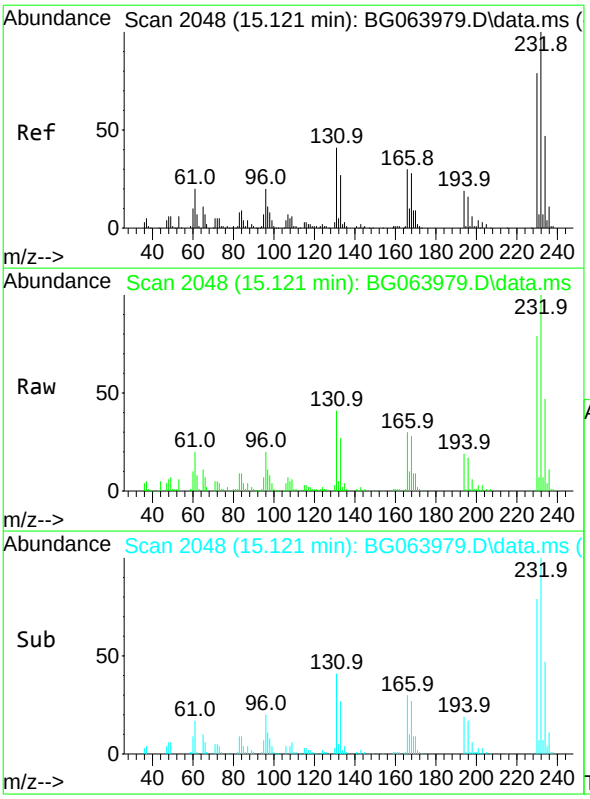


#58
Fluorene
Concen: 39.612 ng
RT: 15.544 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:166 Resp: 492419

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.7	118.1
167	12.6	10.1	15.1



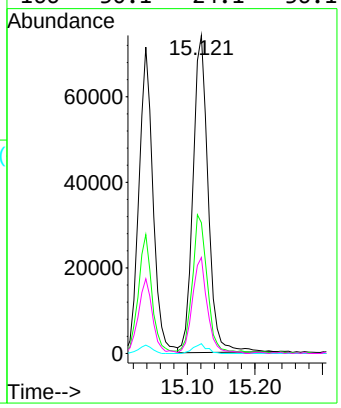


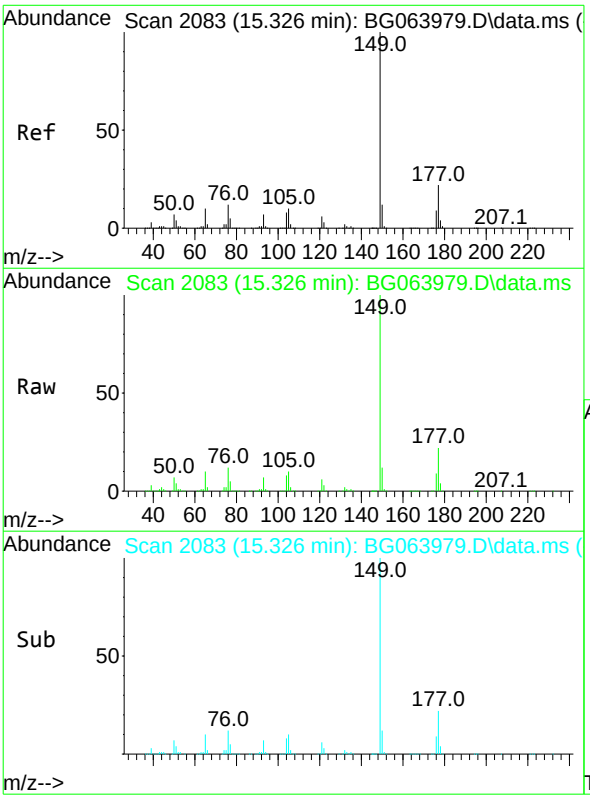
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.040 ng
RT: 15.121 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 115130

Ion	Ratio	Lower	Upper
232	100		
131	42.5	34.0	51.0
130	2.8	2.2	3.4
166	30.1	24.1	36.1

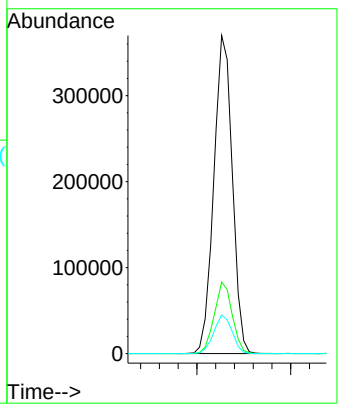


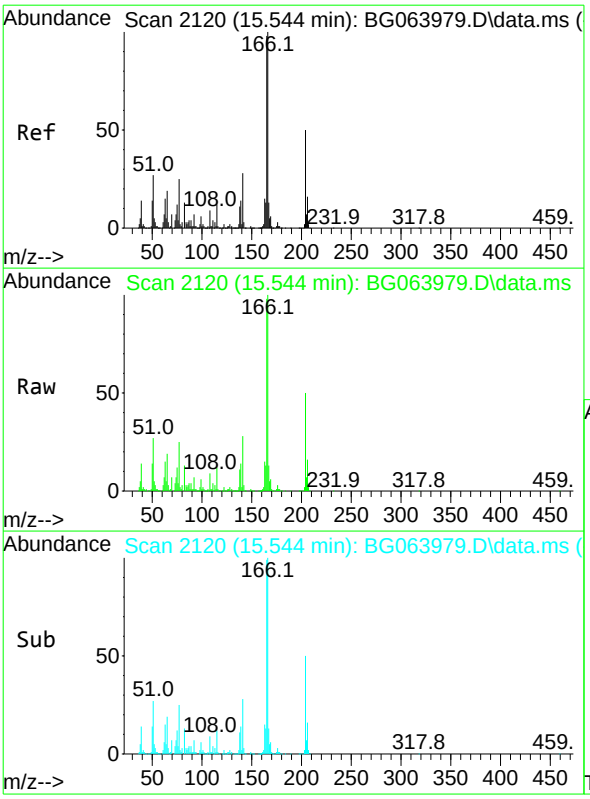


#60
Diethylphthalate
Concen: 42.063 ng
RT: 15.326 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:149 Resp: 506557

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.1	9.7	14.5



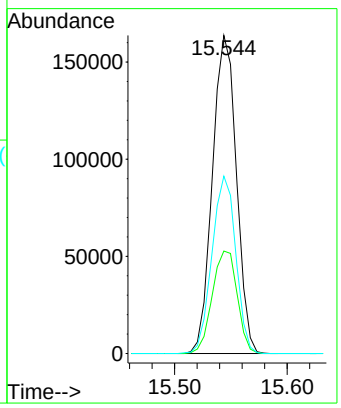


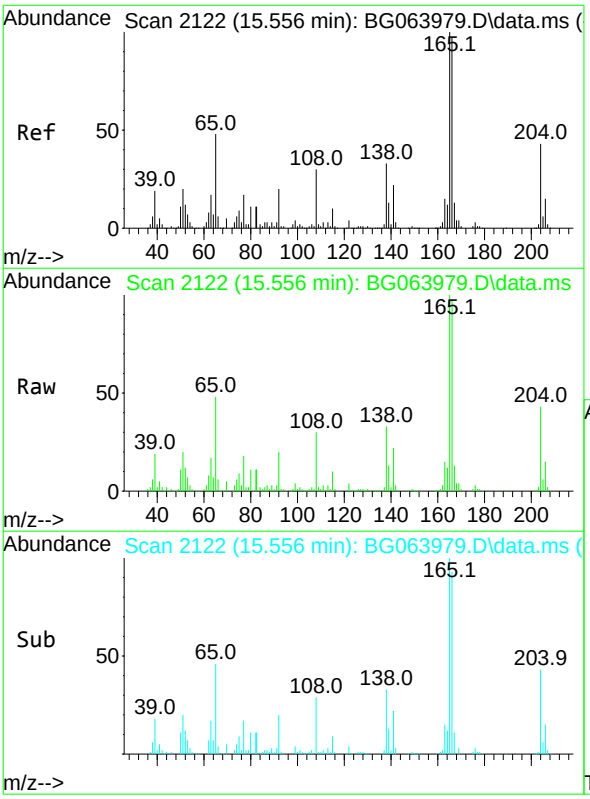
#61
4-Chlorophenyl-phenylether
Concen: 38.891 ng
RT: 15.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 242572

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	55.8	44.6	67.0

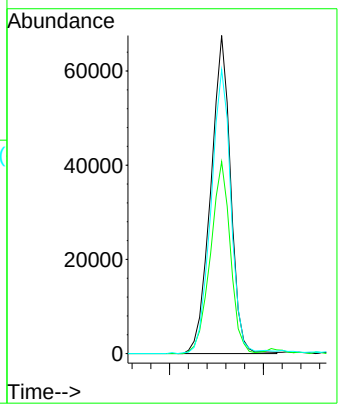


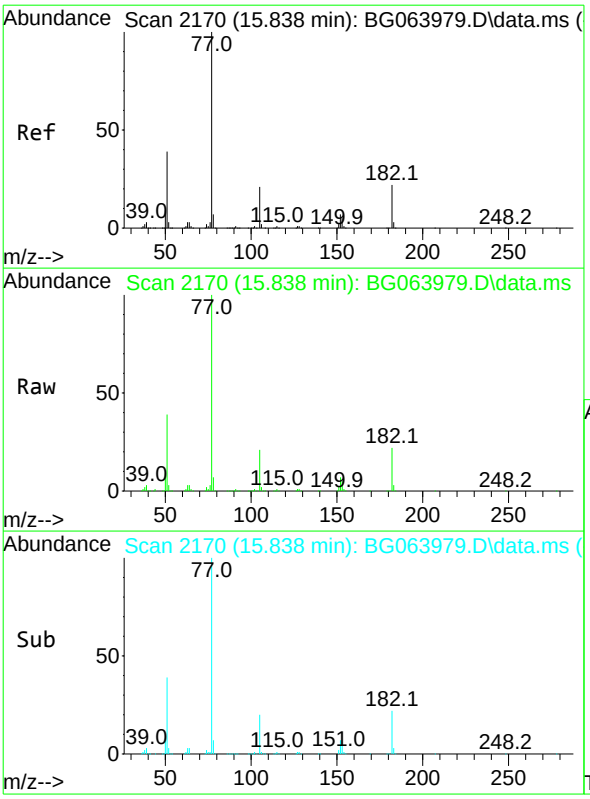


#62
4-Nitroaniline
Concen: 37.793 ng
RT: 15.556 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:138 Resp: 99097

Ion	Ratio	Lower	Upper
138	100		
92	60.3	40.3	80.3
108	89.3	69.3	109.3



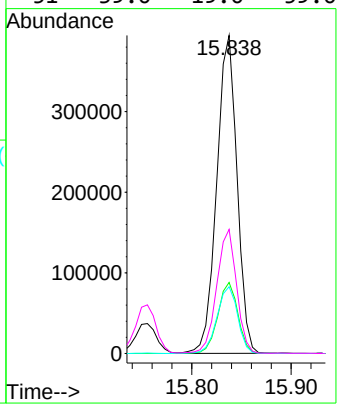


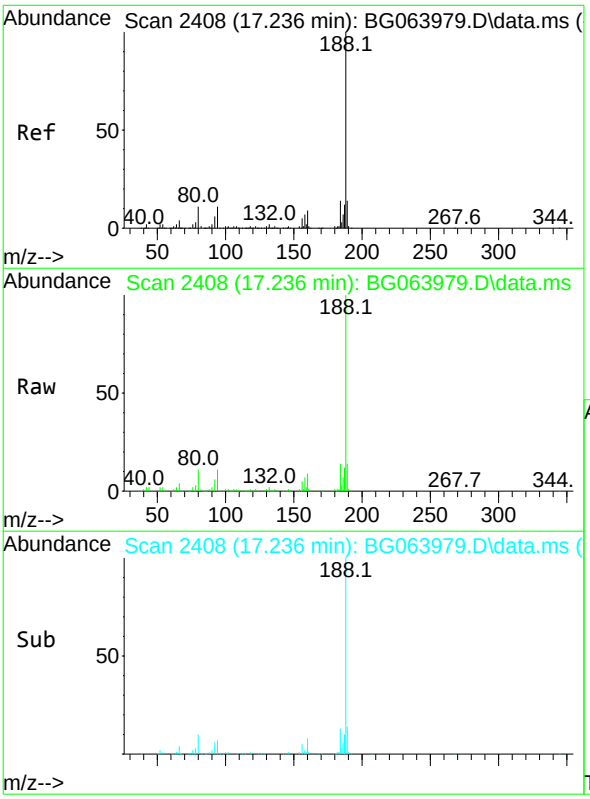
#63
Azobenzene
Concen: 39.414 ng
RT: 15.838 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 560634

Ion	Ratio	Lower	Upper
77	100		
182	22.3	2.3	42.3
105	21.0	1.0	41.0
51	39.0	19.0	59.0

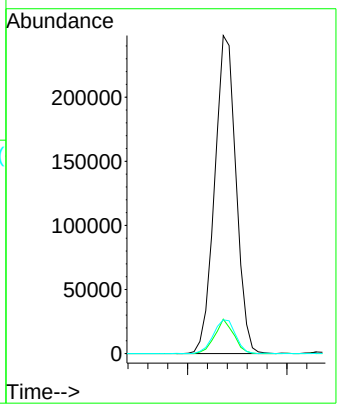


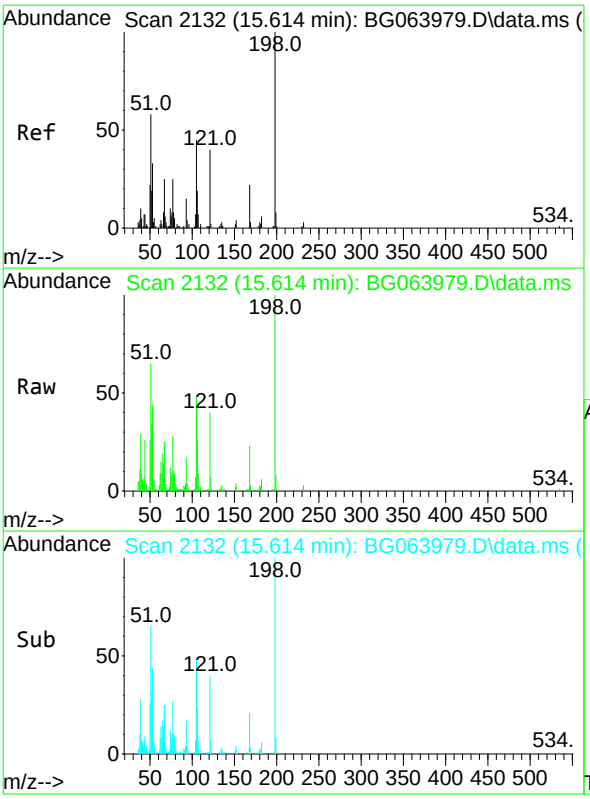


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.236 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:188 Resp: 370673

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	10.6	8.5	12.7



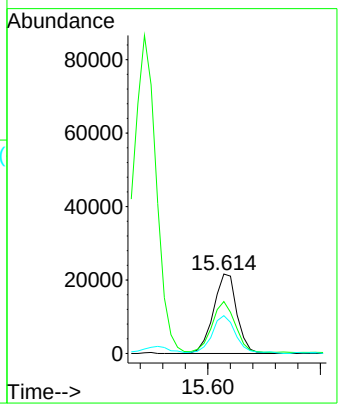


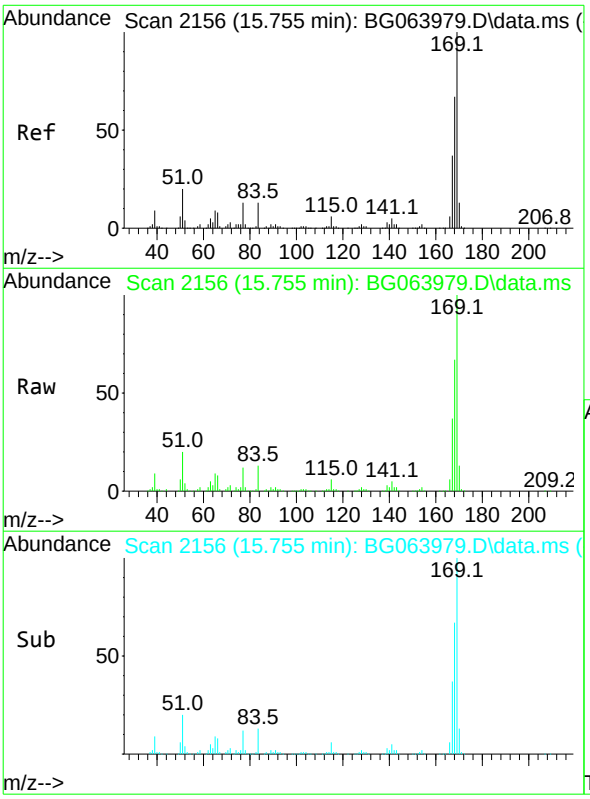
#65
4,6-Dinitro-2-methylphenol
Concen: 39.130 ng
RT: 15.614 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 31222

Ion	Ratio	Lower	Upper
198	100		
51	65.4	45.4	85.4
105	47.7	27.7	67.7

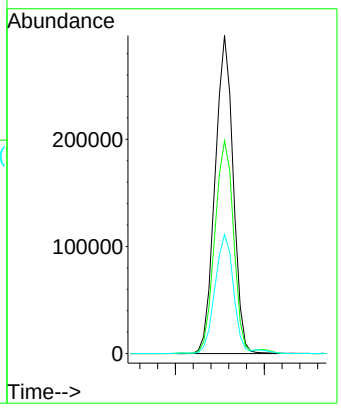


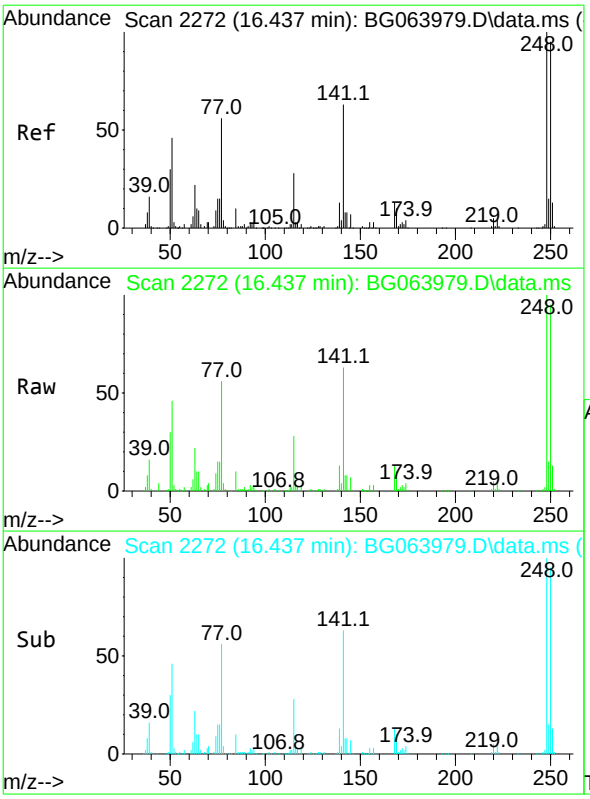


#66
n-Nitrosodiphenylamine
Concen: 40.953 ng
RT: 15.755 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:169 Resp: 420890

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.5	80.3
167	37.5	30.0	45.0



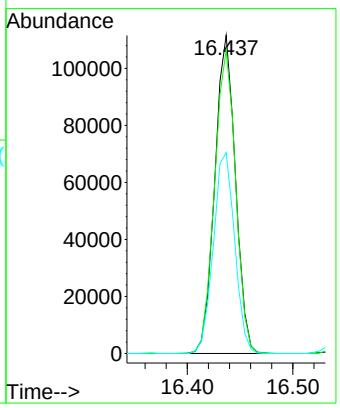


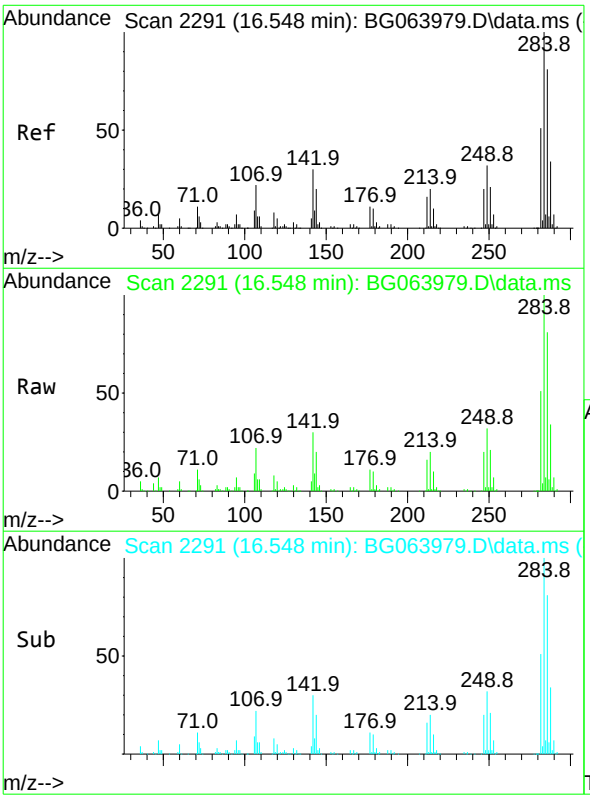
#67
4-Bromophenyl-phenylether
Concen: 40.962 ng
RT: 16.437 min Scan# 22
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 151128

Ion	Ratio	Lower	Upper
248	100		
250	95.3	76.2	114.4
141	63.2	50.6	75.8

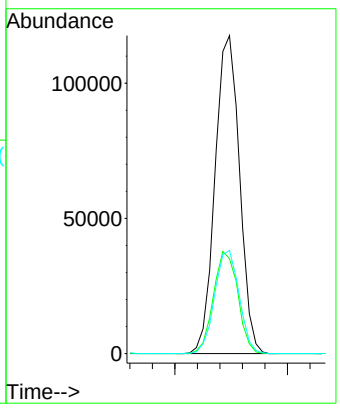


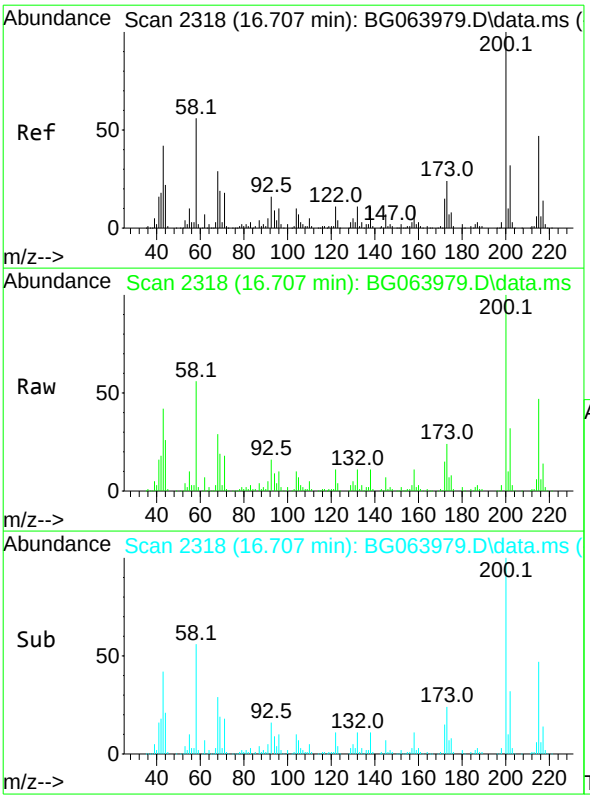


#68
Hexachlorobenzene
Concen: 40.982 ng
RT: 16.548 min Scan# 2291
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:284 Resp: 177766

Ion	Ratio	Lower	Upper
284	100		
142	29.8	23.8	35.8
249	32.4	25.9	38.9



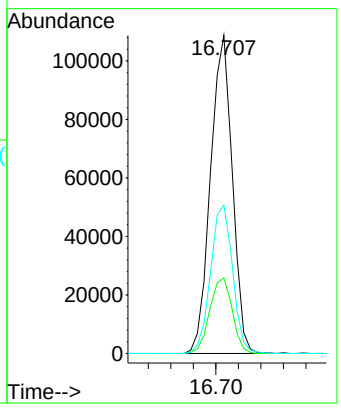


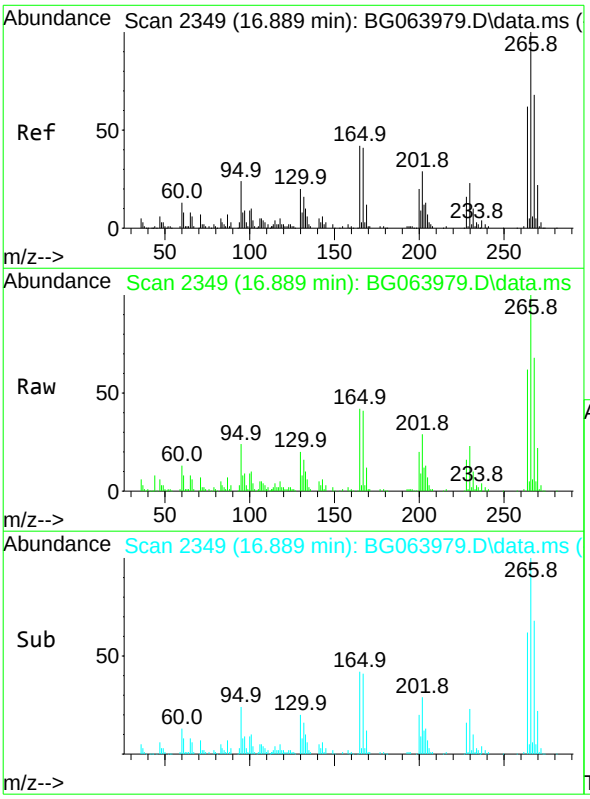
#69
Atrazine
Concen: 42.803 ng
RT: 16.707 min Scan# 23
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 146392

Ion	Ratio	Lower	Upper
200	100		
173	23.8	3.8	43.8
215	46.6	26.6	66.6

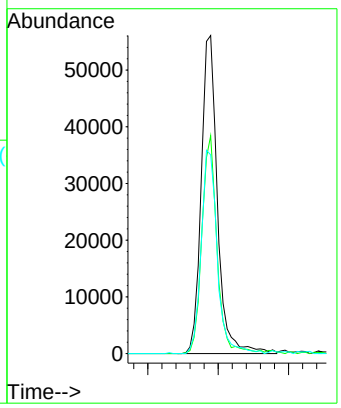


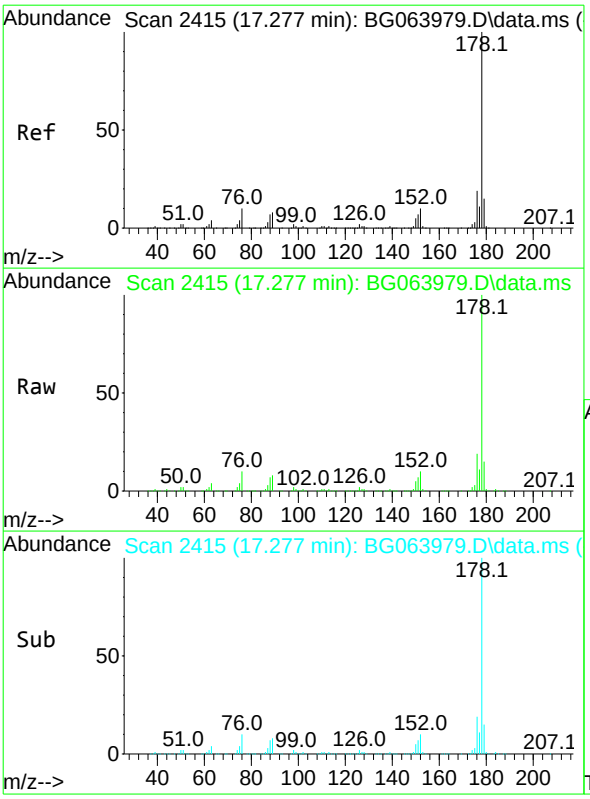


#70
Pentachlorophenol
Concen: 37.000 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:266 Resp: 90008

Ion	Ratio	Lower	Upper
266	100		
268	68.5	54.8	82.2
264	62.5	50.0	75.0



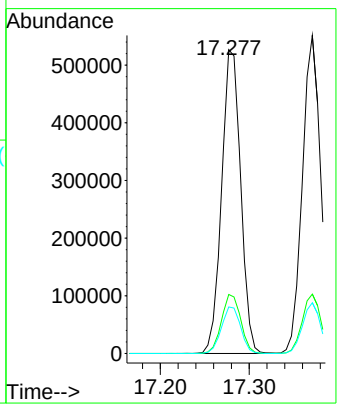


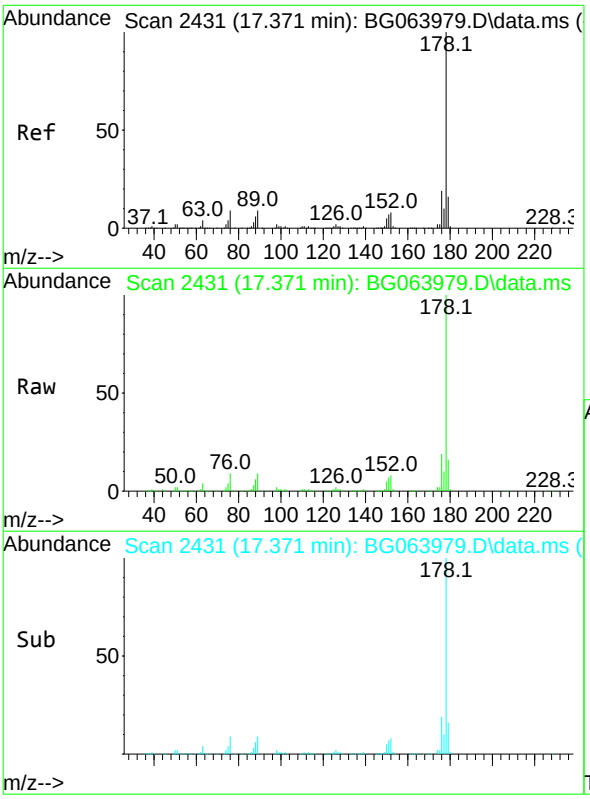
#71
Phenanthrene
Concen: 40.325 ng
RT: 17.277 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 785058

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

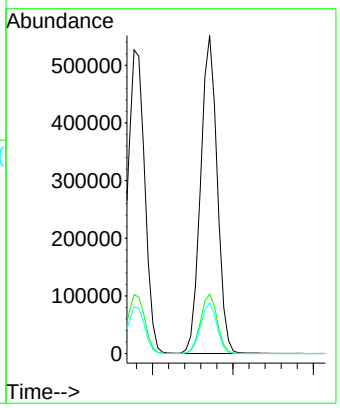


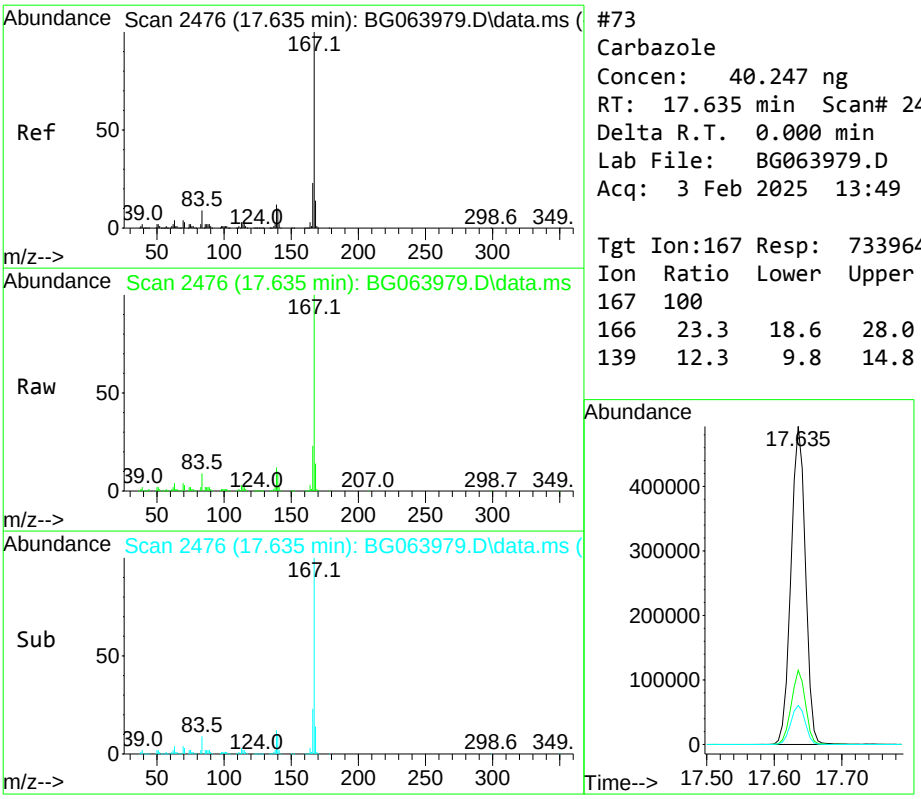


#72
Anthracene
Concen: 40.557 ng
RT: 17.371 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:178 Resp: 790085

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	16.0	12.8	19.2



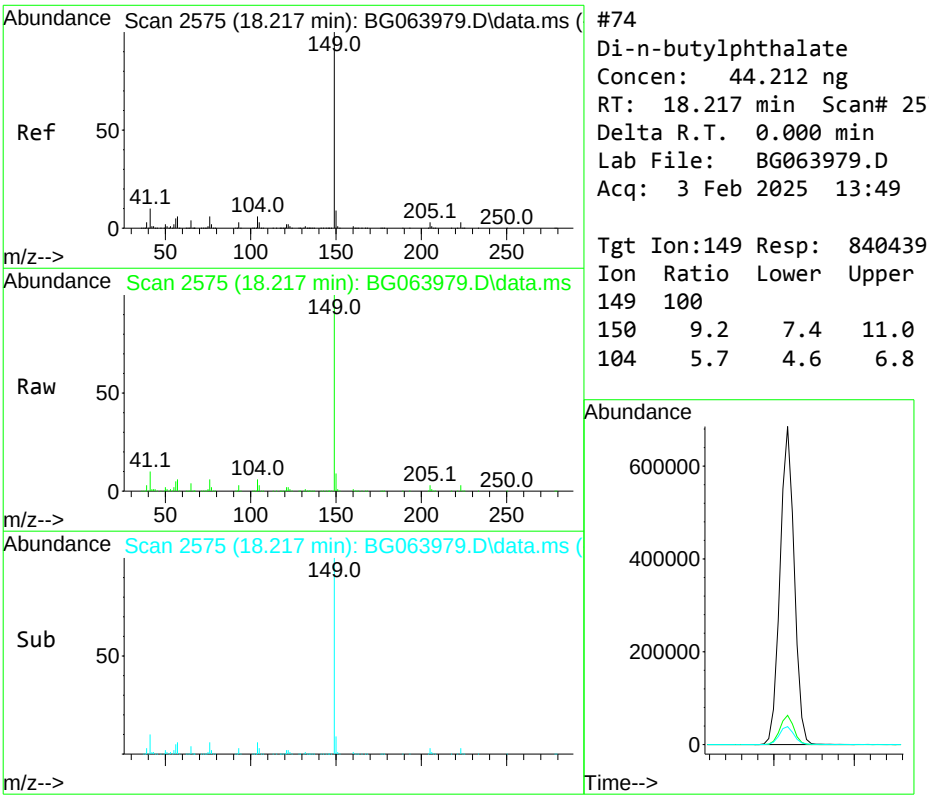


#73
Carbazole
Concen: 40.247 ng
RT: 17.635 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 733964

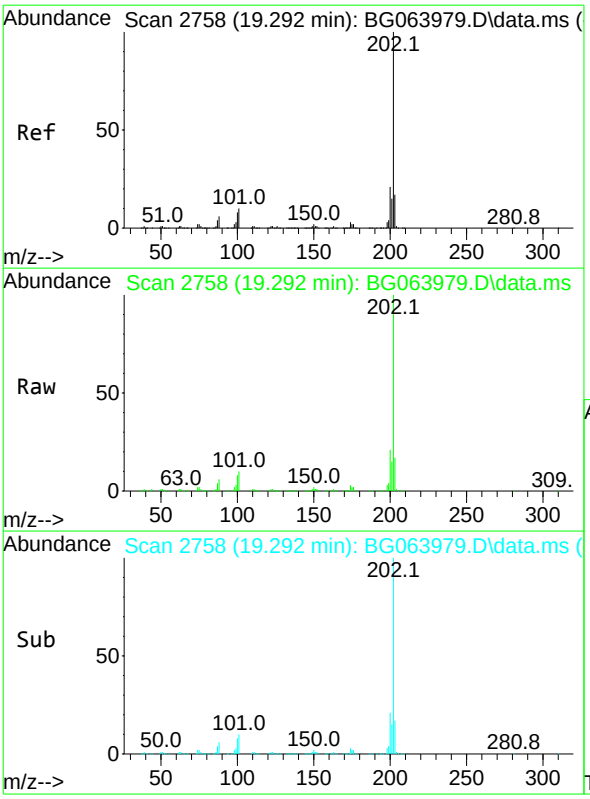
Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.6	28.0
139	12.3	9.8	14.8



#74
Di-n-butylphthalate
Concen: 44.212 ng
RT: 18.217 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:149 Resp: 840439

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.7	4.6	6.8

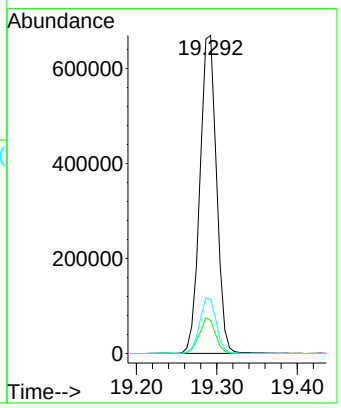


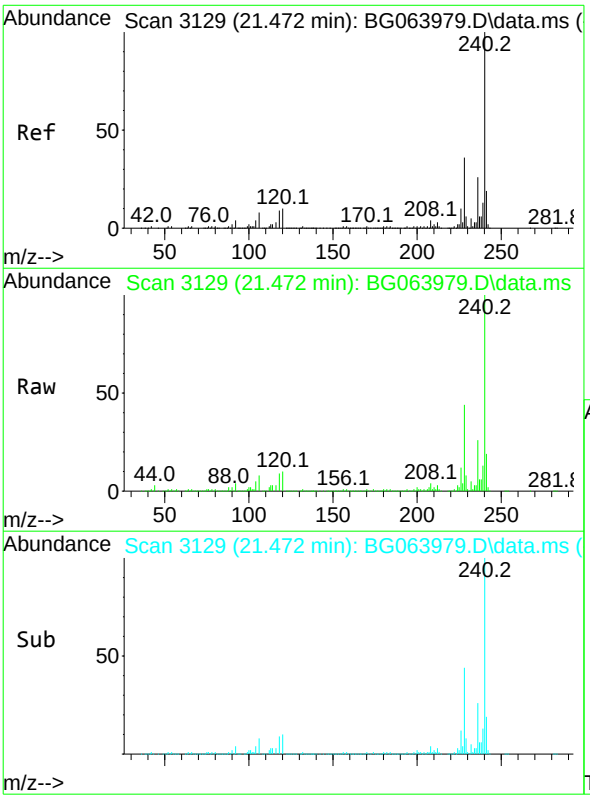
#75
Fluoranthene
Concen: 40.430 ng
RT: 19.292 min Scan# 27
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 958478

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.4
203	17.0	0.0	37.0

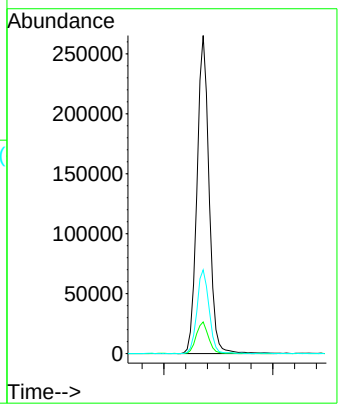


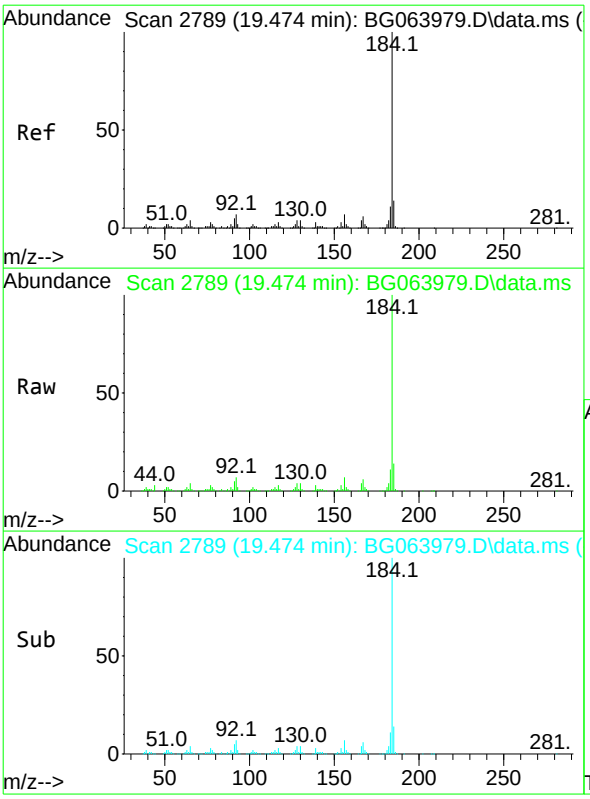


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:240 Resp: 406429

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.9	11.9
236	26.3	21.0	31.6



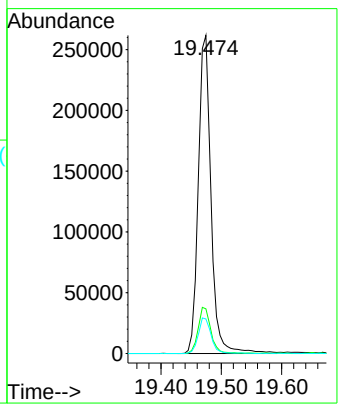


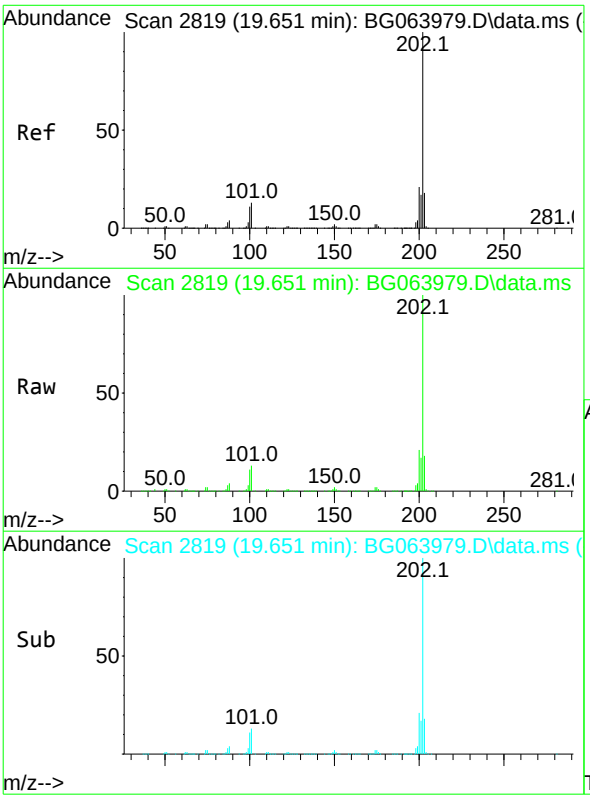
#77
Benzidine
Concen: 44.254 ng
RT: 19.474 min Scan# 27
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 383004

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	10.9	8.7	13.1

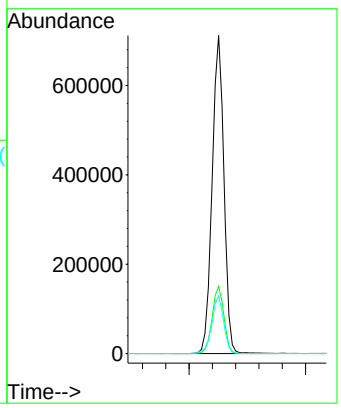


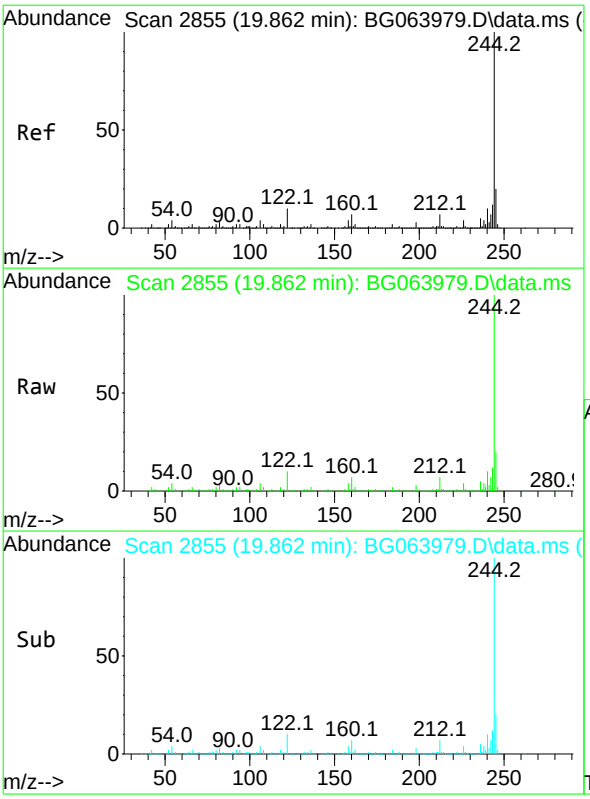


#78
Pyrene
Concen: 39.954 ng
RT: 19.651 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:202 Resp: 1002470

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.1	14.5	21.7



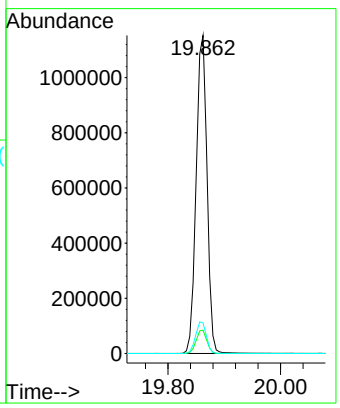


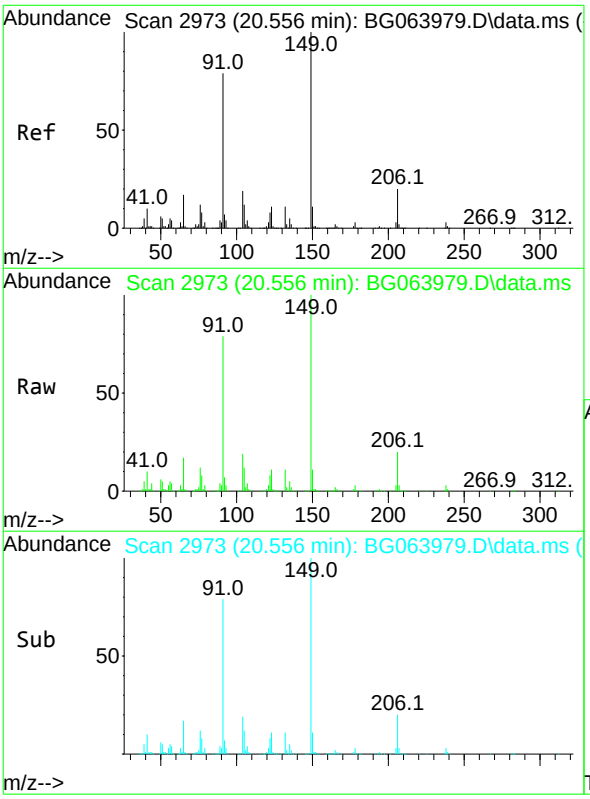
#79
Terphenyl-d14
Concen: 79.486 ng
RT: 19.862 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1546856

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.6	7.7	11.5

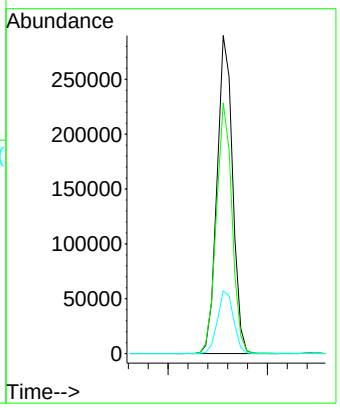


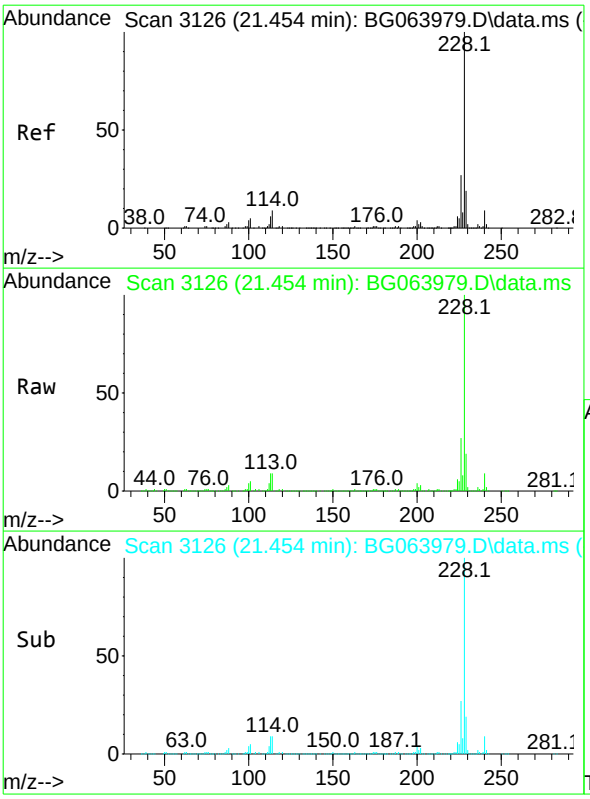


#80
Butylbenzylphthalate
Concen: 37.357 ng
RT: 20.556 min Scan# 2973
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:149 Resp: 315091

Ion	Ratio	Lower	Upper
149	100		
91	78.8	63.0	94.6
206	19.7	15.8	23.6



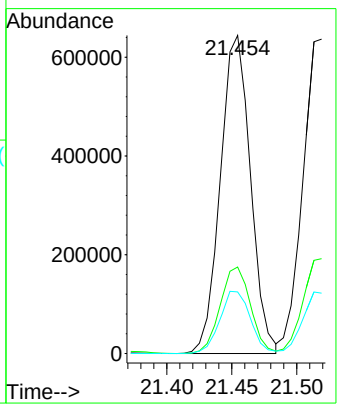


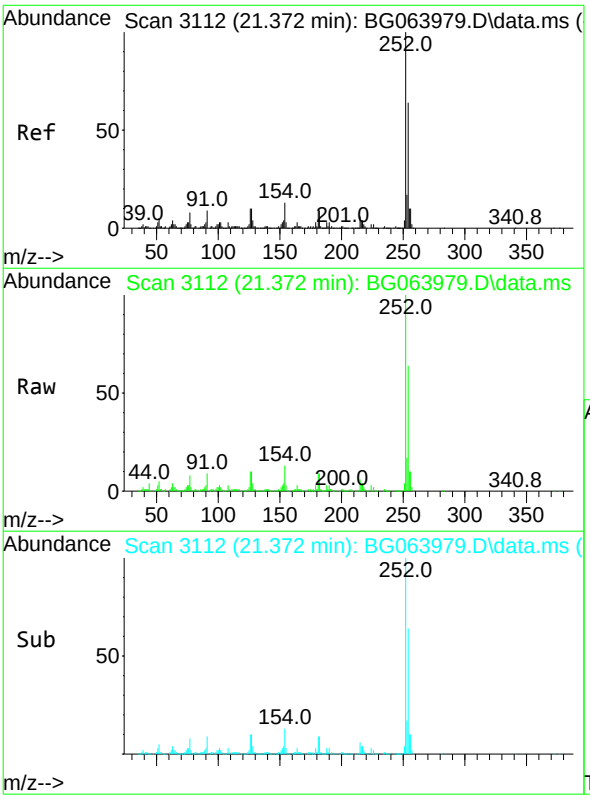
#81
Benzo(a)anthracene
Concen: 40.331 ng
RT: 21.454 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1040731

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	19.4	15.5	23.3

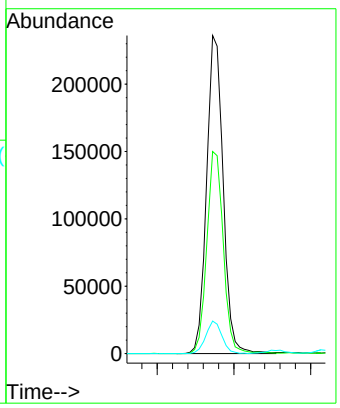


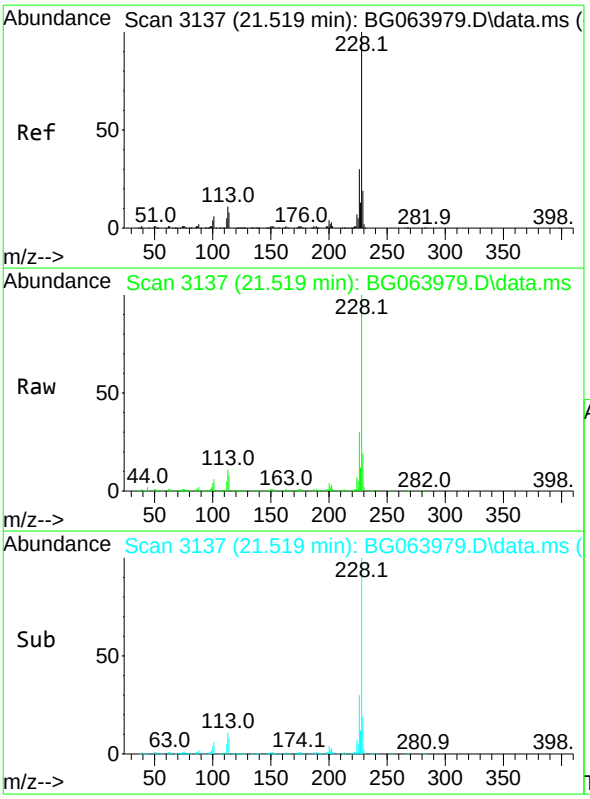


#82
3,3'-Dichlorobenzidine
Concen: 43.893 ng
RT: 21.372 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:252 Resp: 352733

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	10.2	8.2	12.2



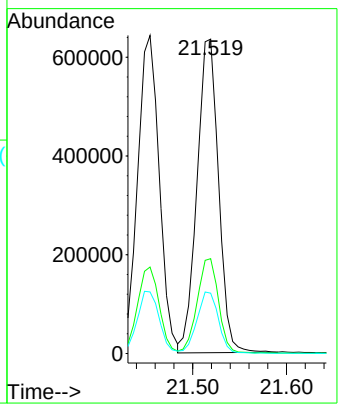


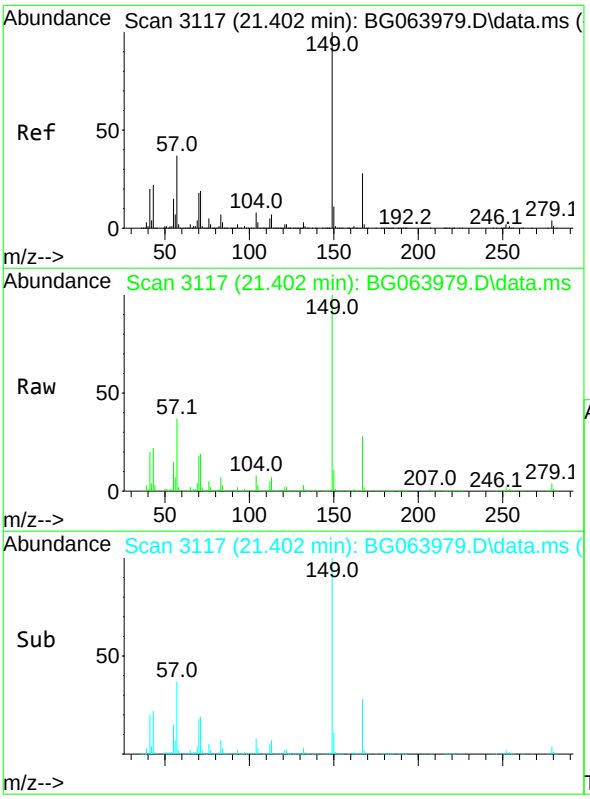
#83
Chrysene
Concen: 39.507 ng
RT: 21.519 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1014525

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.2	15.4	23.0

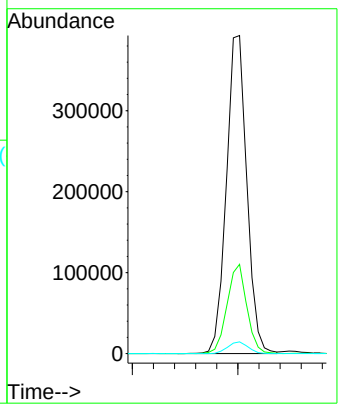


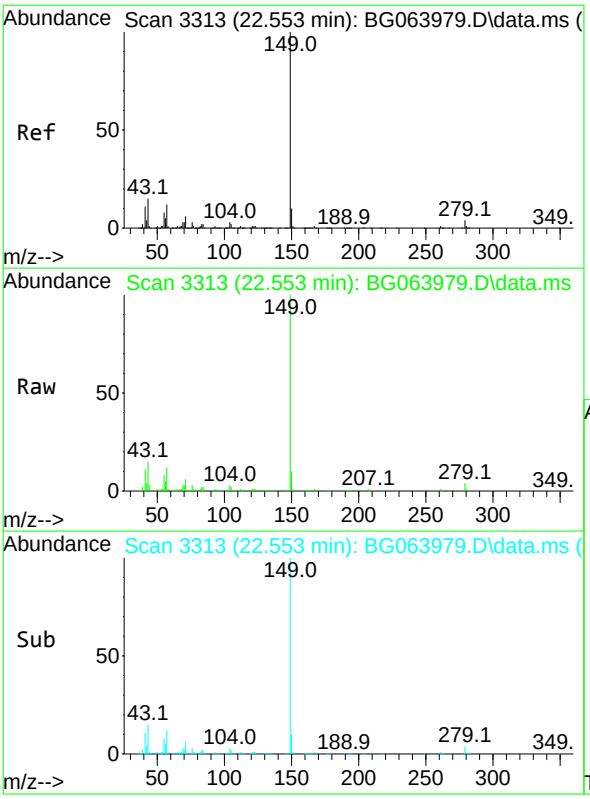


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.571 ng
RT: 21.402 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:149 Resp: 528301

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	3.7	3.0	4.4



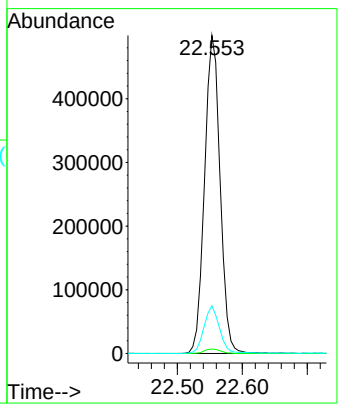


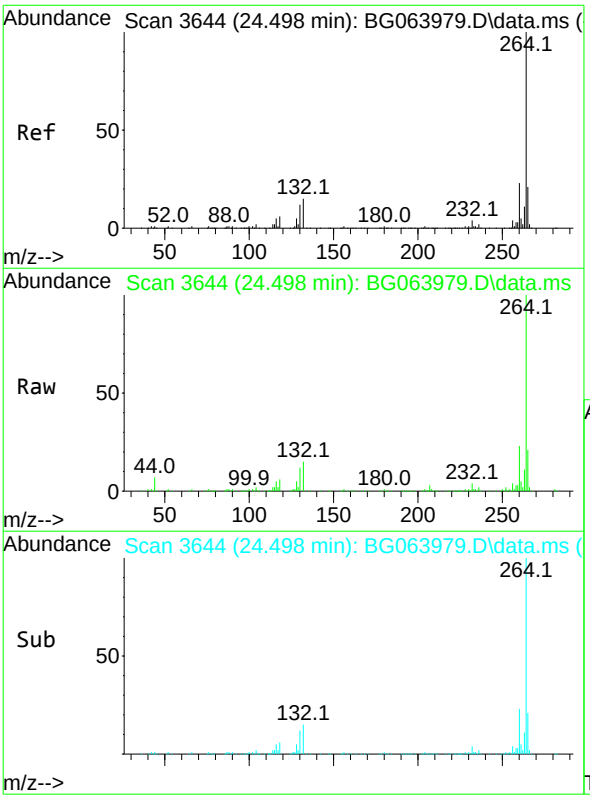
#85
Di-n-octyl phthalate
Concen: 37.813 ng
RT: 22.553 min Scan# 33
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 829893

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.4	12.3	18.5

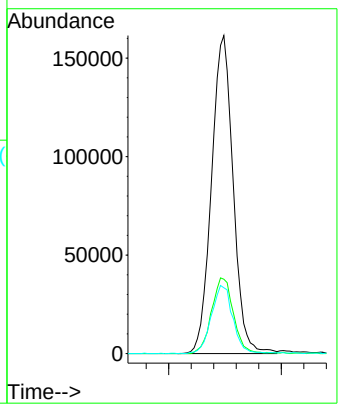


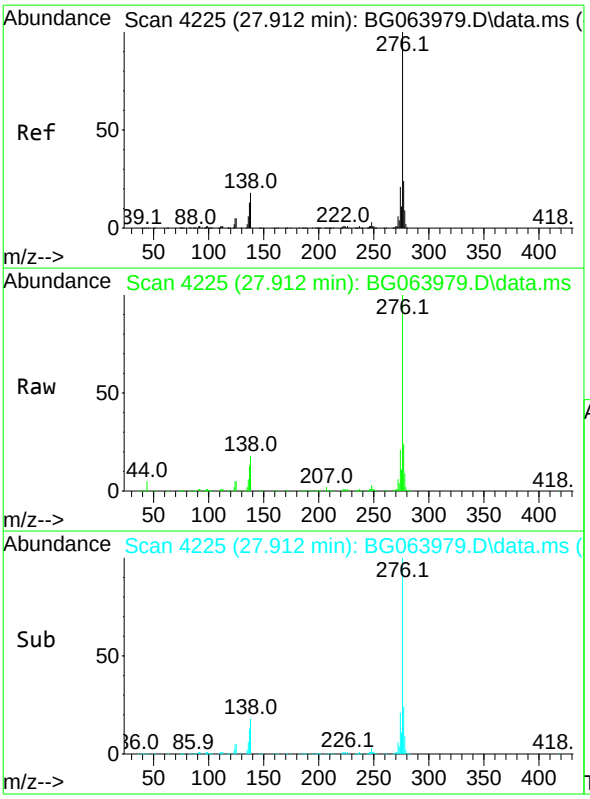


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.498 min Scan# 3644
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:264 Resp: 431314

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	20.7	16.6	24.8



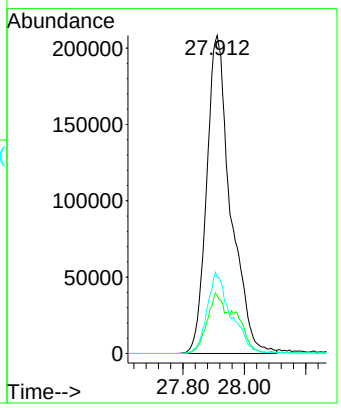


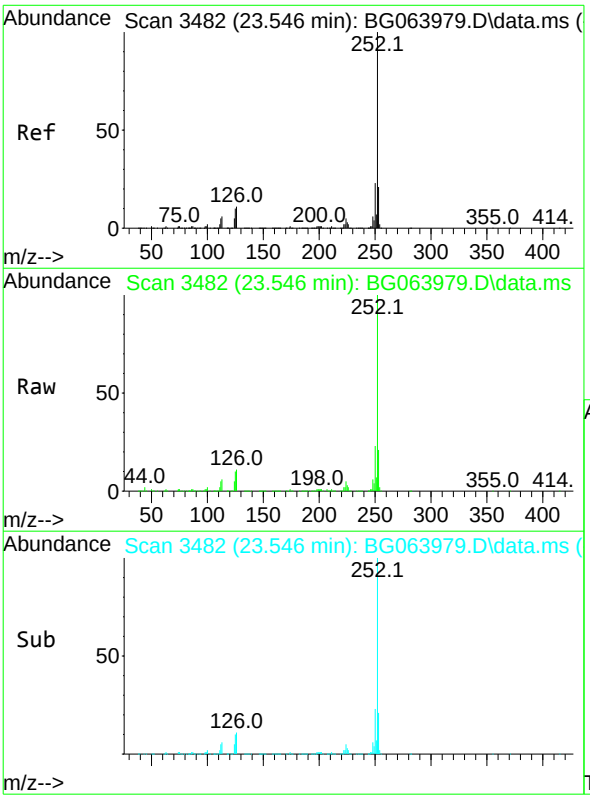
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.525 ng
RT: 27.912 min Scan# 42
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1127623

Ion	Ratio	Lower	Upper
276	100		
138	13.4	10.7	16.1
277	25.3	20.2	30.4

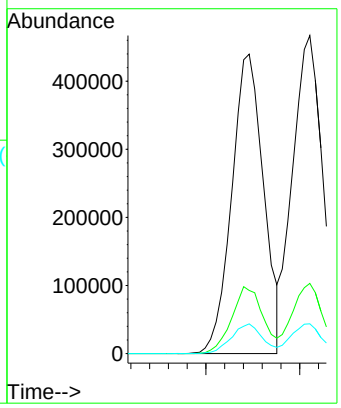


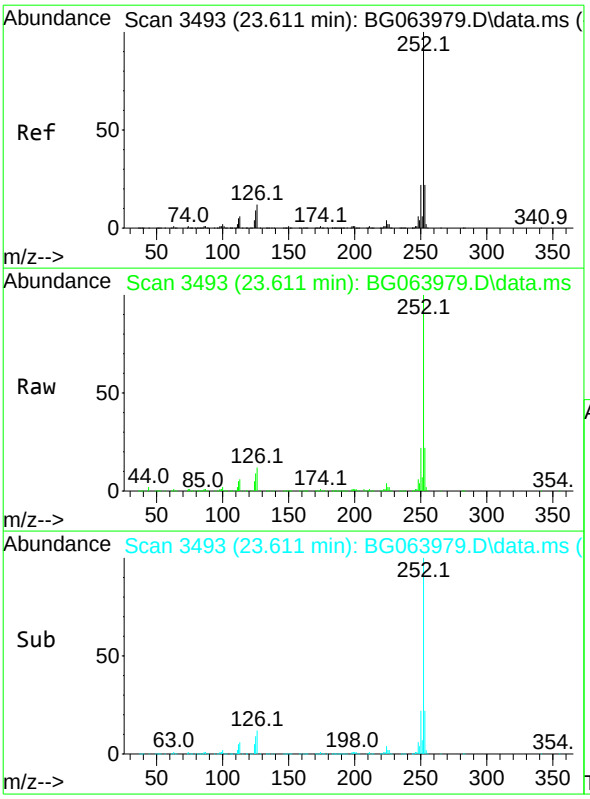


#88
Benzo(b)fluoranthene
Concen: 40.823 ng
RT: 23.546 min Scan# 3482
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:252 Resp: 1036813

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.9	25.3
125	9.9	7.9	11.9



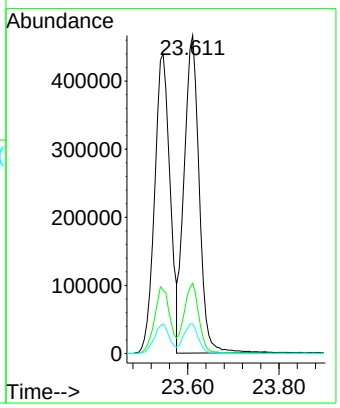


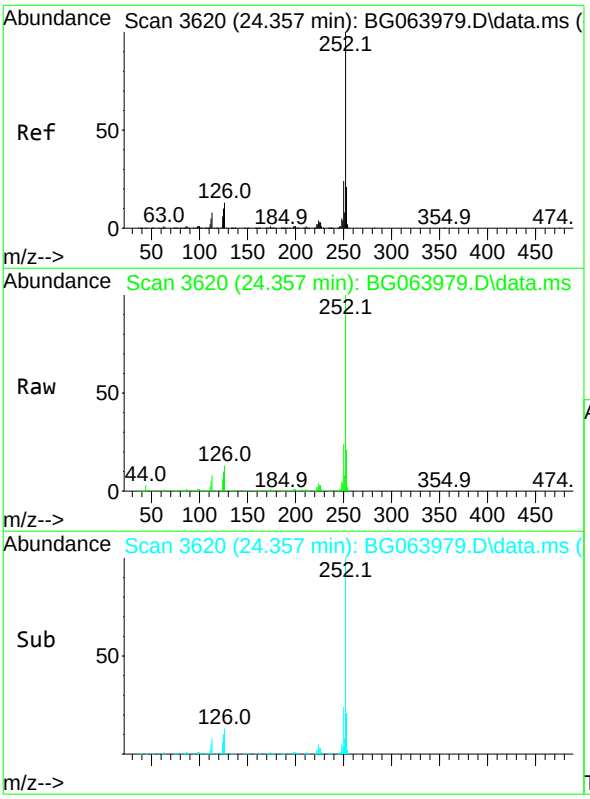
#89
Benzo(k)fluoranthene
Concen: 41.029 ng
RT: 23.611 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 1069986

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.4	7.5	11.3

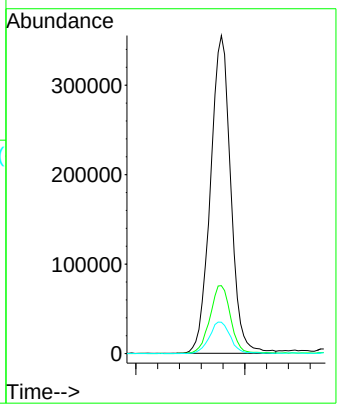


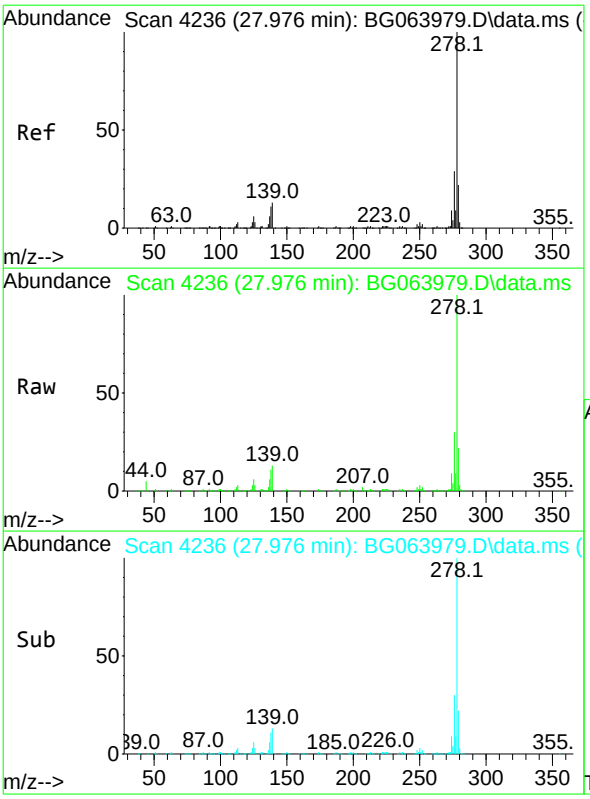


#90
Benzo(a)pyrene
Concen: 40.533 ng
RT: 24.357 min Scan# 3620
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:252 Resp: 918885

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.9	7.9	11.9



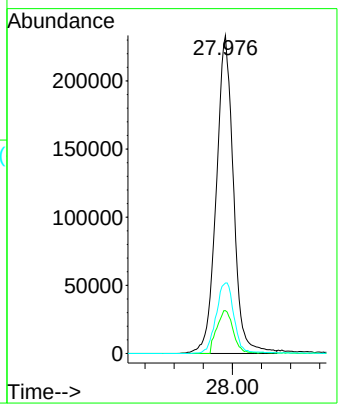


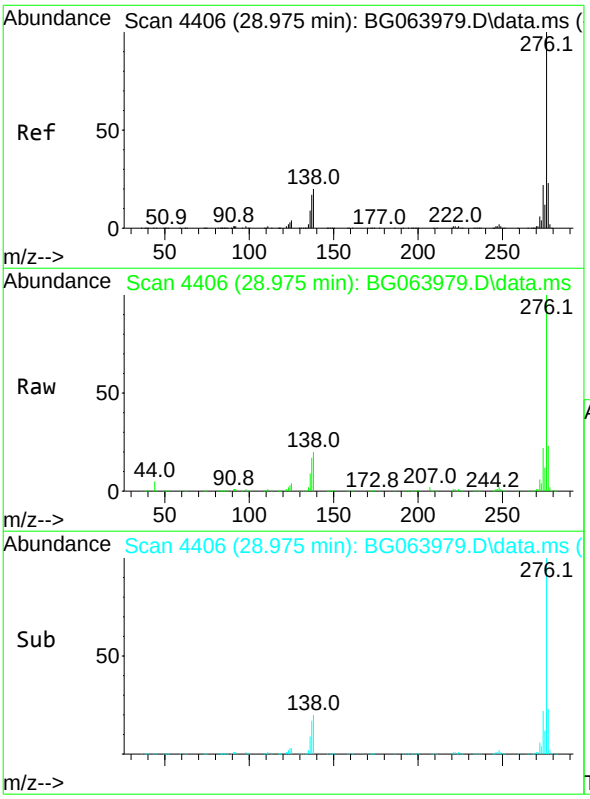
#91
Dibenzo(a,h)anthracene
Concen: 40.713 ng
RT: 27.976 min Scan# 42
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 956574

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.8	16.2
279	22.2	17.8	26.6

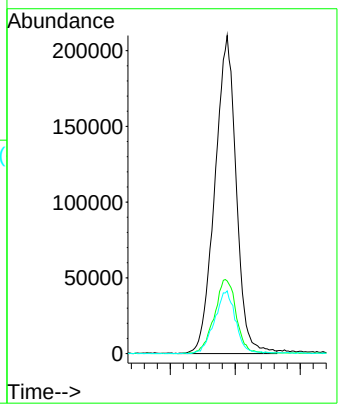




#92
Benzo(g,h,i)perylene
Concen: 40.388 ng
RT: 28.975 min Scan# 4406
Delta R.T. 0.000 min
Lab File: BG063979.D
Acq: 3 Feb 2025 13:49

Tgt Ion:276 Resp: 957984

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.2	27.4
138	19.7	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063980.D
Acq On : 3 Feb 2025 14:26
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Quant Time: Feb 04 02:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.876	152	56749	20.000	ng		0.00
21) Naphthalene-d8	10.667	136	243319	20.000	ng		0.00
39) Acenaphthene-d10	14.498	164	164887	20.000	ng		0.00
64) Phenanthrene-d10	17.242	188	377635	20.000	ng	#	0.00
76) Chrysene-d12	21.472	240	407666	20.000	ng		0.00
86) Perylene-d12	24.492	264	435371	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.461	112	369397	104.365	ng		0.00
7) Phenol-d6	7.042	99	496905	102.301	ng		0.00
23) Nitrobenzene-d5	9.028	82	429429	107.261	ng		0.00
42) 2,4,6-Tribromophenol	15.984	330	179700	98.529	ng		0.00
45) 2-Fluorobiphenyl	13.129	172	1049069	97.480	ng		0.00
79) Terphenyl-d14	19.862	244	1952143	100.008	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.393	88	81445	48.452	ng		96
3) Pyridine	3.775	79	229456	50.530	ng		98
4) n-Nitrosodimethylamine	3.693	42	133432	51.124	ng		97
6) Aniline	7.206	93	261007	50.143	ng		99
8) 2-Chlorophenol	7.441	128	191799	53.179	ng		98
9) Benzaldehyde	7.018	77	127202	47.971	ng		96
10) Phenol	7.065	94	257583	50.378	ng		98
11) bis(2-Chloroethyl)ether	7.300	93	202852	49.269	ng		98
12) 1,3-Dichlorobenzene	7.765	146	210484	49.044	ng		98
13) 1,4-Dichlorobenzene	7.911	146	213441	49.244	ng		97
14) 1,2-Dichlorobenzene	8.229	146	203351	48.950	ng		97
15) Benzyl Alcohol	8.111	79	185332	51.047	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.411	45	409080	49.342	ng		99
17) 2-Methylphenol	8.311	107	171725	51.930	ng		93
18) Hexachloroethane	8.957	117	73792	51.731	ng		99
19) n-Nitroso-di-n-propyla...	8.681	70	168564	50.113	ng		98
20) 3+4-Methylphenols	8.640	107	229663	52.130	ng		99
22) Acetophenone	8.693	105	331445	49.578	ng	#	99
24) Nitrobenzene	9.069	77	227414	49.049	ng		97
25) Isophorone	9.592	82	435312	50.157	ng		99
26) 2-Nitrophenol	9.780	139	54960	49.855	ng		92
27) 2,4-Dimethylphenol	9.839	122	131756	52.775	ng		96
28) bis(2-Chloroethoxy)met...	10.079	93	274452	49.697	ng		99
29) 2,4-Dichlorophenol	10.309	162	173494	49.534	ng		99
30) 1,2,4-Trichlorobenzene	10.526	180	204286	49.807	ng		97
31) Naphthalene	10.714	128	644279	49.388	ng		100
32) Benzoic acid	9.980	122	86233m	50.091	ng		
33) 4-Chloroaniline	10.820	127	252437	50.506	ng		98
34) Hexachlorobutadiene	11.008	225	130336	49.900	ng		98
35) Caprolactam	11.584	113	64246	50.060	ng	#	86
36) 4-Chloro-3-methylphenol	11.936	107	214251	53.615	ng		99
37) 2-Methylnaphthalene	12.324	142	454167	49.960	ng		100
38) 1-Methylnaphthalene	12.541	142	442552	49.200	ng		99
40) 1,2,4,5-Tetrachloroben...	12.688	216	239330	49.220	ng		99
41) Hexachlorocyclopentadiene	12.676	237	68156	51.956	ng		97
43) 2,4,6-Trichlorophenol	12.929	196	137429	48.071	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063980.D
Acq On : 3 Feb 2025 14:26
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Quant Time: Feb 04 02:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.994	196	158823	49.288	ng		97
46) 1,1'-Biphenyl	13.334	154	613624	48.879	ng		98
47) 2-Chloronaphthalene	13.376	162	456709	49.913	ng		98
48) 2-Nitroaniline	13.570	65	124938	49.728	ng		94
49) Acenaphthylene	14.222	152	713794	50.222	ng		99
50) Dimethylphthalate	13.963	163	588395	53.820	ng		99
51) 2,6-Dinitrotoluene	14.069	165	102942	49.067	ng		98
52) Acenaphthene	14.562	154	473966	49.715	ng		97
53) 3-Nitroaniline	14.398	138	118656	48.854	ng		96
54) 2,4-Dinitrophenol	14.598	184	25036	48.933	ng		90
55) Dibenzofuran	14.897	168	762163	49.235	ng		99
56) 4-Nitrophenol	14.698	139	96236	49.148	ng		97
57) 2,4-Dinitrotoluene	14.856	165	136043	49.570	ng	#	98
58) Fluorene	15.550	166	585940	48.972	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.121	232	149725	48.217	ng		98
60) Diethylphthalate	15.332	149	632827	54.595	ng		99
61) 4-Chlorophenyl-phenyle...	15.544	204	291244	48.514	ng		100
62) 4-Nitroaniline	15.561	138	131413	50.584	ng		98
63) Azobenzene	15.837	77	681432	49.773	ng		99
65) 4,6-Dinitro-2-methylph...	15.620	198	45880	49.113	ng		94
66) n-Nitrosodiphenylamine	15.755	169	515448	49.229	ng		99
67) 4-Bromophenyl-phenylether	16.437	248	186109	49.513	ng		99
68) Hexachlorobenzene	16.548	284	213407	48.292	ng		97
69) Atrazine	16.707	200	188531	54.108	ng		96
70) Pentachlorophenol	16.889	266	126588	47.772	ng		95
71) Phenanthrene	17.283	178	982871	49.555	ng		99
72) Anthracene	17.371	178	978433	49.300	ng		99
73) Carbazole	17.635	167	930229	50.069	ng		98
74) Di-n-butylphthalate	18.217	149	1111295	57.383	ng		100
75) Fluoranthene	19.292	202	1216745	50.378	ng		99
77) Benzidine	19.474	184	462466	53.274	ng		98
78) Pyrene	19.651	202	1270395	50.478	ng		99
80) Butylbenzylphthalate	20.555	149	432573	49.082	ng		99
81) Benzo(a)anthracene	21.454	228	1305725	50.447	ng		100
82) 3,3'-Dichlorobenzidine	21.378	252	440960	54.706	ng		99
83) Chrysene	21.519	228	1292452	50.177	ng		100
84) Bis(2-ethylhexyl)phtha...	21.396	149	702362	49.670	ng		97
85) Di-n-octyl phthalate	22.553	149	1134481	49.016	ng		99
87) Indeno(1,2,3-cd)pyrene	27.912	276	1438078	51.200	ng		99
88) Benzo(b)fluoranthene	23.546	252	1299451	50.687	ng		99
89) Benzo(k)fluoranthene	23.611	252	1343233	51.026	ng		99
90) Benzo(a)pyrene	24.357	252	1166716	50.985	ng		99
91) Dibenzo(a,h)anthracene	27.982	278	1207699	50.922	ng		98
92) Benzo(g,h,i)perylene	28.981	276	1220878	50.992	ng		99

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

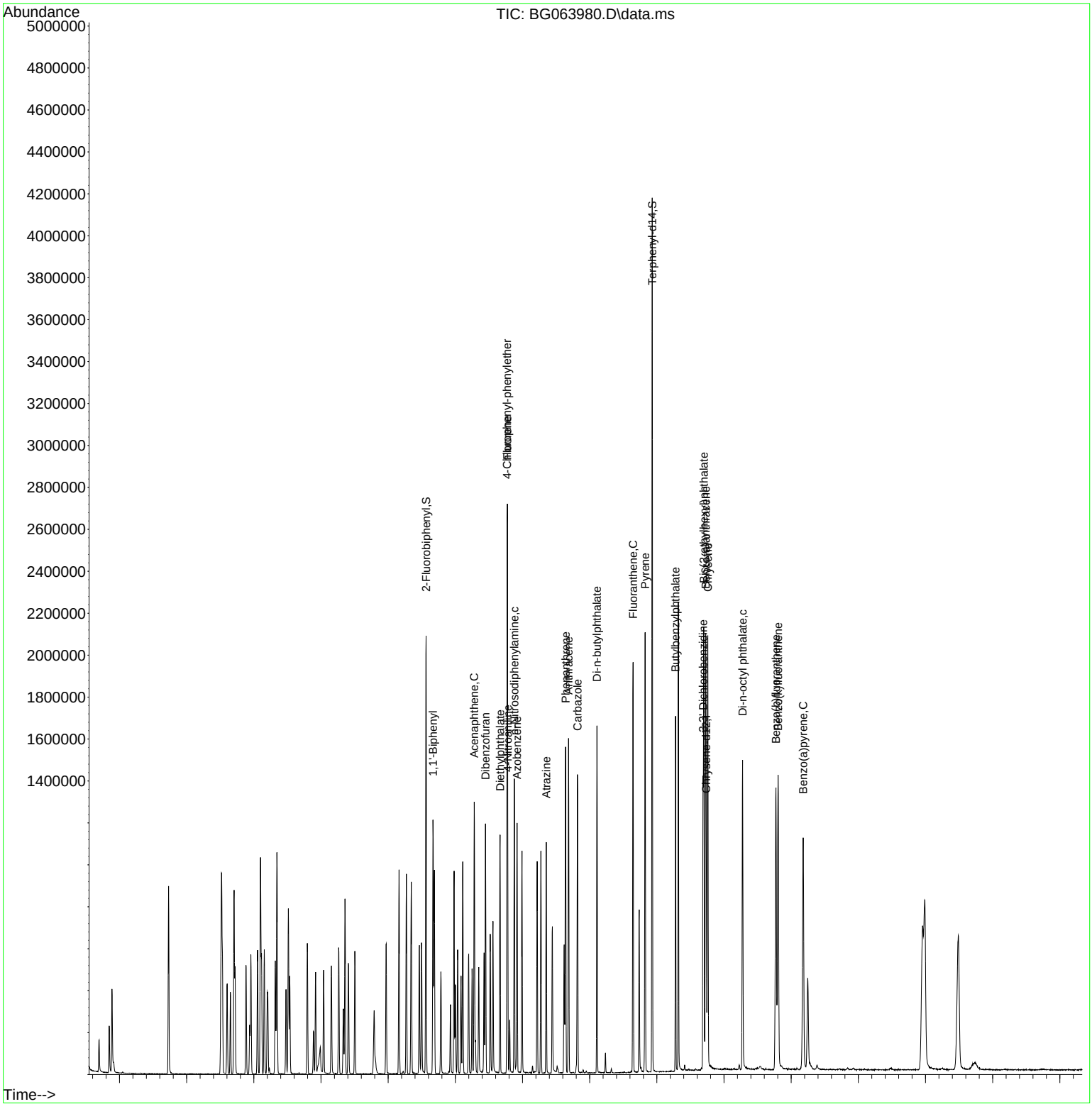
Quantitation Report (QT Reviewed)

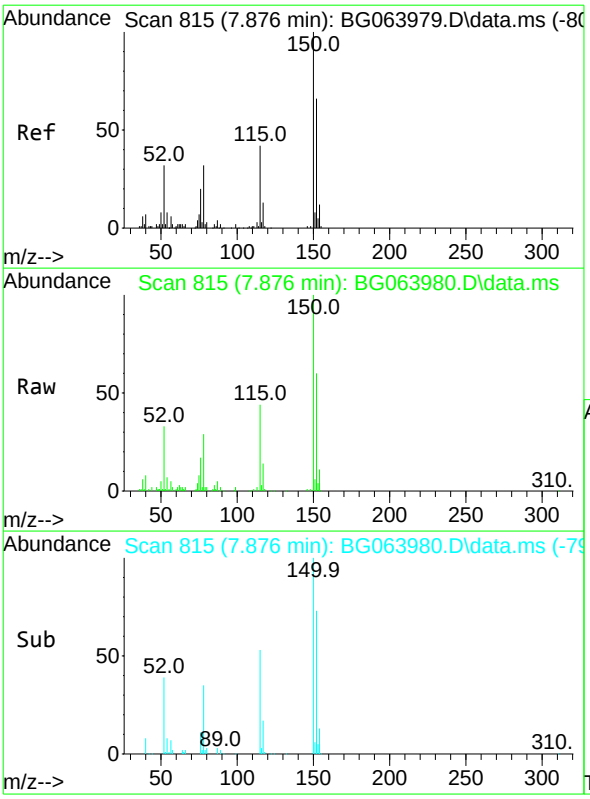
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063980.D
Acq On : 3 Feb 2025 14:26
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Quant Time: Feb 04 02:46:52 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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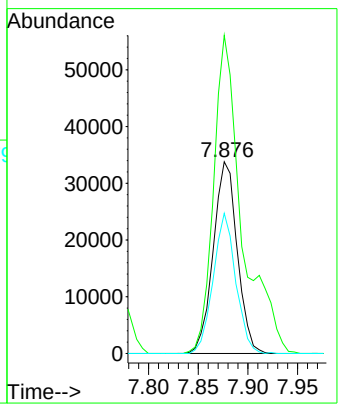


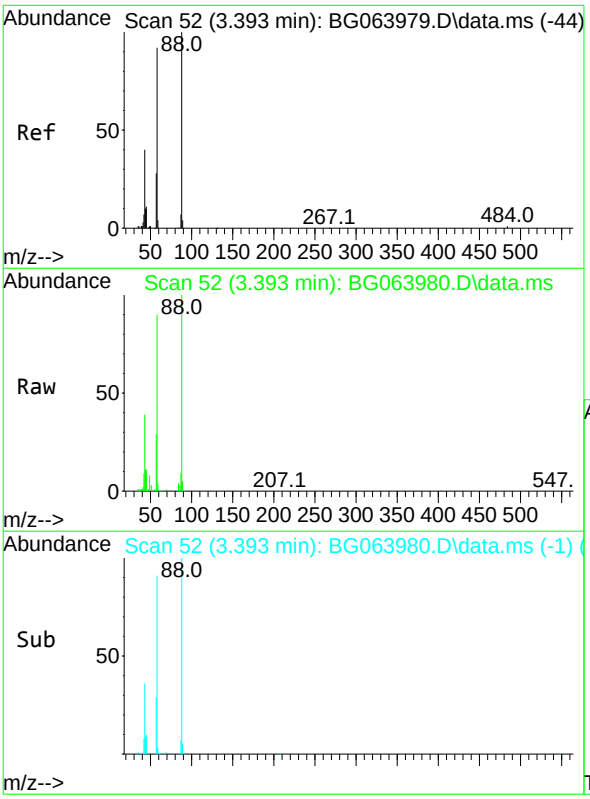
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.876 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 56749

Ion	Ratio	Lower	Upper
152	100		
150	165.9	121.0	181.6
115	73.1	50.4	75.6

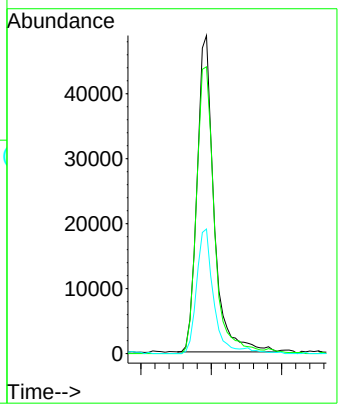


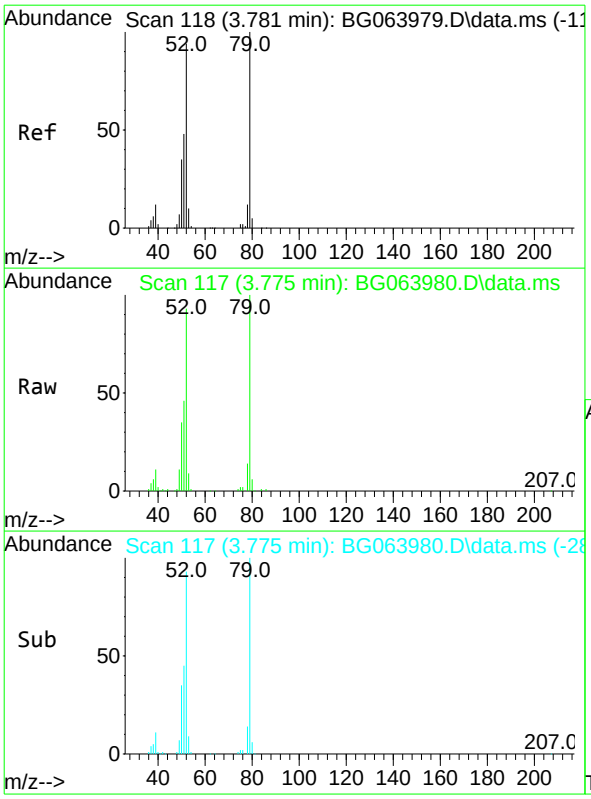


#2
1,4-Dioxane
Concen: 48.452 ng
RT: 3.393 min Scan# 52
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 88 Resp: 81445

Ion	Ratio	Lower	Upper
88	100		
58	95.5	71.8	107.8
43	38.4	31.2	46.8



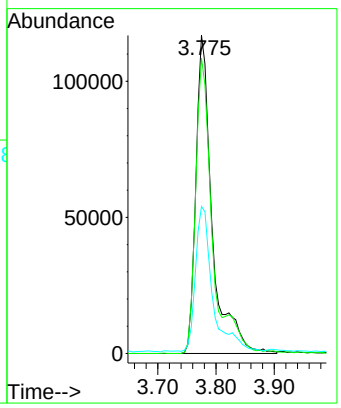


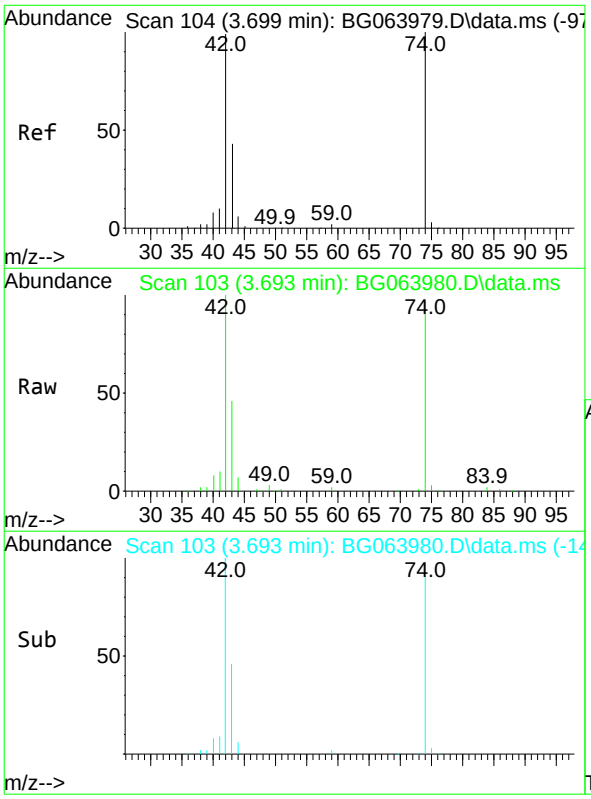
#3
Pyridine
Concen: 50.530 ng
RT: 3.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 229456

Ion	Ratio	Lower	Upper
79	100		
52	92.8	75.1	112.7
51	46.2	38.9	58.3

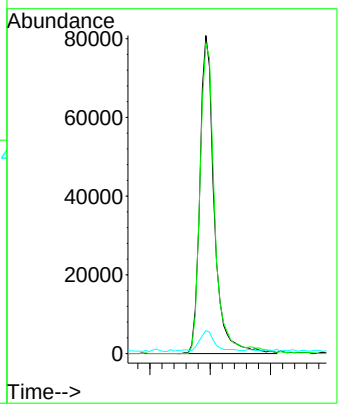


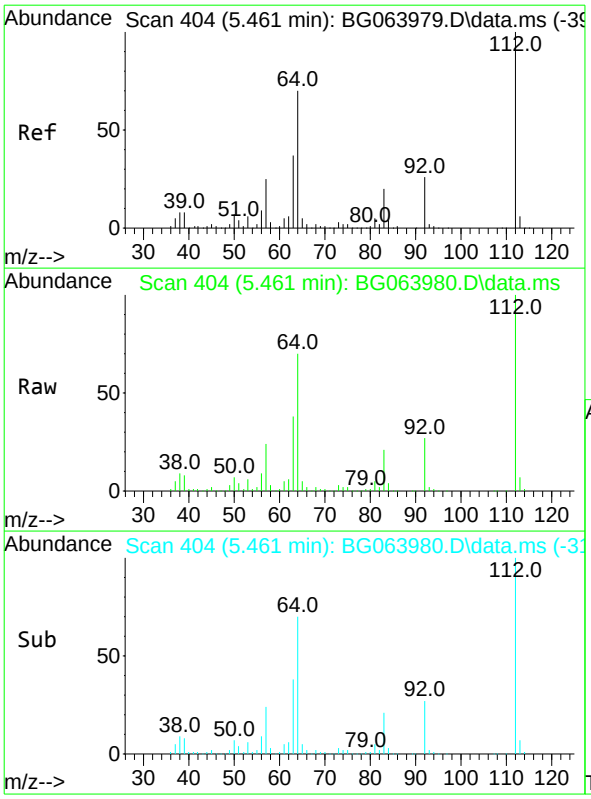


#4
n-Nitrosodimethylamine
Concen: 51.124 ng
RT: 3.693 min Scan# 103
Delta R.T. -0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 42 Resp: 133432

Ion	Ratio	Lower	Upper
42	100		
74	97.4	80.8	121.2
44	7.2	5.8	8.6



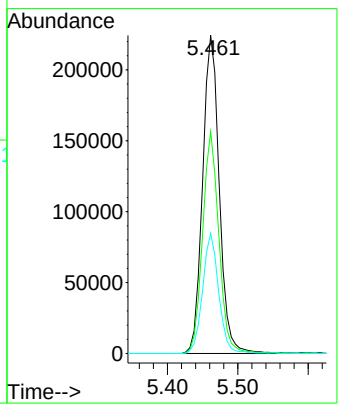


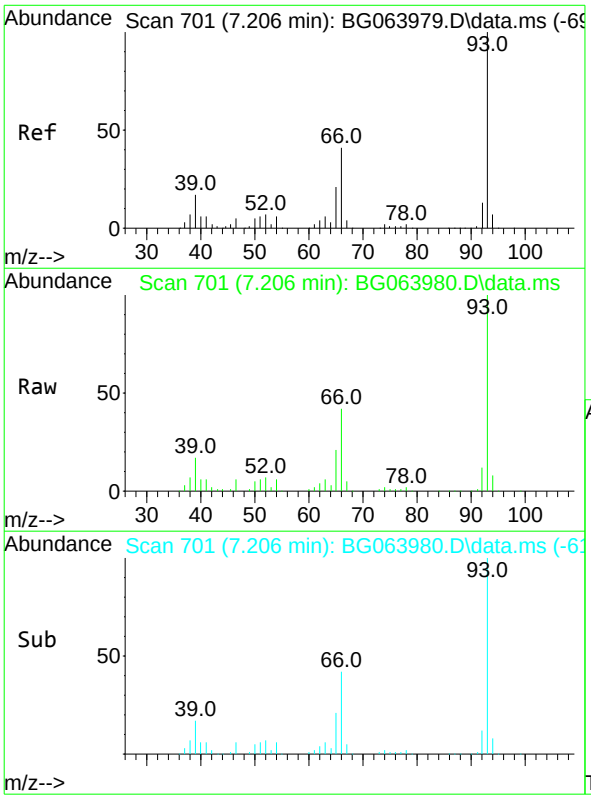
#5
2-Fluorophenol
Concen: 104.365 ng
RT: 5.461 min Scan# 40
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 369397

Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.8	83.8
63	37.8	29.3	43.9

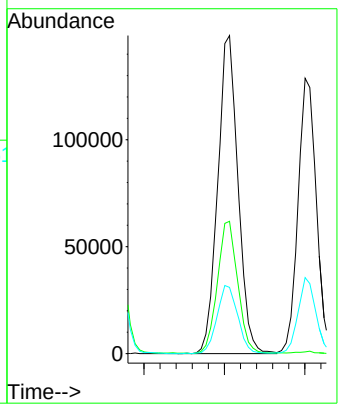


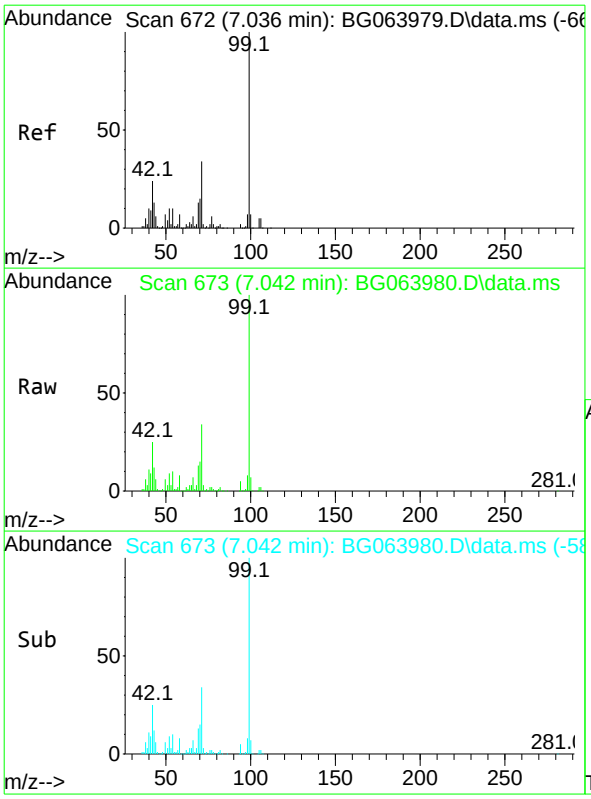


#6
Aniline
Concen: 50.143 ng
RT: 7.206 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 93 Resp: 261007

Ion	Ratio	Lower	Upper
93	100		
66	41.6	32.5	48.7
65	20.8	16.6	25.0



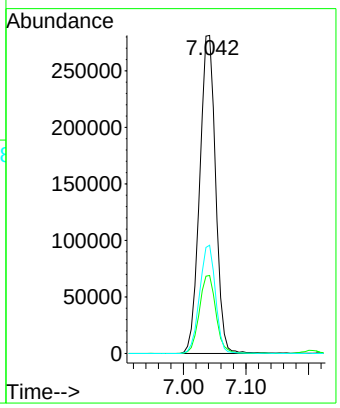


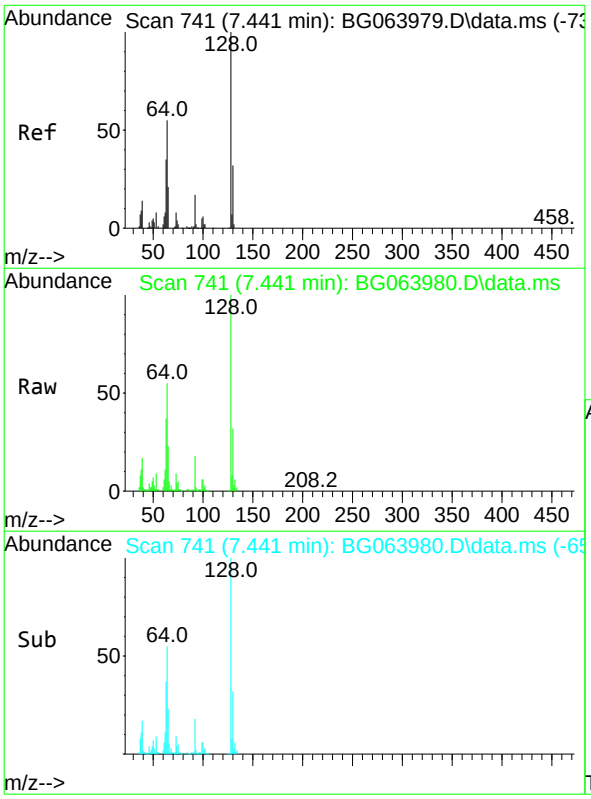
#7
Phenol-d6
Concen: 102.301 ng
RT: 7.042 min Scan# 67
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 496905

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.9	28.3
71	34.0	27.0	40.6

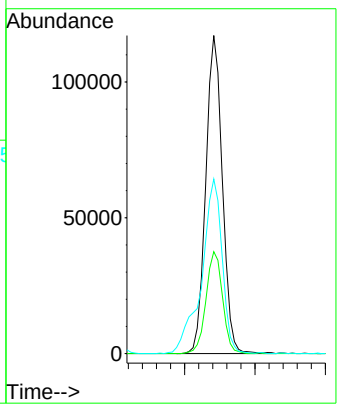


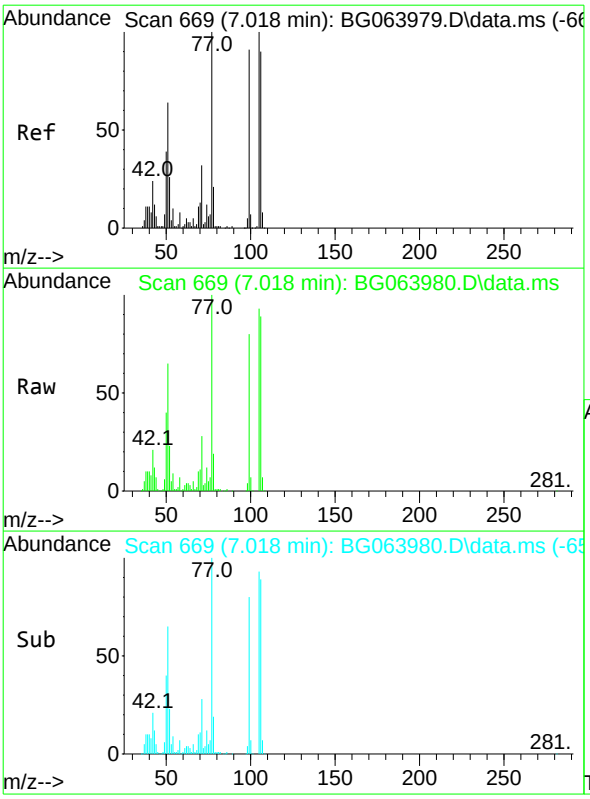


#8
2-Chlorophenol
Concen: 53.179 ng
RT: 7.441 min Scan# 741
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:128 Resp: 191799

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.9	51.9
64	54.9	36.8	76.8



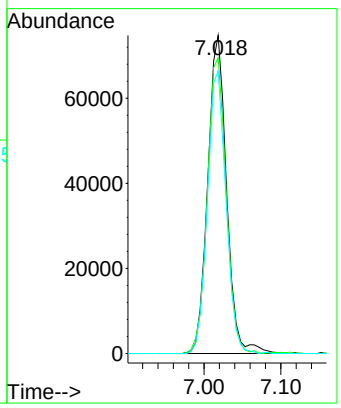


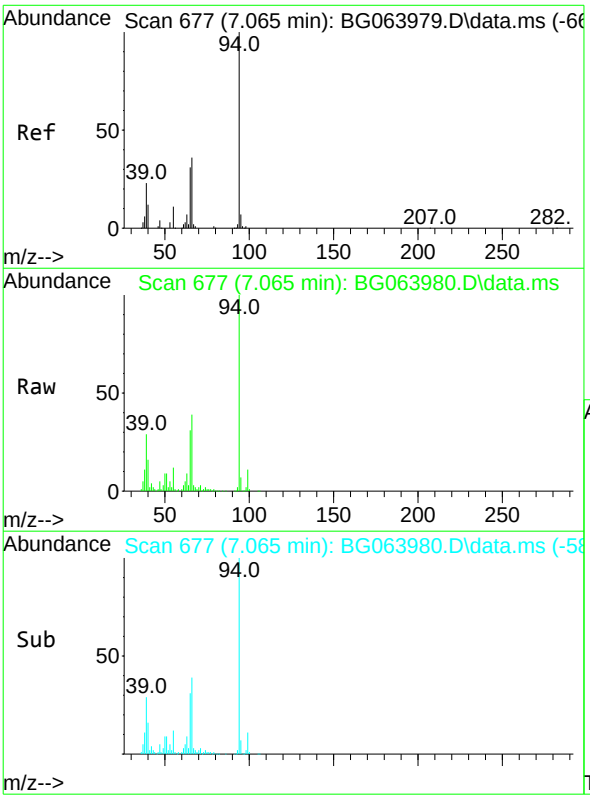
#9
Benzaldehyde
Concen: 47.971 ng
RT: 7.018 min Scan# 66
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 127202

Ion	Ratio	Lower	Upper
77	100		
105	92.9	79.8	119.8
106	88.8	69.9	109.9

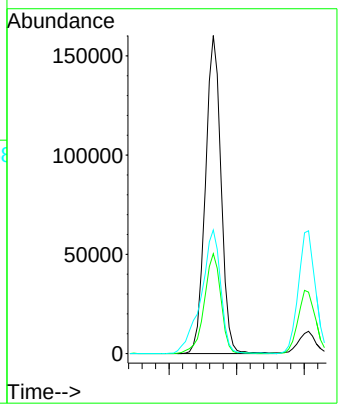


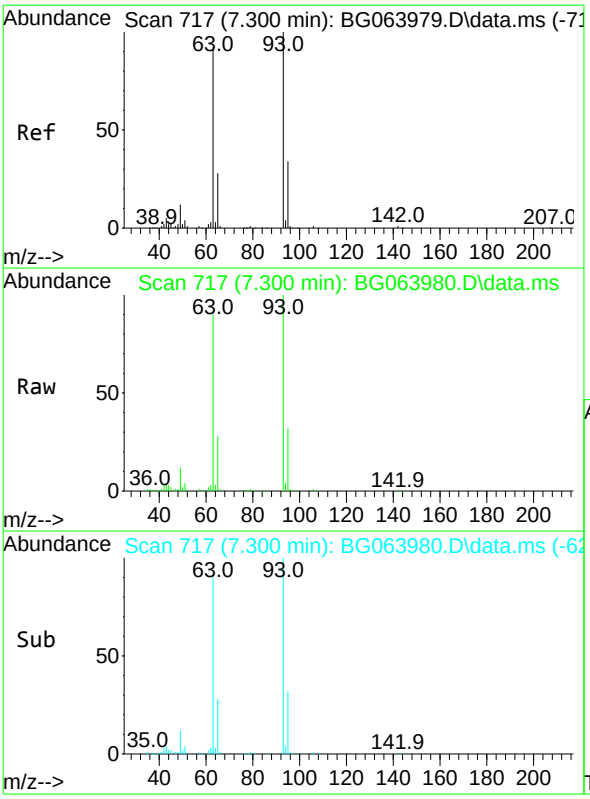


#10
Phenol
Concen: 50.378 ng
RT: 7.065 min Scan# 677
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 94 Resp: 257583

Ion	Ratio	Lower	Upper
94	100		
65	31.4	11.4	51.4
66	38.9	16.7	56.7



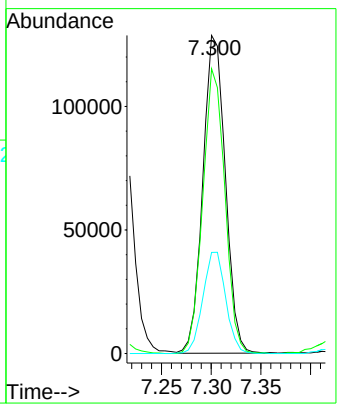


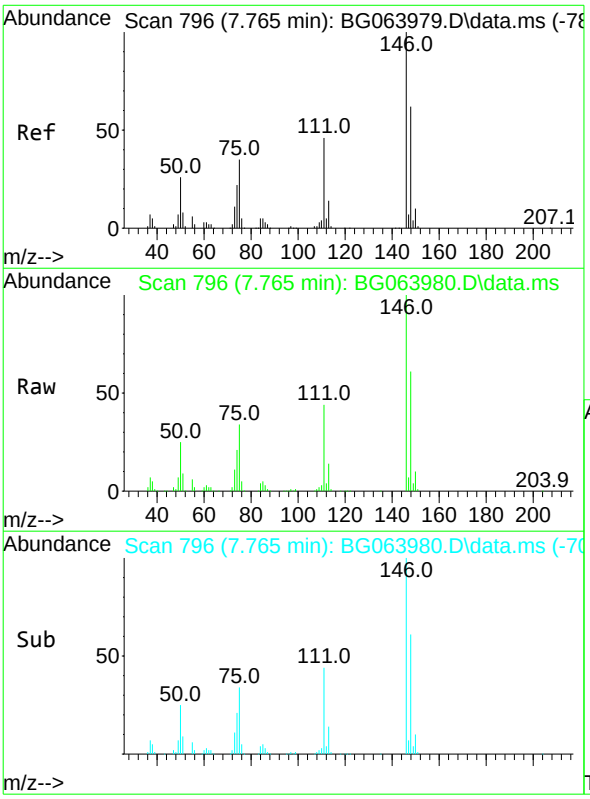
#11
bis(2-Chloroethyl)ether
Concen: 49.269 ng
RT: 7.300 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 202852

Ion	Ratio	Lower	Upper
93	100		
63	89.5	71.2	111.2
95	31.8	13.9	53.9

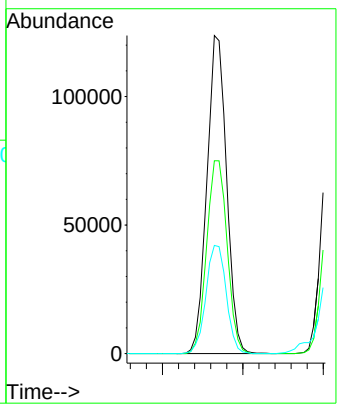


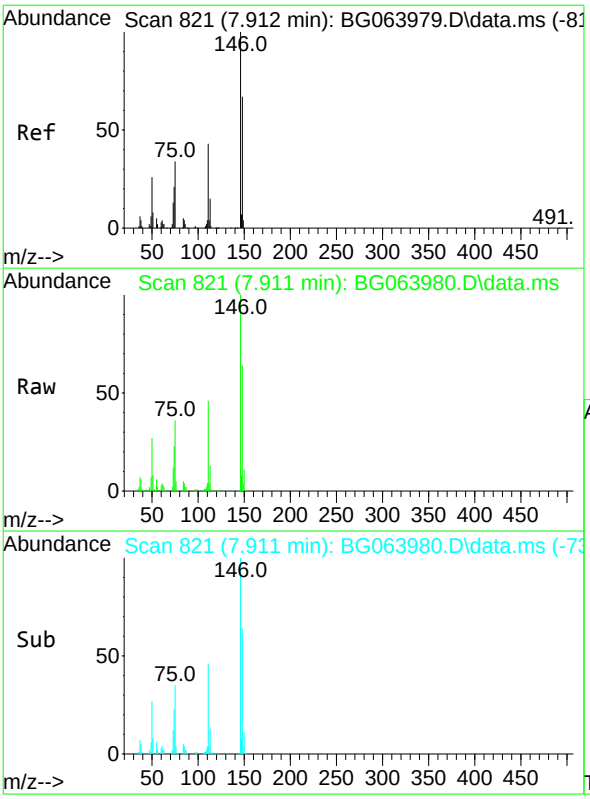


#12
1,3-Dichlorobenzene
Concen: 49.044 ng
RT: 7.765 min Scan# 796
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:146 Resp: 210484

Ion	Ratio	Lower	Upper
146	100		
148	60.6	49.6	74.4
75	34.0	27.8	41.8



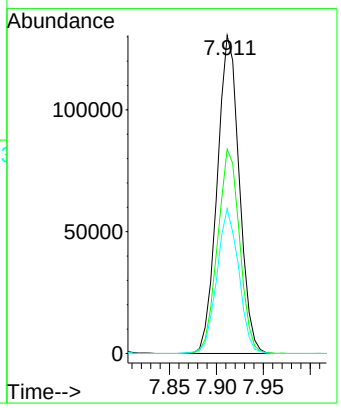


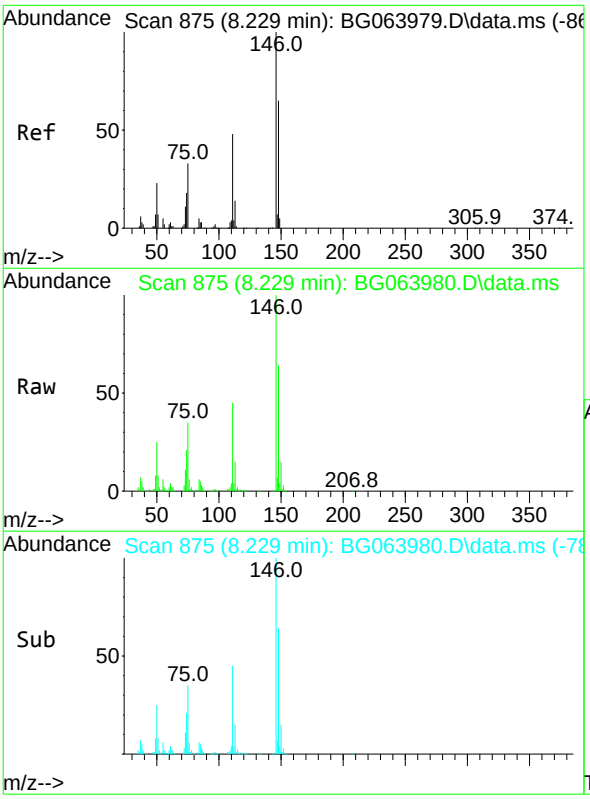
#13
1,4-Dichlorobenzene
Concen: 49.244 ng
RT: 7.911 min Scan# 82
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 213441

Ion	Ratio	Lower	Upper
146	100		
148	64.3	53.3	79.9
111	45.6	34.8	52.2

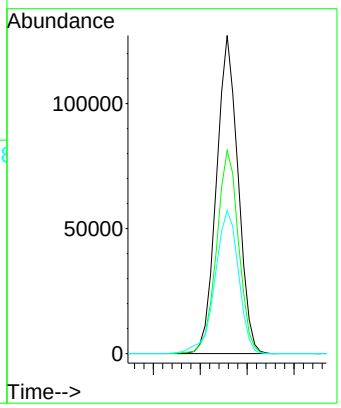


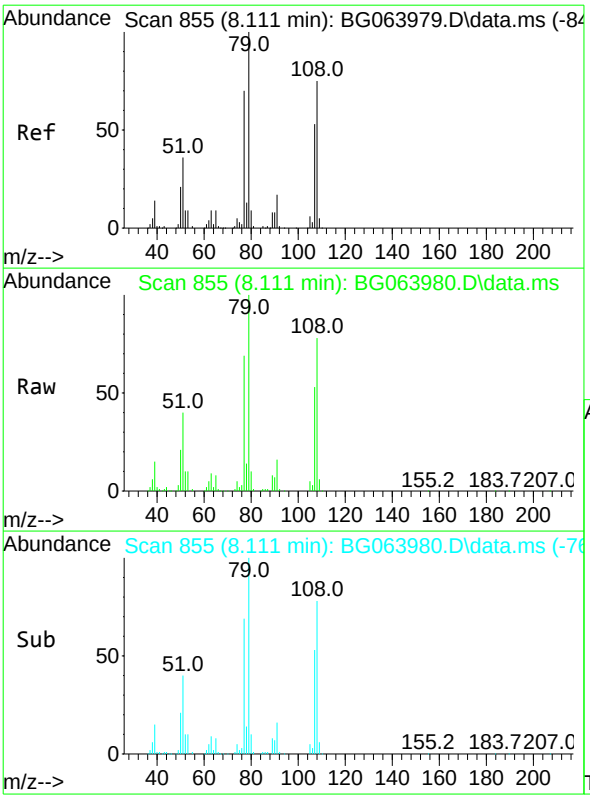


#14
1,2-Dichlorobenzene
Concen: 48.950 ng
RT: 8.229 min Scan# 875
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:146 Resp: 203351

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.0	78.0
111	45.0	38.2	57.2



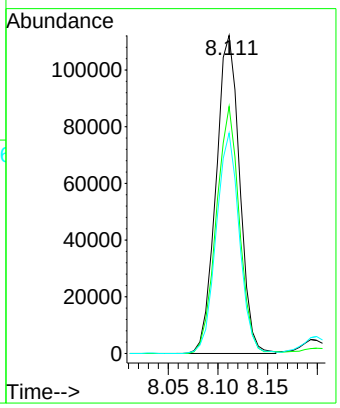


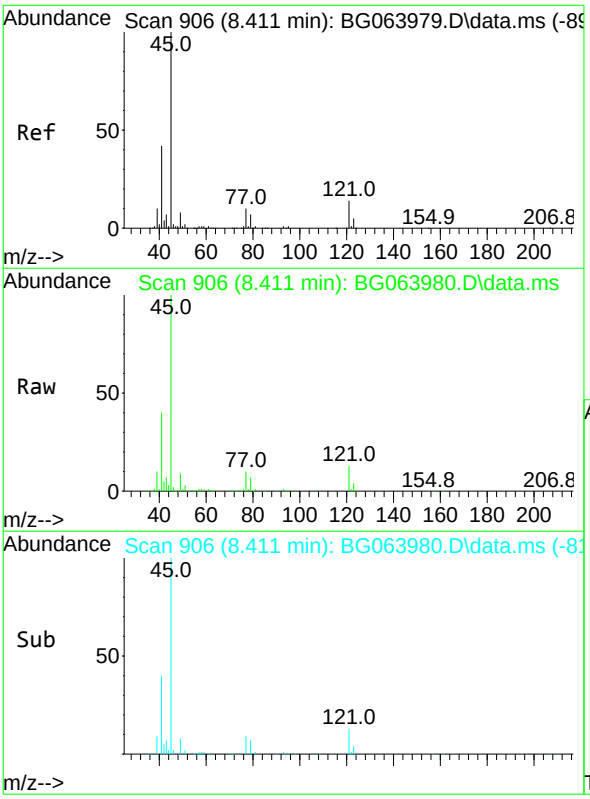
#15
Benzyl Alcohol
Concen: 51.047 ng
RT: 8.111 min Scan# 85
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 185332

Ion	Ratio	Lower	Upper
79	100		
108	77.7	60.3	90.5
77	69.3	55.8	83.8

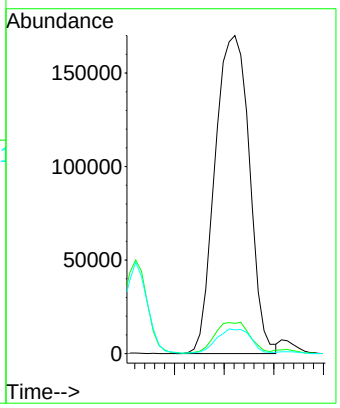


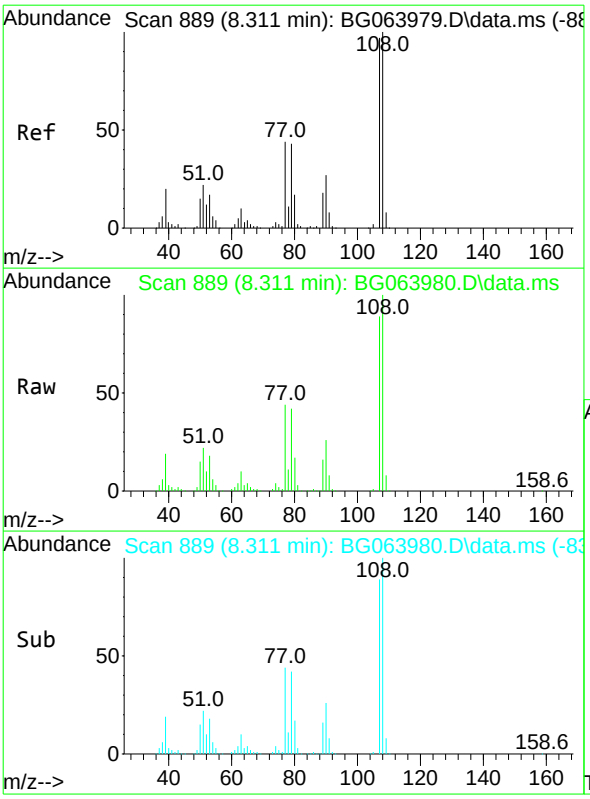


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.342 ng
RT: 8.411 min Scan# 906
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 45 Resp: 409080

Ion	Ratio	Lower	Upper
45	100		
77	9.5	0.0	29.8
79	7.5	0.0	27.7



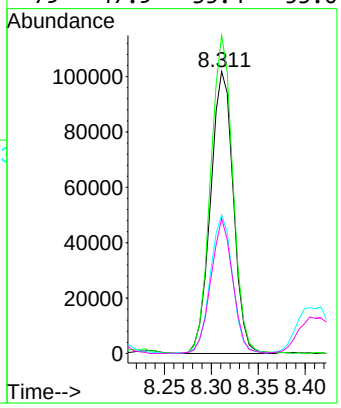


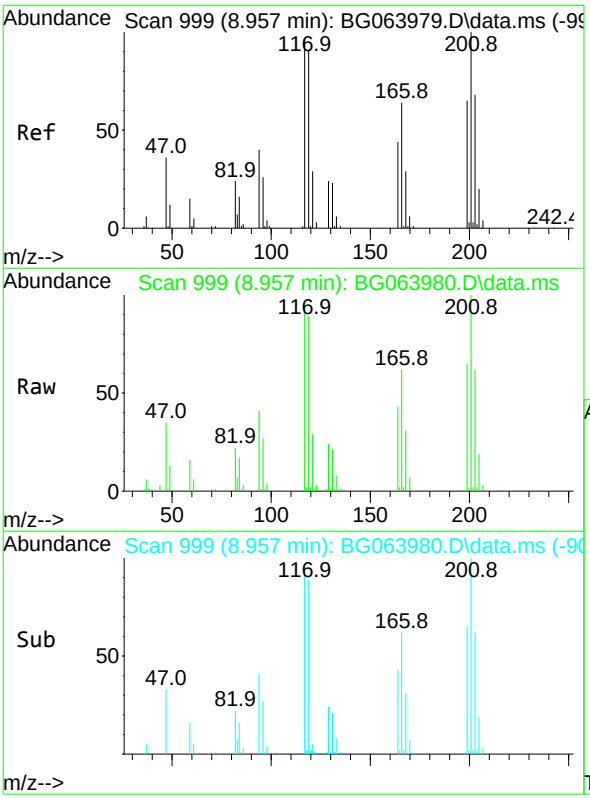
#17
2-Methylphenol
Concen: 51.930 ng
RT: 8.311 min Scan# 88
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 171725

Ion	Ratio	Lower	Upper
107	100		
108	112.8	82.9	124.3
77	49.1	36.4	54.6
79	47.9	35.4	53.0

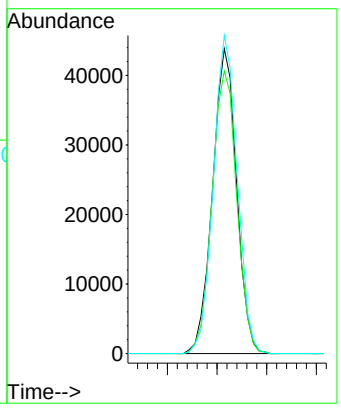


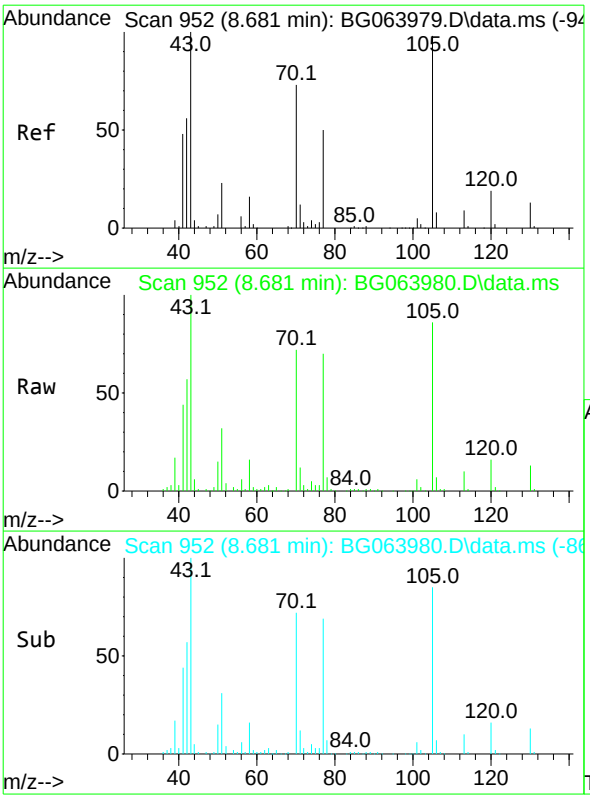


#18
Hexachloroethane
Concen: 51.731 ng
RT: 8.957 min Scan# 999
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:117 Resp: 73792

Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.4	113.0
201	104.3	82.4	123.6



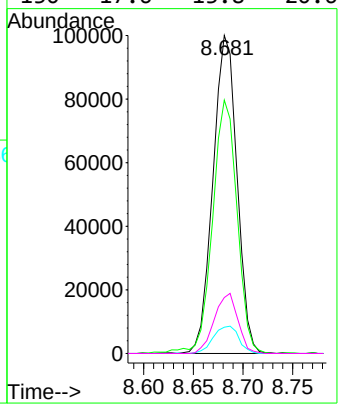


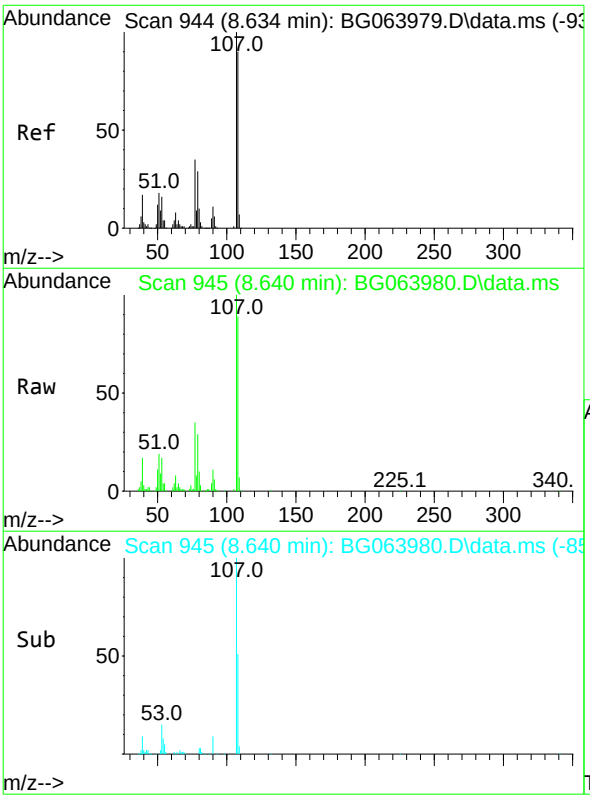
#19
n-Nitroso-di-n-propylamine
Concen: 50.113 ng
RT: 8.681 min Scan# 95
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 168564

Ion	Ratio	Lower	Upper
70	100		
42	79.7	62.2	93.4
101	8.3	5.6	8.4
130	17.6	13.8	20.6

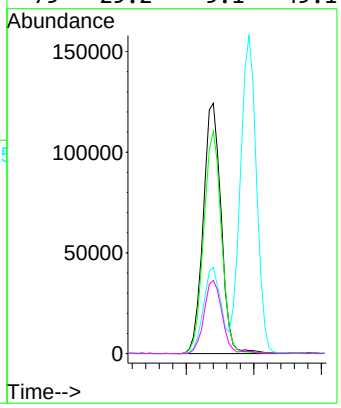


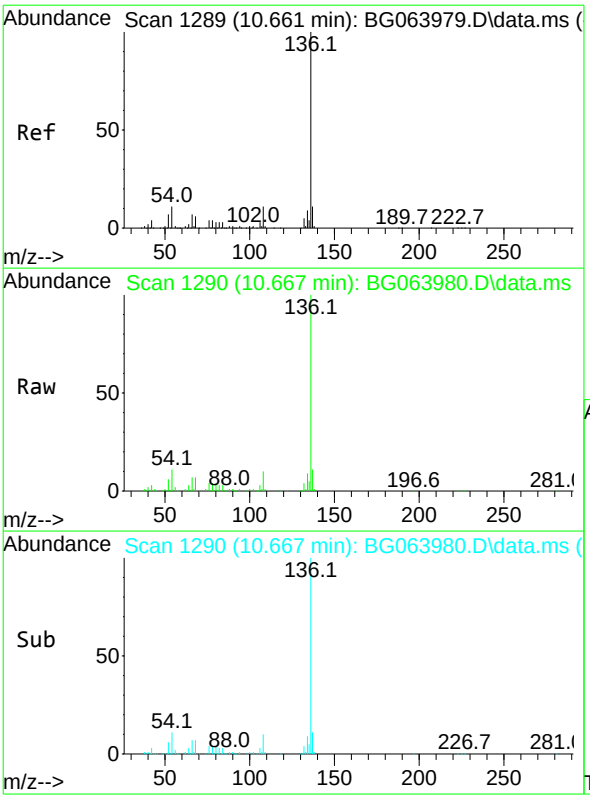


#20
3+4-Methylphenols
Concen: 52.130 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:107 Resp: 229663

Ion	Ratio	Lower	Upper
107	100		
108	88.8	70.0	110.0
77	34.5	15.2	55.2
79	29.2	9.1	49.1



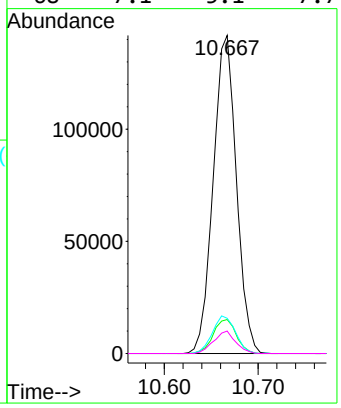


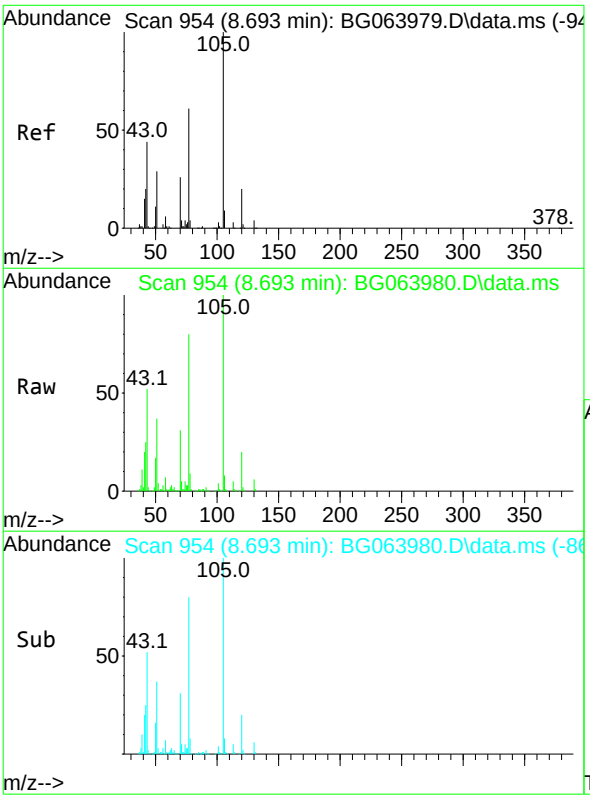
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.667 min Scan# 12
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 243319

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	11.1	9.2	13.8
68	7.1	5.1	7.7

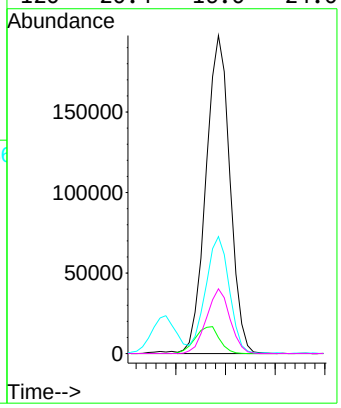


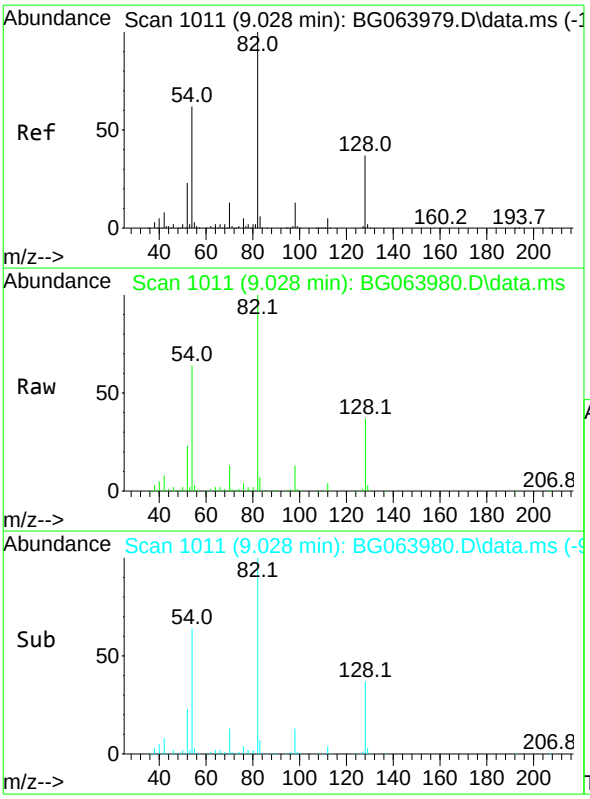


#22
Acetophenone
Concen: 49.578 ng
RT: 8.693 min Scan# 954
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:105 Resp: 331445

Ion	Ratio	Lower	Upper
105	100		
71	5.0	3.1	4.7#
51	36.8	29.9	44.9
120	20.4	16.0	24.0



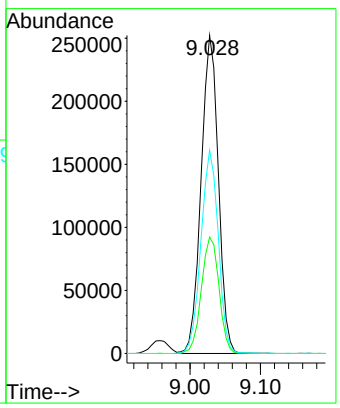


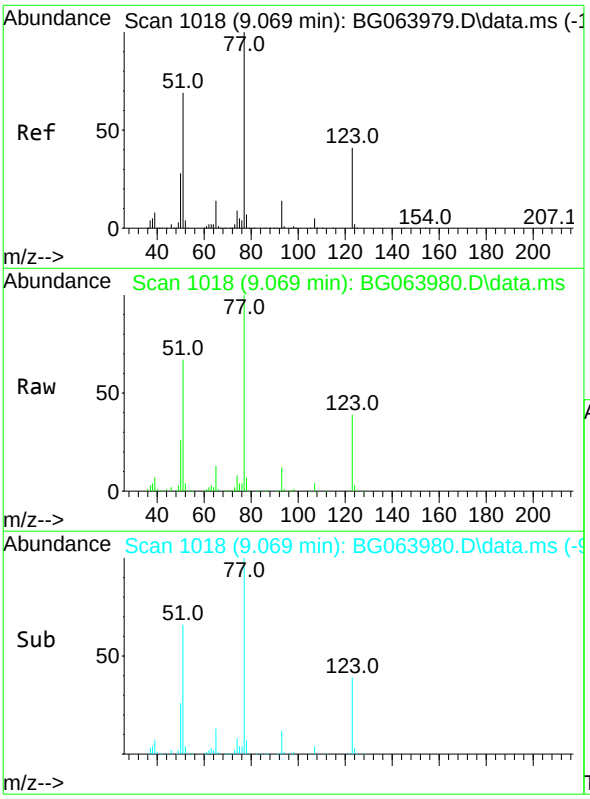
#23
Nitrobenzene-d5
Concen: 107.261 ng
RT: 9.028 min Scan# 10
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 429429

Ion	Ratio	Lower	Upper
82	100		
128	36.6	29.4	44.2
54	63.9	49.9	74.9

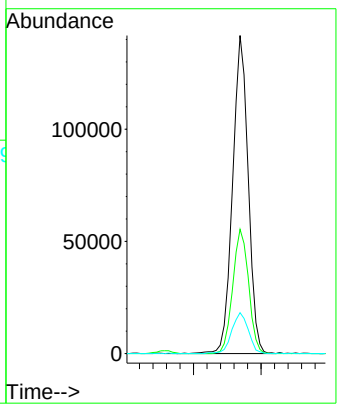


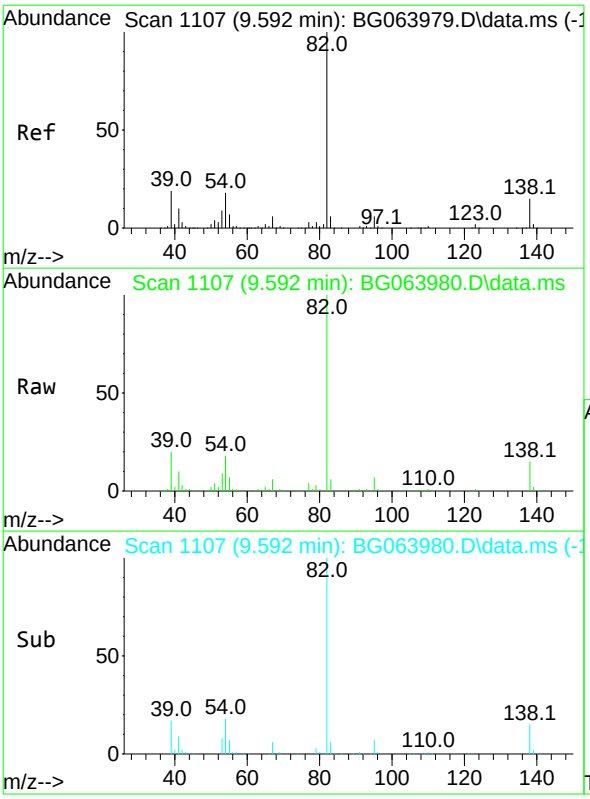


#24
Nitrobenzene
Concen: 49.049 ng
RT: 9.069 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 77 Resp: 227414

Ion	Ratio	Lower	Upper
77	100		
123	39.1	32.9	49.3
65	12.9	11.0	16.6



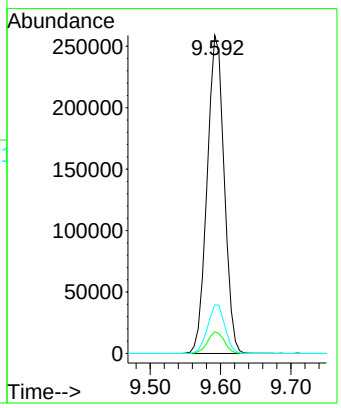


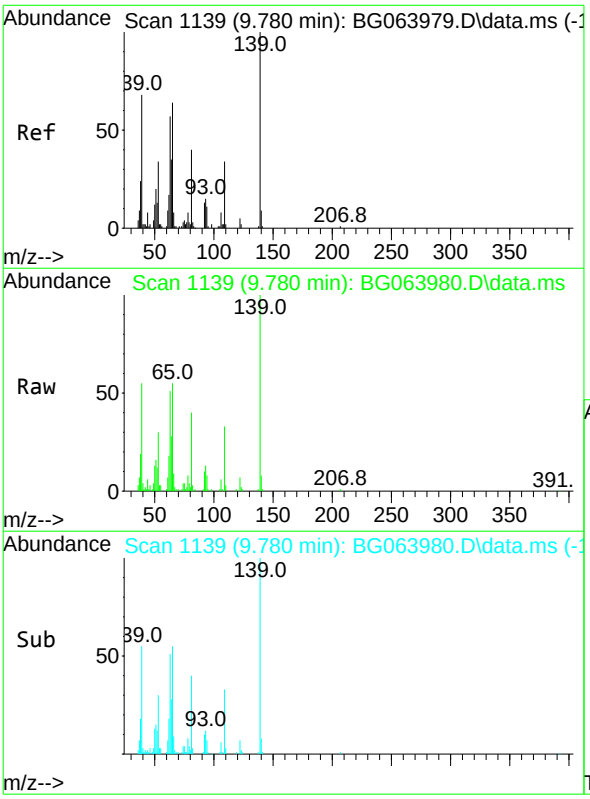
#25
Isophorone
Concen: 50.157 ng
RT: 9.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 435312

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.0	7.4
138	15.3	12.2	18.4

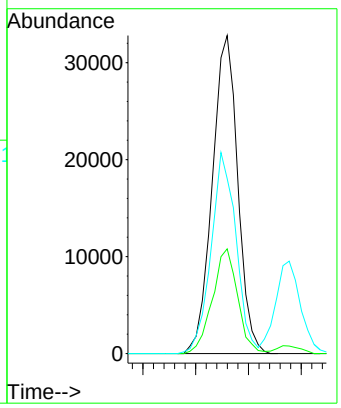


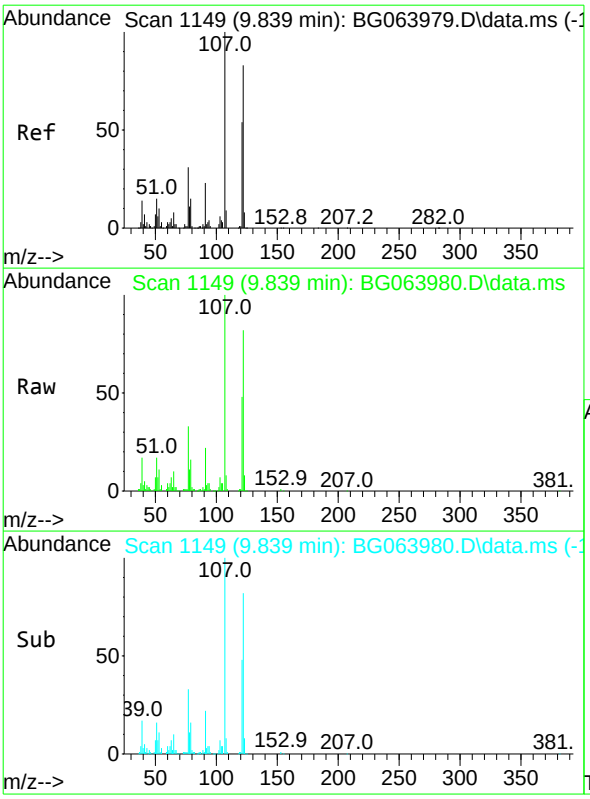


#26
2-Nitrophenol
Concen: 49.855 ng
RT: 9.780 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:139 Resp: 54960

Ion	Ratio	Lower	Upper
139	100		
109	32.9	27.1	40.7
65	55.0	51.0	76.6



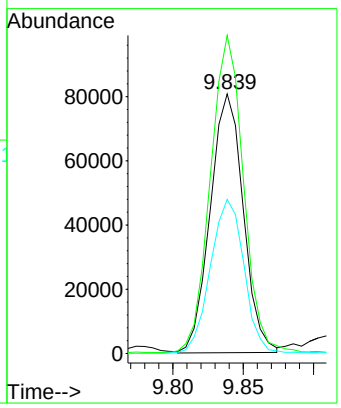


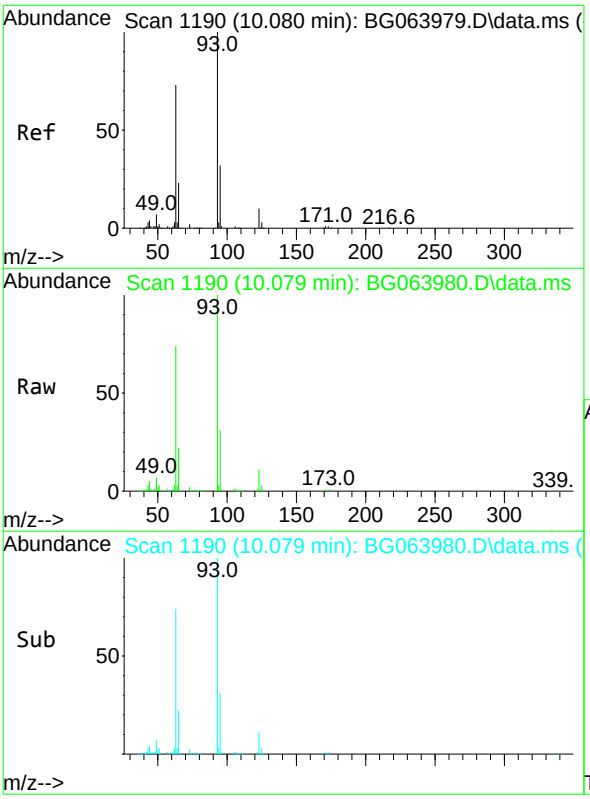
#27
2,4-Dimethylphenol
Concen: 52.775 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 131756

Ion	Ratio	Lower	Upper
122	100		
107	122.6	96.4	144.6
121	59.4	51.8	77.6

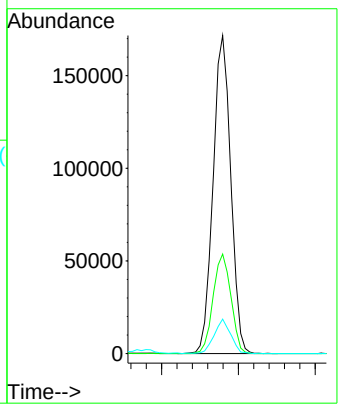


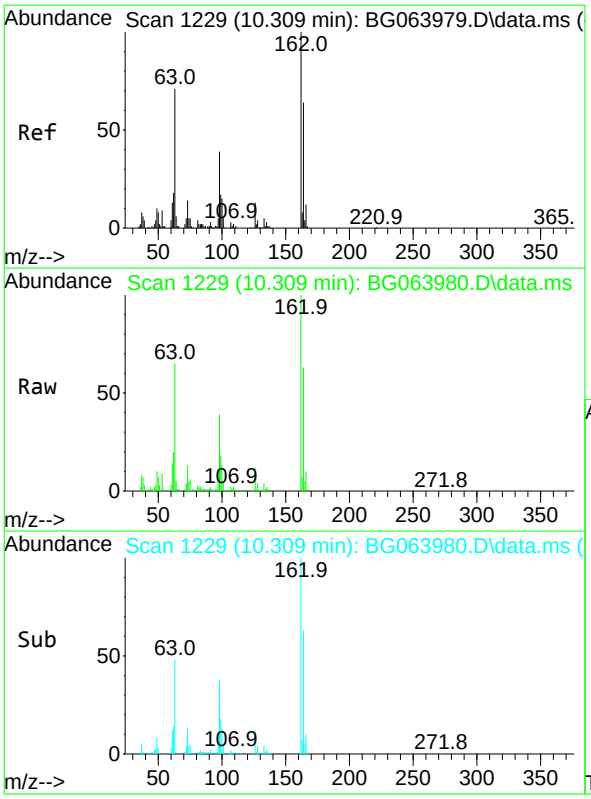


#28
bis(2-Chloroethoxy)methane
Concen: 49.697 ng
RT: 10.079 min Scan# 1190
Delta R.T. -0.001 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 93 Resp: 274452

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.4	38.2
123	10.8	7.8	11.6



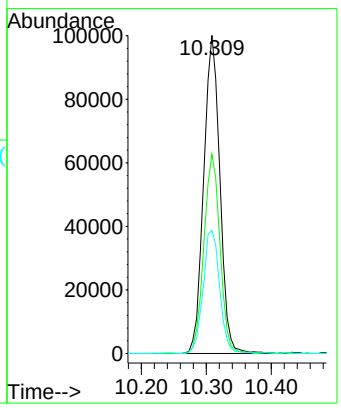


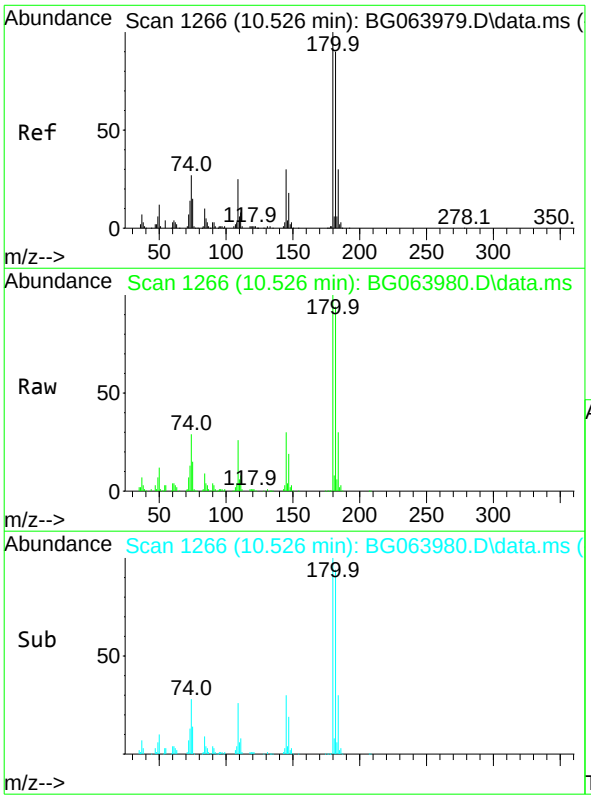
#29
2,4-Dichlorophenol
Concen: 49.534 ng
RT: 10.309 min Scan# 12
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 173494

Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.6	83.6
98	38.7	18.6	58.6

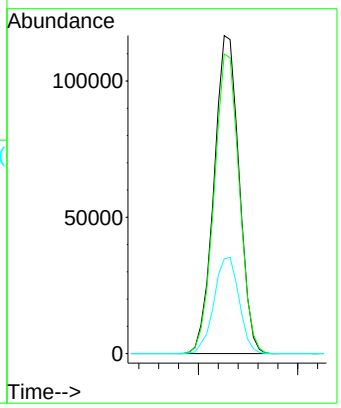


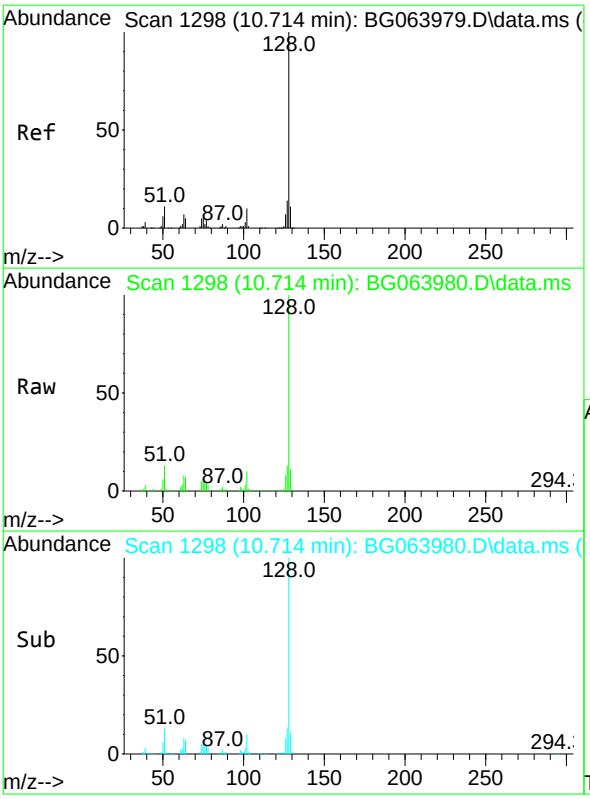


#30
1,2,4-Trichlorobenzene
Concen: 49.807 ng
RT: 10.526 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:180 Resp: 204286

Ion	Ratio	Lower	Upper
180	100		
182	94.2	72.3	108.5
145	29.8	23.8	35.8



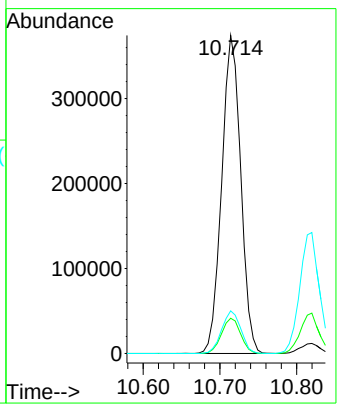


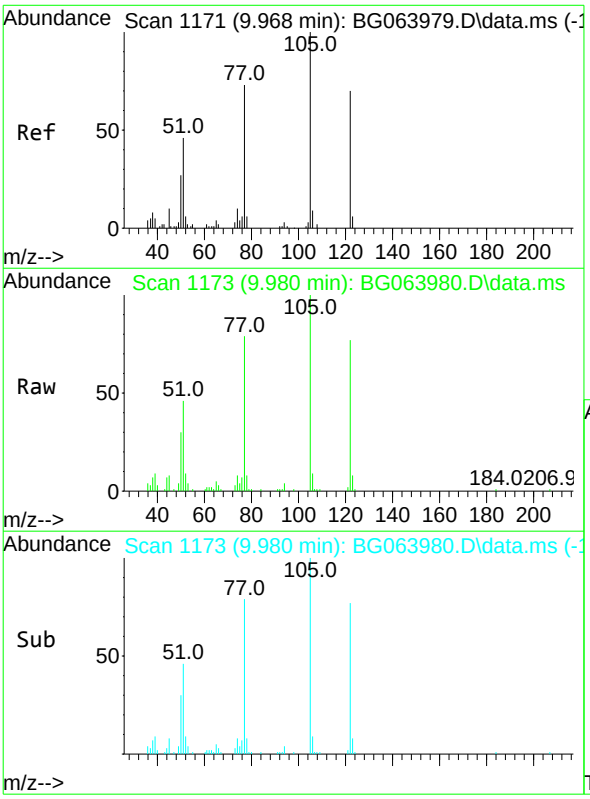
#31
Naphthalene
Concen: 49.388 ng
RT: 10.714 min Scan# 12
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 644279

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.8	16.2

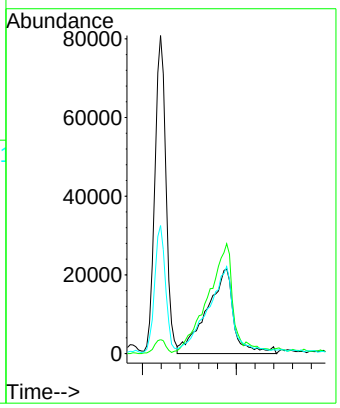


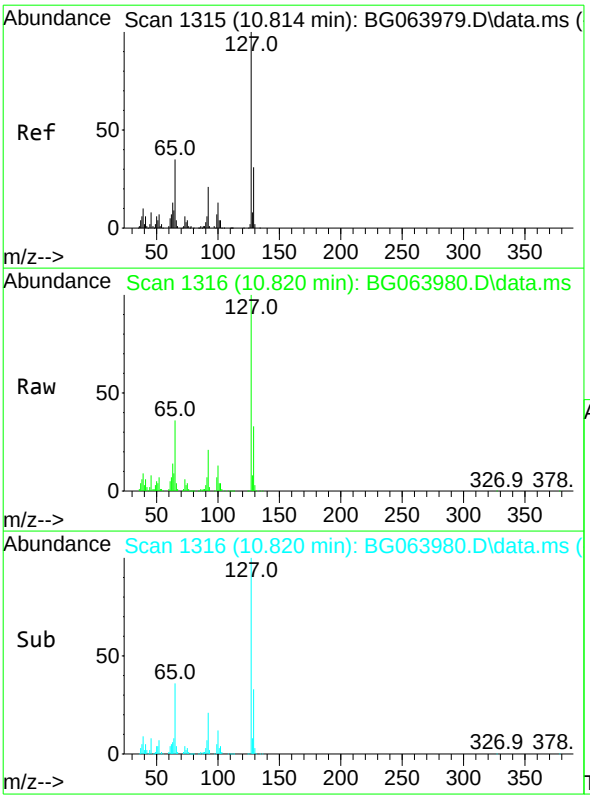


#32
Benzoic acid
Concen: 50.091 ng m
RT: 9.980 min Scan# 1173
Delta R.T. 0.012 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:122 Resp: 86233

Ion	Ratio	Lower	Upper
122	100		
105	129.6	117.9	157.9
77	102.6	83.9	123.9



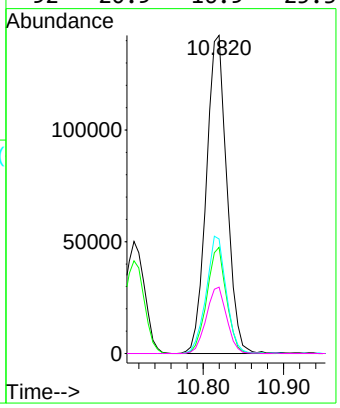


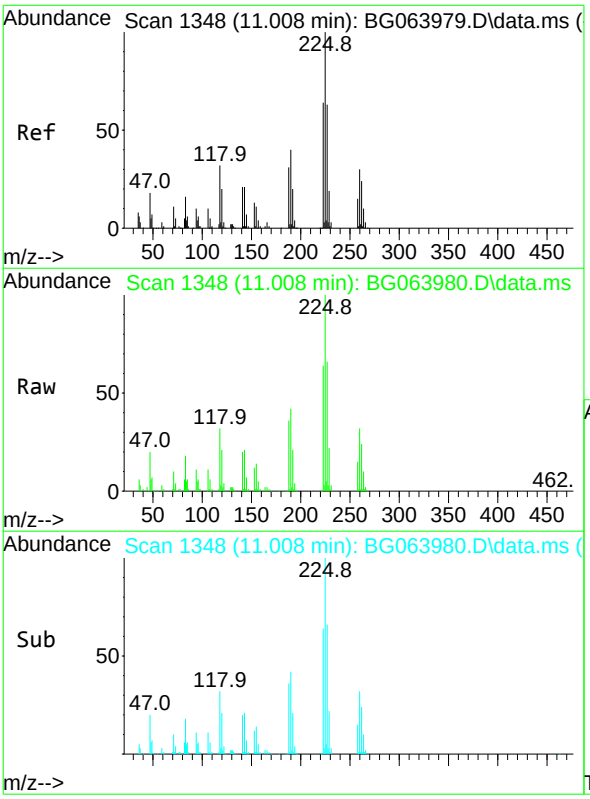
#33
4-Chloroaniline
Concen: 50.506 ng
RT: 10.820 min Scan# 13
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 252437

Ion	Ratio	Lower	Upper
127	100		
129	33.4	24.9	37.3
65	36.0	28.2	42.4
92	20.9	16.9	25.3

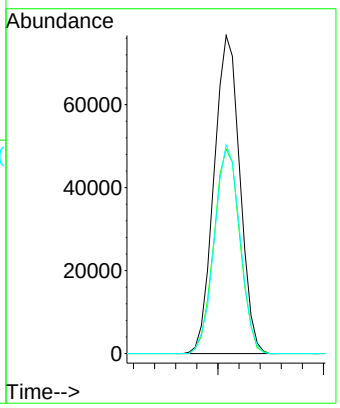


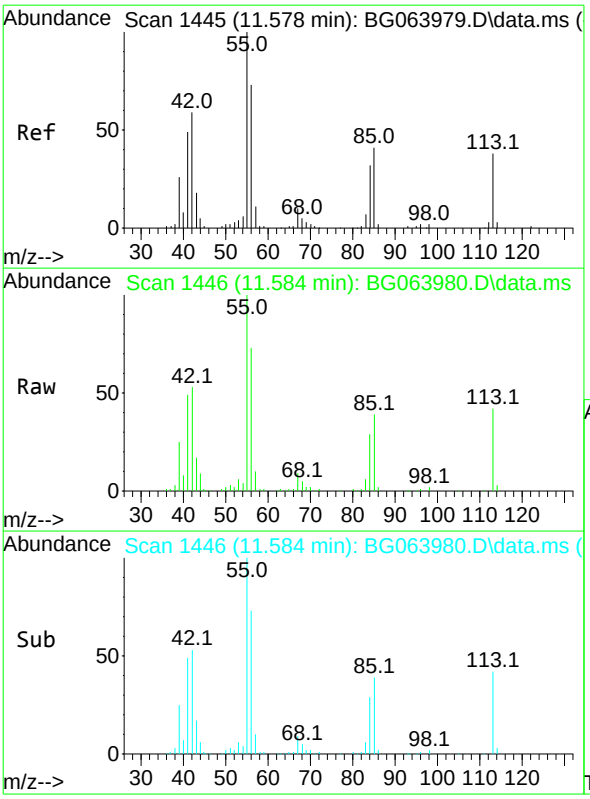


#34
Hexachlorobutadiene
Concen: 49.900 ng
RT: 11.008 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:225 Resp: 130336

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.0	76.6
227	65.6	50.3	75.5



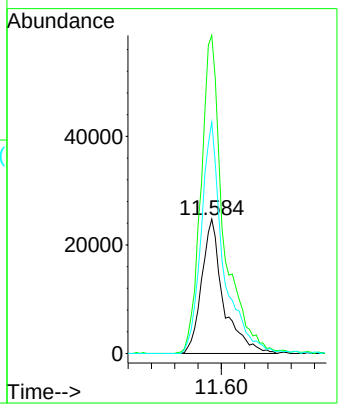


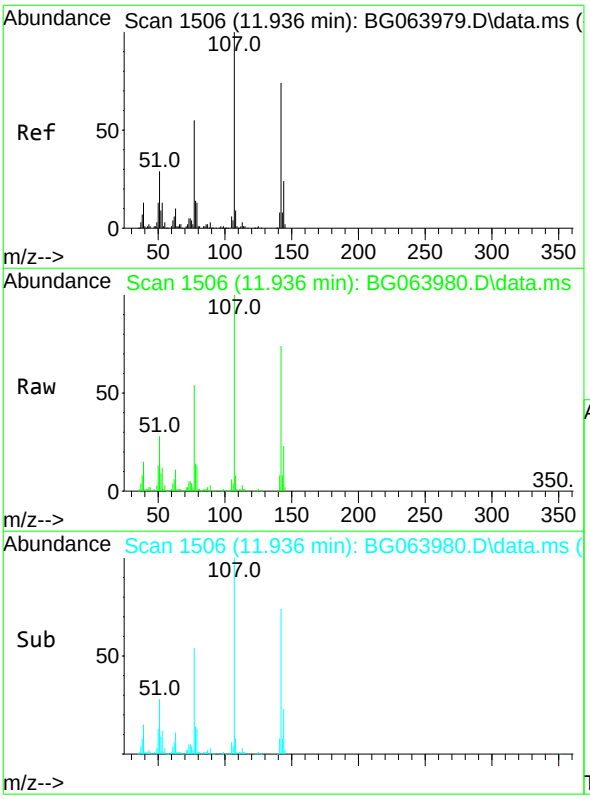
#35
Caprolactam
Concen: 50.060 ng
RT: 11.584 min Scan# 14
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 64246

Ion	Ratio	Lower	Upper
113	100		
55	236.7	241.8	281.8#
56	172.2	171.5	211.5

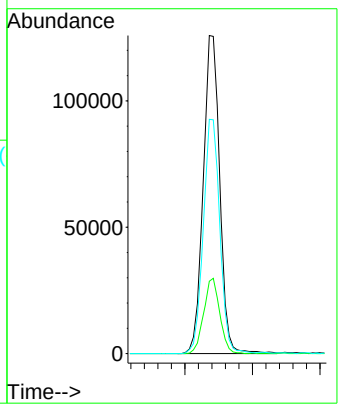


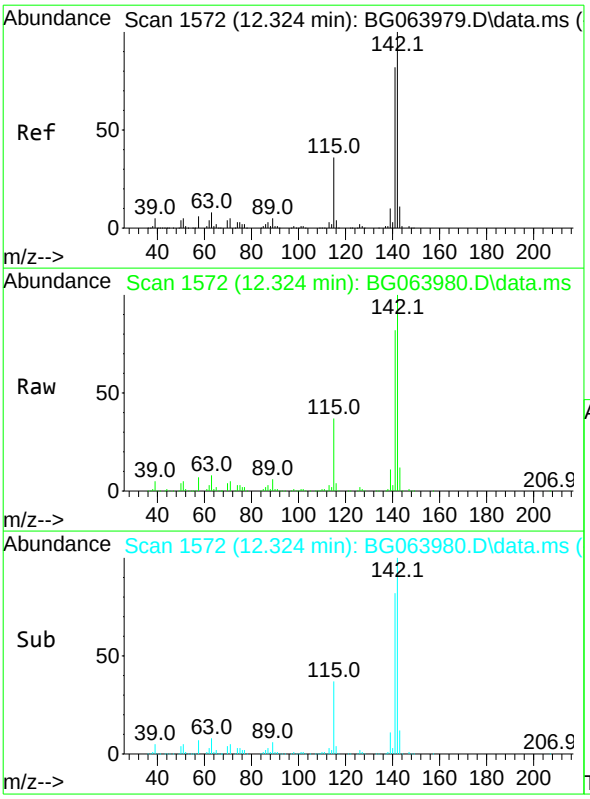


#36
4-Chloro-3-methylphenol
Concen: 53.615 ng
RT: 11.936 min Scan# 1506
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:107 Resp: 214251

Ion	Ratio	Lower	Upper
107	100		
144	22.7	19.2	28.8
142	73.6	58.9	88.3



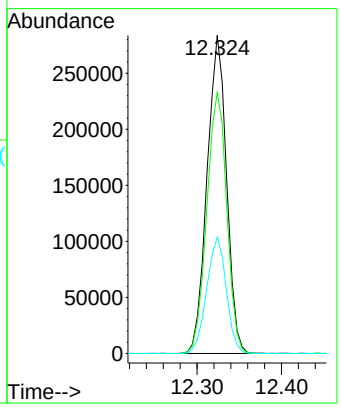


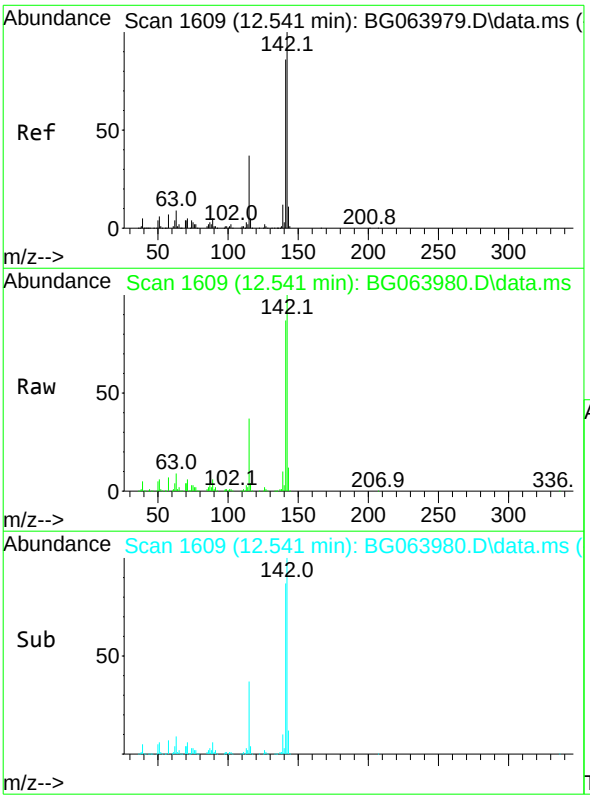
#37
2-Methylnaphthalene
Concen: 49.960 ng
RT: 12.324 min Scan# 15
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 454167

Ion	Ratio	Lower	Upper
142	100		
141	82.1	65.8	98.8
115	36.5	28.9	43.3

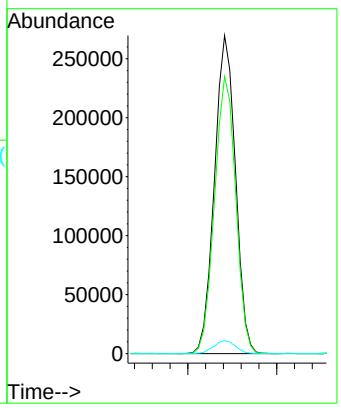


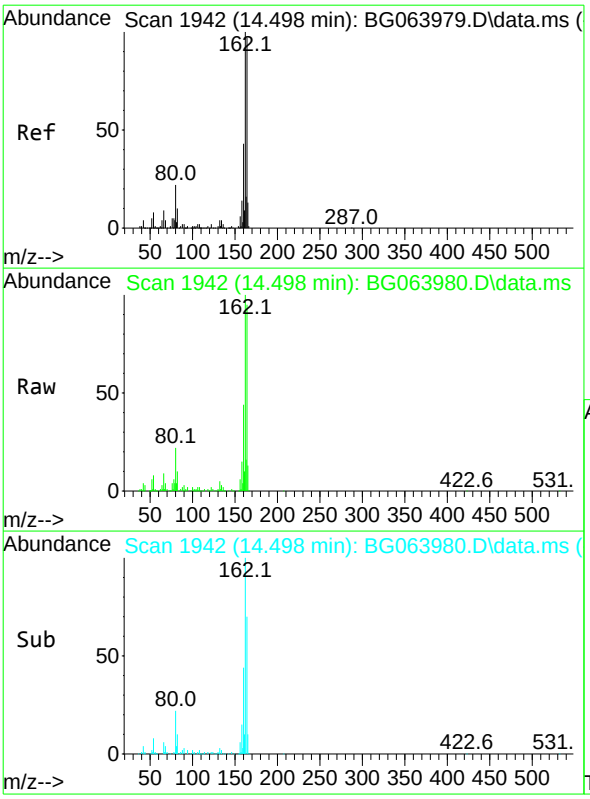


#38
1-Methylnaphthalene
Concen: 49.200 ng
RT: 12.541 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:142 Resp: 442552

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.2	103.8
116	4.1	3.6	5.4



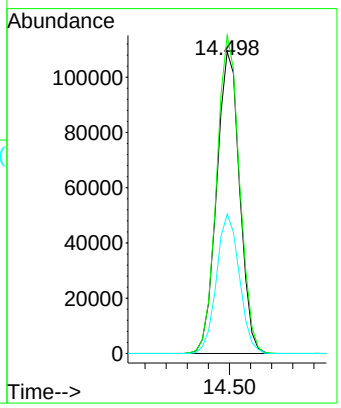


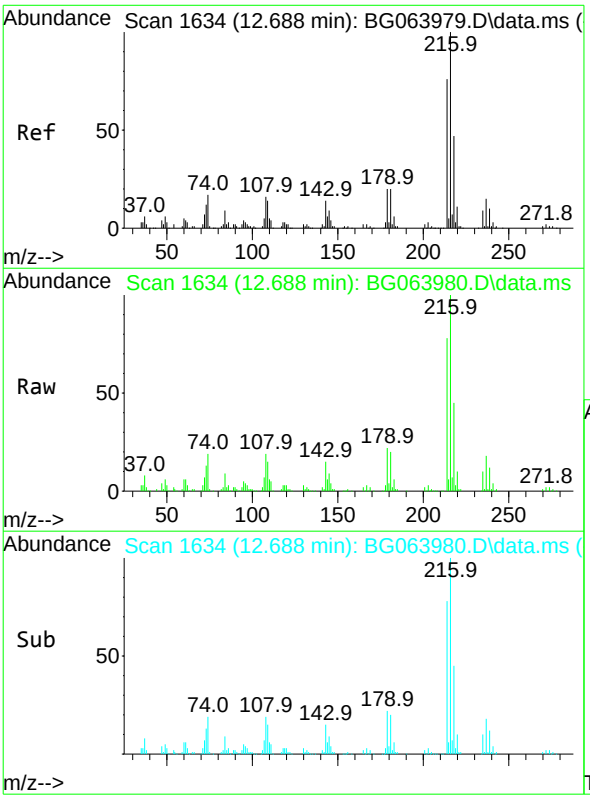
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 164887

Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.3	123.5
160	46.1	35.4	53.0

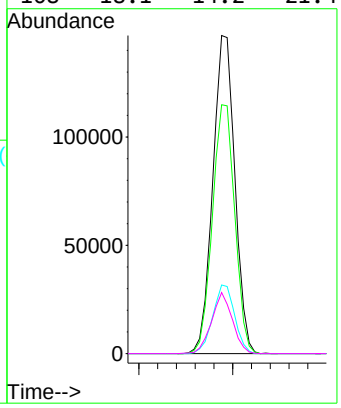


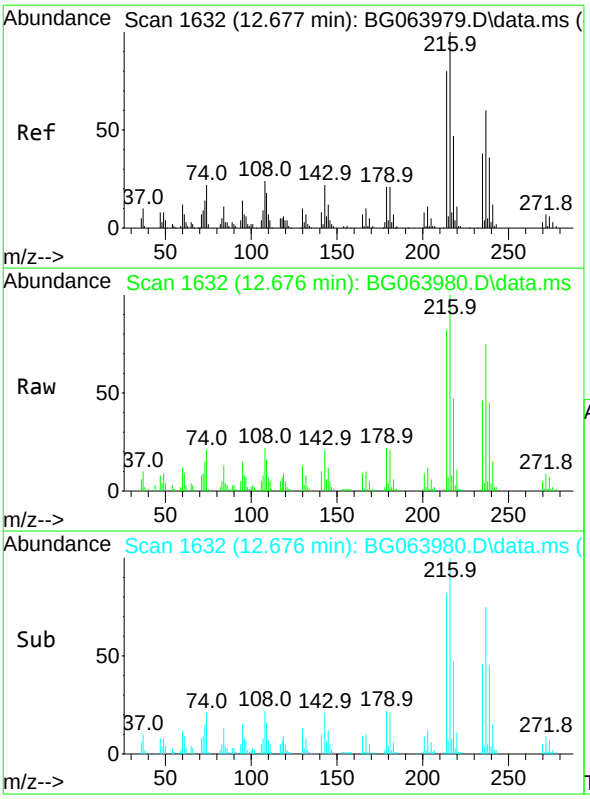


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.220 ng
RT: 12.688 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:216 Resp: 239330

Ion	Ratio	Lower	Upper
216	100		
214	79.4	62.9	94.3
179	21.5	16.6	25.0
108	18.1	14.2	21.4



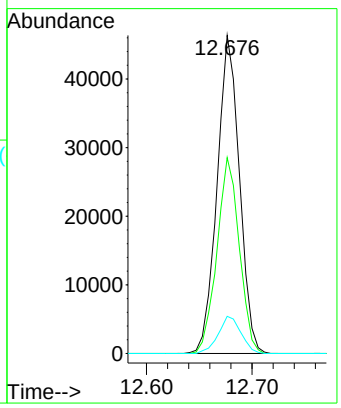


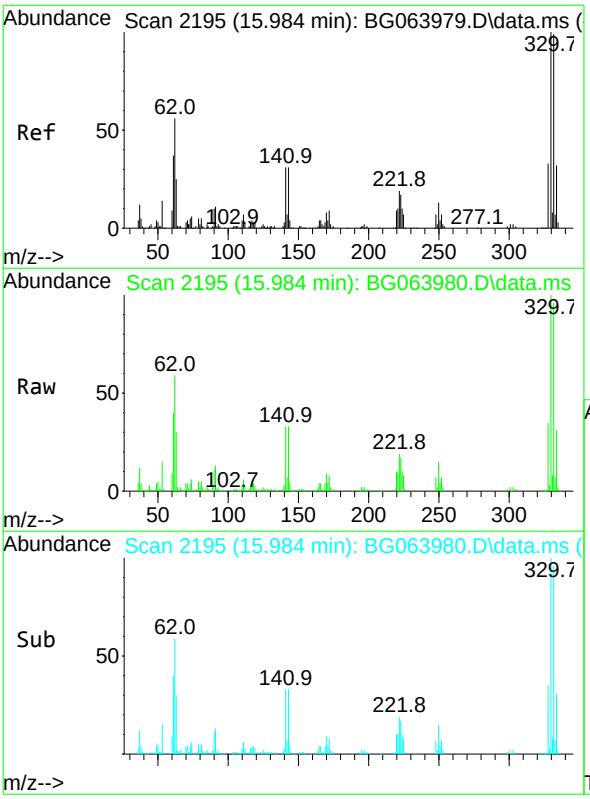
#41
Hexachlorocyclopentadiene
Concen: 51.956 ng
RT: 12.676 min Scan# 16
Delta R.T. -0.001 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 68156

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.8	83.8
272	11.7	0.0	32.3

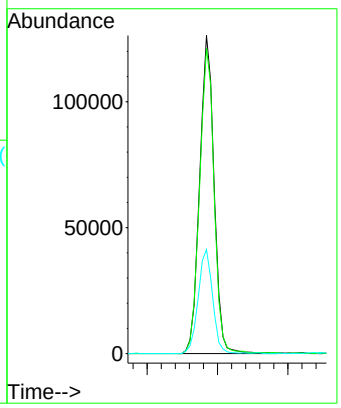


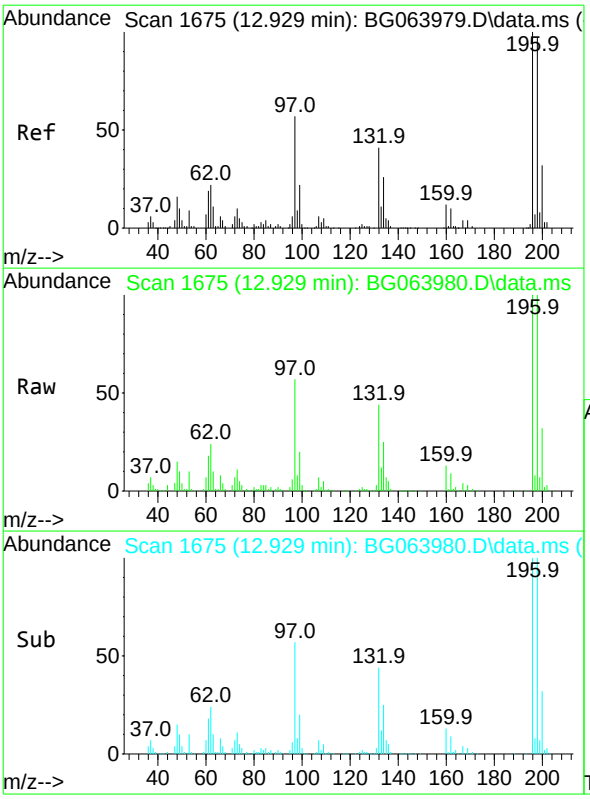


#42
2,4,6-Tribromophenol
Concen: 98.529 ng
RT: 15.984 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:330 Resp: 179700

Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.6
141	32.9	27.2	40.8



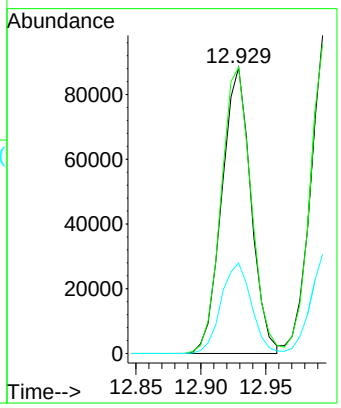


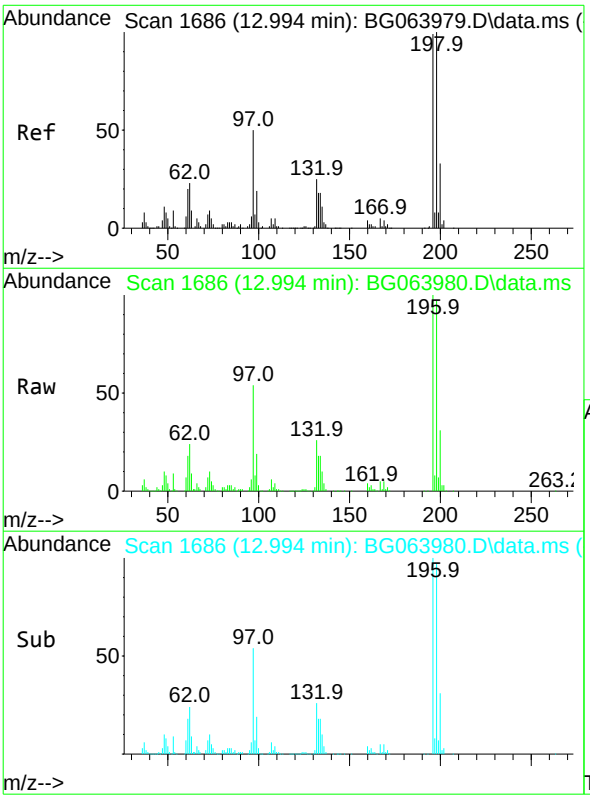
#43
2,4,6-Trichlorophenol
Concen: 48.071 ng
RT: 12.929 min Scan# 16
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 137429

Ion	Ratio	Lower	Upper
196	100		
198	100.0	77.9	116.9
200	31.6	25.5	38.3

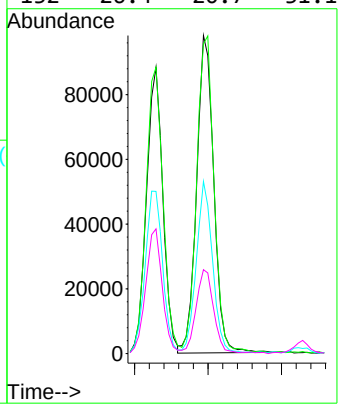


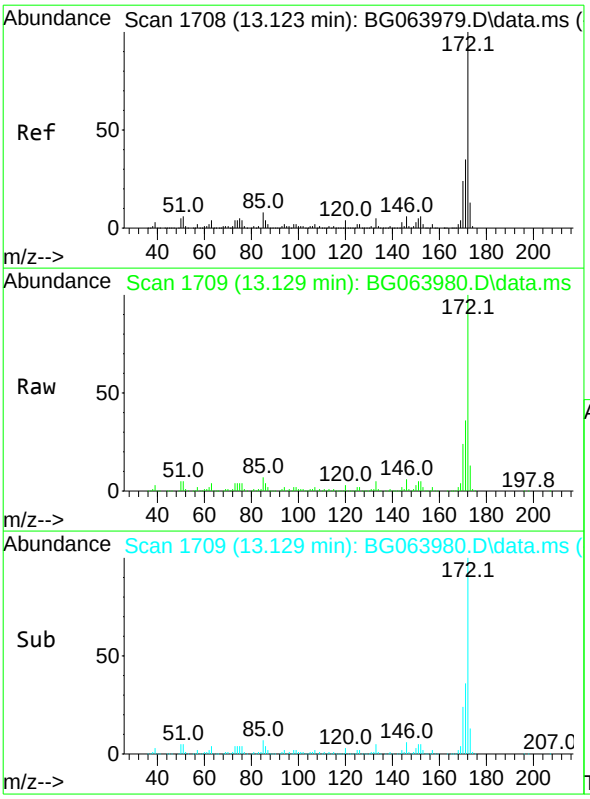


#44
2,4,5-Trichlorophenol
Concen: 49.288 ng
RT: 12.994 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:196 Resp: 158823

Ion	Ratio	Lower	Upper
196	100		
198	97.4	81.1	121.7
97	54.1	41.2	61.8
132	26.4	20.7	31.1



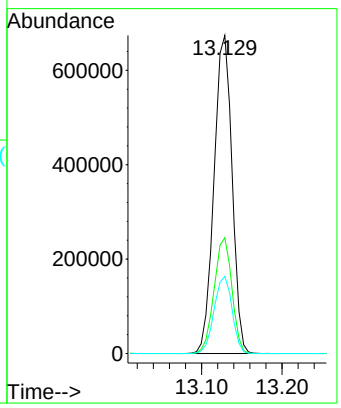


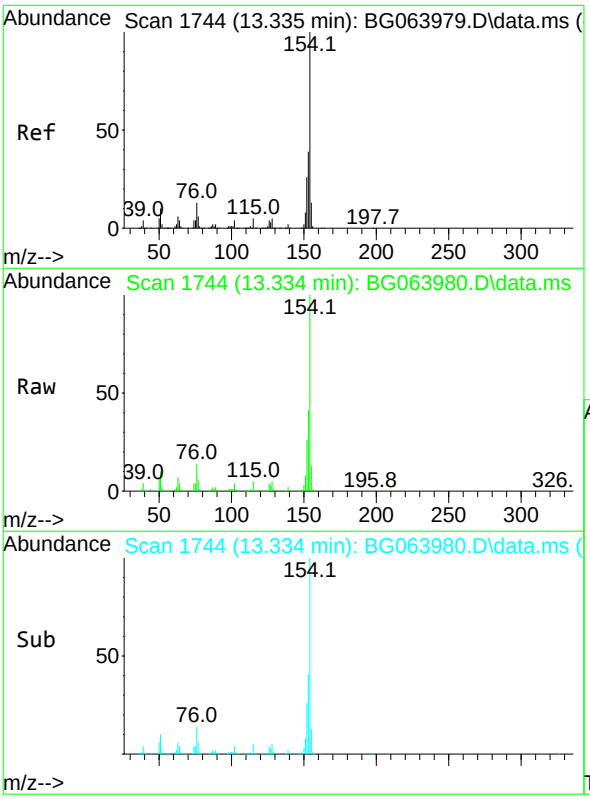
#45
2-Fluorobiphenyl
Concen: 97.480 ng
RT: 13.129 min Scan# 17
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1049069

Ion	Ratio	Lower	Upper
172	100		
171	36.4	27.8	41.6
170	24.3	19.4	29.2

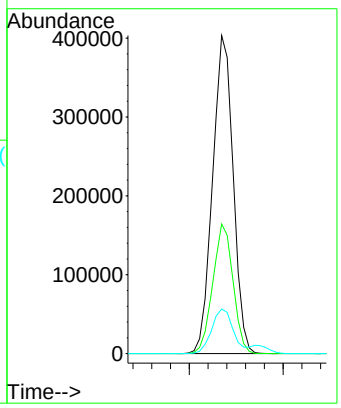


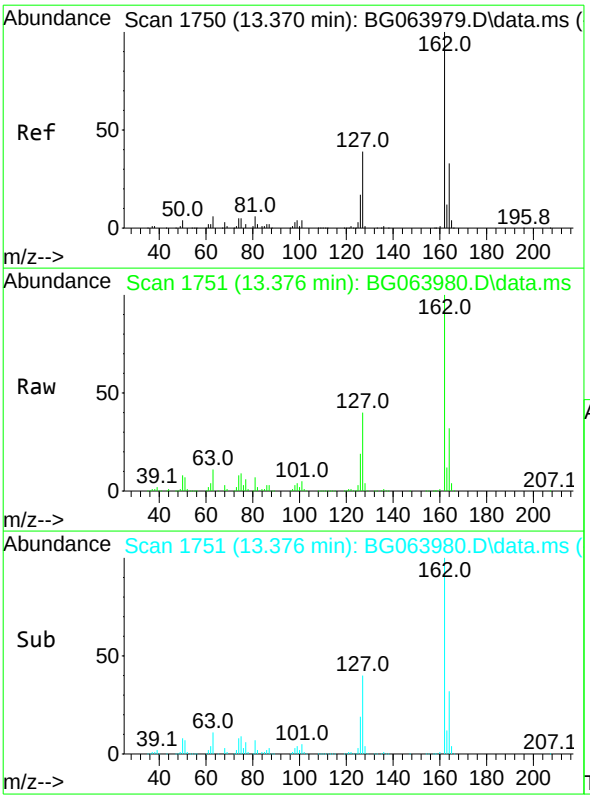


#46
1,1'-Biphenyl
Concen: 48.879 ng
RT: 13.334 min Scan# 1744
Delta R.T. -0.001 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:154 Resp: 613624

Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.3	59.3
76	14.0	0.0	33.3



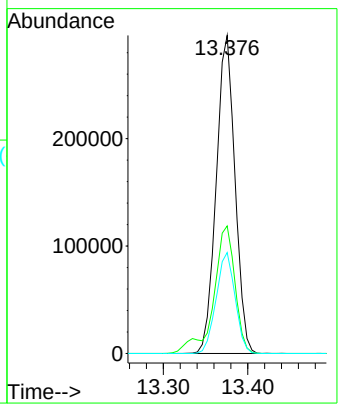


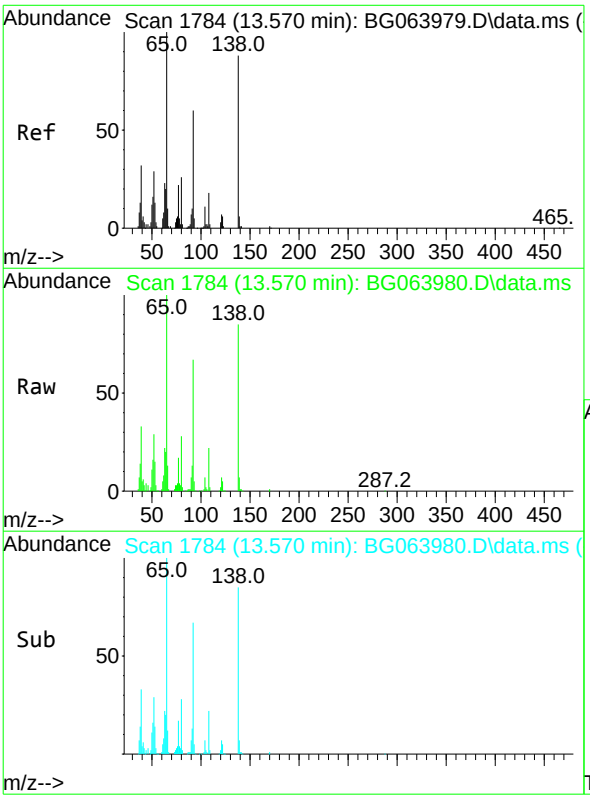
#47
2-Chloronaphthalene
Concen: 49.913 ng
RT: 13.376 min Scan# 17
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 456709

Ion	Ratio	Lower	Upper
162	100		
127	40.1	33.4	50.2
164	31.7	26.0	39.0

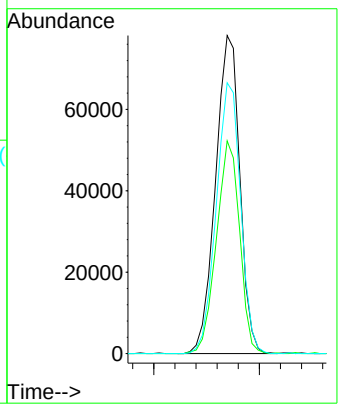


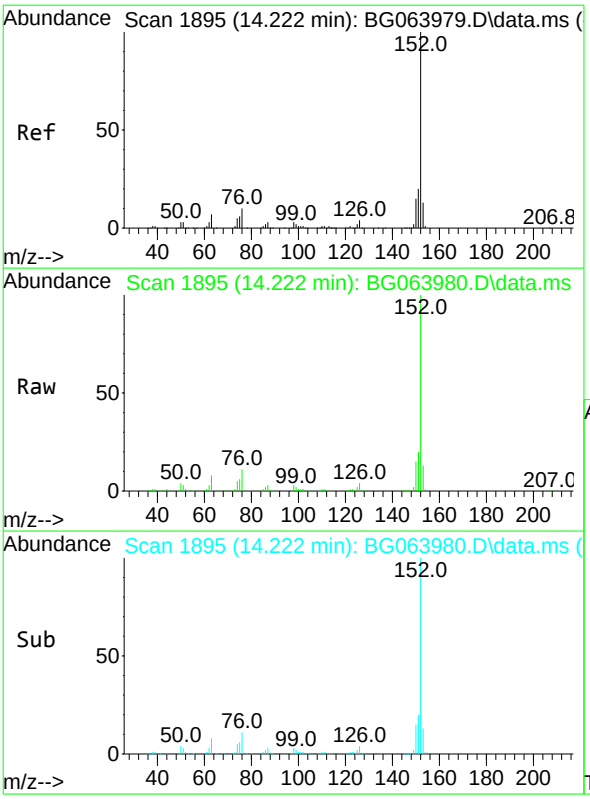


#48
2-Nitroaniline
Concen: 49.728 ng
RT: 13.570 min Scan# 1784
Delta R.T. -0.001 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion: 65 Resp: 124938

Ion	Ratio	Lower	Upper
65	100		
92	66.9	47.6	71.4
138	85.2	70.6	106.0



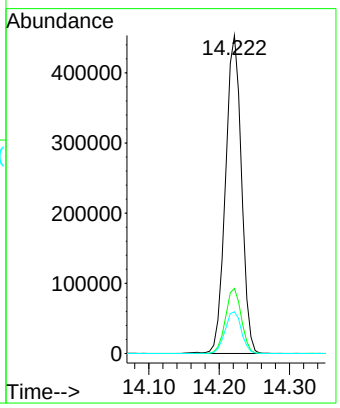


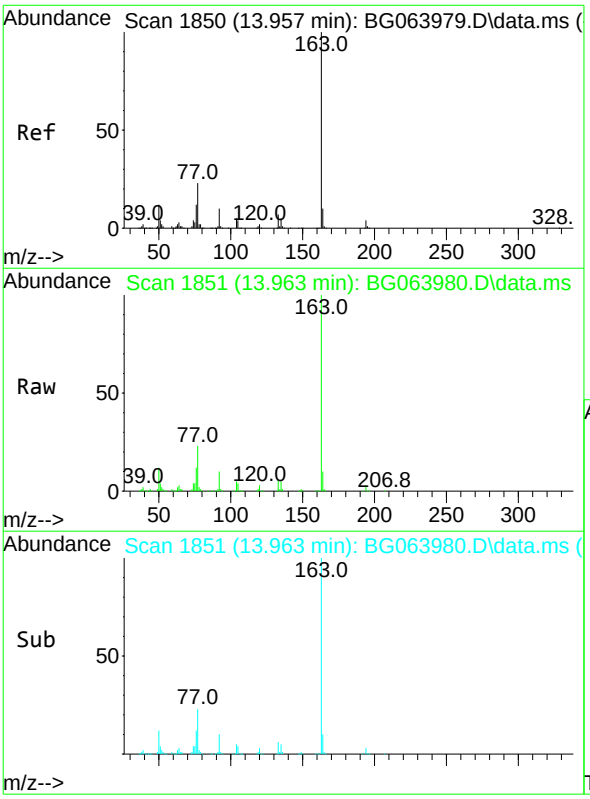
#49
Acenaphthylene
Concen: 50.222 ng
RT: 14.222 min Scan# 18
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 713794

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.1	10.3	15.5

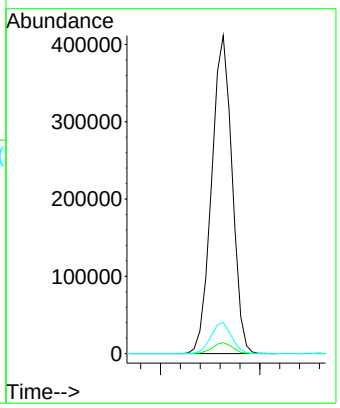


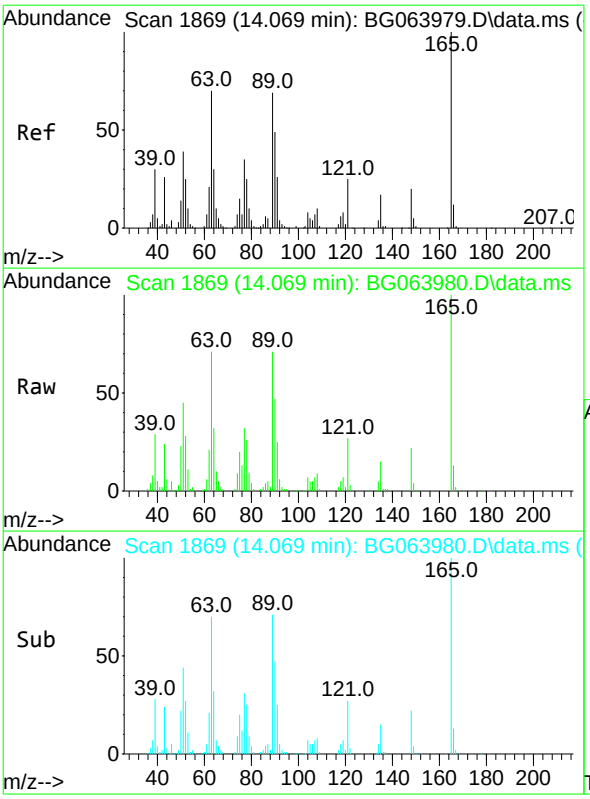


#50
Dimethylphthalate
Concen: 53.820 ng
RT: 13.963 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:163 Resp: 588395

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.7	8.0	12.0



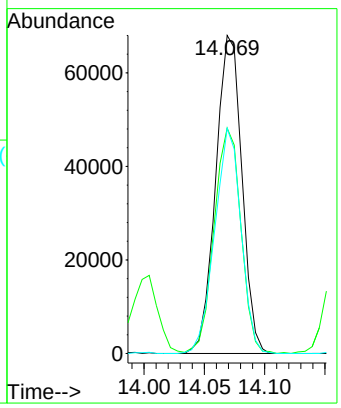


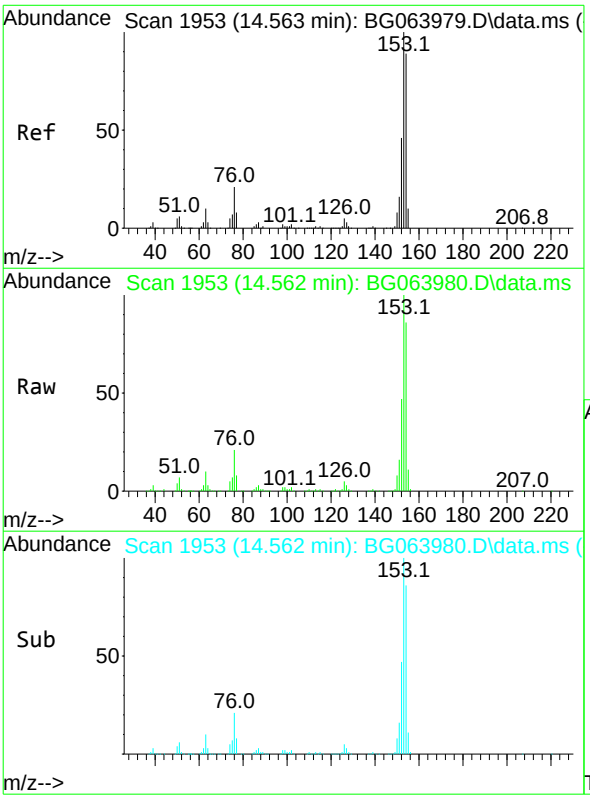
#51
2,6-Dinitrotoluene
Concen: 49.067 ng
RT: 14.069 min Scan# 18
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 102942

Ion	Ratio	Lower	Upper
165	100		
63	70.9	57.7	86.5
89	70.8	55.6	83.4

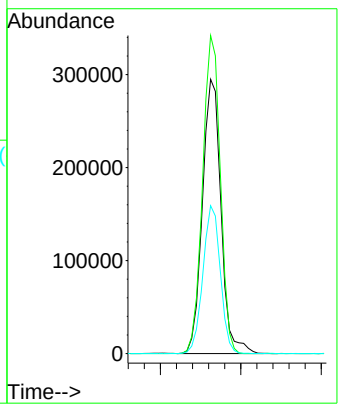


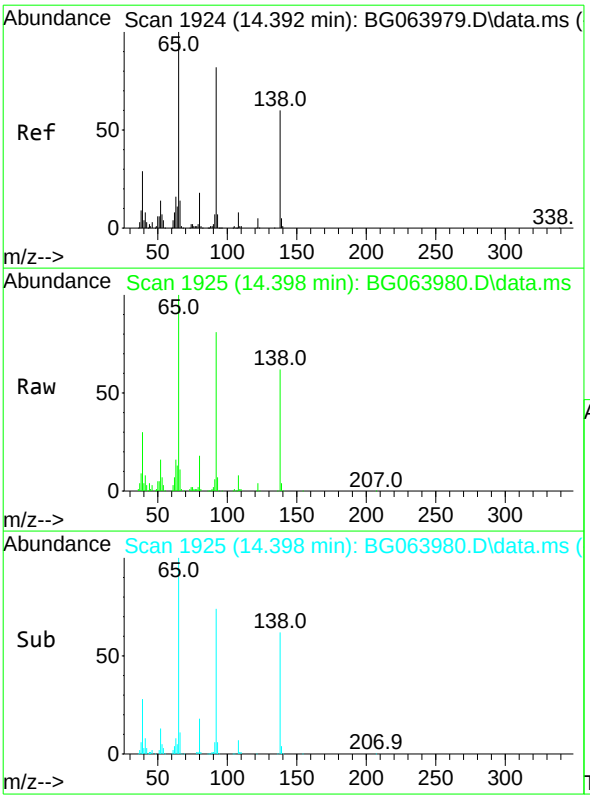


#52
Acenaphthene
Concen: 49.715 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.001 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:154 Resp: 473966

Ion	Ratio	Lower	Upper
154	100		
153	115.9	90.2	135.2
152	53.9	41.1	61.7



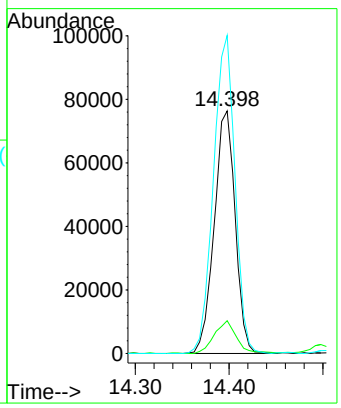


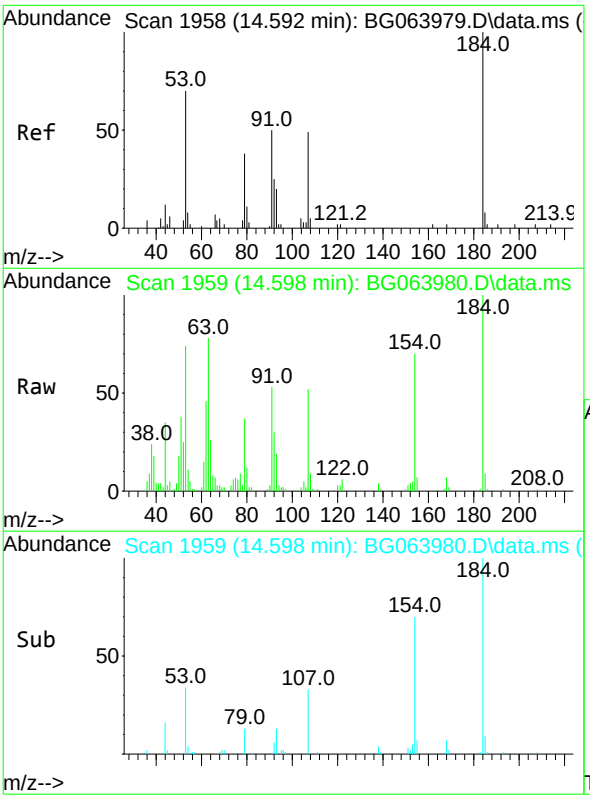
#53
3-Nitroaniline
Concen: 48.854 ng
RT: 14.398 min Scan# 19
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 118656

Ion	Ratio	Lower	Upper
138	100		
108	13.5	10.3	15.5
92	131.1	109.0	163.4

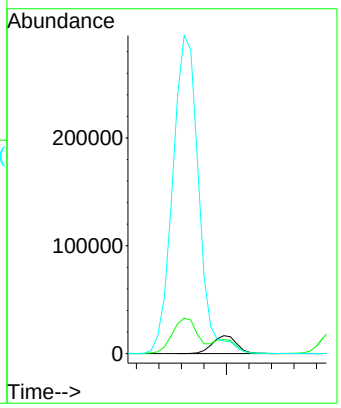


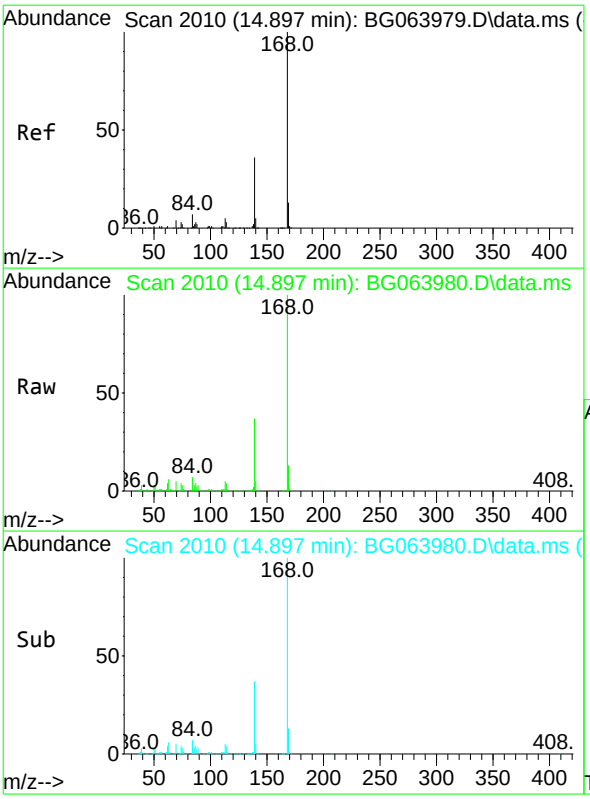


#54
2,4-Dinitrophenol
Concen: 48.933 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:184 Resp: 25036

Ion	Ratio	Lower	Upper
184	100		
63	78.2	67.3	100.9
154	69.8	65.9	98.9



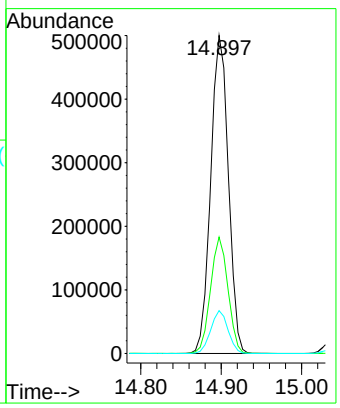


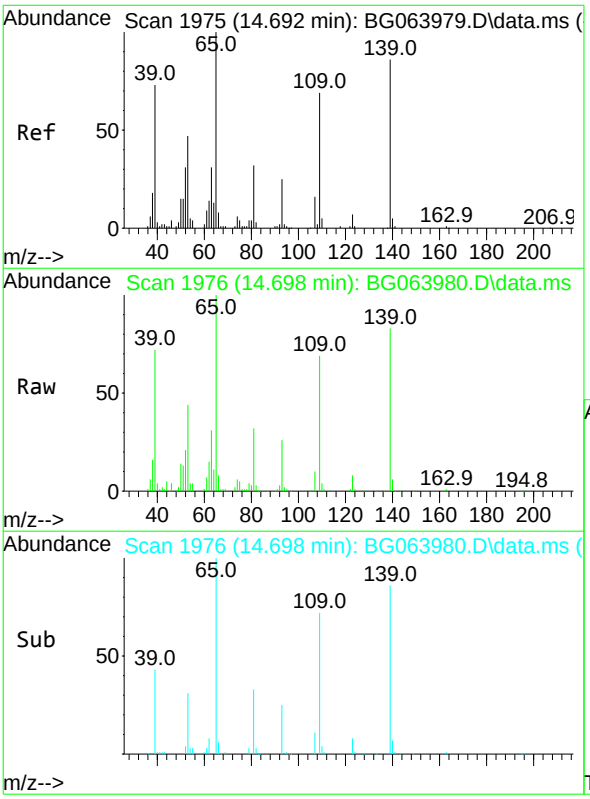
#55
Dibenzofuran
Concen: 49.235 ng
RT: 14.897 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 762163

Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.6	43.0
169	13.5	10.6	16.0

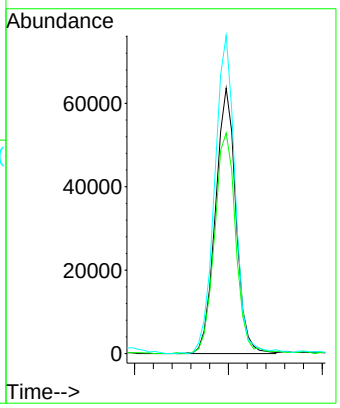


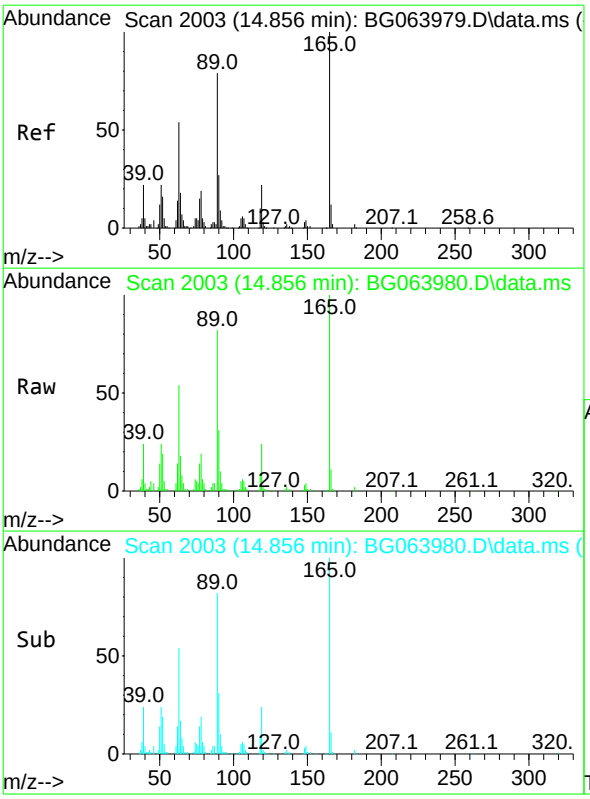


#56
4-Nitrophenol
Concen: 49.148 ng
RT: 14.698 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:139 Resp: 96236

Ion	Ratio	Lower	Upper
139	100		
109	83.1	60.1	100.1
65	119.8	96.2	136.2



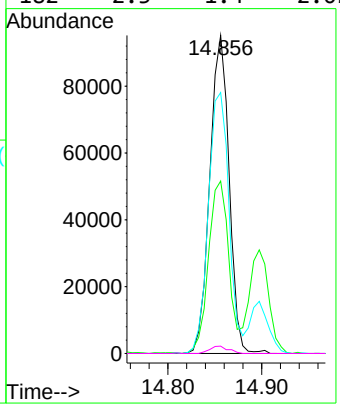


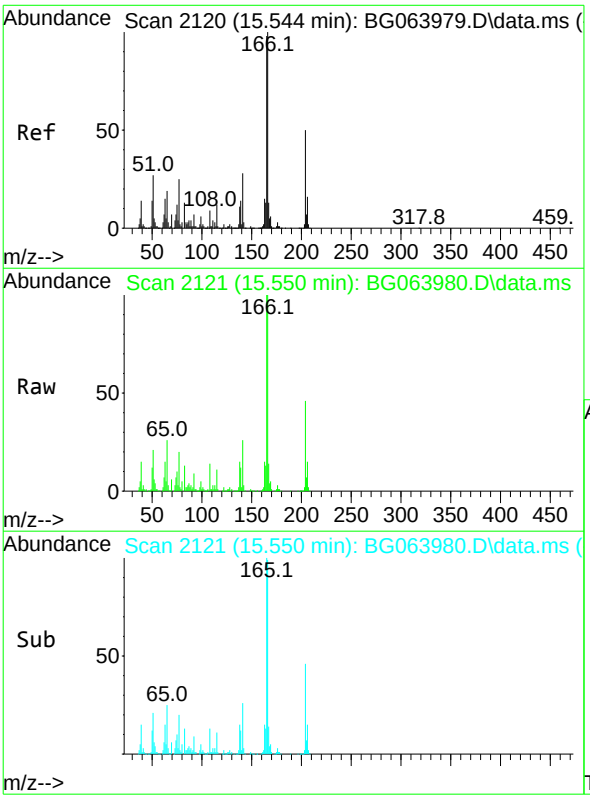
#57
2,4-Dinitrotoluene
Concen: 49.570 ng
RT: 14.856 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 136043

Ion	Ratio	Lower	Upper
165	100		
63	54.2	43.6	65.4
89	82.0	63.1	94.7
182	2.3	1.4	2.0#

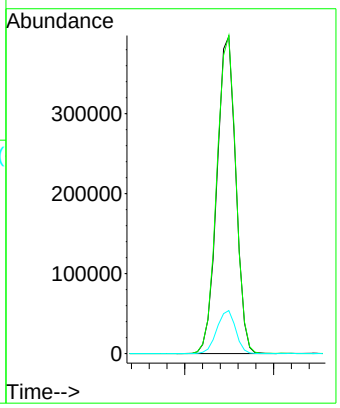


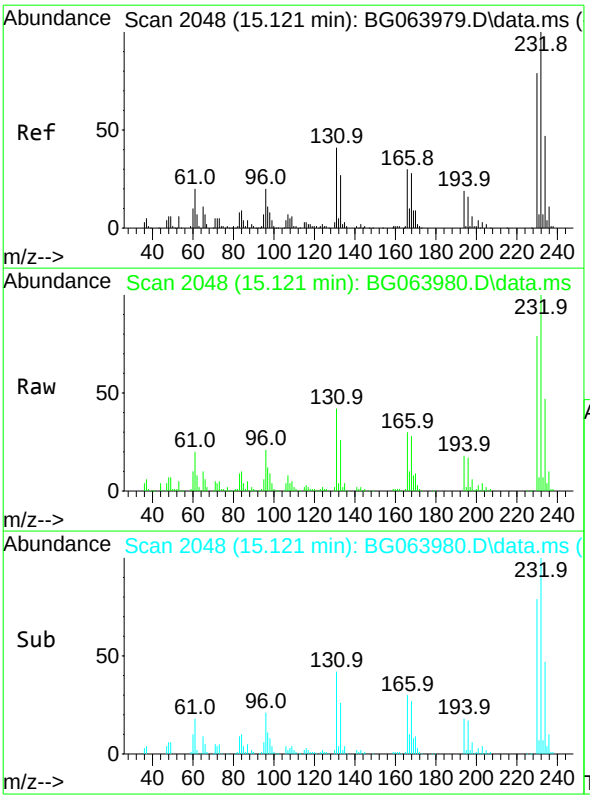


#58
Fluorene
Concen: 48.972 ng
RT: 15.550 min Scan# 2121
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:166 Resp: 585940

Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.7	118.1
167	13.6	10.1	15.1



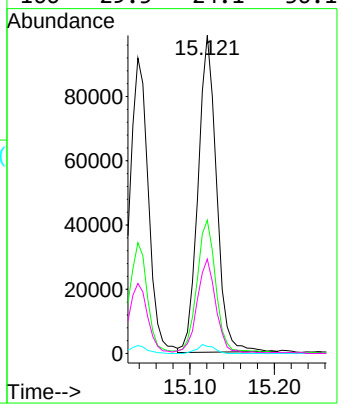


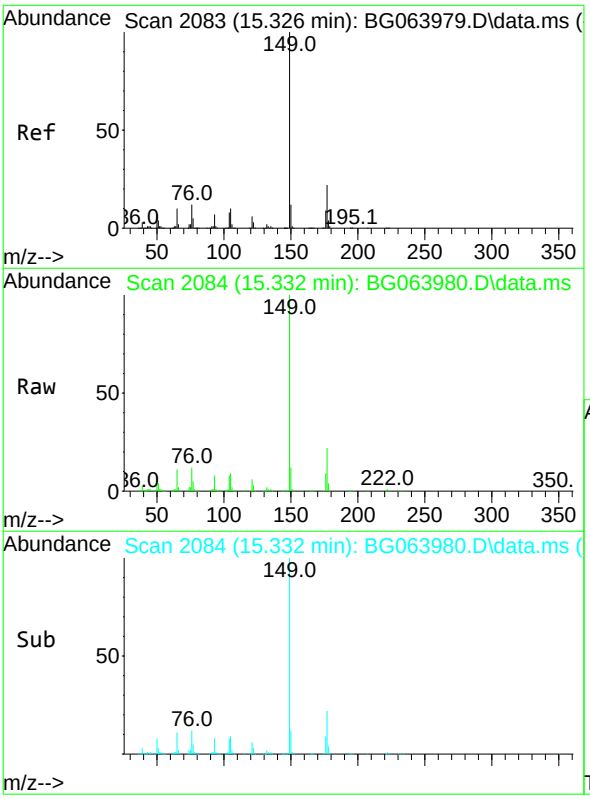
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.217 ng
RT: 15.121 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 149725

Ion	Ratio	Lower	Upper
232	100		
131	44.4	34.0	51.0
130	2.6	2.2	3.4
166	29.5	24.1	36.1

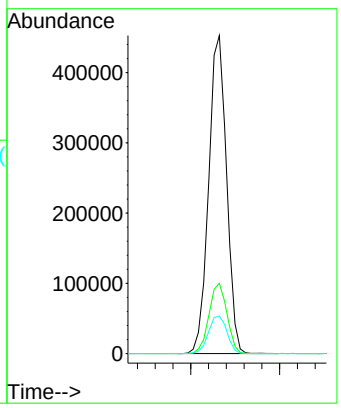


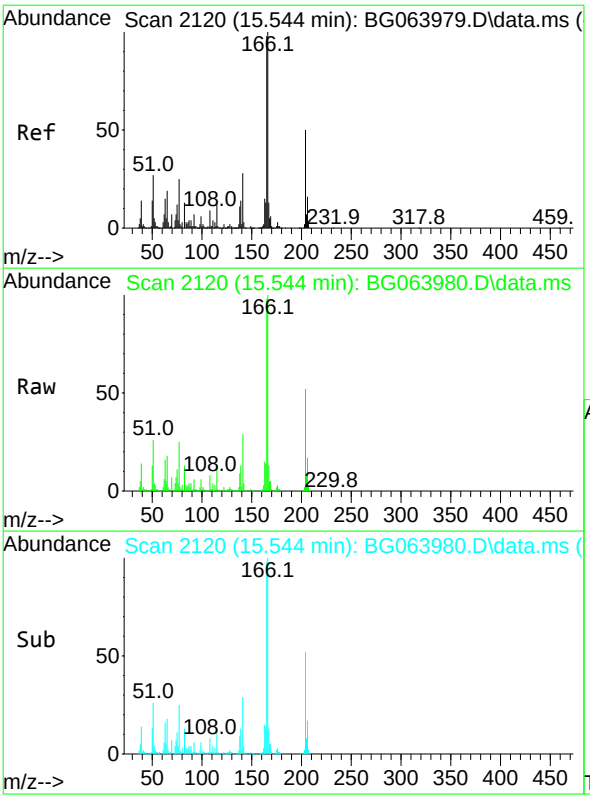


#60
Diethylphthalate
Concen: 54.595 ng
RT: 15.332 min Scan# 2084
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:149 Resp: 632827

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	11.8	9.7	14.5



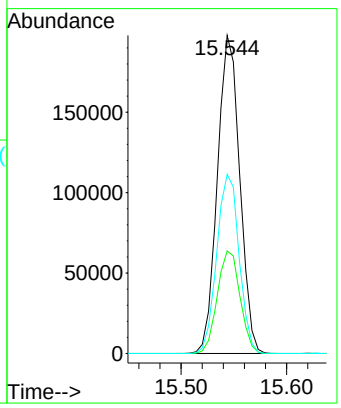


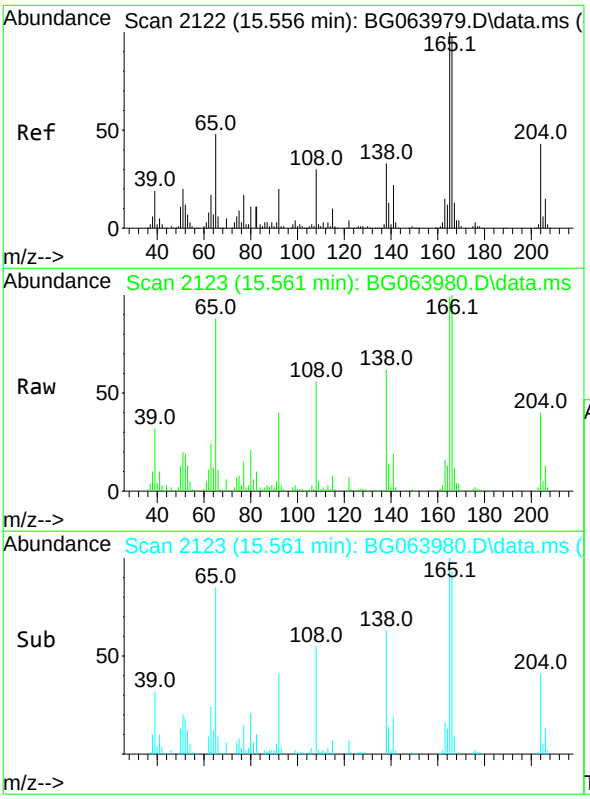
#61
4-Chlorophenyl-phenylether
Concen: 48.514 ng
RT: 15.544 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 291244

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	56.3	44.6	67.0

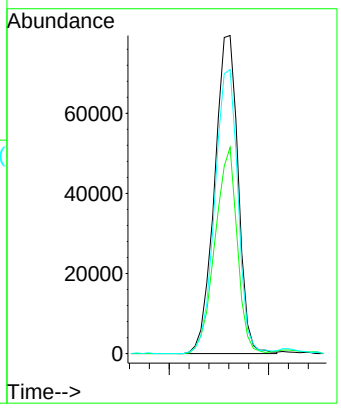


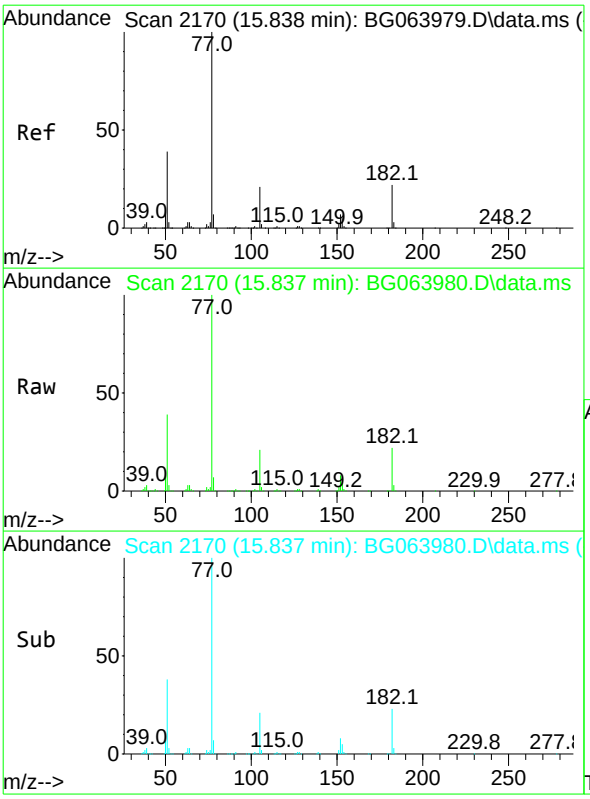


#62
4-Nitroaniline
Concen: 50.584 ng
RT: 15.561 min Scan# 2123
Delta R.T. 0.005 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:138 Resp: 131413

Ion	Ratio	Lower	Upper
138	100		
92	64.8	40.3	80.3
108	89.3	69.3	109.3



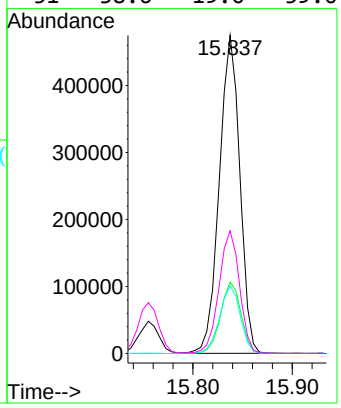


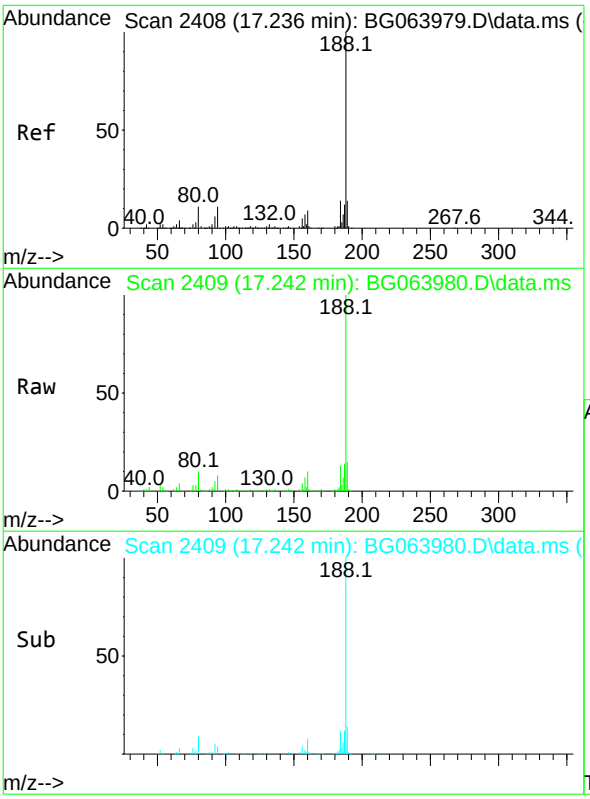
#63
Azobenzene
Concen: 49.773 ng
RT: 15.837 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 681432

Ion	Ratio	Lower	Upper
77	100		
182	22.4	2.3	42.3
105	21.2	1.0	41.0
51	38.6	19.0	59.0

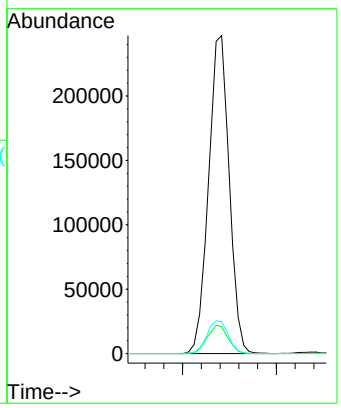


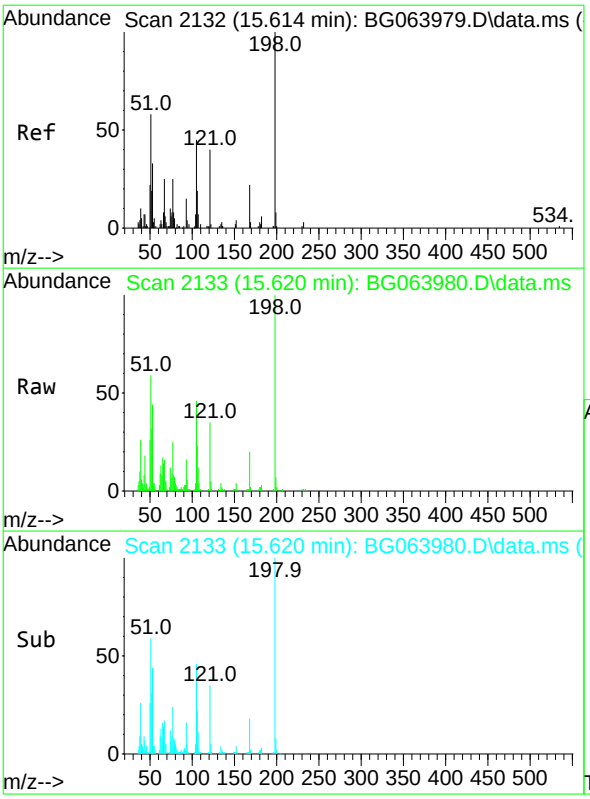


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.242 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:188 Resp: 377635

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.6	13.0#
80	10.0	8.5	12.7



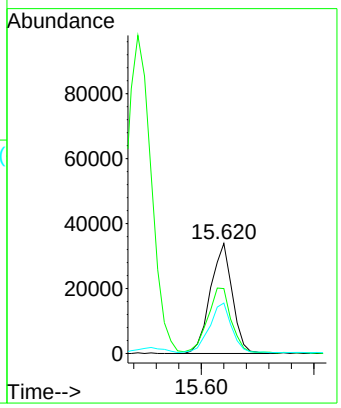


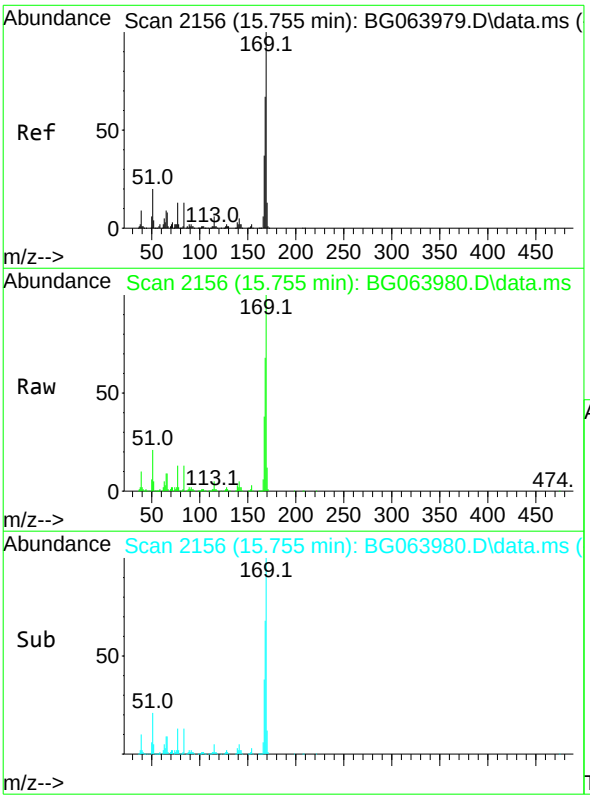
#65
4,6-Dinitro-2-methylphenol
Concen: 49.113 ng
RT: 15.620 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 45880

Ion	Ratio	Lower	Upper
198	100		
51	59.0	45.4	85.4
105	45.8	27.7	67.7

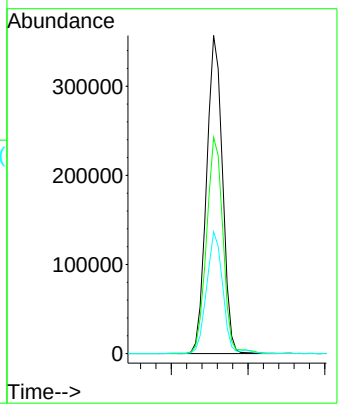


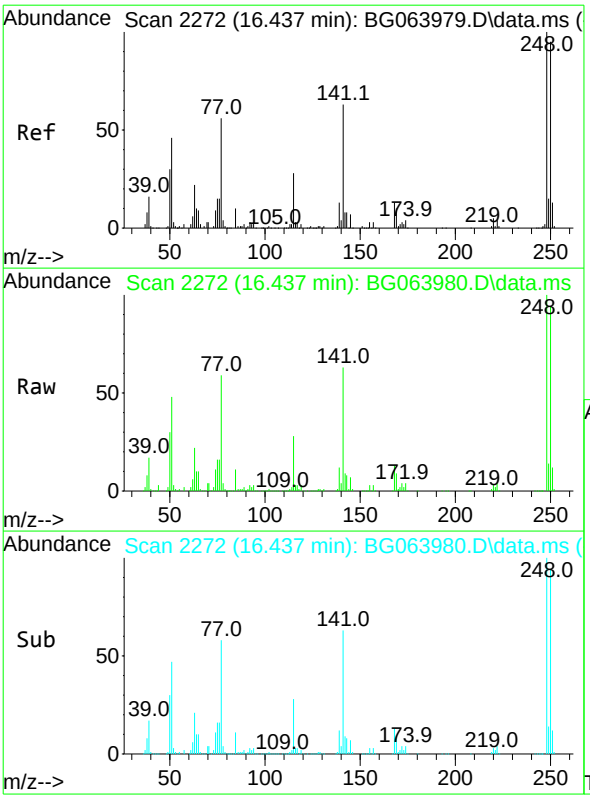


#66
n-Nitrosodiphenylamine
Concen: 49.229 ng
RT: 15.755 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:169 Resp: 515448

Ion	Ratio	Lower	Upper
169	100		
168	68.0	53.5	80.3
167	38.3	30.0	45.0



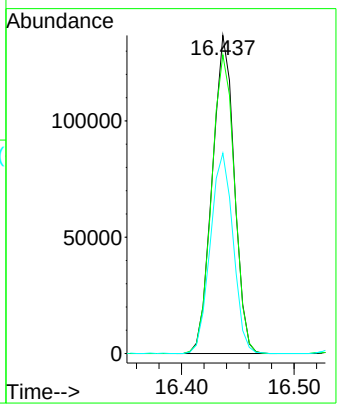


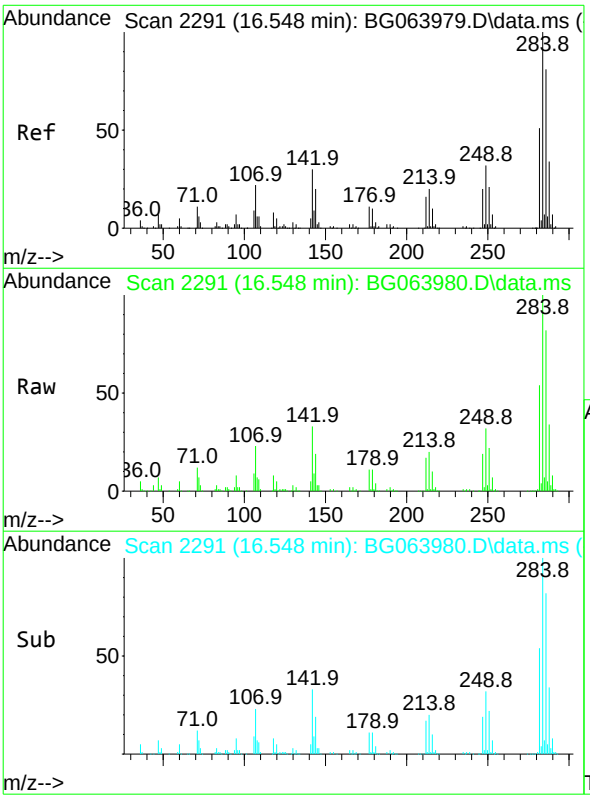
#67
4-Bromophenyl-phenylether
Concen: 49.513 ng
RT: 16.437 min Scan# 22
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 186109

Ion	Ratio	Lower	Upper
248	100		
250	93.9	76.2	114.4
141	63.0	50.6	75.8

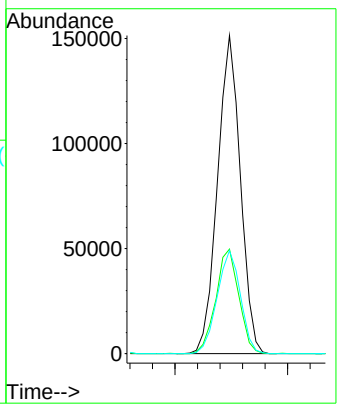


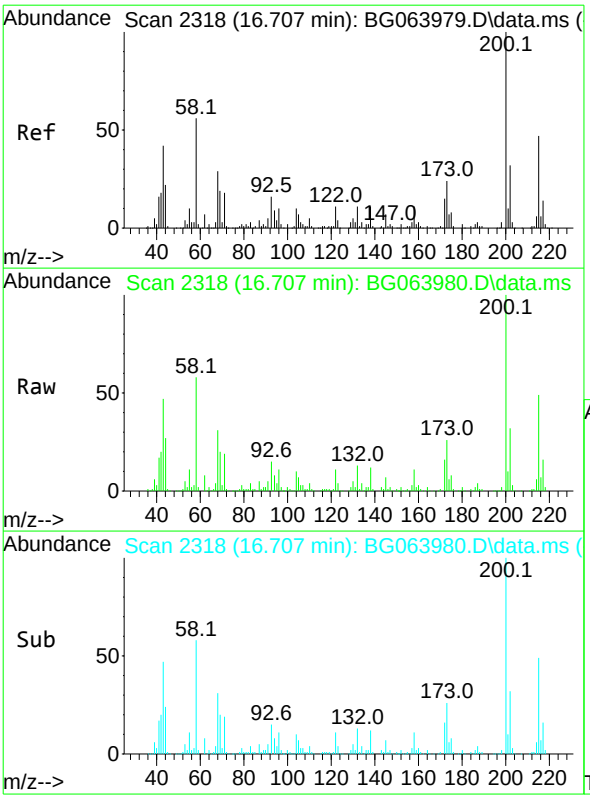


#68
Hexachlorobenzene
Concen: 48.292 ng
RT: 16.548 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:284 Resp: 213407

Ion	Ratio	Lower	Upper
284	100		
142	32.9	23.8	35.8
249	32.4	25.9	38.9



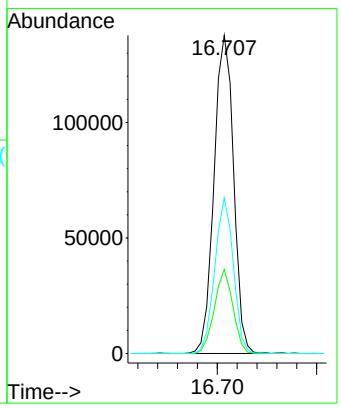


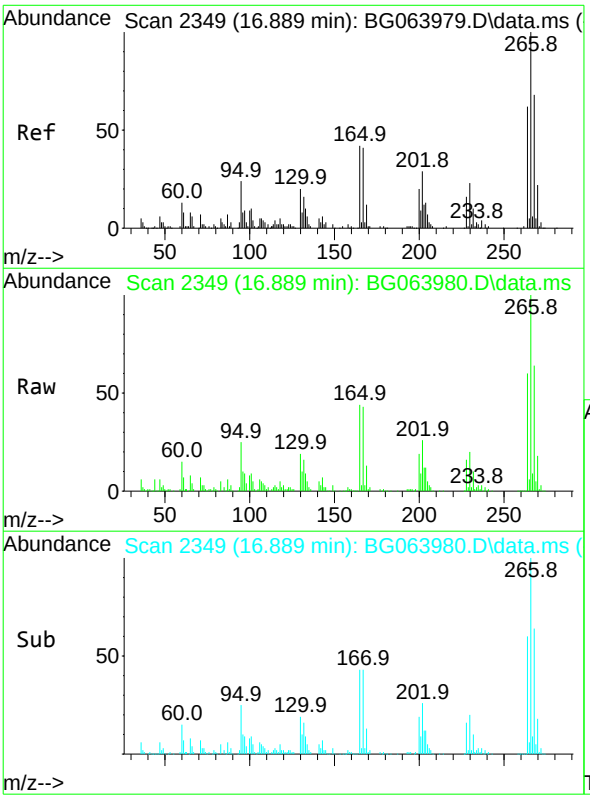
#69
Atrazine
Concen: 54.108 ng
RT: 16.707 min Scan# 23
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 188531

Ion	Ratio	Lower	Upper
200	100		
173	26.4	3.8	43.8
215	48.9	26.6	66.6

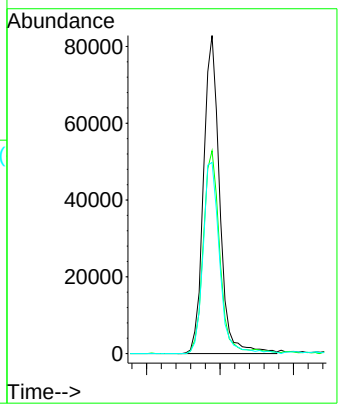


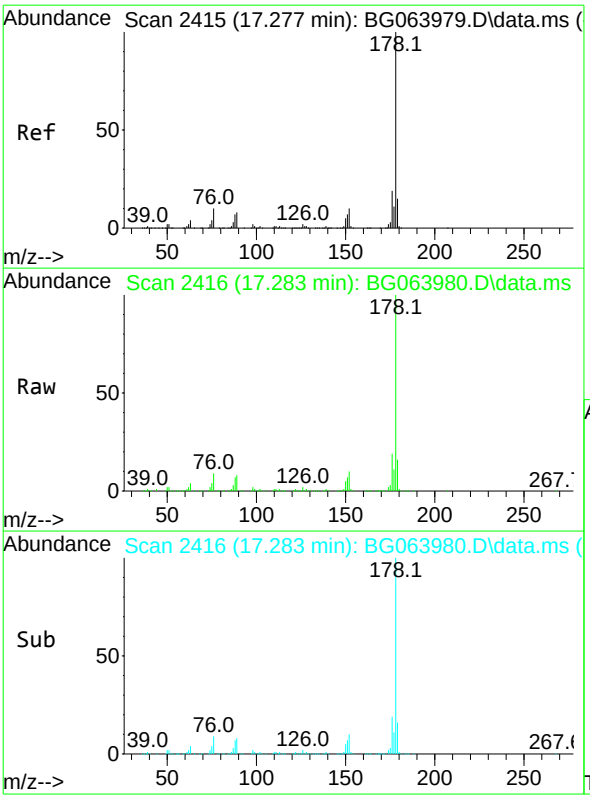


#70
Pentachlorophenol
Concen: 47.772 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:266 Resp: 126588

Ion	Ratio	Lower	Upper
266	100		
268	63.8	54.8	82.2
264	60.1	50.0	75.0



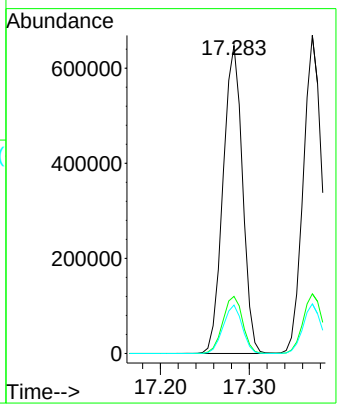


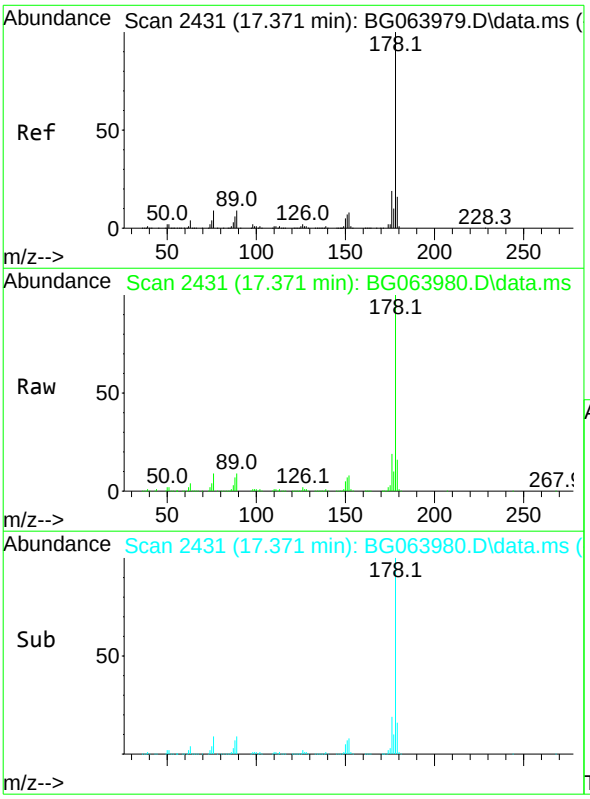
#71
Phenanthrene
Concen: 49.555 ng
RT: 17.283 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 982871

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.7	12.2	18.4

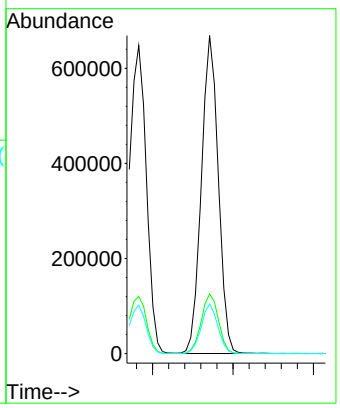


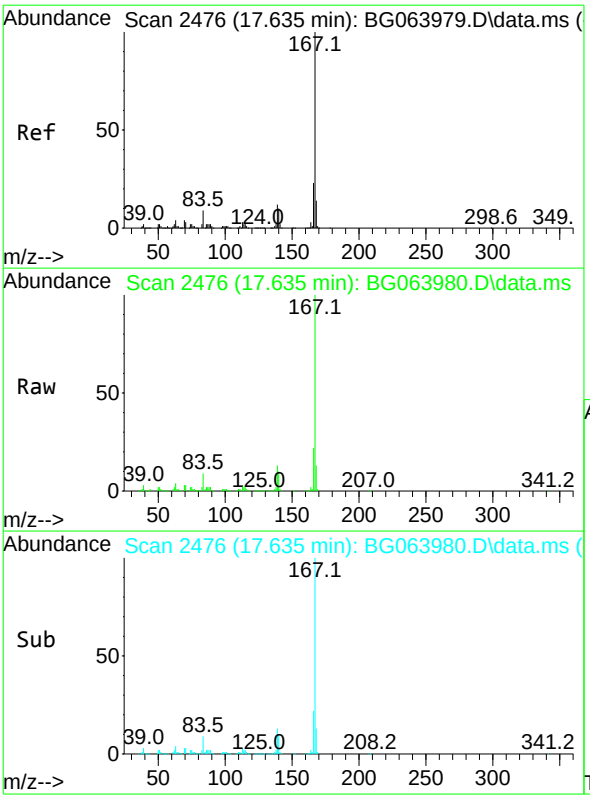


#72
Anthracene
Concen: 49.300 ng
RT: 17.371 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:178 Resp: 978433

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.6	12.8	19.2



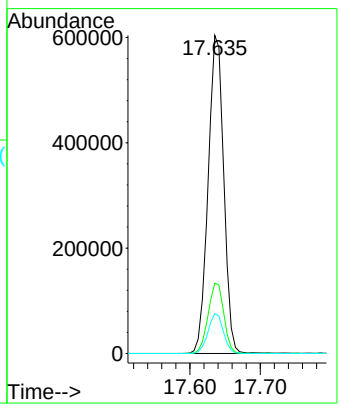


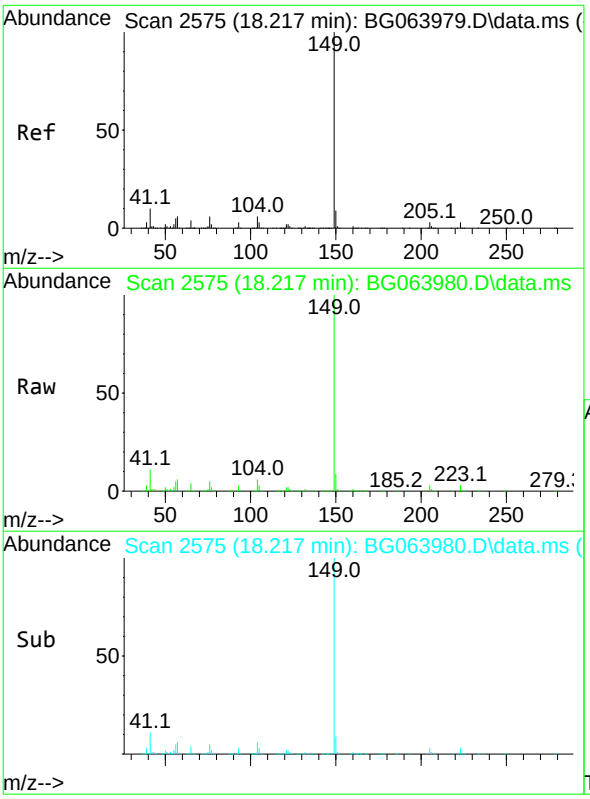
#73
Carbazole
Concen: 50.069 ng
RT: 17.635 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 930229

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.6	28.0
139	12.6	9.8	14.8

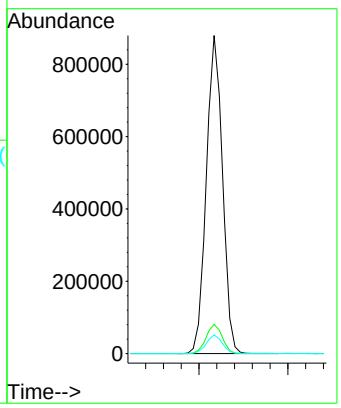


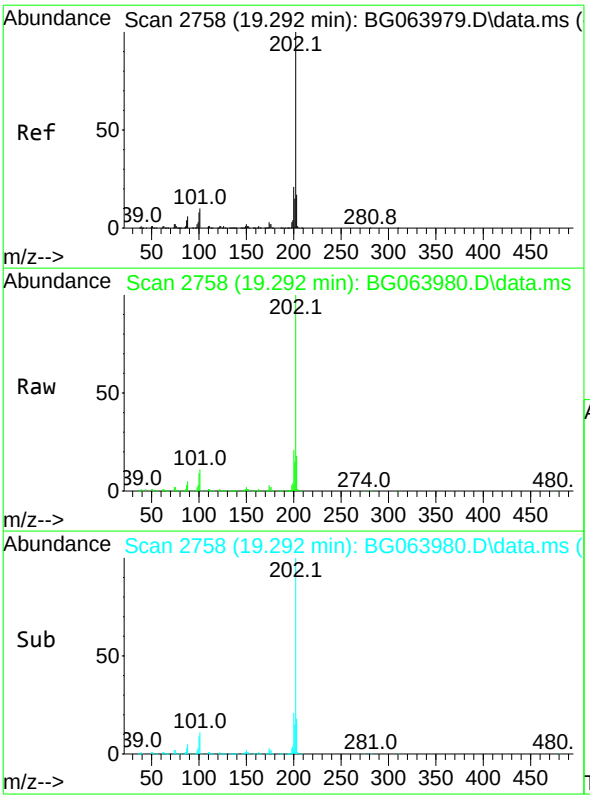


#74
Di-n-butylphthalate
Concen: 57.383 ng
RT: 18.217 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:149 Resp: 1111295

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.9	4.6	6.8



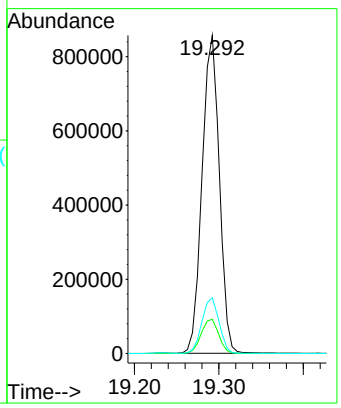


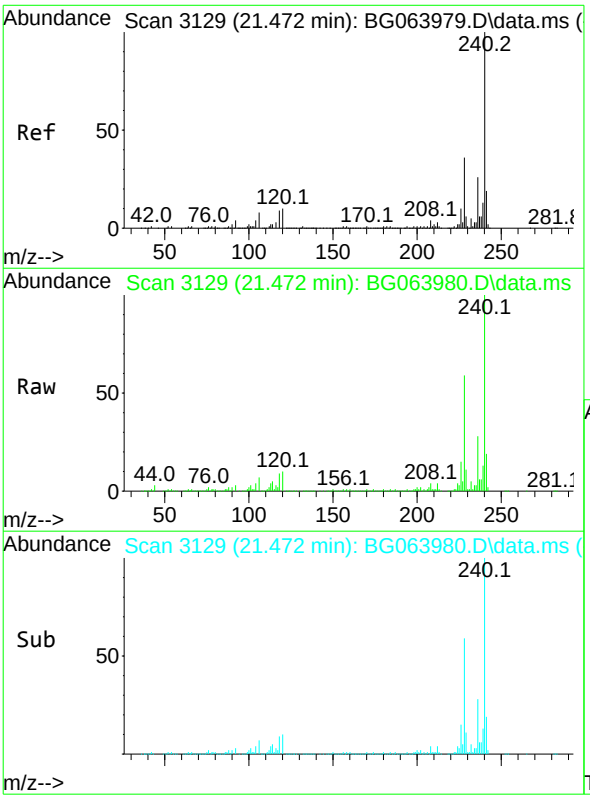
#75
Fluoranthene
Concen: 50.378 ng
RT: 19.292 min Scan# 27
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1216745

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.4
203	17.5	0.0	37.0

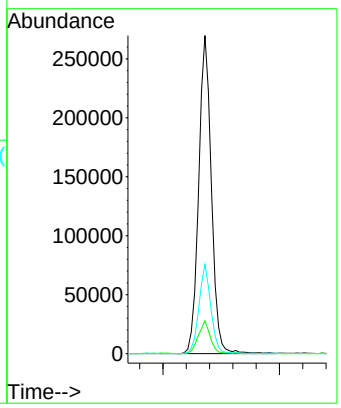


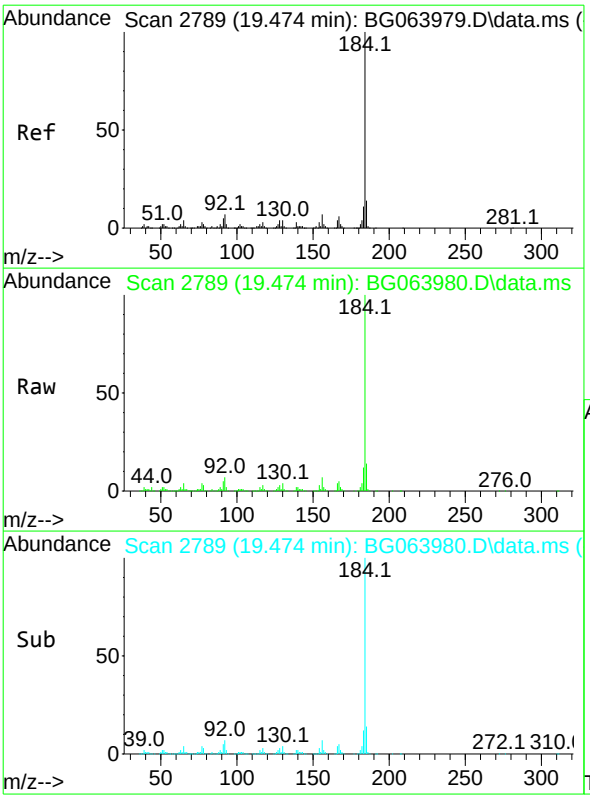


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3129
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:240 Resp: 407666

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.9	11.9
236	28.0	21.0	31.6



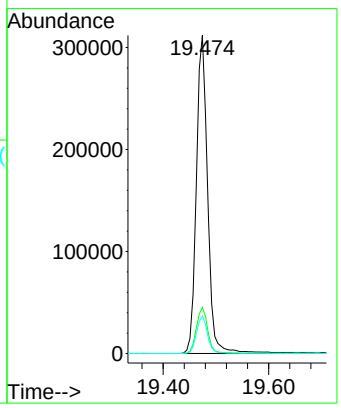


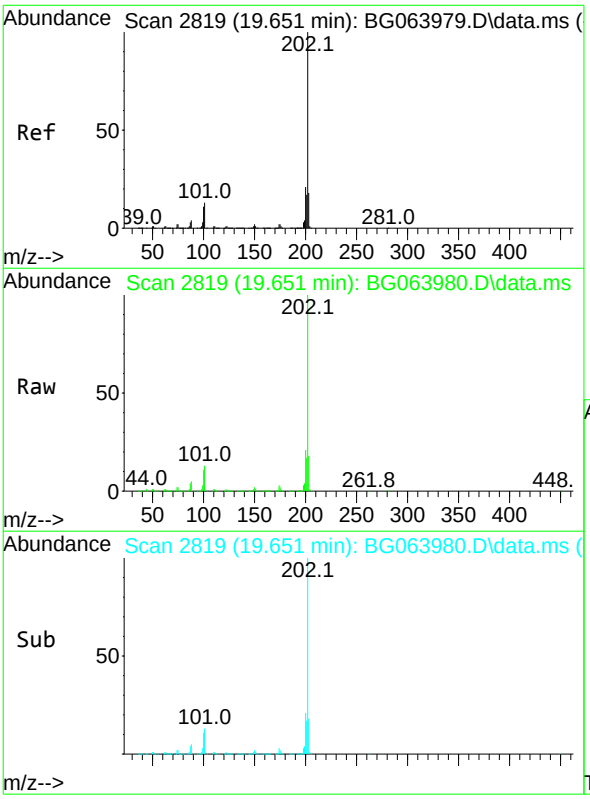
#77
Benzidine
Concen: 53.274 ng
RT: 19.474 min Scan# 27
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 462466

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.2	16.8
183	11.8	8.7	13.1

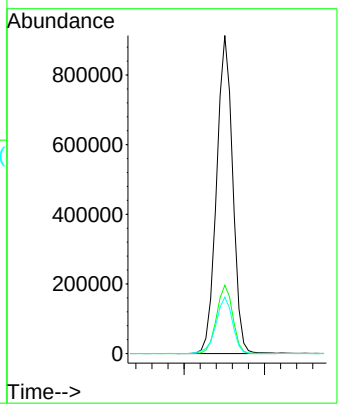


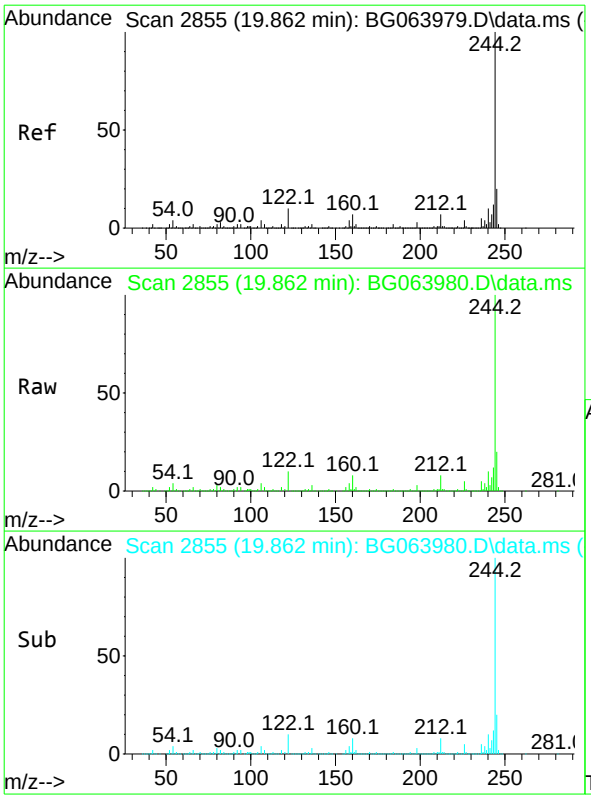


#78
Pyrene
Concen: 50.478 ng
RT: 19.651 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:202 Resp: 1270395

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.7	14.5	21.7



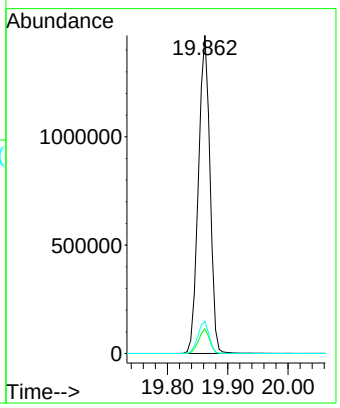


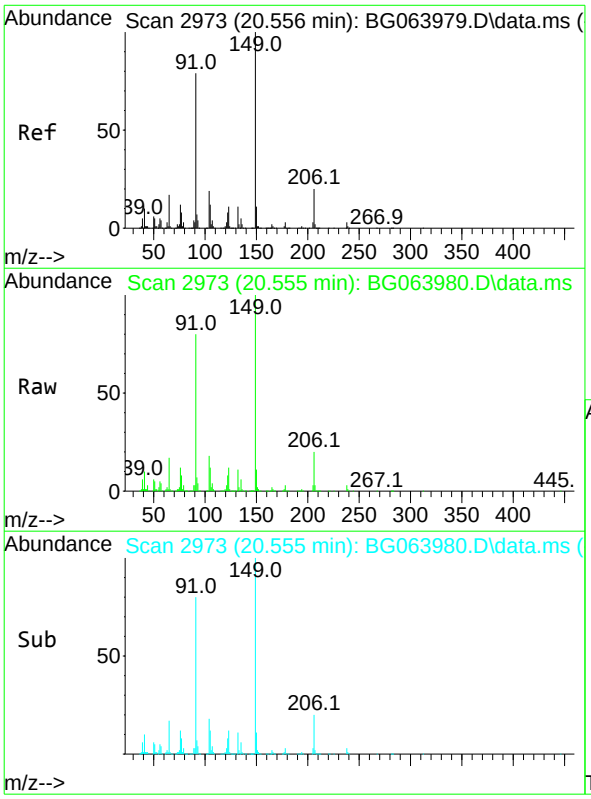
#79
Terphenyl-d14
Concen: 100.008 ng
RT: 19.862 min Scan# 28
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1952143

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	10.1	7.7	11.5

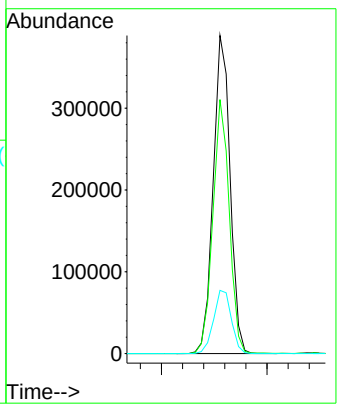


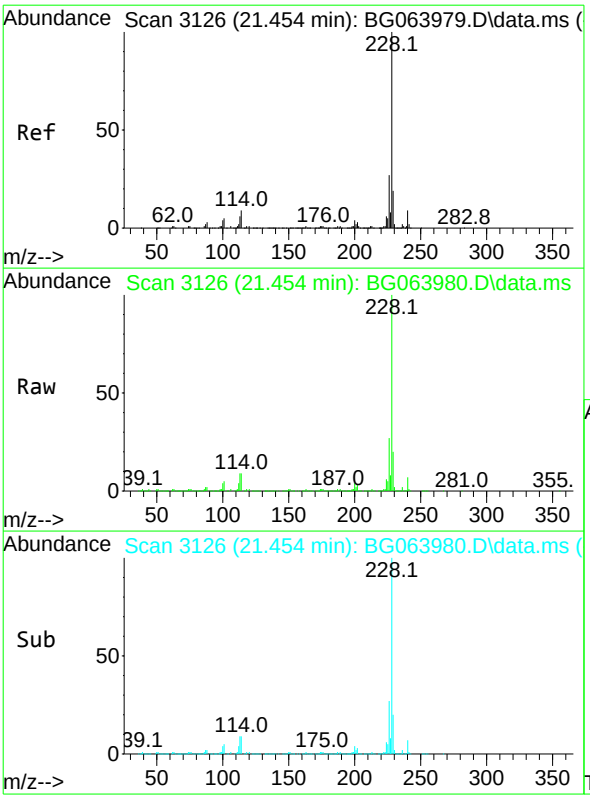


#80
Butylbenzylphthalate
Concen: 49.082 ng
RT: 20.555 min Scan# 2973
Delta R.T. -0.001 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:149 Resp: 432573

Ion	Ratio	Lower	Upper
149	100		
91	79.9	63.0	94.6
206	19.9	15.8	23.6



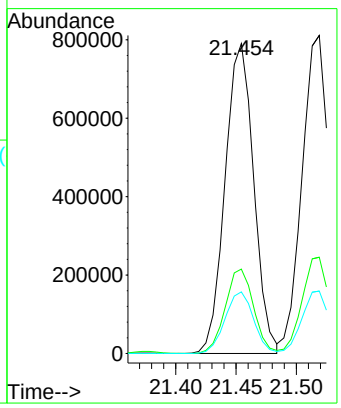


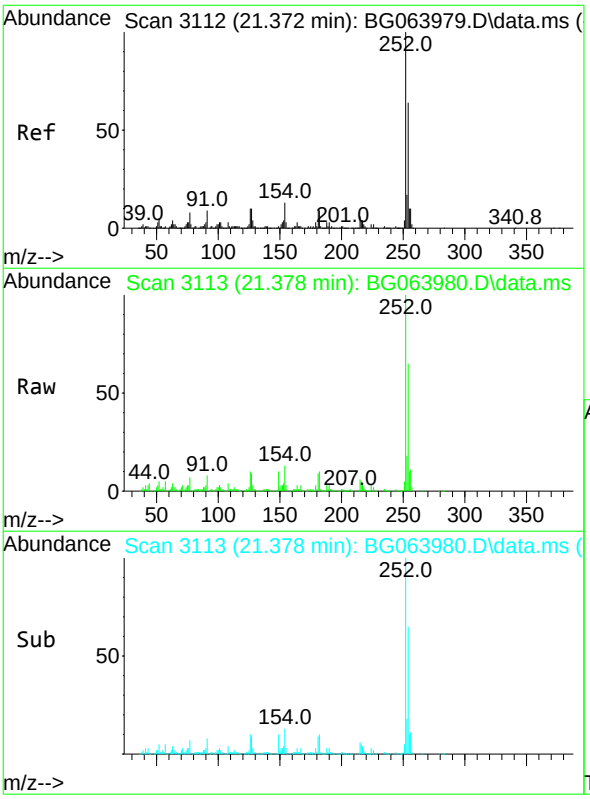
#81
Benzo(a)anthracene
Concen: 50.447 ng
RT: 21.454 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1305725

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	19.9	15.5	23.3

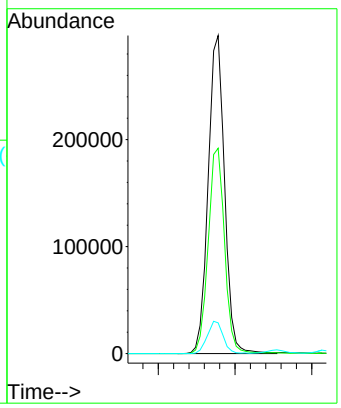


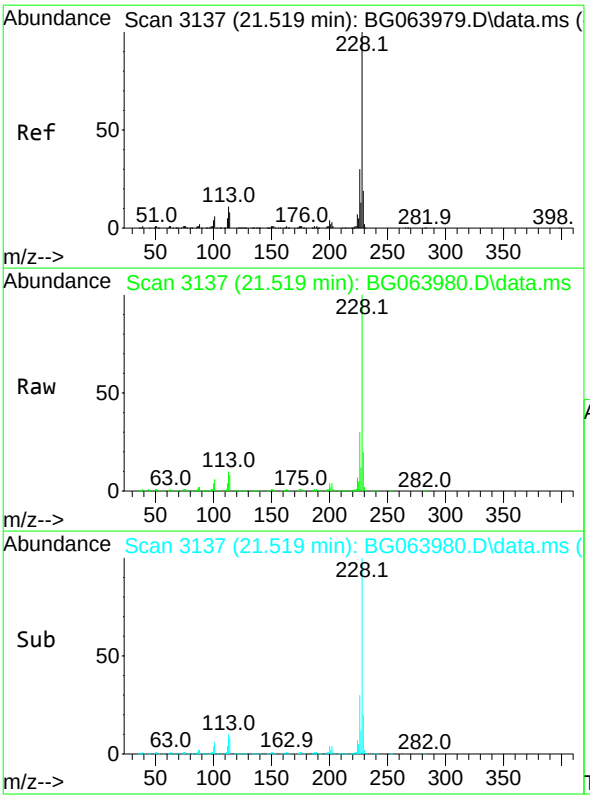


#82
3,3'-Dichlorobenzidine
Concen: 54.706 ng
RT: 21.378 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:252 Resp: 440960

Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.8	76.2
126	9.7	8.2	12.2



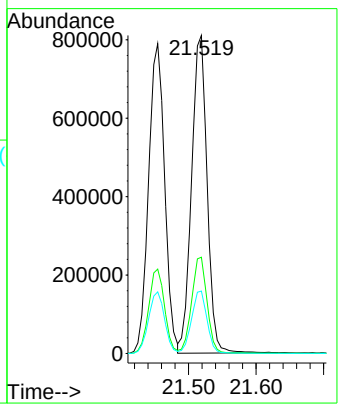


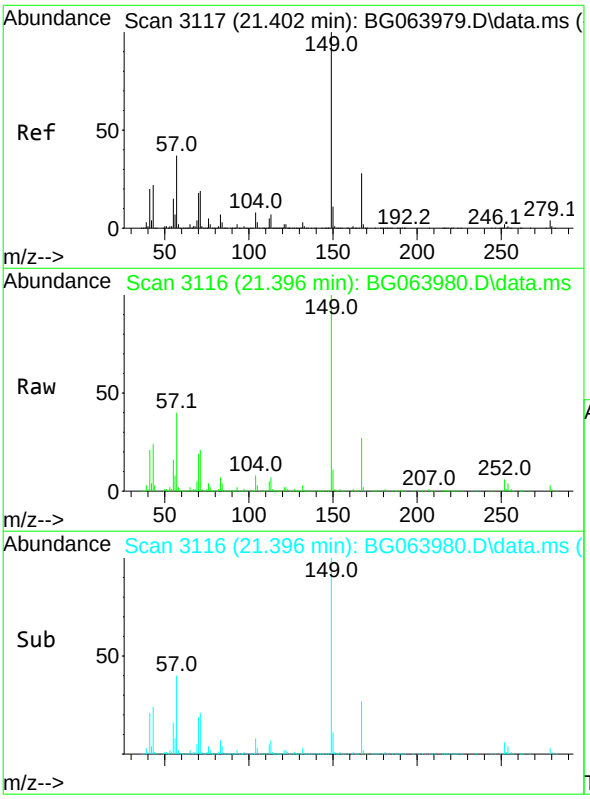
#83
Chrysene
Concen: 50.177 ng
RT: 21.519 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1292452

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.6	15.4	23.0

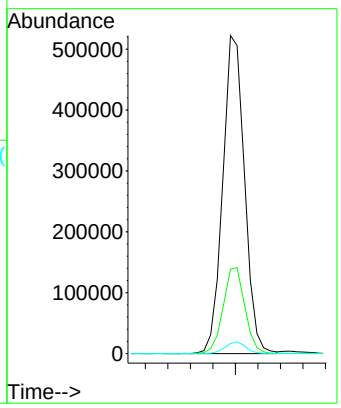


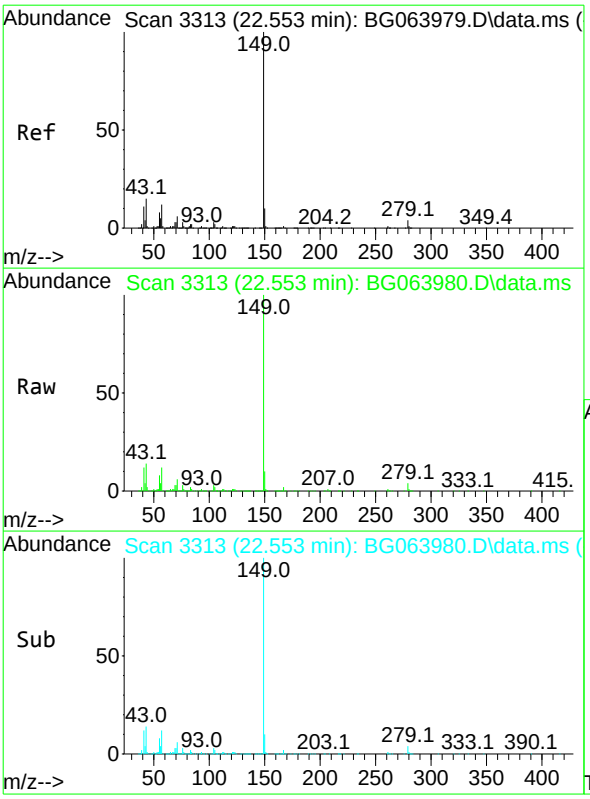


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.670 ng
RT: 21.396 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:149 Resp: 702362

Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.5	33.7
279	3.2	3.0	4.4



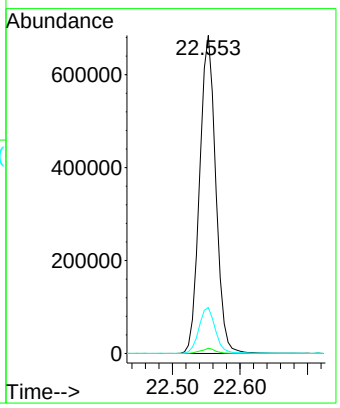


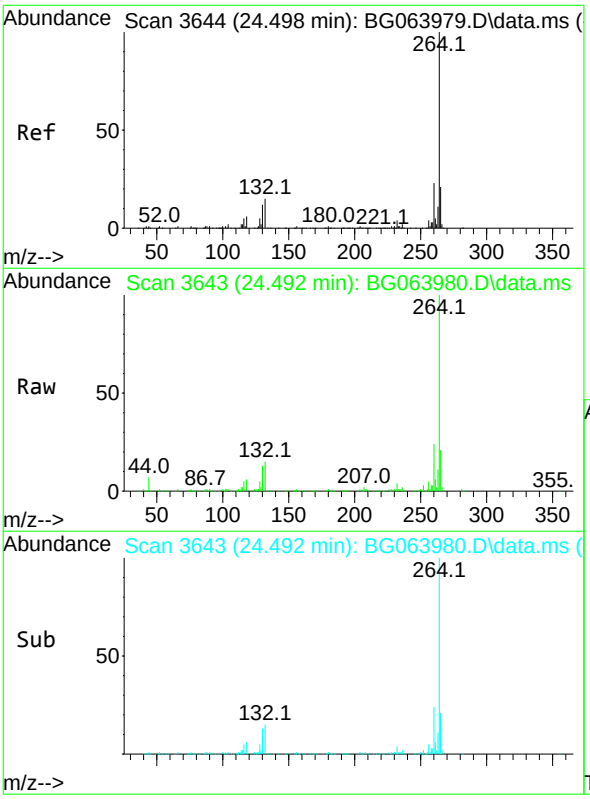
#85
Di-n-octyl phthalate
Concen: 49.016 ng
RT: 22.553 min Scan# 33
Delta R.T. 0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1134481

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	14.9	12.3	18.5

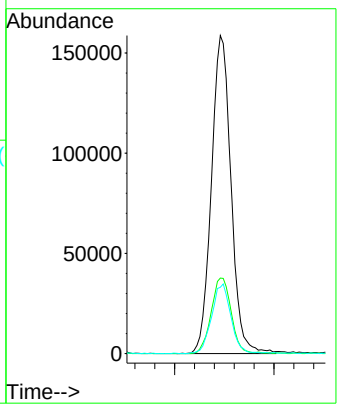


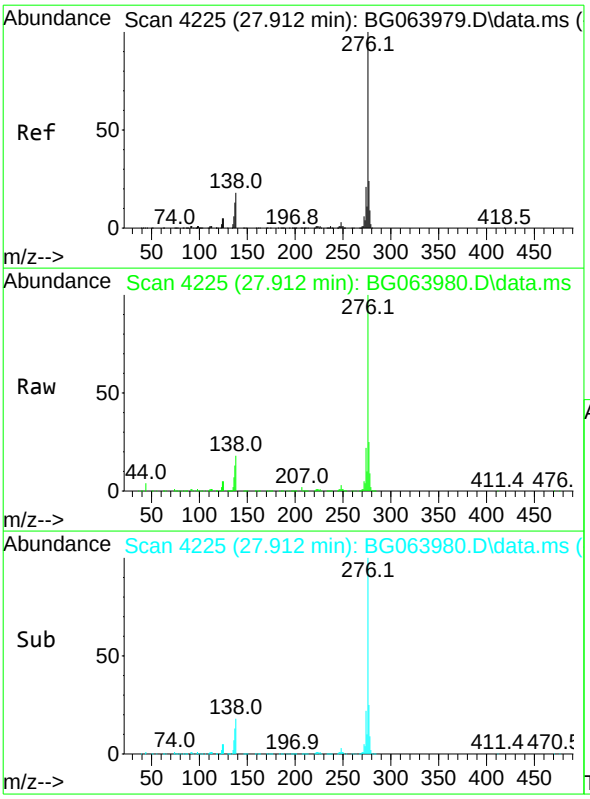


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.492 min Scan# 3643
Delta R.T. -0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:264 Resp: 435371

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	20.9	16.6	24.8



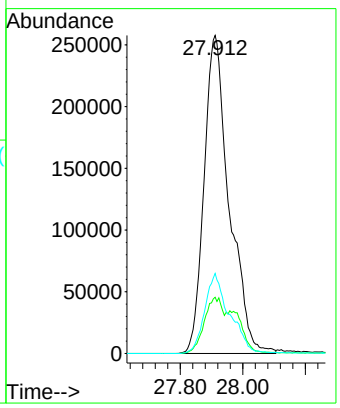


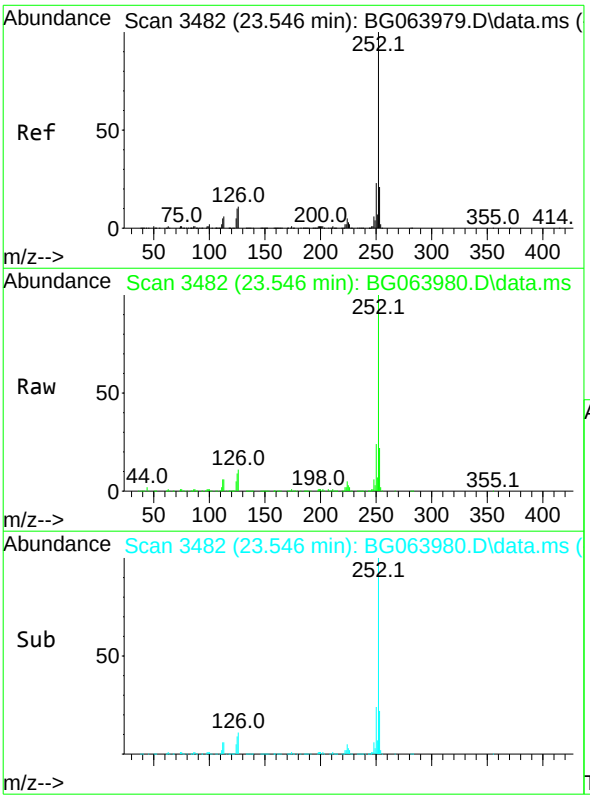
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.200 ng
RT: 27.912 min Scan# 42
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1438078

Ion	Ratio	Lower	Upper
276	100		
138	12.9	10.7	16.1
277	24.9	20.2	30.4

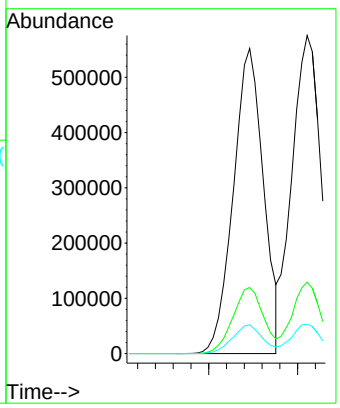


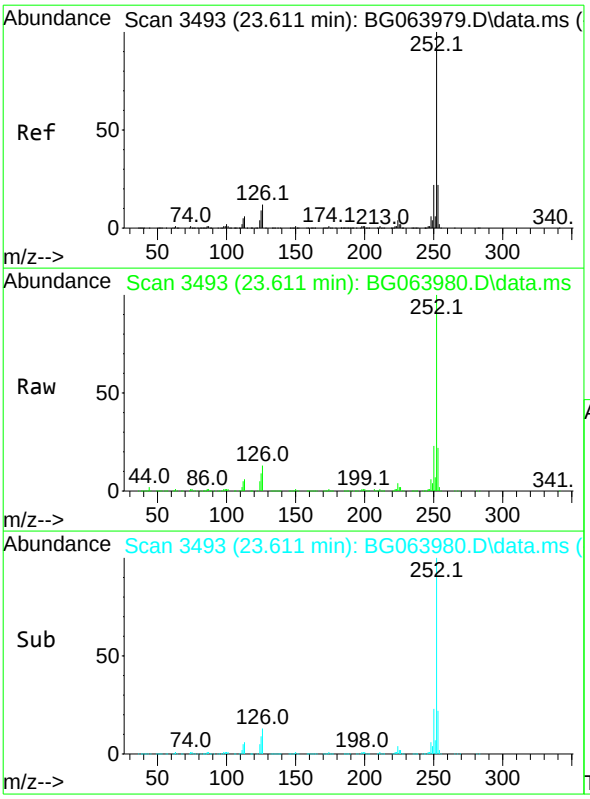


#88
Benzo(b)fluoranthene
Concen: 50.687 ng
RT: 23.546 min Scan# 3482
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:252 Resp: 1299451

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.9	25.3
125	9.5	7.9	11.9



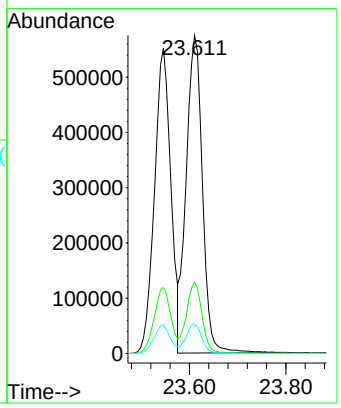


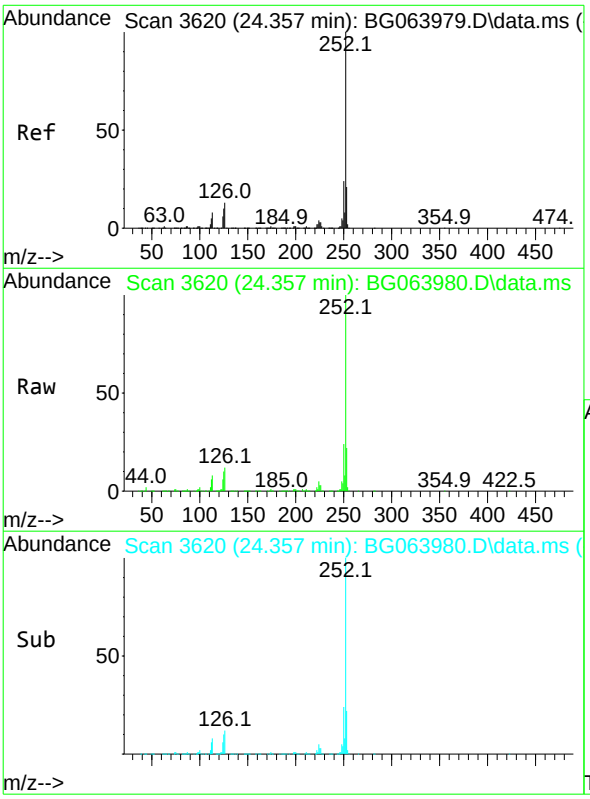
#89
Benzo(k)fluoranthene
Concen: 51.026 ng
RT: 23.611 min Scan# 34
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1343233

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.3	7.5	11.3

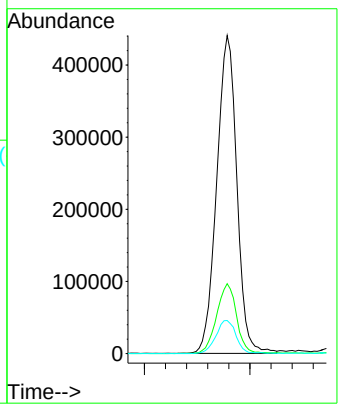


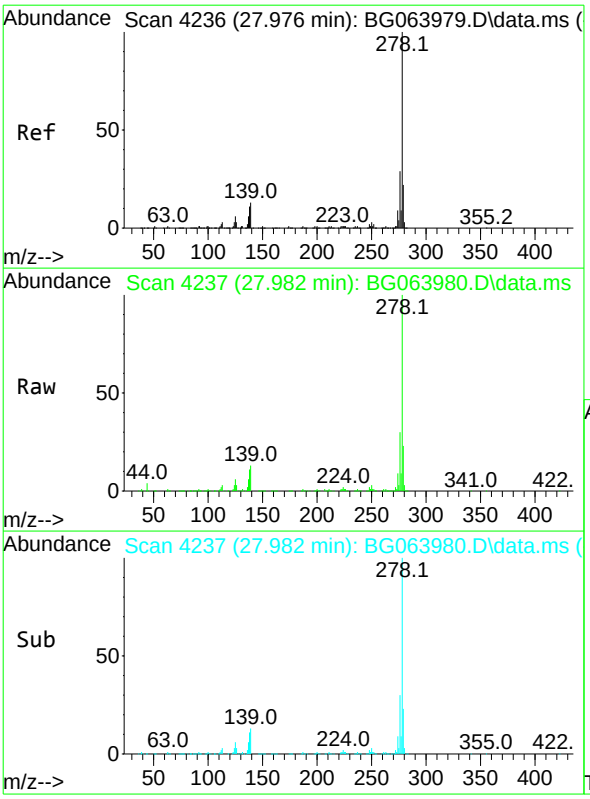


#90
Benzo(a)pyrene
Concen: 50.985 ng
RT: 24.357 min Scan# 3620
Delta R.T. -0.000 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:252 Resp: 1166716

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.4	7.9	11.9



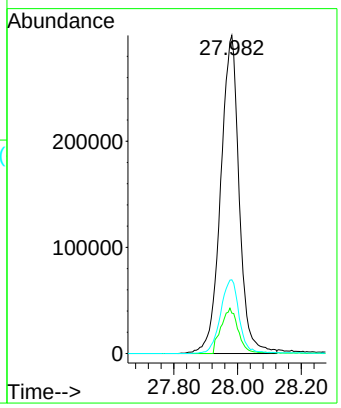


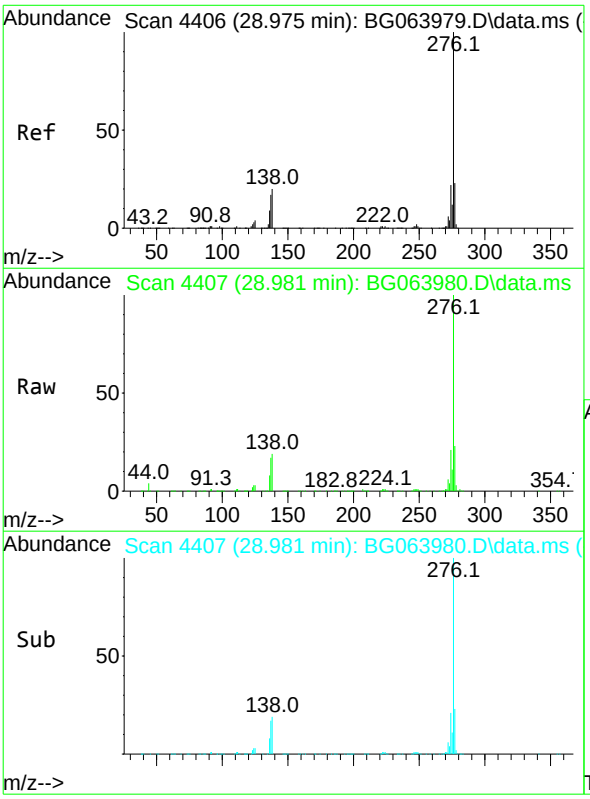
#91
Dibenzo(a,h)anthracene
Concen: 50.922 ng
RT: 27.982 min Scan# 42
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1207699

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.8	16.2
279	23.2	17.8	26.6

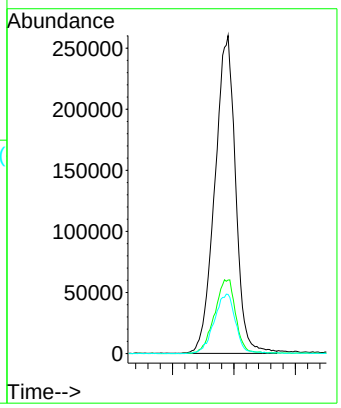




#92
Benzo(g,h,i)perylene
Concen: 50.992 ng
RT: 28.981 min Scan# 4407
Delta R.T. 0.006 min
Lab File: BG063980.D
Acq: 3 Feb 2025 14:26

Tgt Ion:276 Resp: 1220878

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.2	27.4
138	18.6	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063981.D
Acq On : 3 Feb 2025 15:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Quant Time: Feb 04 02:47:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.877	152	58908	20.000	ng		0.00
21) Naphthalene-d8	10.667	136	253178	20.000	ng		0.00
39) Acenaphthene-d10	14.498	164	176231	20.000	ng		0.00
64) Phenanthrene-d10	17.236	188	408653	20.000	ng		0.00
76) Chrysene-d12	21.472	240	437619	20.000	ng		0.00
86) Perylene-d12	24.498	264	454744	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.462	112	466226	126.894	ng		0.00
7) Phenol-d6	7.042	99	631512	125.248	ng		0.00
23) Nitrobenzene-d5	9.028	82	573748	137.728	ng		0.00
42) 2,4,6-Tribromophenol	15.985	330	252237	124.602	ng		0.00
45) 2-Fluorobiphenyl	13.129	172	1365469	118.713	ng		0.00
79) Terphenyl-d14	19.862	244	2428035	115.874	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.388	88	102460	58.719	ng		98
3) Pyridine	3.775	79	284087m	60.268	ng		
4) n-Nitrosodimethylamine	3.693	42	162952	60.146	ng		100
6) Aniline	7.207	93	330887	61.238	ng		99
8) 2-Chlorophenol	7.442	128	243433	65.022	ng		97
9) Benzaldehyde	7.019	77	152908	55.551	ng		94
10) Phenol	7.066	94	332668	62.678	ng		97
11) bis(2-Chloroethyl)ether	7.307	93	257301	60.203	ng		97
12) 1,3-Dichlorobenzene	7.765	146	257960	57.903	ng		99
13) 1,4-Dichlorobenzene	7.912	146	268019	59.570	ng		99
14) 1,2-Dichlorobenzene	8.229	146	261616	60.667	ng		99
15) Benzyl Alcohol	8.112	79	241398	64.053	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.405	45	522250	60.683	ng		99
17) 2-Methylphenol	8.311	107	217149	63.260	ng		92
18) Hexachloroethane	8.958	117	93570	63.192	ng		98
19) n-Nitroso-di-n-propyla...	8.687	70	220672	63.199	ng		99
20) 3+4-Methylphenols	8.640	107	295217	64.554	ng		99
22) Acetophenone	8.693	105	424384	61.008	ng	#	99
24) Nitrobenzene	9.069	77	299793	61.121	ng		99
25) Isophorone	9.592	82	568605	62.964	ng		99
26) 2-Nitrophenol	9.780	139	79901	60.172	ng		96
27) 2,4-Dimethylphenol	9.839	122	171354	65.963	ng		95
28) bis(2-Chloroethoxy)met...	10.080	93	356912	62.112	ng		98
29) 2,4-Dichlorophenol	10.309	162	222386	60.120	ng		98
30) 1,2,4-Trichlorobenzene	10.526	180	260020	60.927	ng		96
31) Naphthalene	10.714	128	822262	60.577	ng		100
32) Benzoic acid	9.998	122	123041m	60.752	ng		
33) 4-Chloroaniline	10.820	127	327791	63.028	ng		98
34) Hexachlorobutadiene	11.008	225	168124	61.860	ng		98
35) Caprolactam	11.596	113	88211	64.356	ng	#	87
36) 4-Chloro-3-methylphenol	11.942	107	280867	67.549	ng		96
37) 2-Methylnaphthalene	12.324	142	576152	60.910	ng		97
38) 1-Methylnaphthalene	12.542	142	568117	60.700	ng		98
40) 1,2,4,5-Tetrachloroben...	12.694	216	312480	60.128	ng		99
41) Hexachlorocyclopentadiene	12.677	237	94660	67.515	ng		97
43) 2,4,6-Trichlorophenol	12.929	196	189998	60.744	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063981.D
Acq On : 3 Feb 2025 15:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Quant Time: Feb 04 02:47:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.000	196	210399	60.147	ng	99
46) 1,1'-Biphenyl	13.335	154	802583	59.815	ng	99
47) 2-Chloronaphthalene	13.376	162	593051	60.641	ng	99
48) 2-Nitroaniline	13.570	65	182283	62.611	ng	97
49) Acenaphthylene	14.222	152	930841	61.278	ng	98
50) Dimethylphthalate	13.964	163	783436	67.047	ng	100
51) 2,6-Dinitrotoluene	14.075	165	152056	63.145	ng	94
52) Acenaphthene	14.563	154	632929	62.116	ng	99
53) 3-Nitroaniline	14.398	138	167231	62.722	ng	97
54) 2,4-Dinitrophenol	14.598	184	39871	62.434	ng	92
55) Dibenzofuran	14.898	168	1003321	60.642	ng	99
56) 4-Nitrophenol	14.704	139	136955	62.644	ng	96
57) 2,4-Dinitrotoluene	14.857	165	201113	63.391	ng	96
58) Fluorene	15.550	166	779617	60.965	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.121	232	211433	62.032	ng	99
60) Diethylphthalate	15.332	149	855011	69.016	ng	99
61) 4-Chlorophenyl-phenyle...	15.544	204	383040	59.698	ng	99
62) 4-Nitroaniline	15.562	138	182391	64.513	ng	100
63) Azobenzene	15.838	77	907582	62.025	ng	98
65) 4,6-Dinitro-2-methylph...	15.620	198	72237	61.552	ng	98
66) n-Nitrosodiphenylamine	15.756	169	684639	60.425	ng	99
67) 4-Bromophenyl-phenylether	16.437	248	251976	61.948	ng	97
68) Hexachlorobenzene	16.549	284	288527	60.335	ng	97
69) Atrazine	16.707	200	249333	66.127	ng	99
70) Pentachlorophenol	16.889	266	185974	61.748	ng	93
71) Phenanthrene	17.283	178	1282139	59.736	ng	99
72) Anthracene	17.371	178	1299536	60.509	ng	100
73) Carbazole	17.636	167	1218549	60.610	ng	98
74) Di-n-butylphthalate	18.217	149	1478726	70.560	ng	100
75) Fluoranthene	19.293	202	1569777	60.062	ng	98
77) Benzidine	19.475	184	564174	60.541	ng	97
78) Pyrene	19.651	202	1634287	60.492	ng	99
80) Butylbenzylphthalate	20.556	149	597125	61.527	ng	99
81) Benzo(a)anthracene	21.455	228	1676709	60.346	ng	99
82) 3,3'-Dichlorobenzidine	21.378	252	577836	66.780	ng	98
83) Chrysene	21.519	228	1670874	60.428	ng	98
84) Bis(2-ethylhexyl)phtha...	21.396	149	941531	60.915	ng	98
85) Di-n-octyl phthalate	22.553	149	1552170	60.567	ng	98
87) Indeno(1,2,3-cd)pyrene	27.918	276	1863733	63.528	ng	98
88) Benzo(b)fluoranthene	23.546	252	1647154	61.512	ng	99
89) Benzo(k)fluoranthene	23.611	252	1697188	61.726	ng	99
90) Benzo(a)pyrene	24.357	252	1510463	63.195	ng	99
91) Dibenzo(a,h)anthracene	27.982	278	1565343	63.190	ng	96
92) Benzo(g,h,i)perylene	28.981	276	1565587	62.604	ng	98

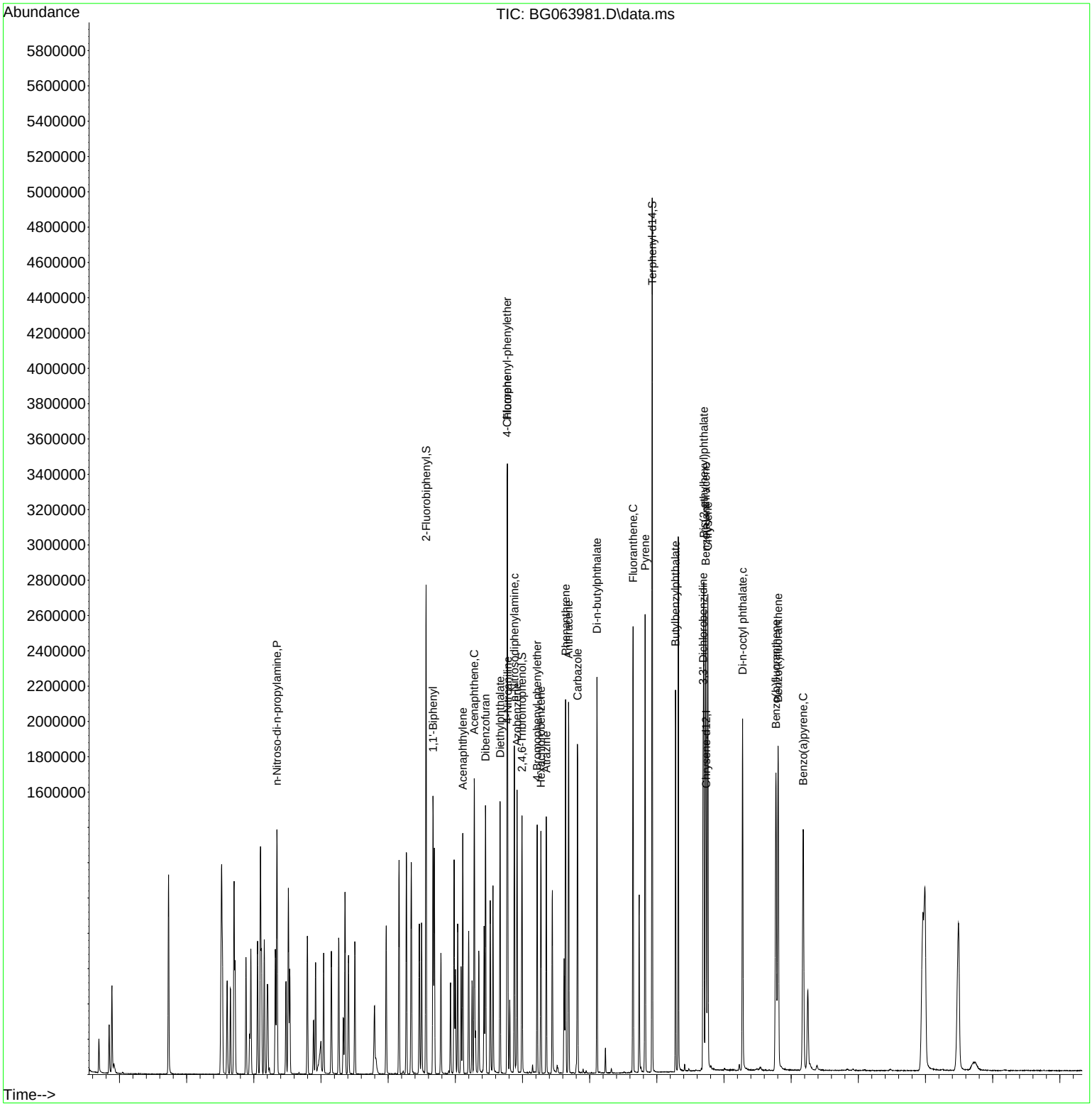
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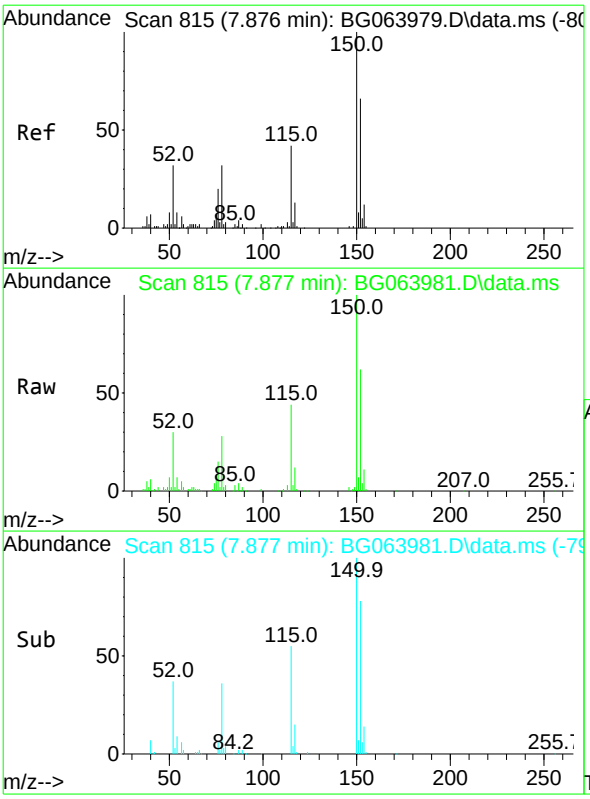
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063981.D
Acq On : 3 Feb 2025 15:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Quant Time: Feb 04 02:47:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration



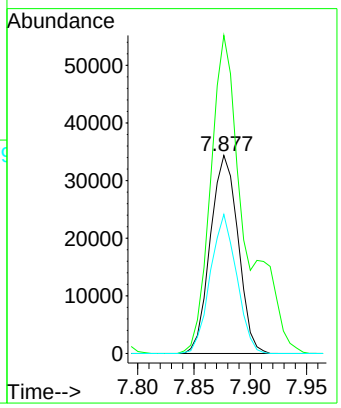


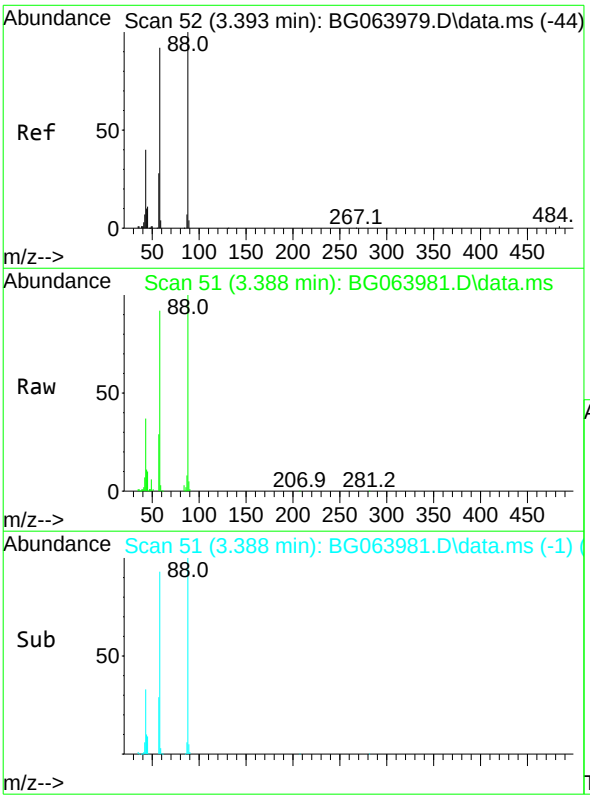
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.877 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 58908

Ion	Ratio	Lower	Upper
152	100		
150	160.6	121.0	181.6
115	70.2	50.4	75.6

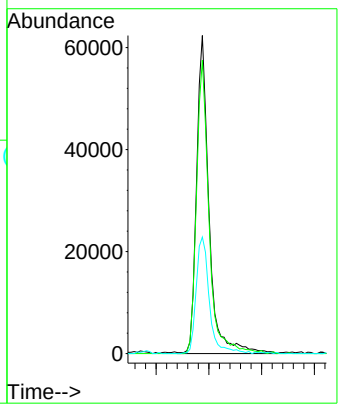


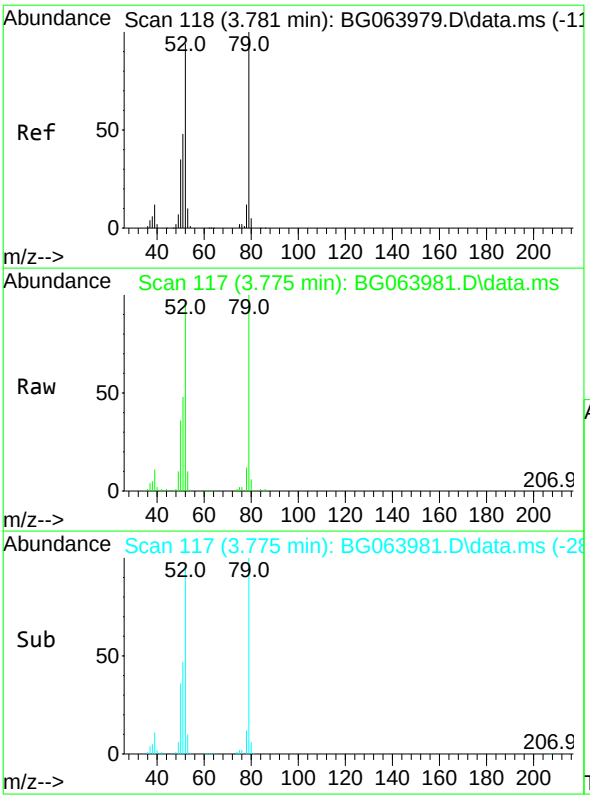


#2
1,4-Dioxane
Concen: 58.719 ng
RT: 3.388 min Scan# 51
Delta R.T. -0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 88 Resp: 102460

Ion	Ratio	Lower	Upper
88	100		
58	92.3	71.8	107.8
43	38.6	31.2	46.8



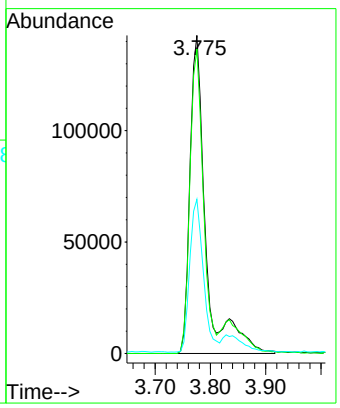


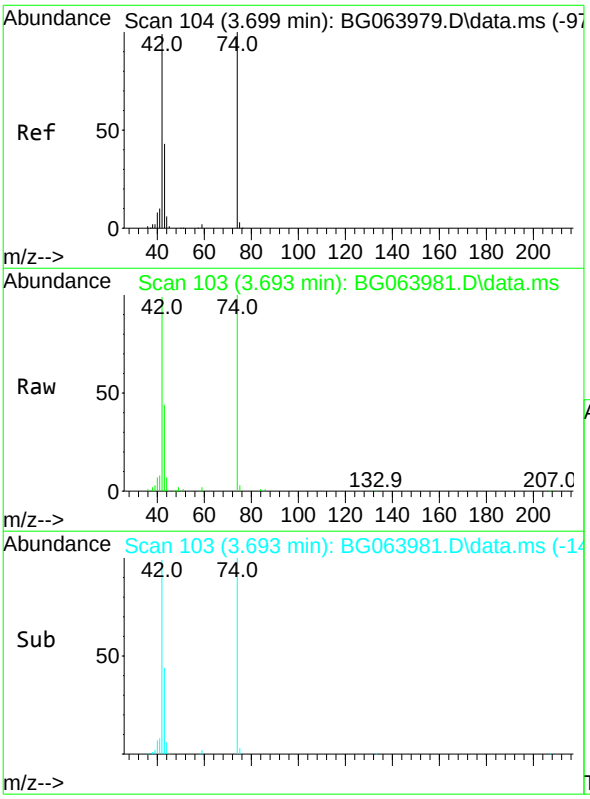
#3
Pyridine
Concen: 60.268 ng m
RT: 3.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 284087

Ion	Ratio	Lower	Upper
79	100		
52	95.7	75.1	112.7
51	48.5	38.9	58.3

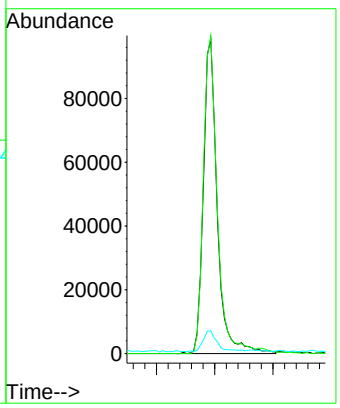


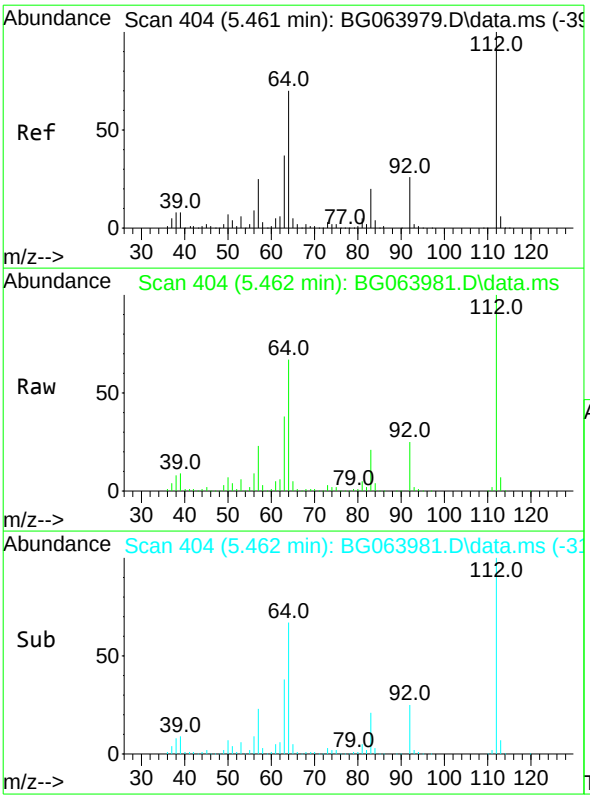


#4
n-Nitrosodimethylamine
Concen: 60.146 ng
RT: 3.693 min Scan# 103
Delta R.T. -0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 42 Resp: 162952

Ion	Ratio	Lower	Upper
42	100		
74	101.2	80.8	121.2
44	7.2	5.8	8.6



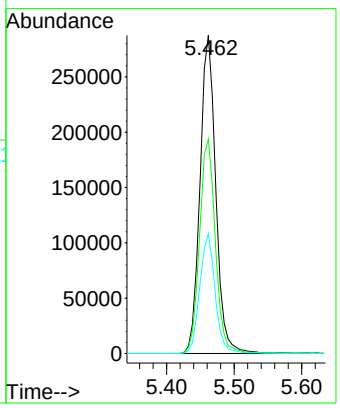


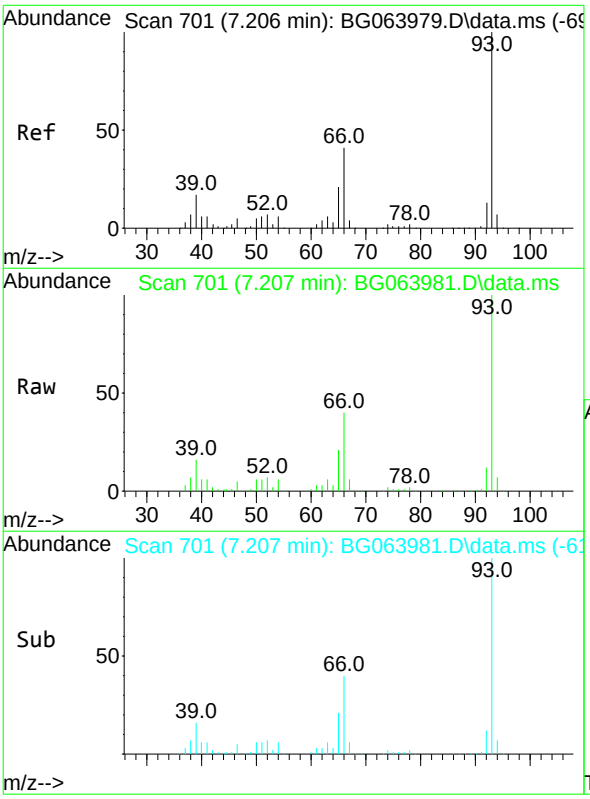
#5
2-Fluorophenol
Concen: 126.894 ng
RT: 5.462 min Scan# 40
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 466226

Ion	Ratio	Lower	Upper
112	100		
64	67.5	55.8	83.8
63	37.7	29.3	43.9

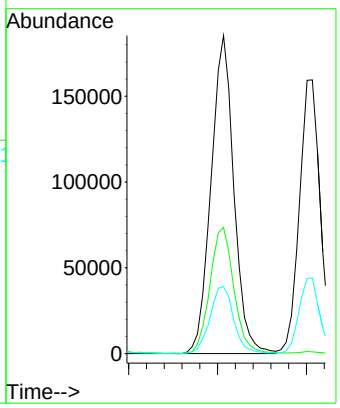


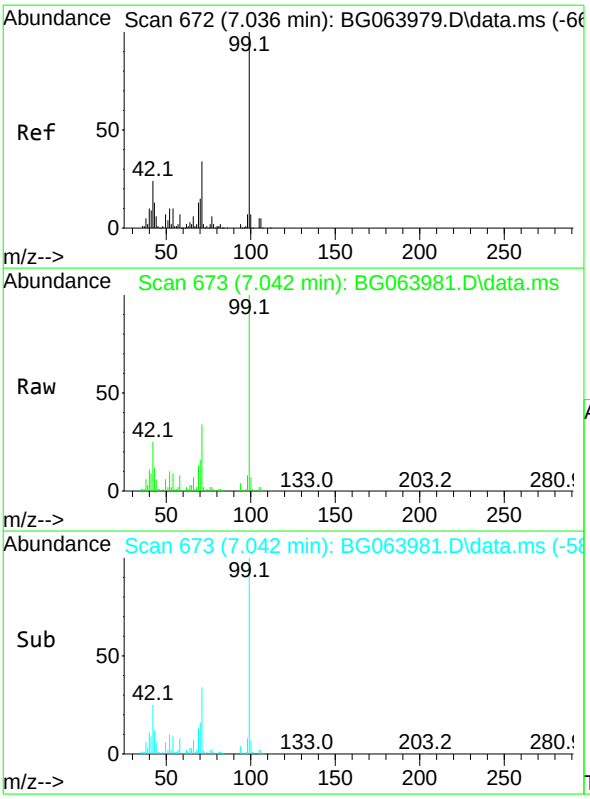


#6
Aniline
Concen: 61.238 ng
RT: 7.207 min Scan# 701
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 93 Resp: 330887

Ion	Ratio	Lower	Upper
93	100		
66	39.6	32.5	48.7
65	21.1	16.6	25.0



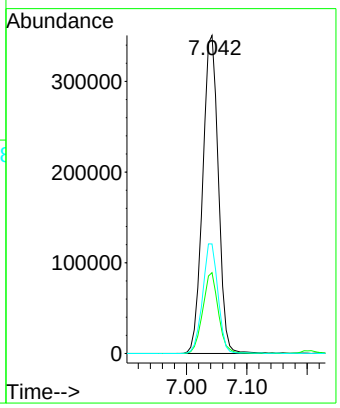


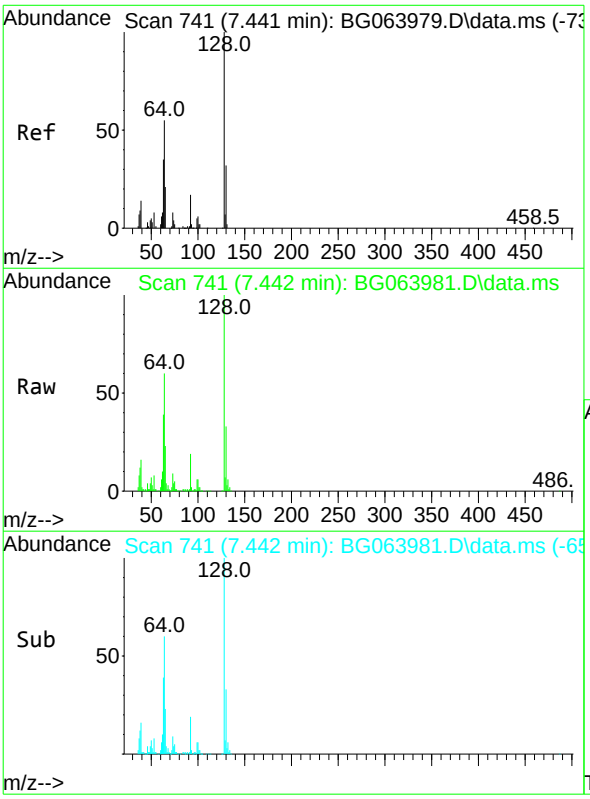
#7
Phenol-d6
Concen: 125.248 ng
RT: 7.042 min Scan# 67
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 631512

Ion	Ratio	Lower	Upper
99	100		
42	25.4	18.9	28.3
71	34.4	27.0	40.6

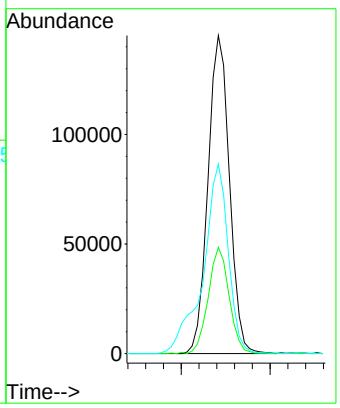


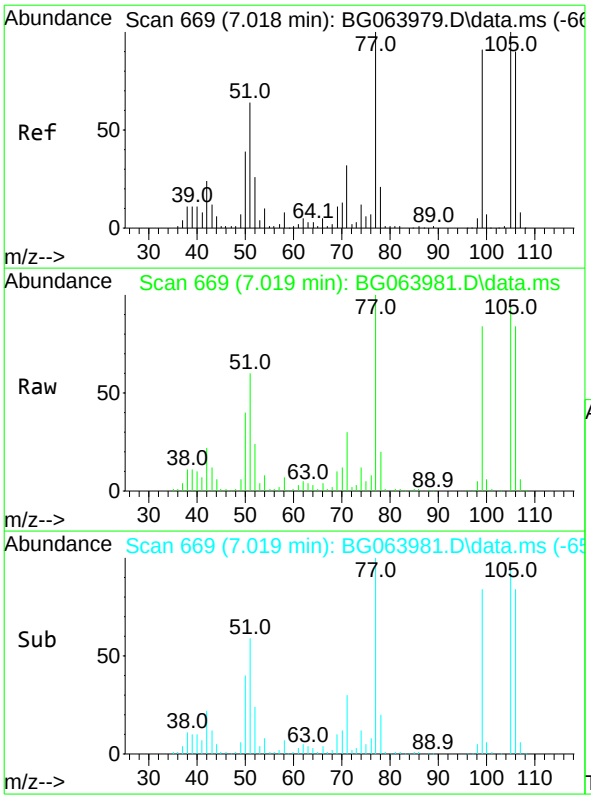


#8
2-Chlorophenol
Concen: 65.022 ng
RT: 7.442 min Scan# 741
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:128 Resp: 243433

Ion	Ratio	Lower	Upper
128	100		
130	33.4	11.9	51.9
64	59.6	36.8	76.8



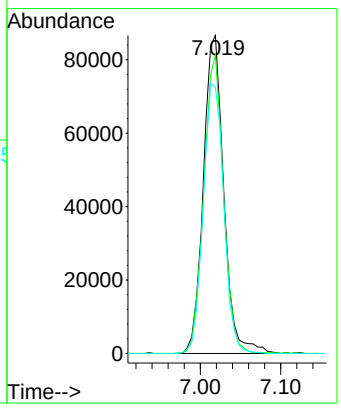


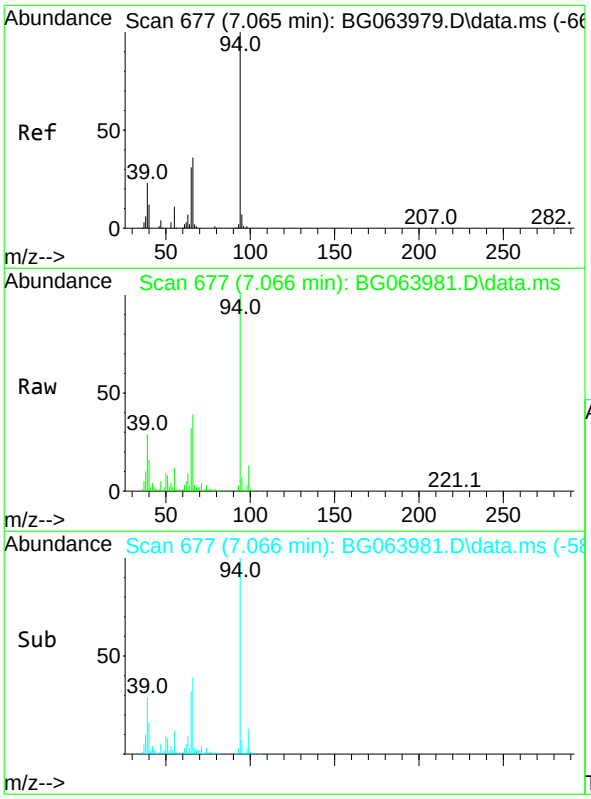
#9
Benzaldehyde
Concen: 55.551 ng
RT: 7.019 min Scan# 66
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 152908

Ion	Ratio	Lower	Upper
77	100		
105	93.9	79.8	119.8
106	83.8	69.9	109.9

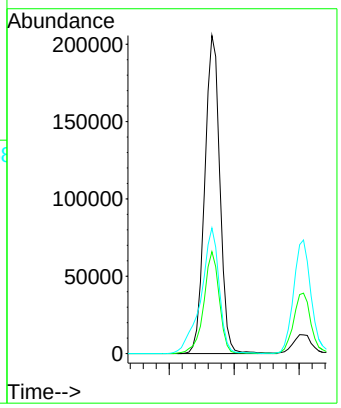


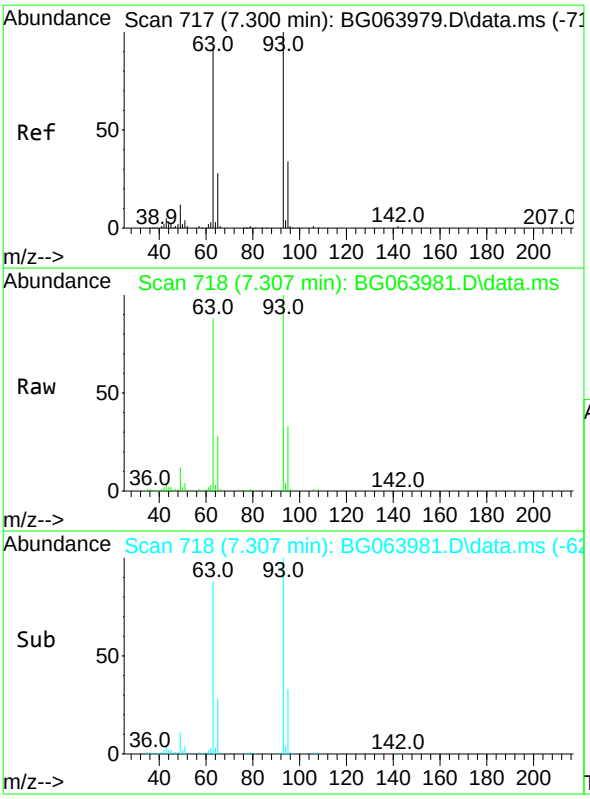


#10
Phenol
Concen: 62.678 ng
RT: 7.066 min Scan# 677
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 94 Resp: 332668

Ion	Ratio	Lower	Upper
94	100		
65	32.0	11.4	51.4
66	39.5	16.7	56.7



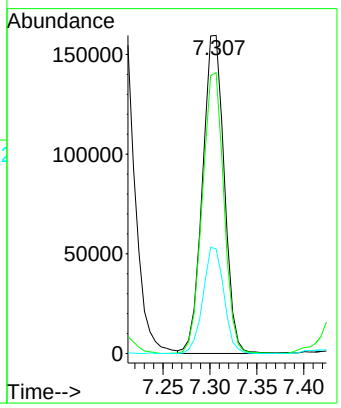


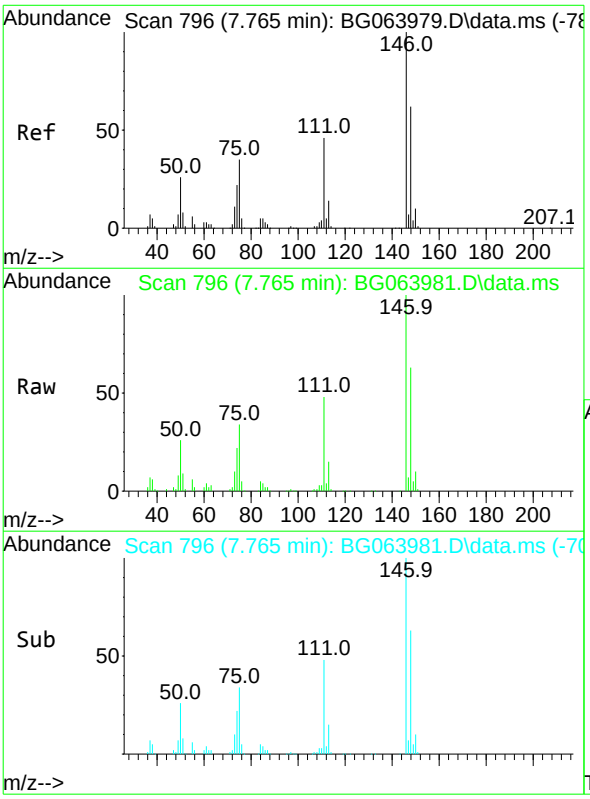
#11
bis(2-Chloroethyl)ether
Concen: 60.203 ng
RT: 7.307 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 257301

Ion	Ratio	Lower	Upper
93	100		
63	88.3	71.2	111.2
95	32.9	13.9	53.9

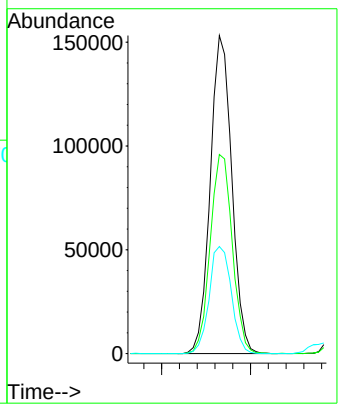


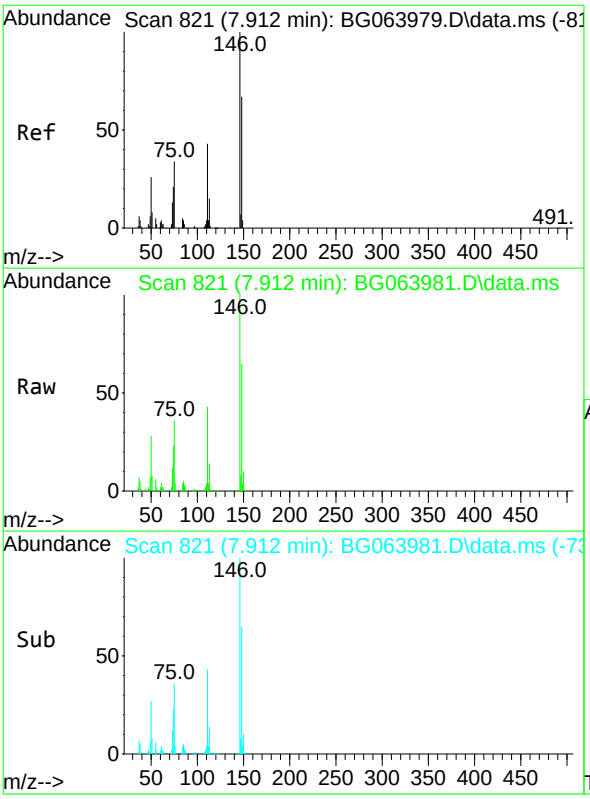


#12
1,3-Dichlorobenzene
Concen: 57.903 ng
RT: 7.765 min Scan# 796
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:146 Resp: 257960

Ion	Ratio	Lower	Upper
146	100		
148	62.6	49.6	74.4
75	33.7	27.8	41.8



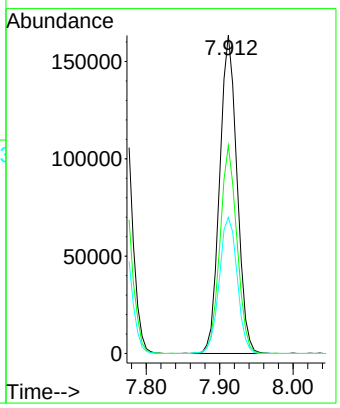


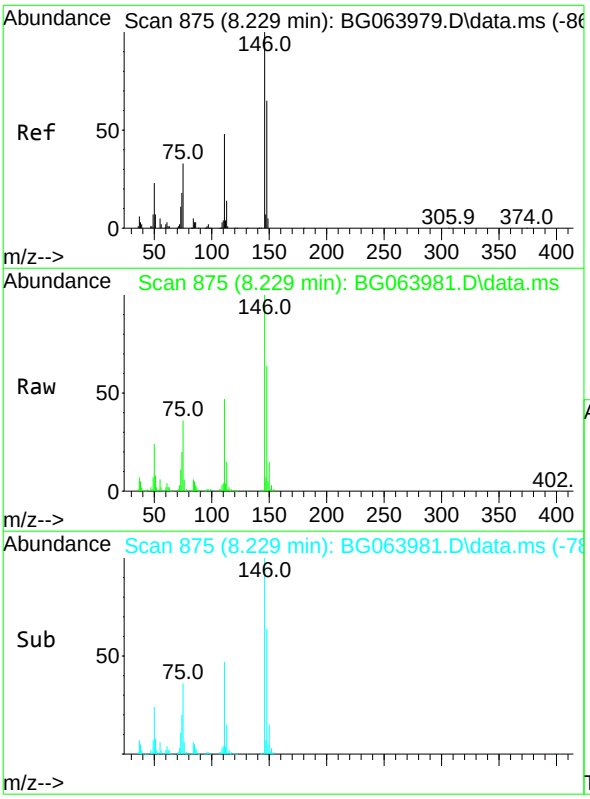
#13
1,4-Dichlorobenzene
Concen: 59.570 ng
RT: 7.912 min Scan# 82
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 268019

Ion	Ratio	Lower	Upper
146	100		
148	65.4	53.3	79.9
111	42.8	34.8	52.2

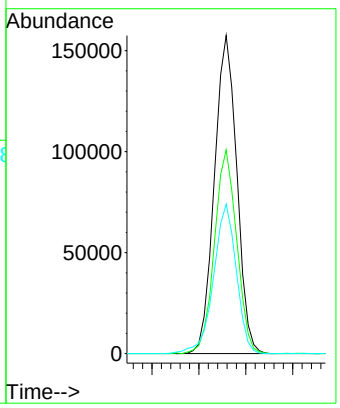


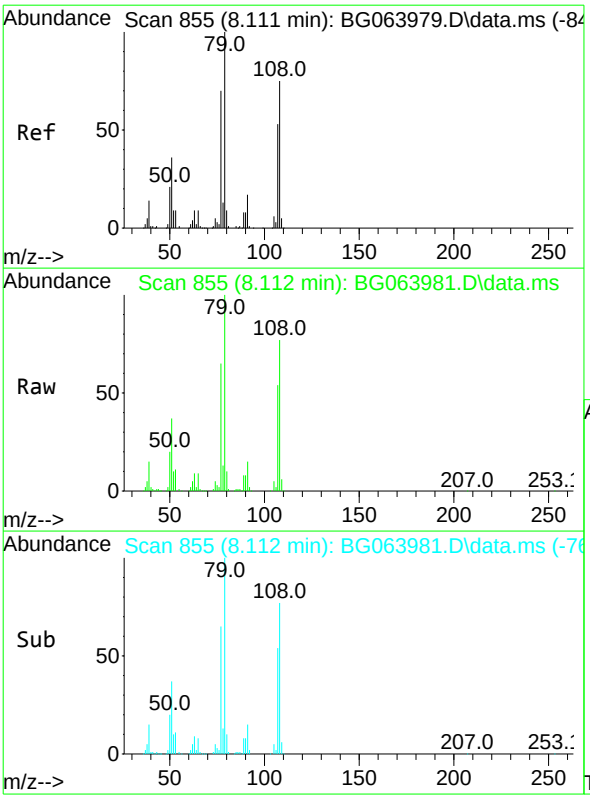


#14
1,2-Dichlorobenzene
Concen: 60.667 ng
RT: 8.229 min Scan# 875
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:146 Resp: 261616

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.0	78.0
111	47.0	38.2	57.2



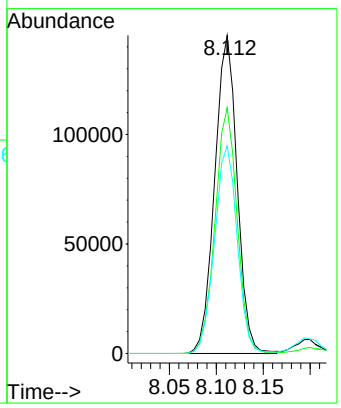


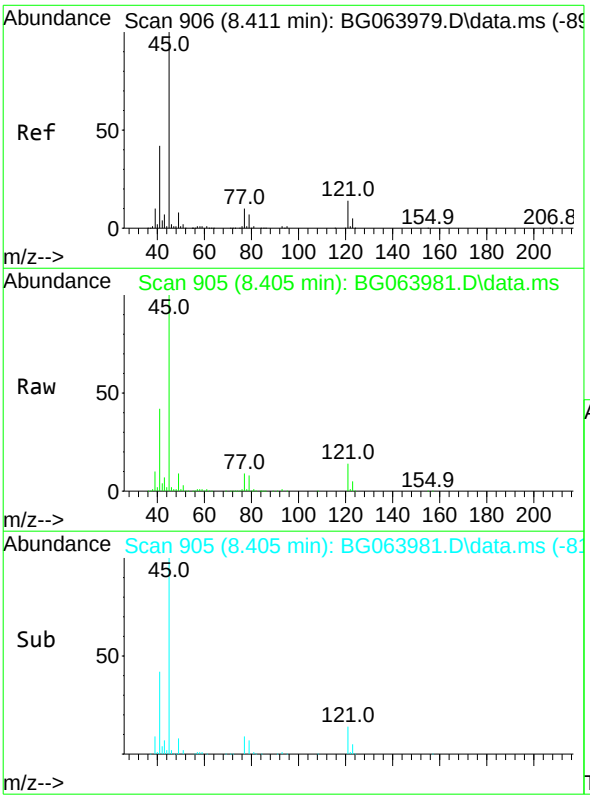
#15
Benzyl Alcohol
Concen: 64.053 ng
RT: 8.112 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 241398

Ion	Ratio	Lower	Upper
79	100		
108	77.2	60.3	90.5
77	65.3	55.8	83.8

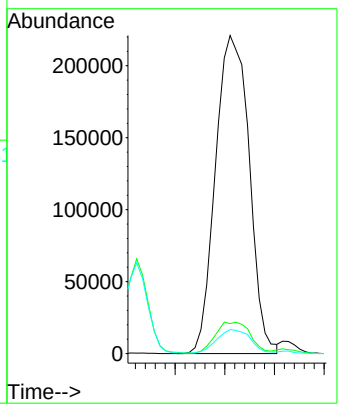


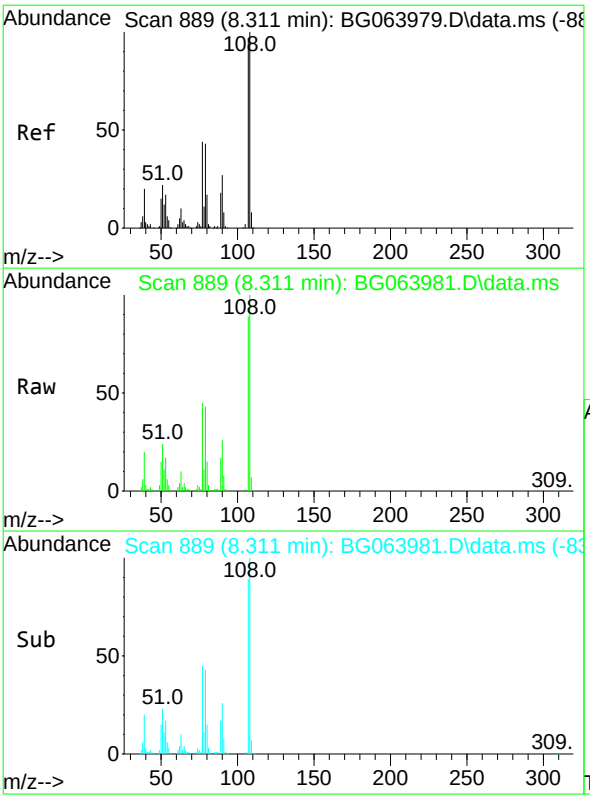


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.683 ng
RT: 8.405 min Scan# 905
Delta R.T. -0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 45 Resp: 522250

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	29.8
79	7.6	0.0	27.7



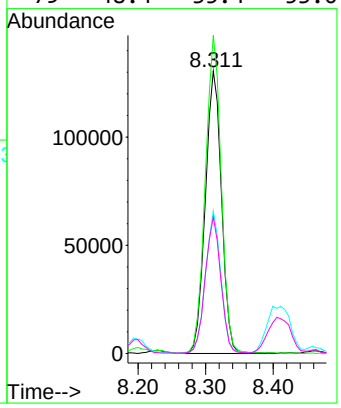


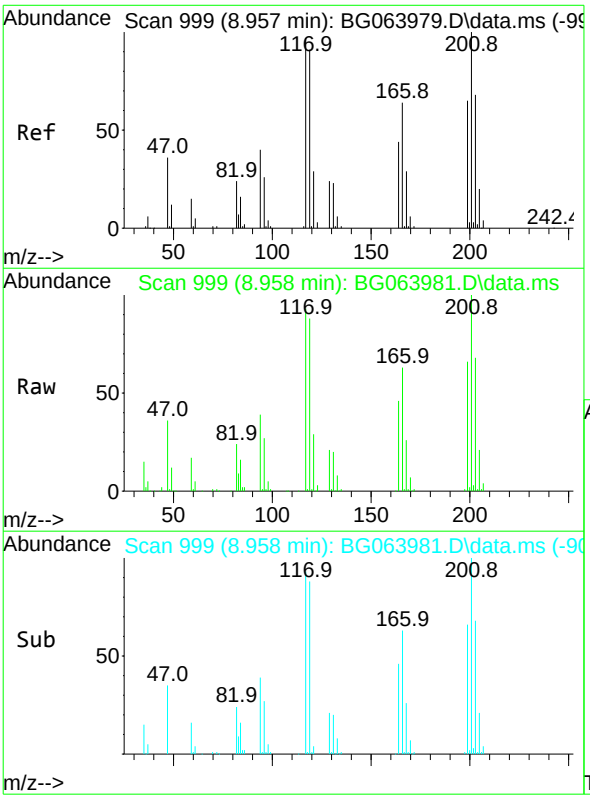
#17
2-Methylphenol
Concen: 63.260 ng
RT: 8.311 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 217149

Ion	Ratio	Lower	Upper
107	100		
108	112.6	82.9	124.3
77	50.5	36.4	54.6
79	48.4	35.4	53.0

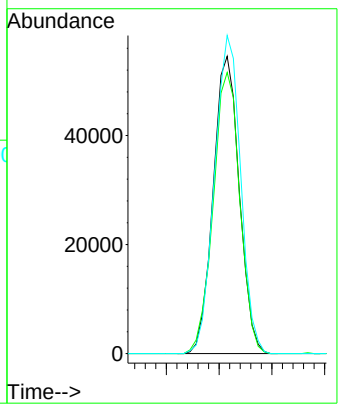


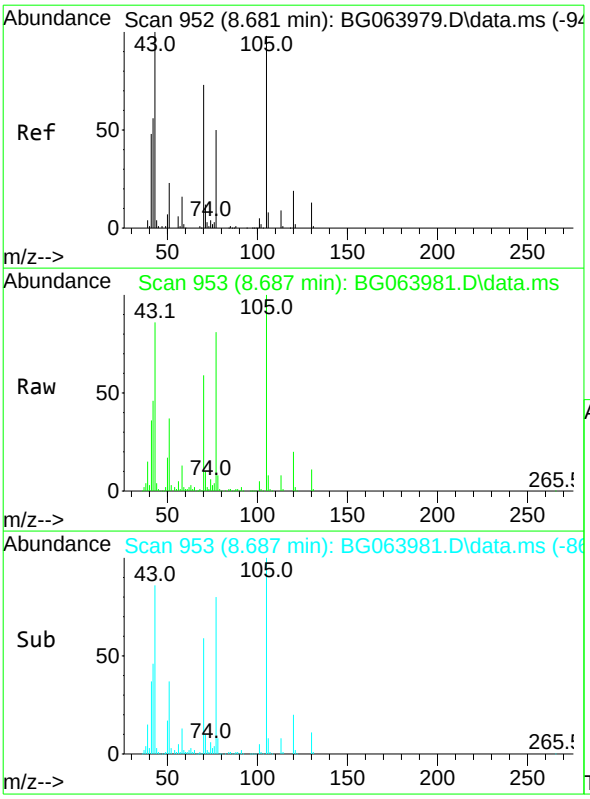


#18
Hexachloroethane
Concen: 63.192 ng
RT: 8.958 min Scan# 999
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:117 Resp: 93570

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.4	113.0
201	107.0	82.4	123.6



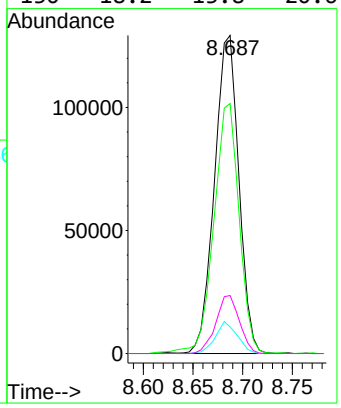


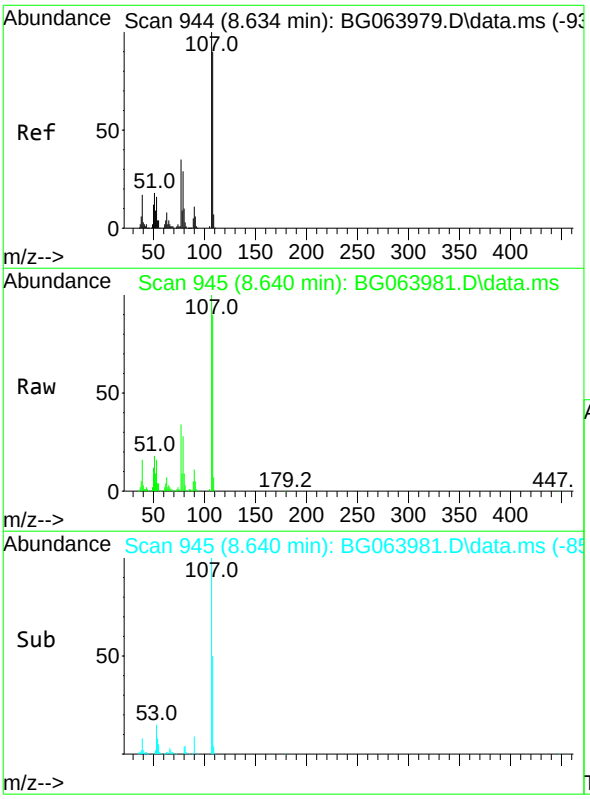
#19
n-Nitroso-di-n-propylamine
Concen: 63.199 ng
RT: 8.687 min Scan# 95
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 220672

Ion	Ratio	Lower	Upper
70	100		
42	78.6	62.2	93.4
101	8.4	5.6	8.4
130	18.2	13.8	20.6

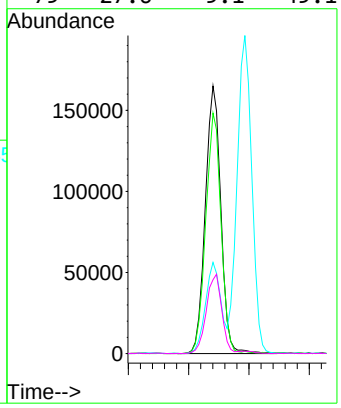


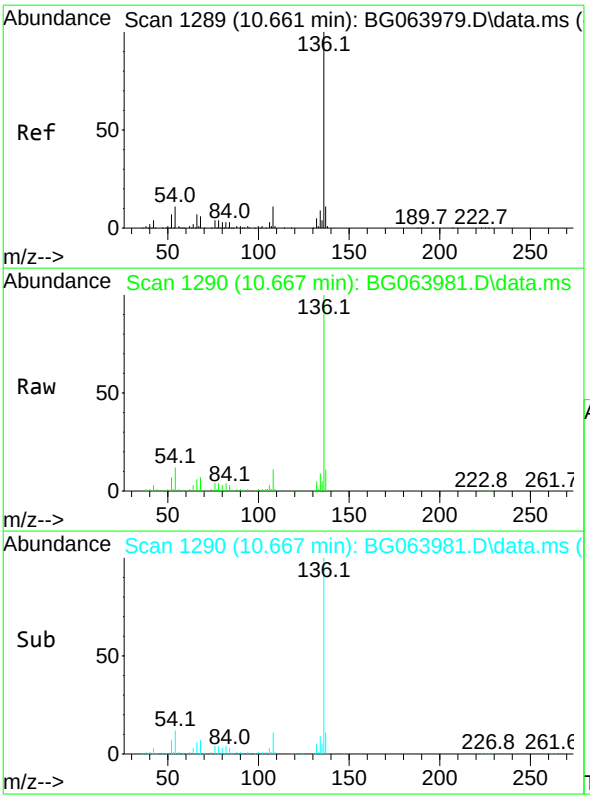


#20
3+4-Methylphenols
Concen: 64.554 ng
RT: 8.640 min Scan# 945
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:107 Resp: 295217

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.0	110.0
77	34.1	15.2	55.2
79	27.6	9.1	49.1



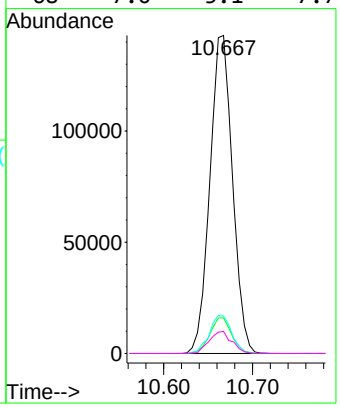


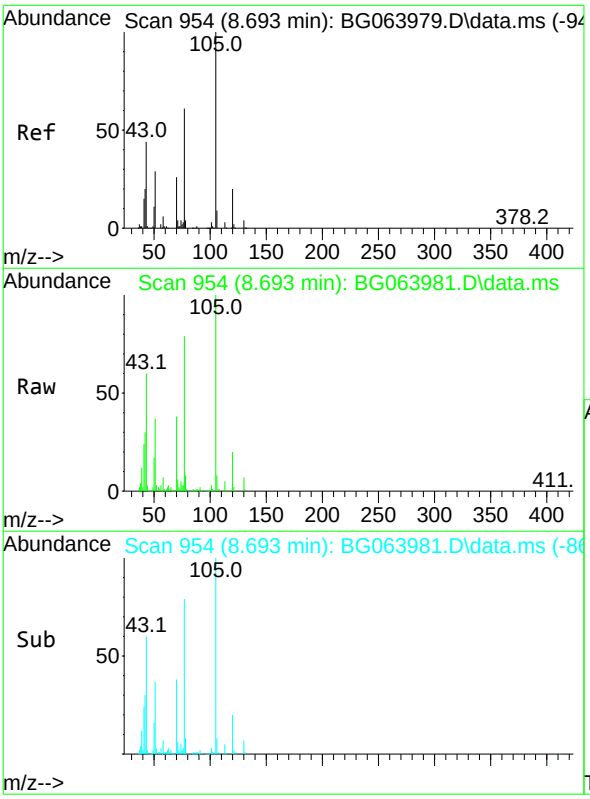
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.667 min Scan# 12
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 253178

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	11.8	9.2	13.8
68	7.0	5.1	7.7

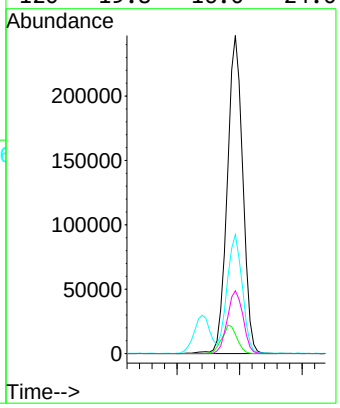


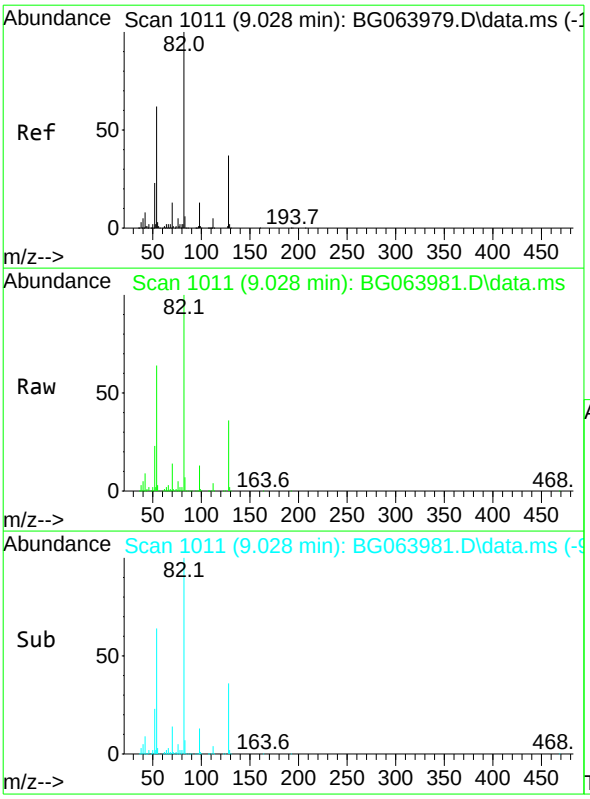


#22
Acetophenone
Concen: 61.008 ng
RT: 8.693 min Scan# 954
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:105 Resp: 424384

Ion	Ratio	Lower	Upper
105	100		
71	6.1	3.1	4.7#
51	37.5	29.9	44.9
120	19.8	16.0	24.0



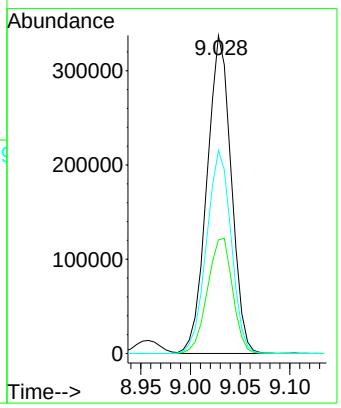


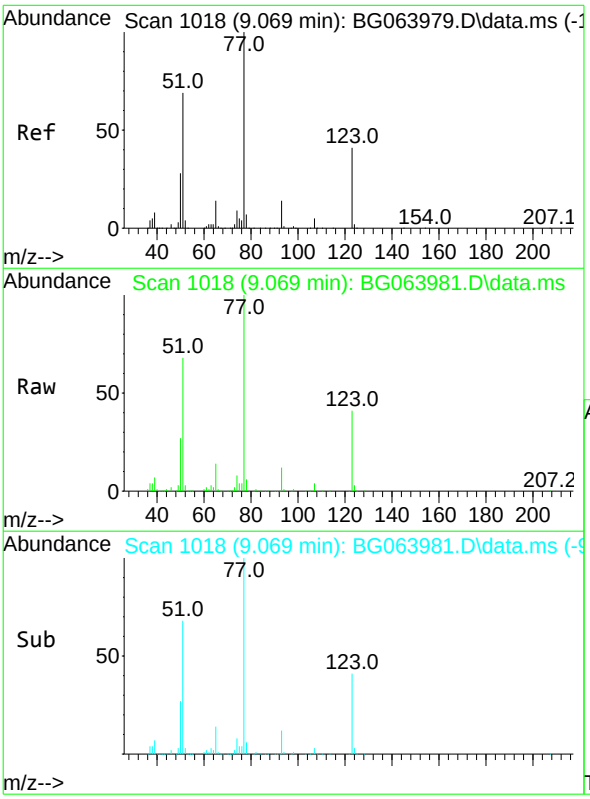
#23
Nitrobenzene-d5
Concen: 137.728 ng
RT: 9.028 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 573748

Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.4	44.2
54	63.9	49.9	74.9

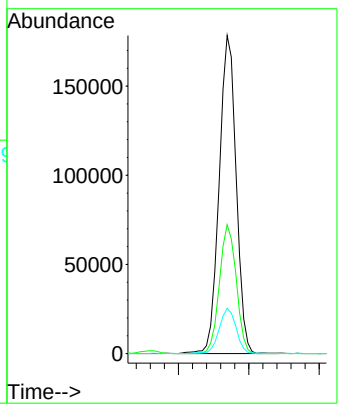


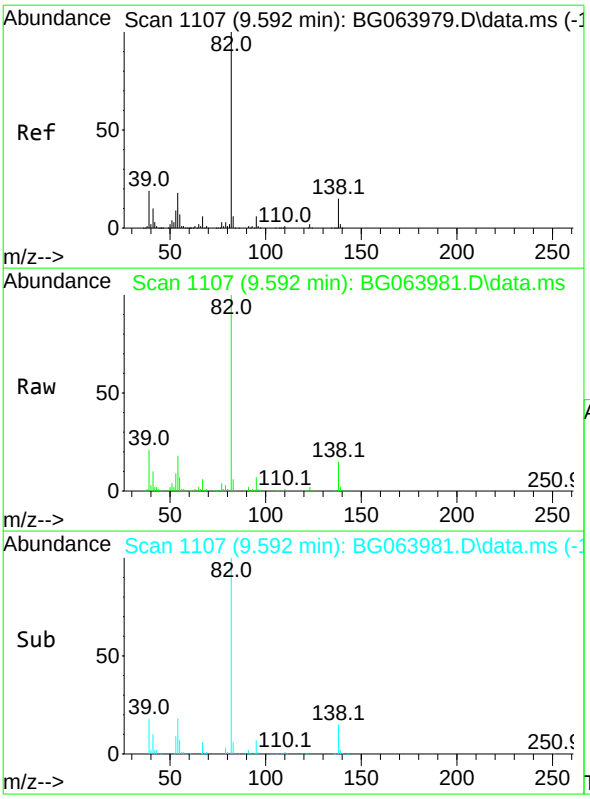


#24
Nitrobenzene
Concen: 61.121 ng
RT: 9.069 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 77 Resp: 299793

Ion	Ratio	Lower	Upper
77	100		
123	40.5	32.9	49.3
65	14.2	11.0	16.6



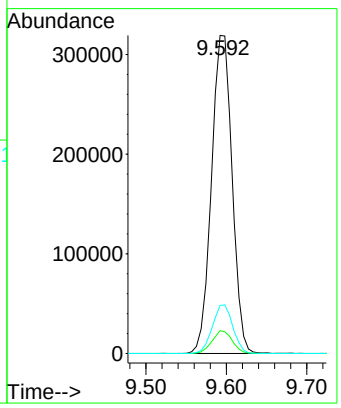


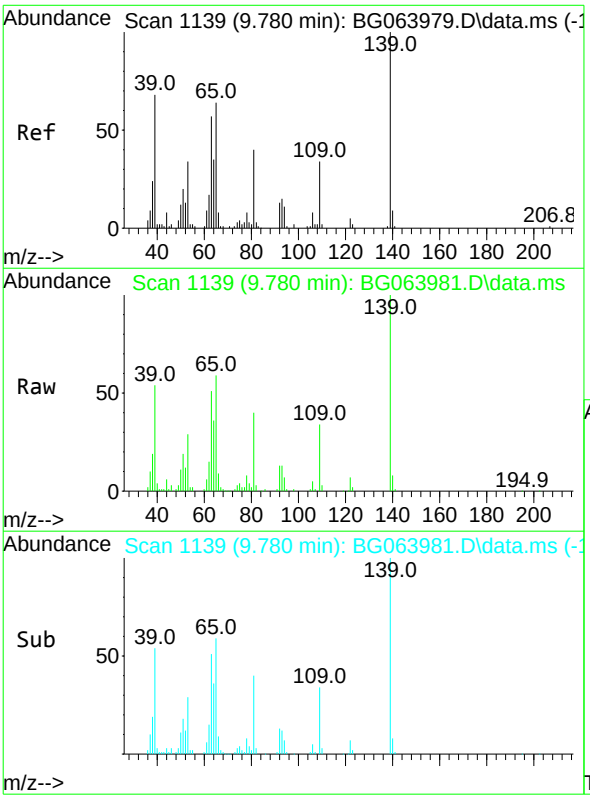
#25
Isophorone
Concen: 62.964 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 568605

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.0	7.4
138	15.1	12.2	18.4

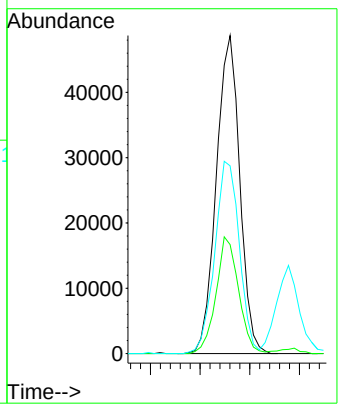


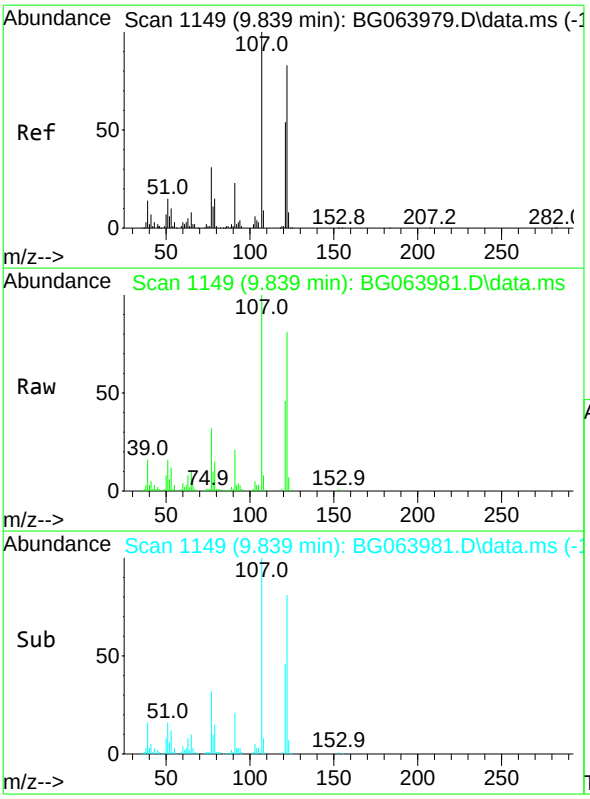


#26
2-Nitrophenol
Concen: 60.172 ng
RT: 9.780 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:139 Resp: 79901

Ion	Ratio	Lower	Upper
139	100		
109	34.3	27.1	40.7
65	59.0	51.0	76.6



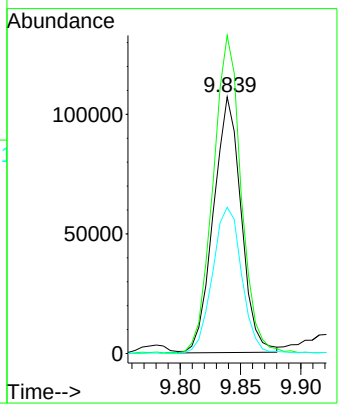


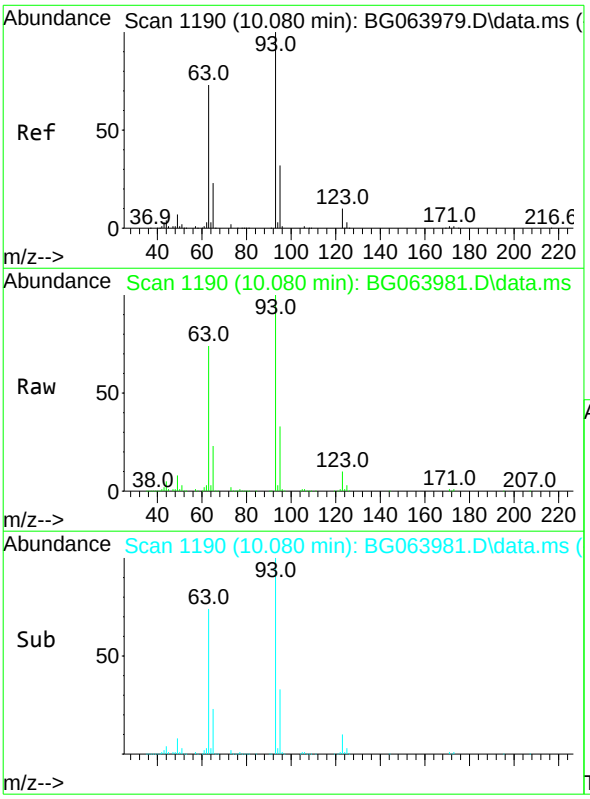
#27
2,4-Dimethylphenol
Concen: 65.963 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 171354

Ion	Ratio	Lower	Upper
122	100		
107	123.9	96.4	144.6
121	57.0	51.8	77.6

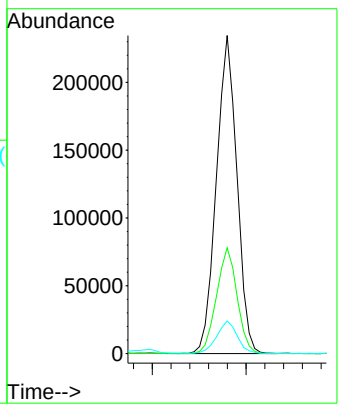


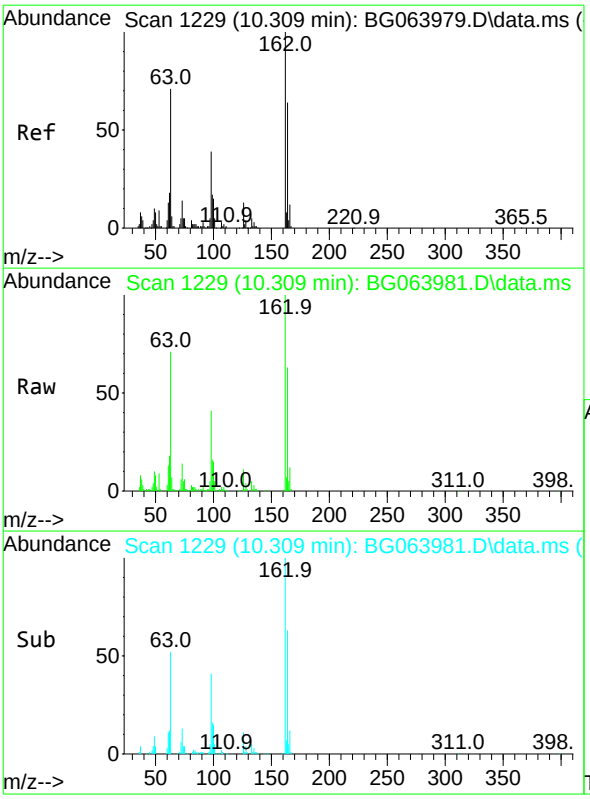


#28
bis(2-Chloroethoxy)methane
Concen: 62.112 ng
RT: 10.080 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 93 Resp: 356912

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.4	38.2
123	10.2	7.8	11.6



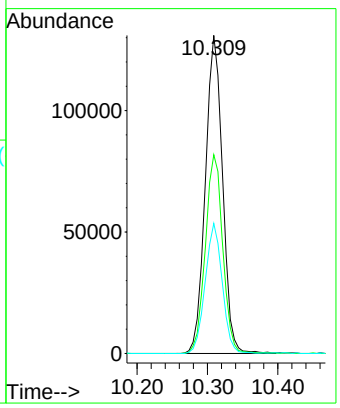


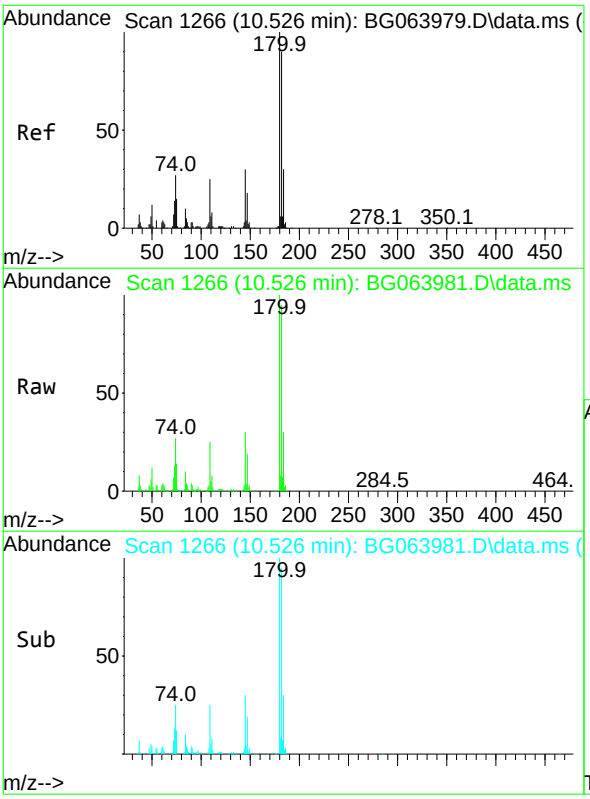
#29
2,4-Dichlorophenol
Concen: 60.120 ng
RT: 10.309 min Scan# 12
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 222386

Ion	Ratio	Lower	Upper
162	100		
164	62.5	43.6	83.6
98	40.9	18.6	58.6

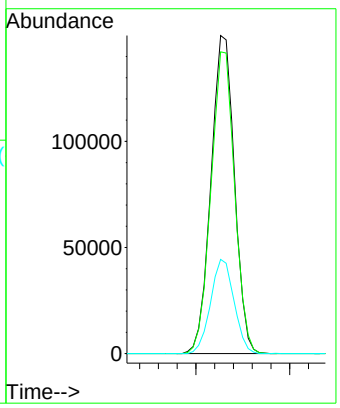


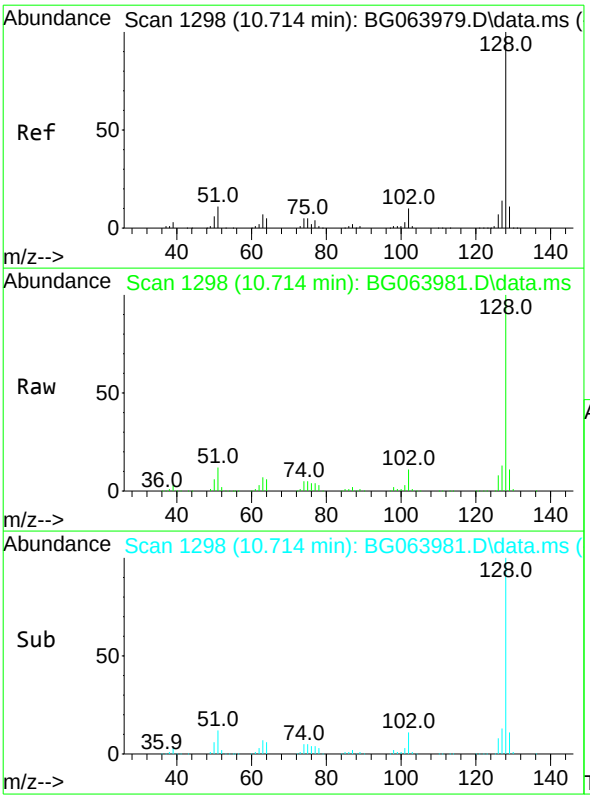


#30
1,2,4-Trichlorobenzene
Concen: 60.927 ng
RT: 10.526 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:180 Resp: 260020

Ion	Ratio	Lower	Upper
180	100		
182	94.9	72.3	108.5
145	29.6	23.8	35.8



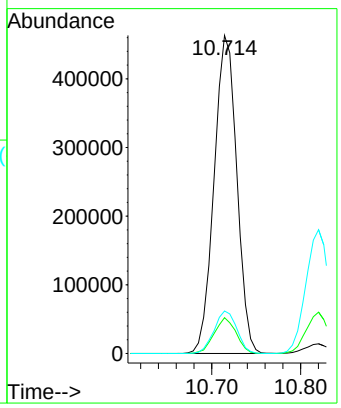


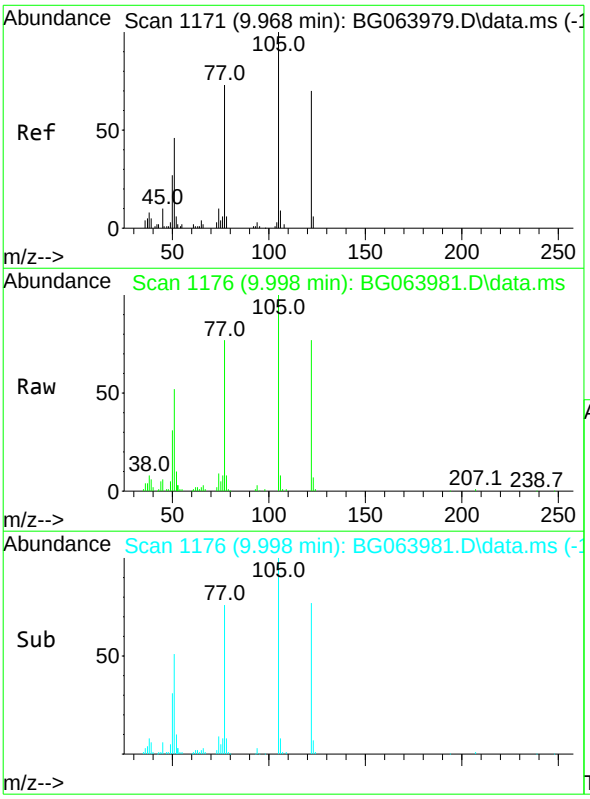
#31
Naphthalene
Concen: 60.577 ng
RT: 10.714 min Scan# 12
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 822262

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.4	10.8	16.2

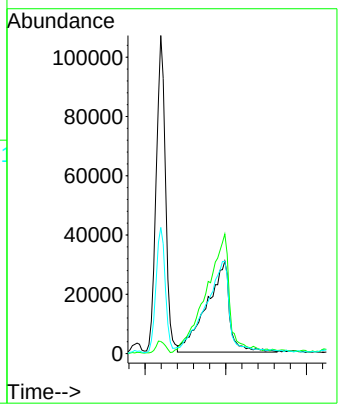


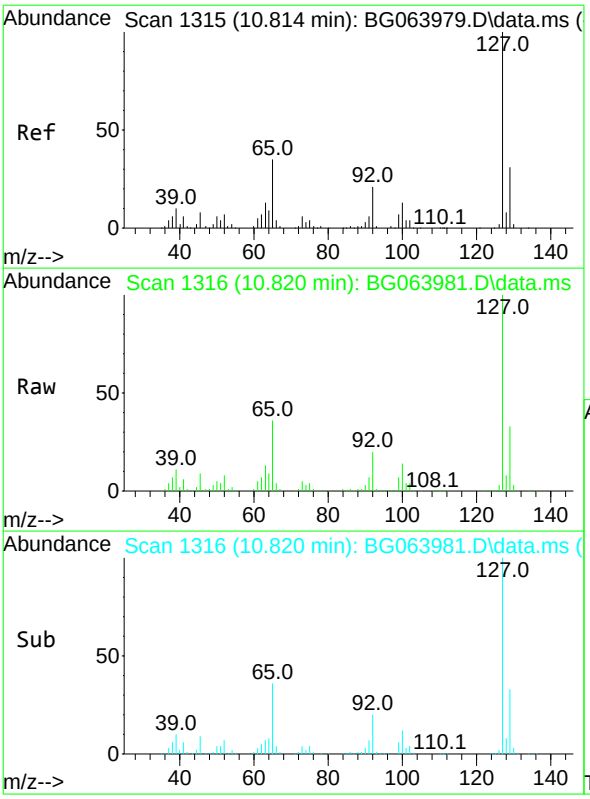


#32
Benzoic acid
Concen: 60.752 ng m
RT: 9.998 min Scan# 1176
Delta R.T. 0.030 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:122 Resp: 123041

Ion	Ratio	Lower	Upper
122	100		
105	129.4	117.9	157.9
77	99.8	83.9	123.9



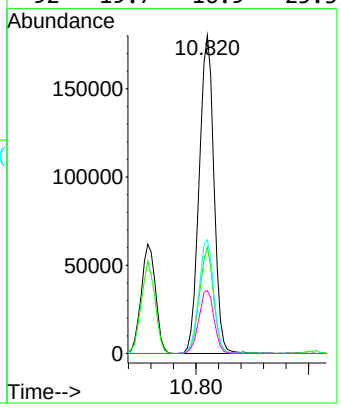


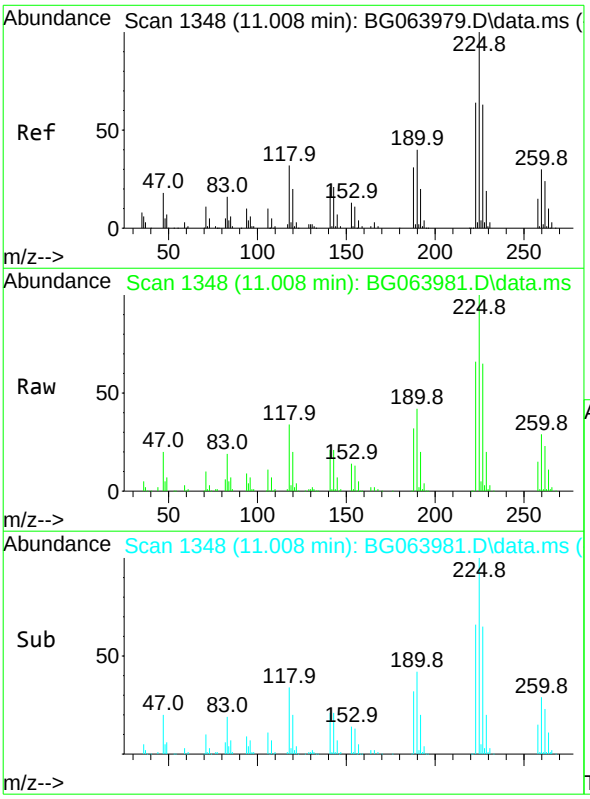
#33
4-Chloroaniline
Concen: 63.028 ng
RT: 10.820 min Scan# 13
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 327791

Ion	Ratio	Lower	Upper
127	100		
129	33.4	24.9	37.3
65	35.7	28.2	42.4
92	19.7	16.9	25.3

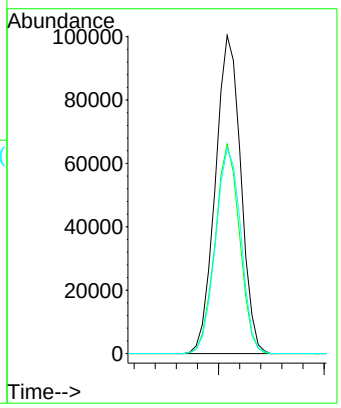


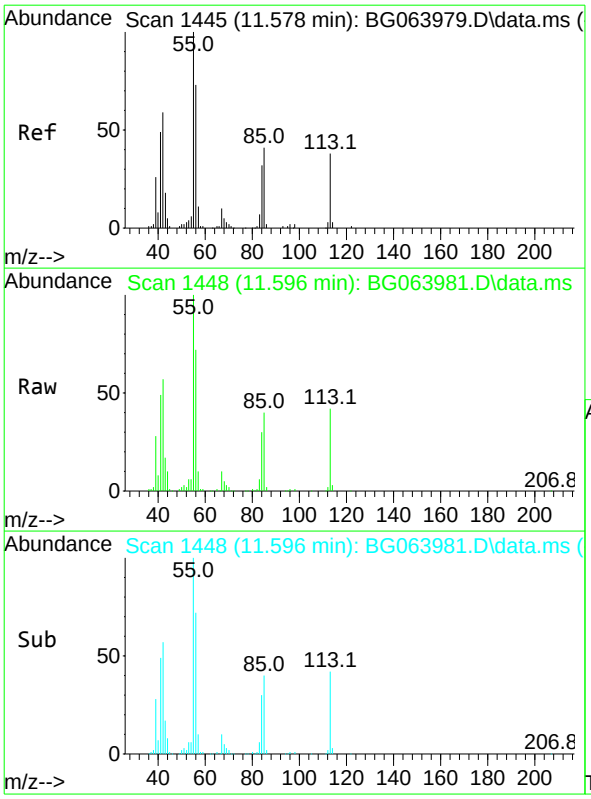


#34
Hexachlorobutadiene
Concen: 61.860 ng
RT: 11.008 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:225 Resp: 168124

Ion	Ratio	Lower	Upper
225	100		
223	65.8	51.0	76.6
227	64.5	50.3	75.5



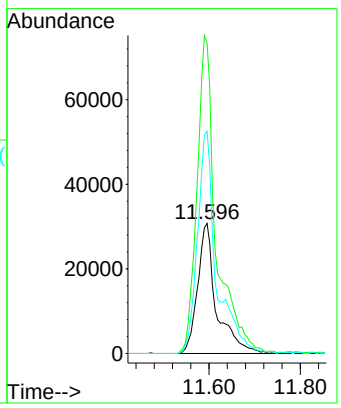


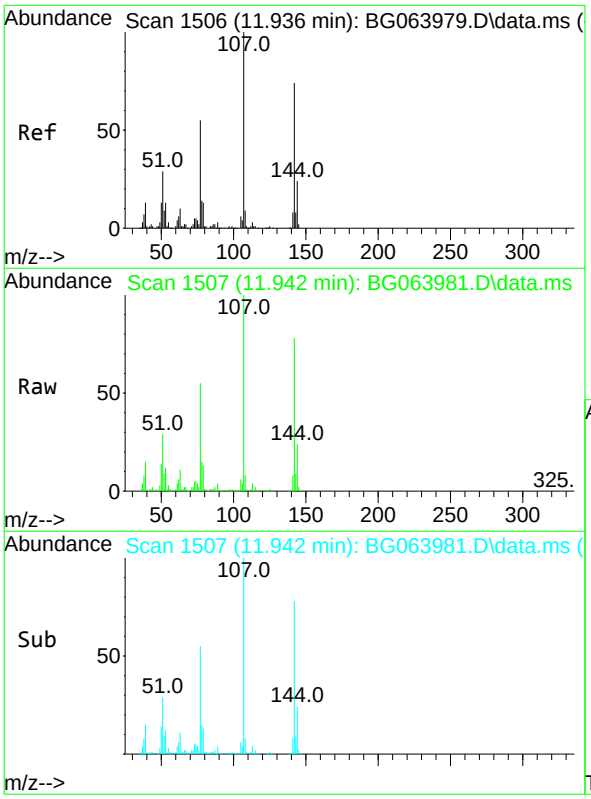
#35
Caprolactam
Concen: 64.356 ng
RT: 11.596 min Scan# 14
Delta R.T. 0.018 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 88211

Ion	Ratio	Lower	Upper
113	100		
55	238.8	241.8	281.8#
56	170.9	171.5	211.5#

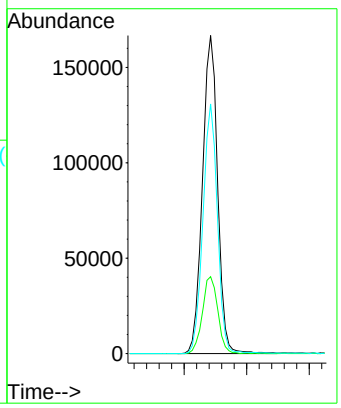


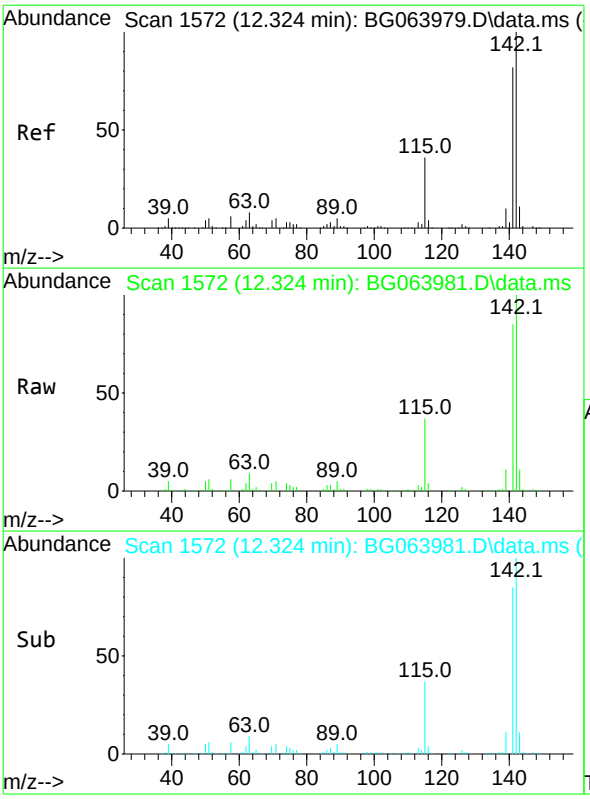


#36
4-Chloro-3-methylphenol
Concen: 67.549 ng
RT: 11.942 min Scan# 1507
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:107 Resp: 280867

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.2	28.8
142	78.5	58.9	88.3



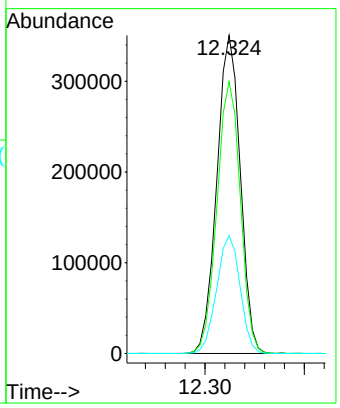


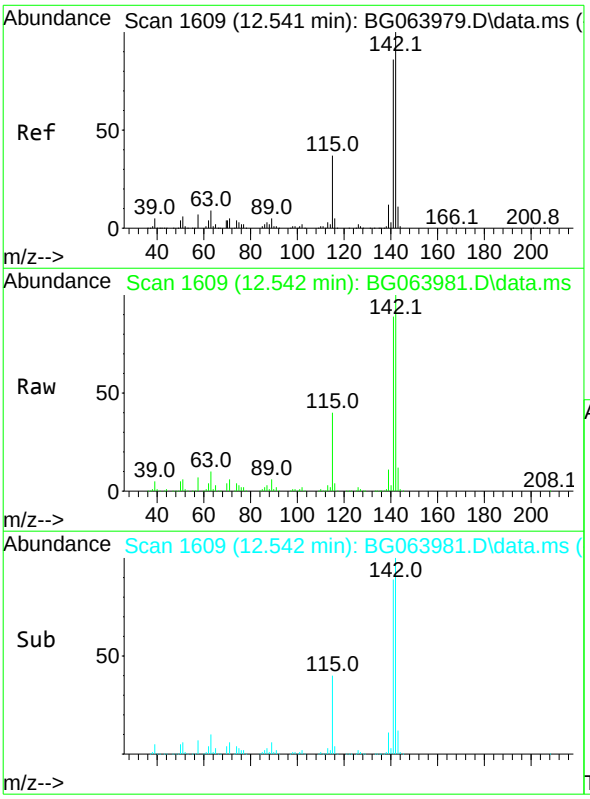
#37
2-Methylnaphthalene
Concen: 60.910 ng
RT: 12.324 min Scan# 15
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 576152

Ion	Ratio	Lower	Upper
142	100		
141	85.5	65.8	98.8
115	37.0	28.9	43.3

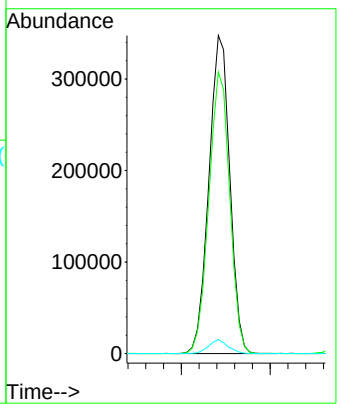


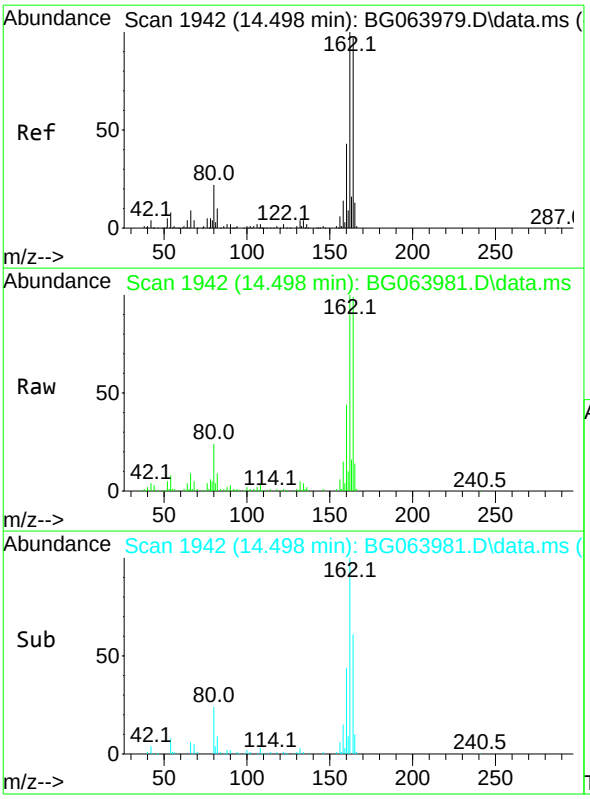


#38
1-Methylnaphthalene
Concen: 60.700 ng
RT: 12.542 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:142 Resp: 568117

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.2	103.8
116	4.4	3.6	5.4



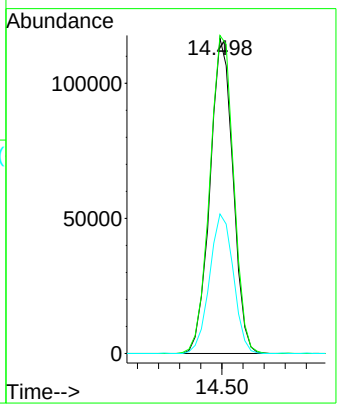


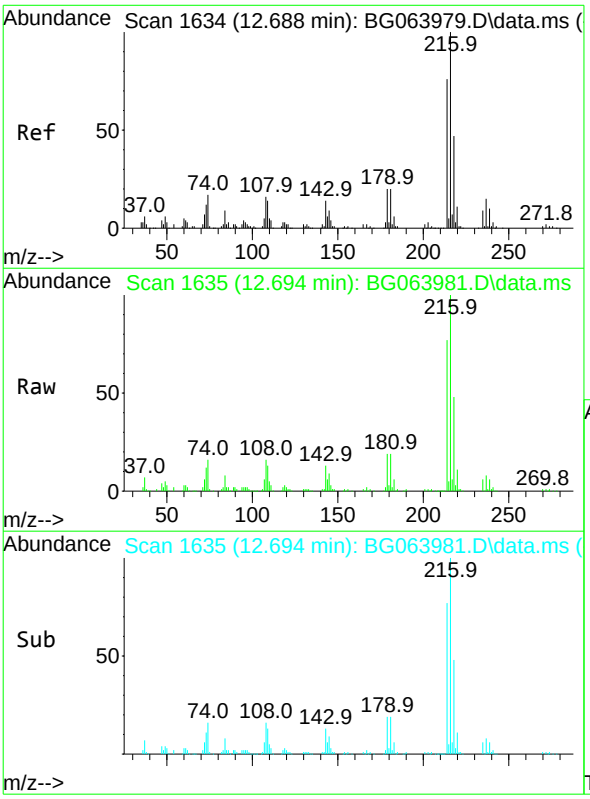
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 176231

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.3	123.5
160	44.3	35.4	53.0

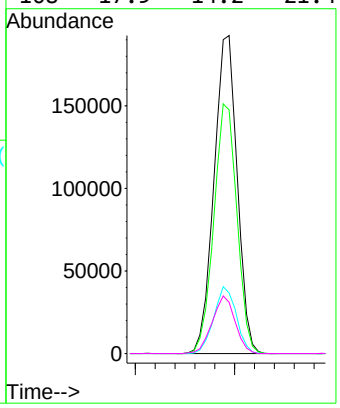


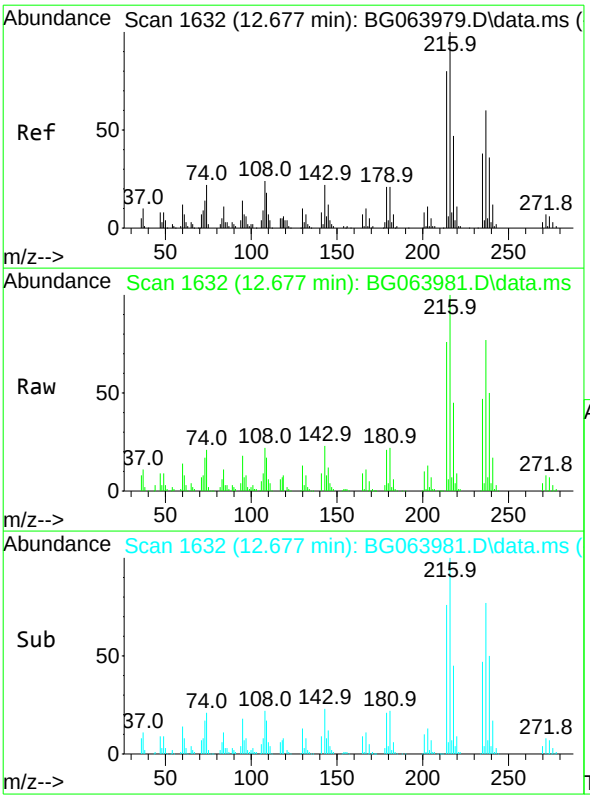


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.128 ng
RT: 12.694 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:216 Resp: 312480

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.9	94.3
179	20.3	16.6	25.0
108	17.9	14.2	21.4



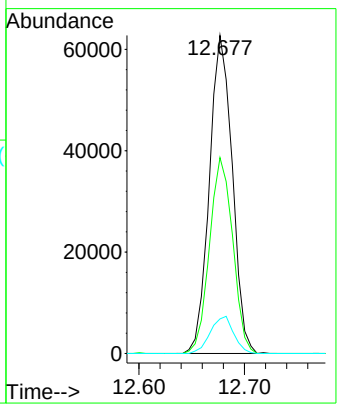


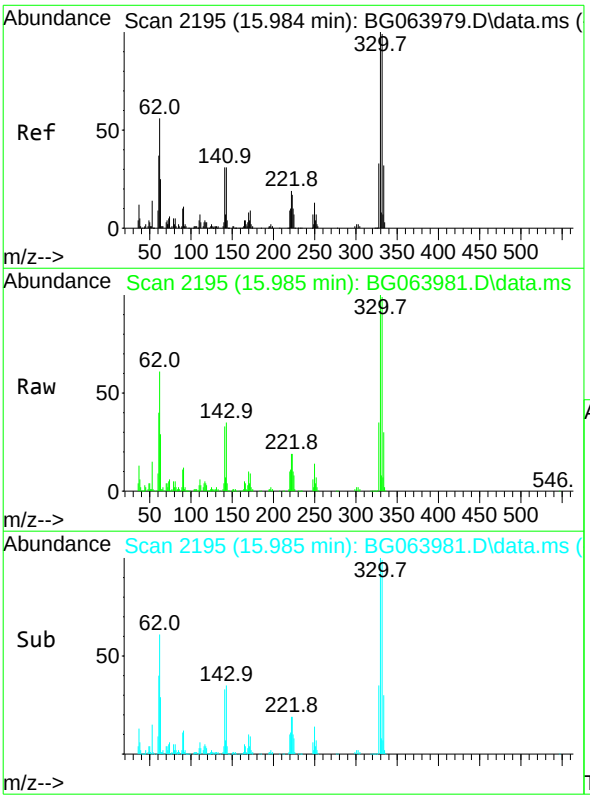
#41
Hexachlorocyclopentadiene
Concen: 67.515 ng
RT: 12.677 min Scan# 16
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 94660

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.8	83.8
272	10.9	0.0	32.3

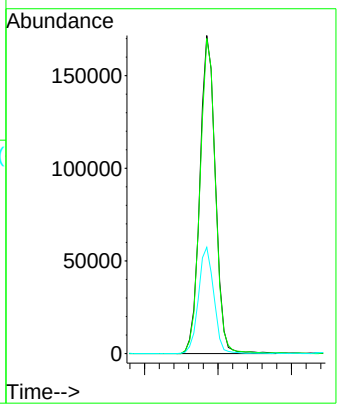


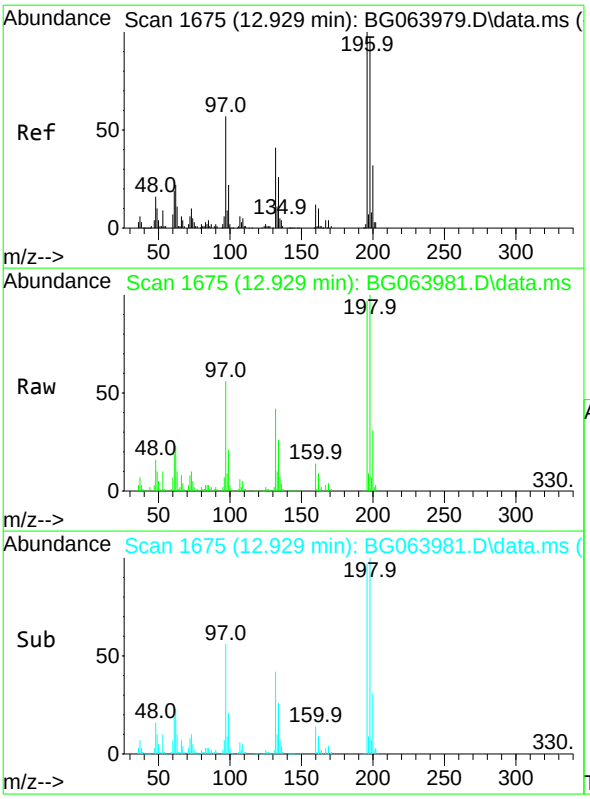


#42
2,4,6-Tribromophenol
Concen: 124.602 ng
RT: 15.985 min Scan# 2195
Delta R.T. 0.001 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:330 Resp: 252237

Ion	Ratio	Lower	Upper
330	100		
332	98.1	79.0	118.6
141	33.1	27.2	40.8



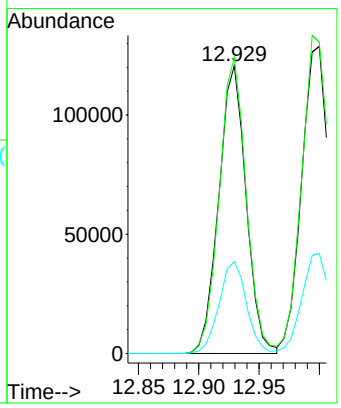


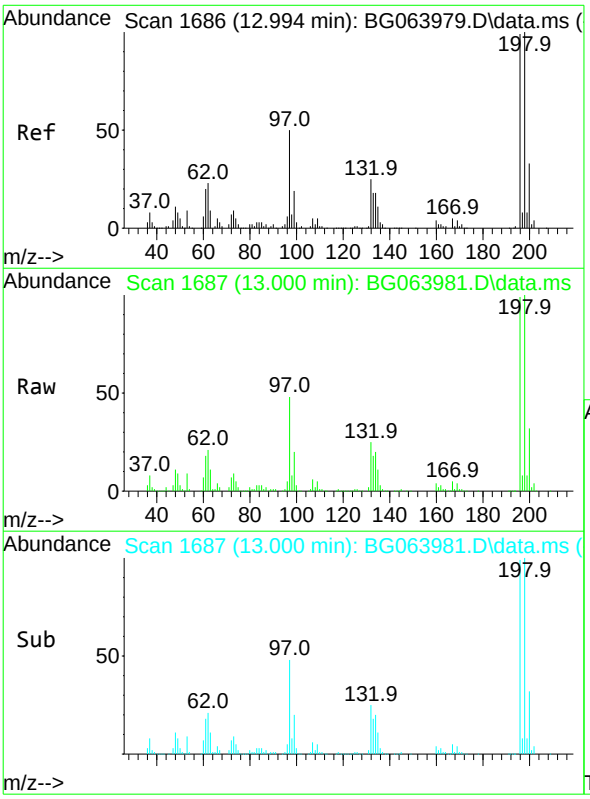
#43
2,4,6-Trichlorophenol
Concen: 60.744 ng
RT: 12.929 min Scan# 16
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 189998

Ion	Ratio	Lower	Upper
196	100		
198	102.9	77.9	116.9
200	31.9	25.5	38.3

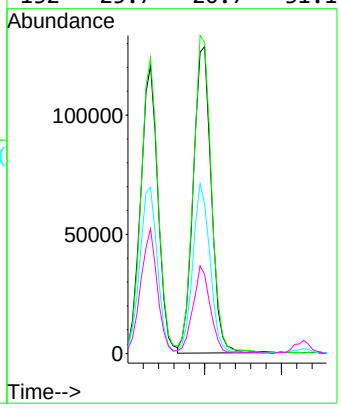


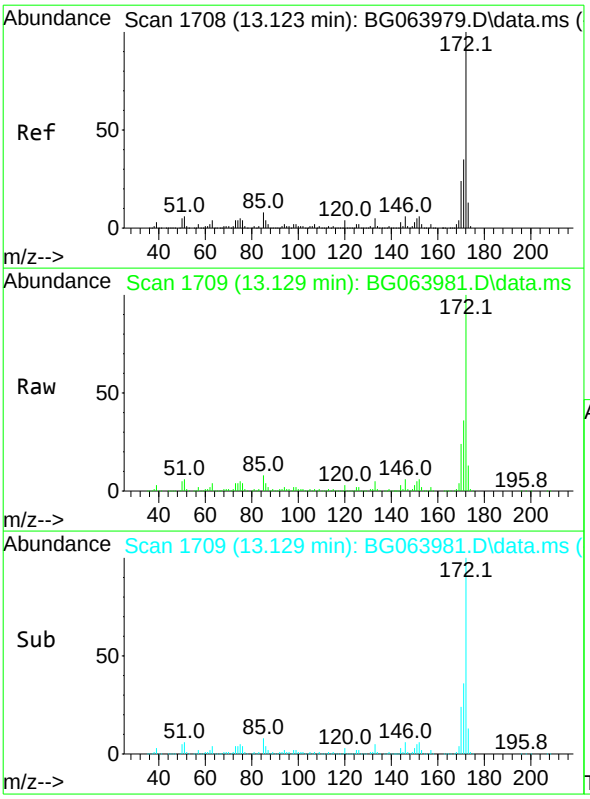


#44
2,4,5-Trichlorophenol
Concen: 60.147 ng
RT: 13.000 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:196 Resp: 210399

Ion	Ratio	Lower	Upper
196	100		
198	101.3	81.1	121.7
97	48.7	41.2	61.8
132	25.7	20.7	31.1



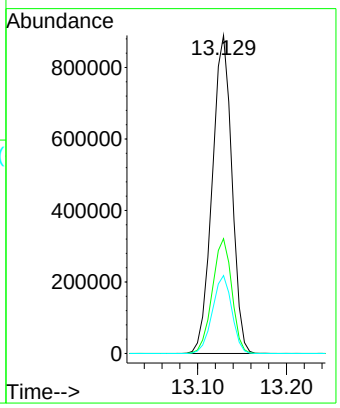


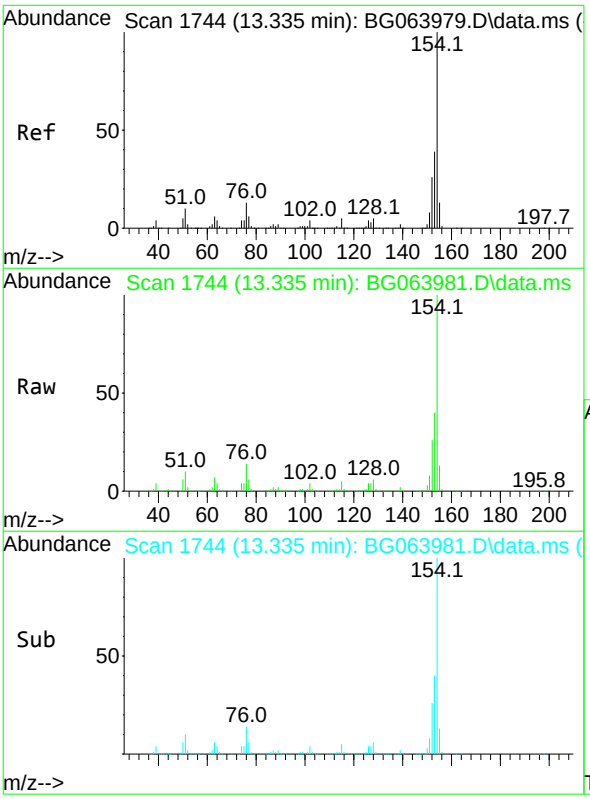
#45
2-Fluorobiphenyl
Concen: 118.713 ng
RT: 13.129 min Scan# 17
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1365469

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	24.5	19.4	29.2

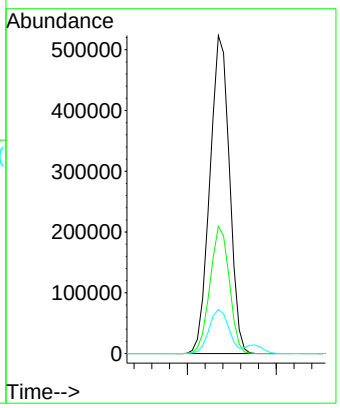


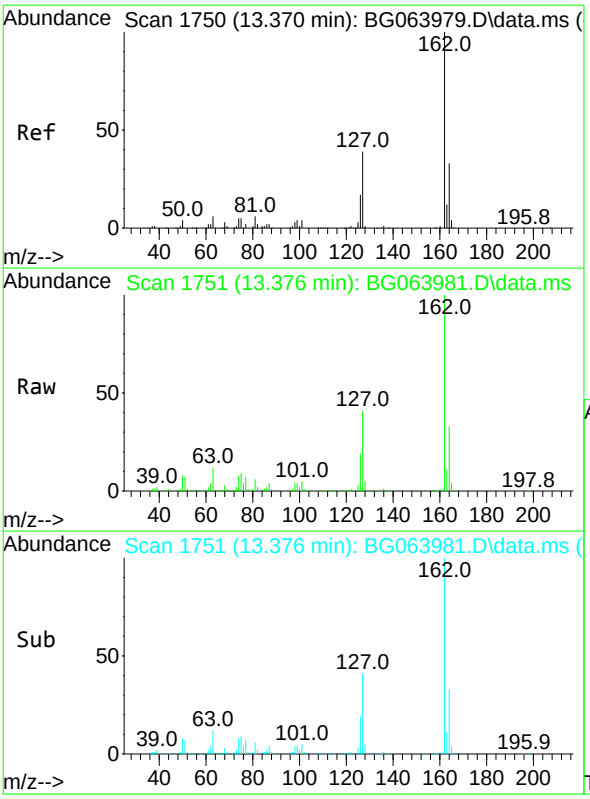


#46
1,1'-Biphenyl
Concen: 59.815 ng
RT: 13.335 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:154 Resp: 802583

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.3	59.3
76	13.8	0.0	33.3



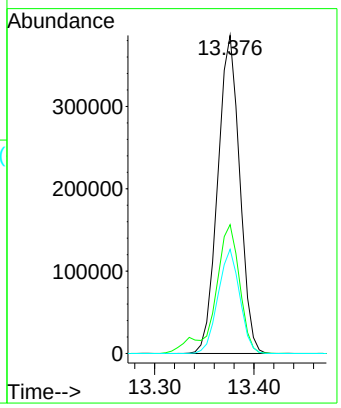


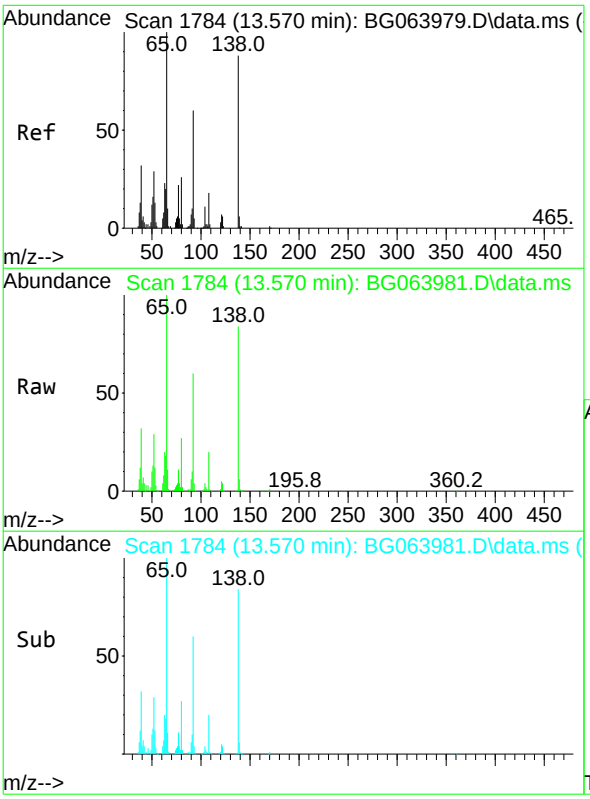
#47
2-Chloronaphthalene
Concen: 60.641 ng
RT: 13.376 min Scan# 17
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 593051

Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.8	26.0	39.0

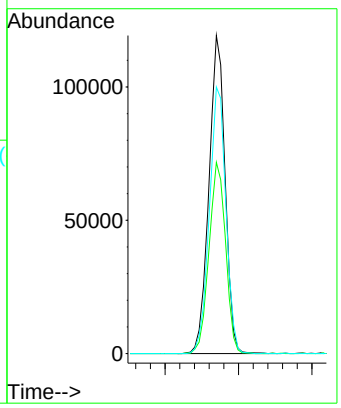


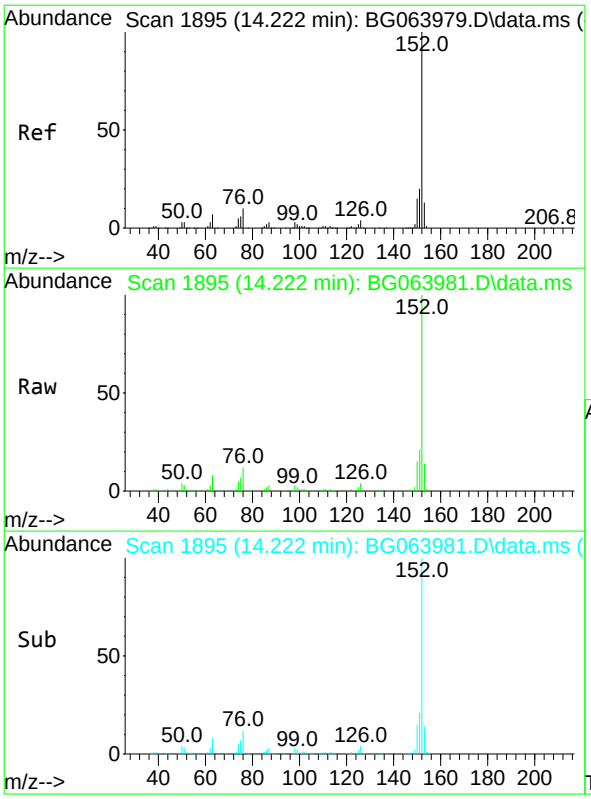


#48
2-Nitroaniline
Concen: 62.611 ng
RT: 13.570 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion: 65 Resp: 182283

Ion	Ratio	Lower	Upper
65	100		
92	60.1	47.6	71.4
138	83.8	70.6	106.0



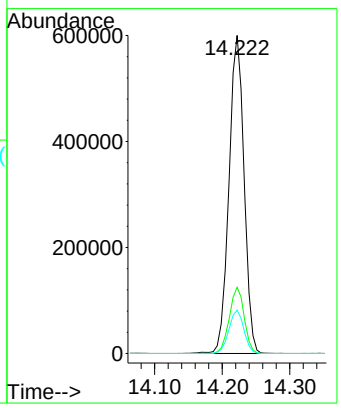


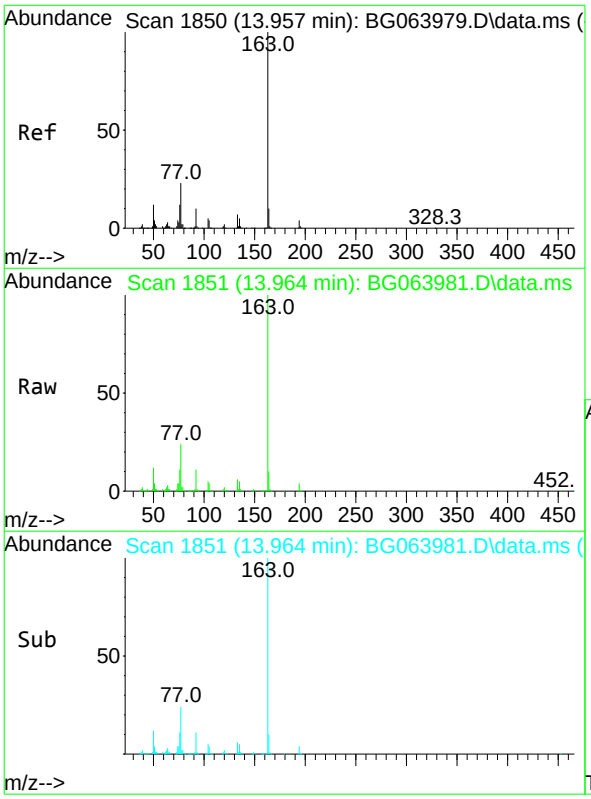
#49
Acenaphthylene
Concen: 61.278 ng
RT: 14.222 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 930841

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.9	23.9
153	13.6	10.3	15.5

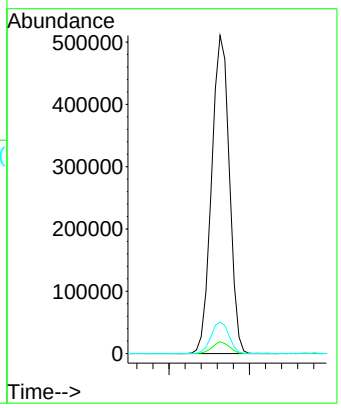


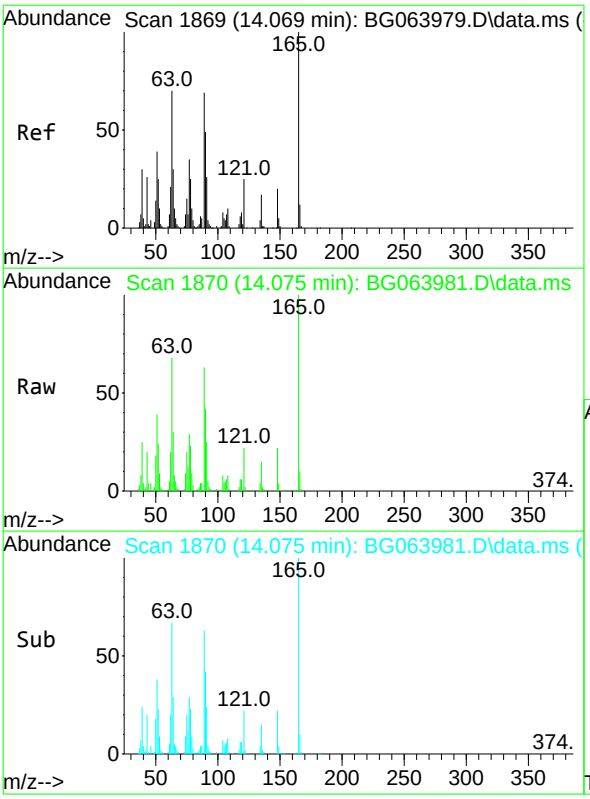


#50
Dimethylphthalate
Concen: 67.047 ng
RT: 13.964 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:163 Resp: 783436

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.0	8.0	12.0



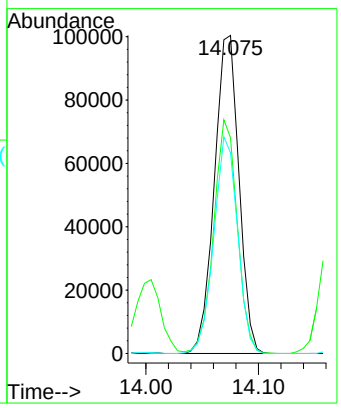


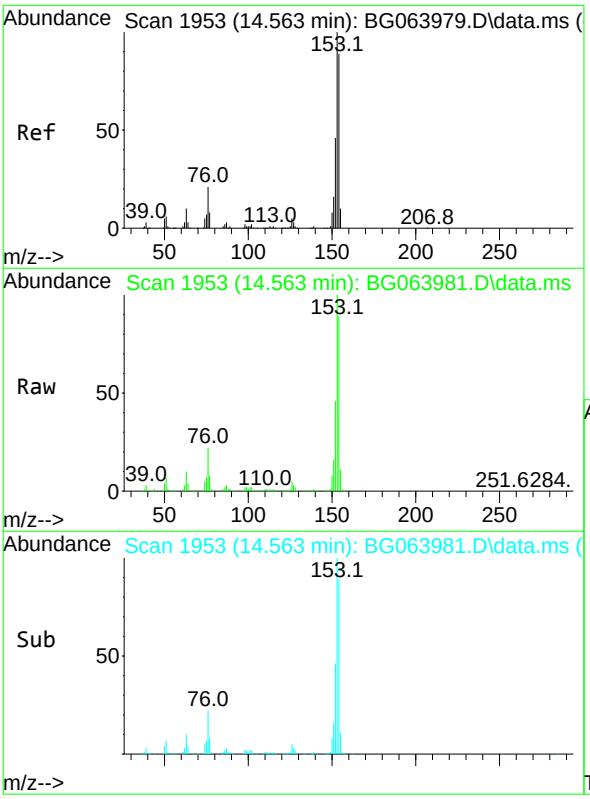
#51
2,6-Dinitrotoluene
Concen: 63.145 ng
RT: 14.075 min Scan# 18
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 152056

Ion	Ratio	Lower	Upper
165	100		
63	67.9	57.7	86.5
89	63.1	55.6	83.4

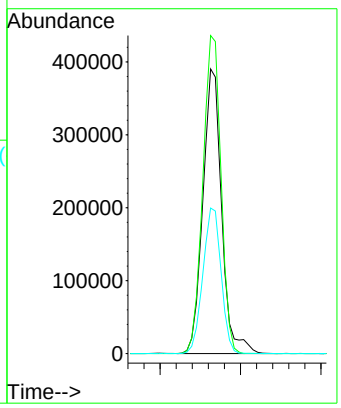


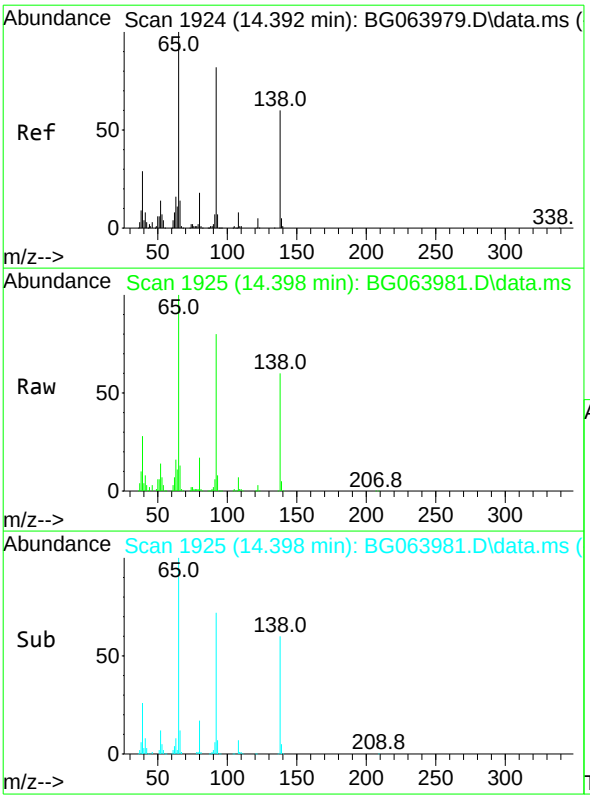


#52
Acenaphthene
Concen: 62.116 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:154 Resp: 632929

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.2
152	51.1	41.1	61.7



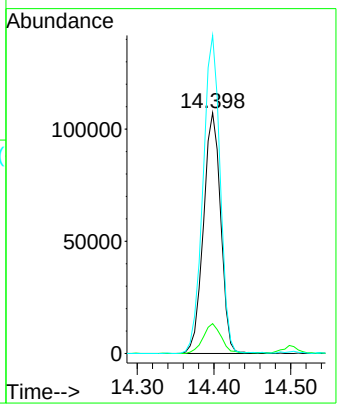


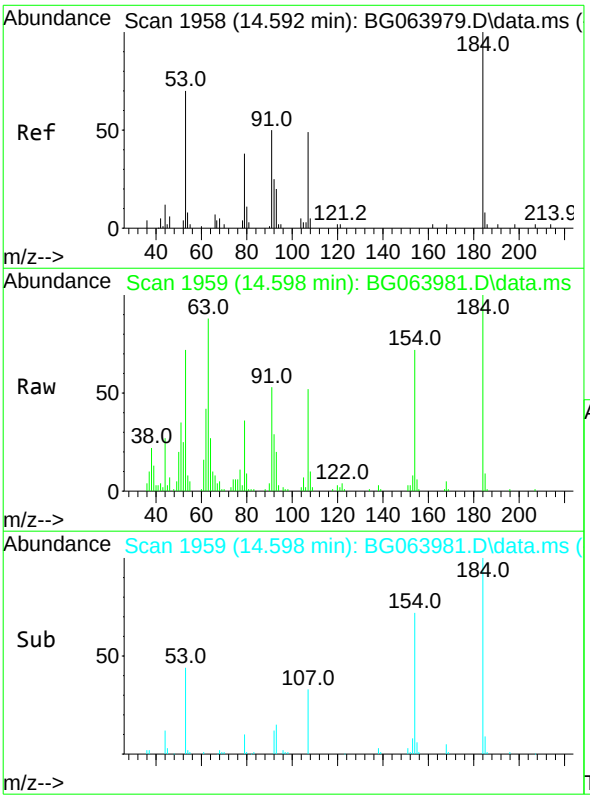
#53
3-Nitroaniline
Concen: 62.722 ng
RT: 14.398 min Scan# 19
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 167231

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.3	15.5
92	132.1	109.0	163.4

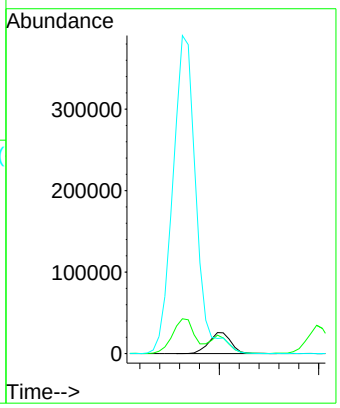


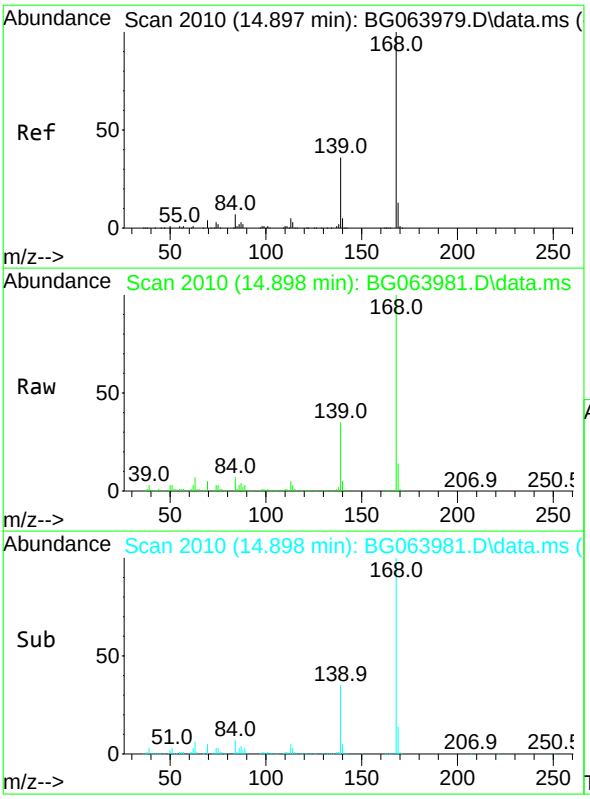


#54
2,4-Dinitrophenol
Concen: 62.434 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:184 Resp: 39871

Ion	Ratio	Lower	Upper
184	100		
63	87.9	67.3	100.9
154	72.0	65.9	98.9



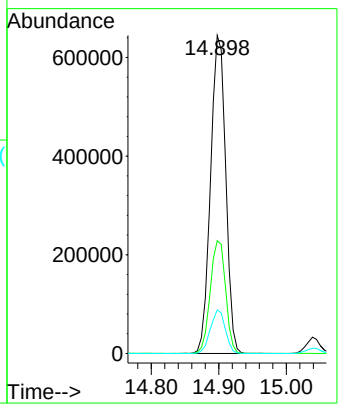


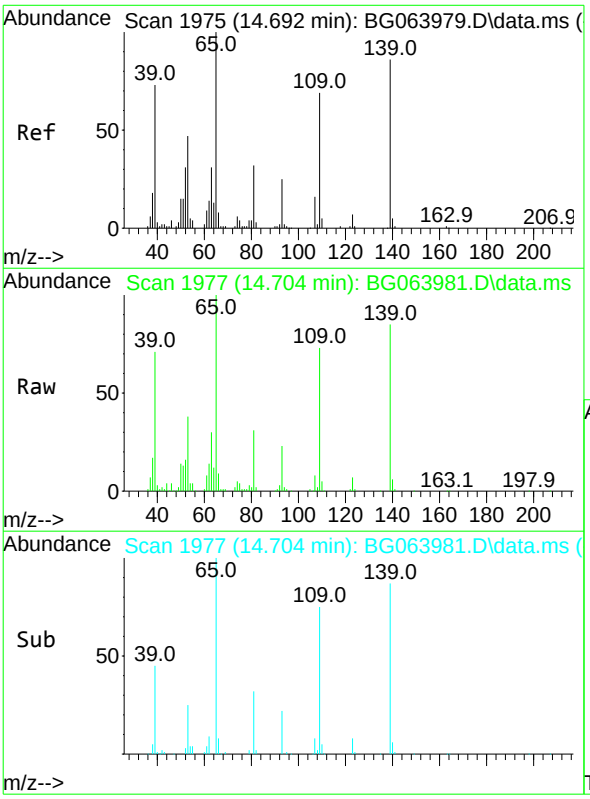
#55
Dibenzofuran
Concen: 60.642 ng
RT: 14.898 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1003321

Ion	Ratio	Lower	Upper
168	100		
139	35.5	28.6	43.0
169	13.7	10.6	16.0

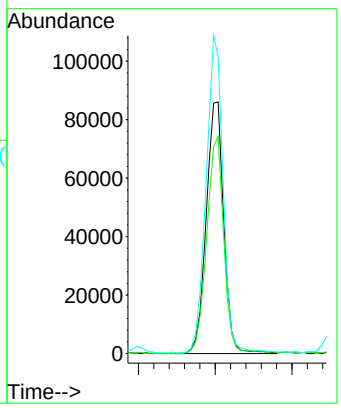


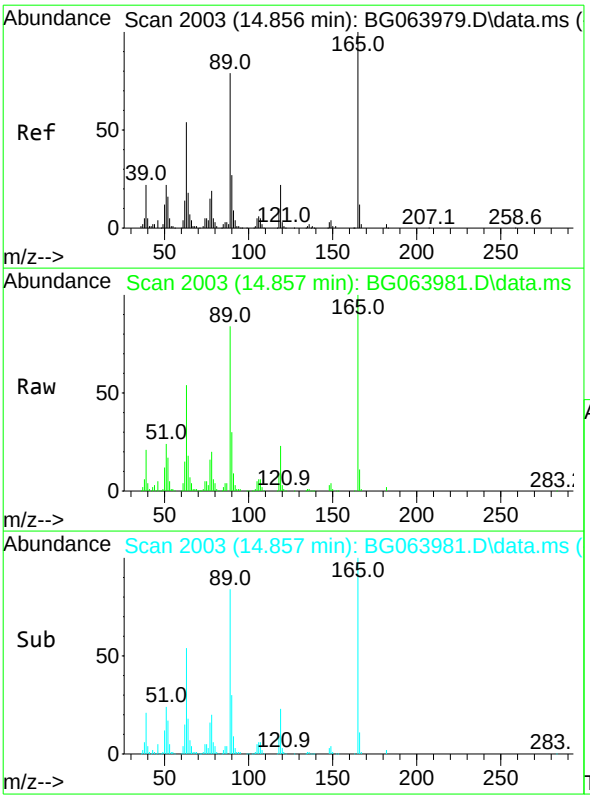


#56
4-Nitrophenol
Concen: 62.644 ng
RT: 14.704 min Scan# 1977
Delta R.T. 0.012 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:139 Resp: 136955

Ion	Ratio	Lower	Upper
139	100		
109	86.3	60.1	100.1
65	117.8	96.2	136.2



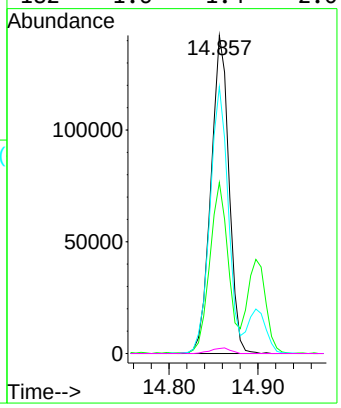


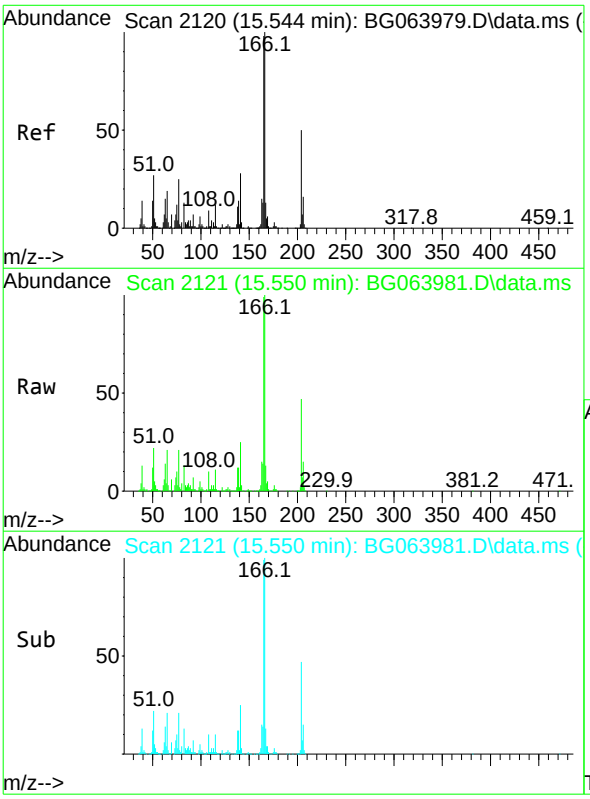
#57
2,4-Dinitrotoluene
Concen: 63.391 ng
RT: 14.857 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 201113

Ion	Ratio	Lower	Upper
165	100		
63	53.8	43.6	65.4
89	83.9	63.1	94.7
182	1.6	1.4	2.0

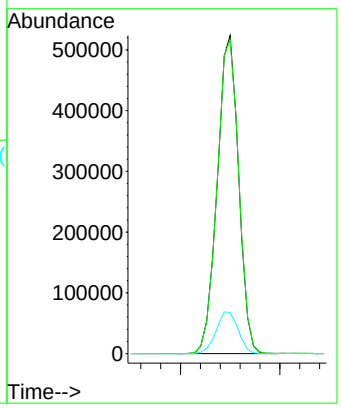


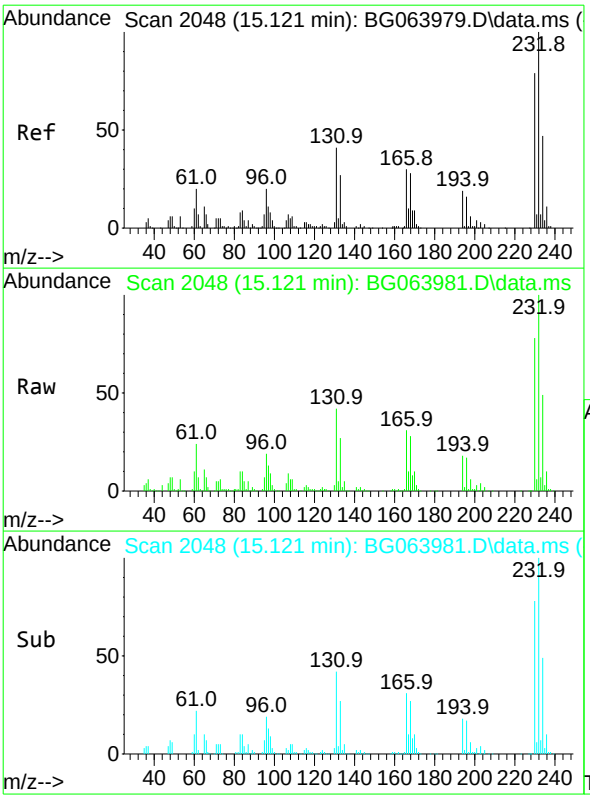


#58
Fluorene
Concen: 60.965 ng
RT: 15.550 min Scan# 2121
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:166 Resp: 779617

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.7	118.1
167	12.9	10.1	15.1



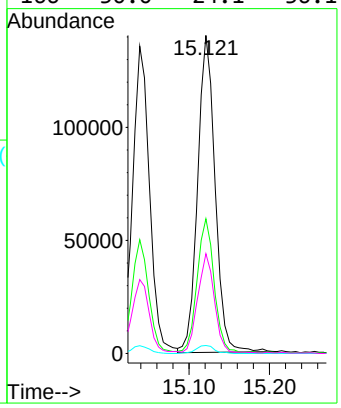


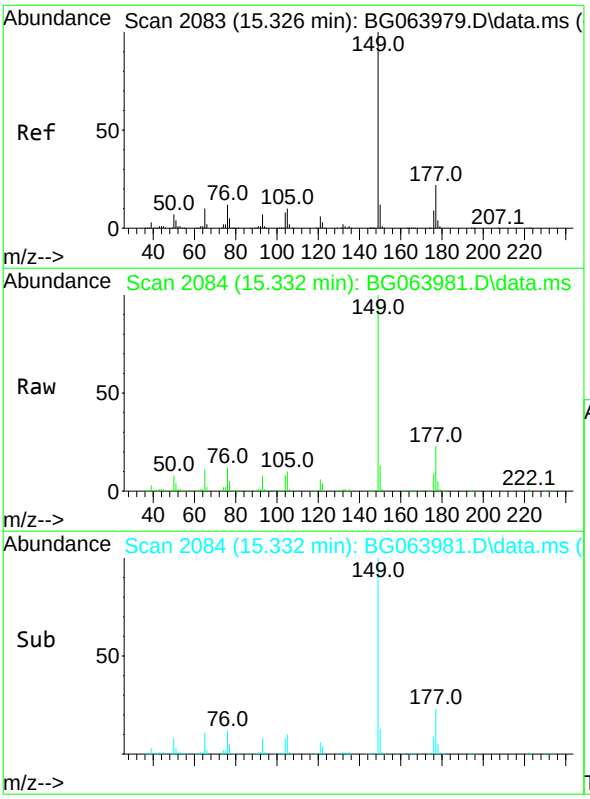
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.032 ng
RT: 15.121 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 211433

Ion	Ratio	Lower	Upper
232	100		
131	41.4	34.0	51.0
130	2.7	2.2	3.4
166	30.0	24.1	36.1

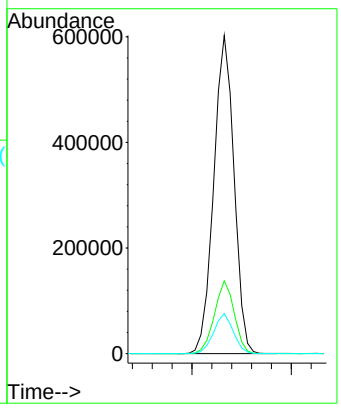


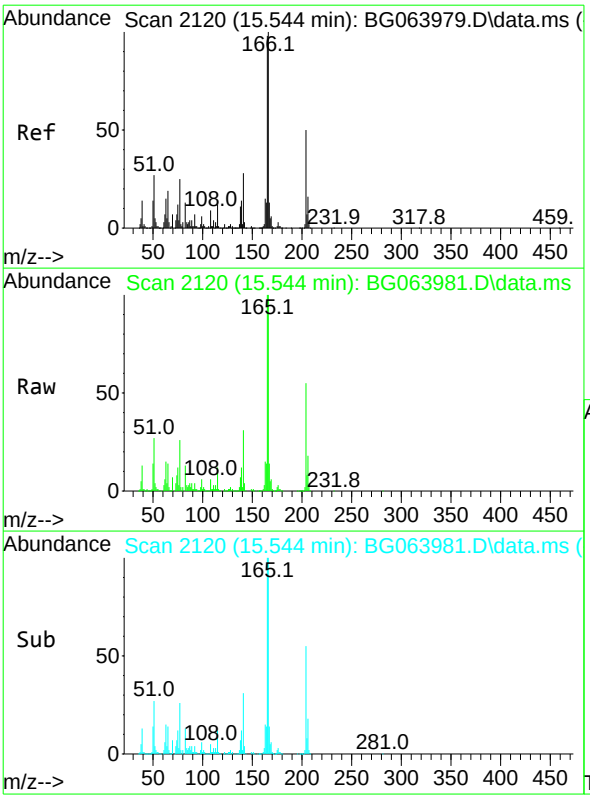


#60
Diethylphthalate
Concen: 69.016 ng
RT: 15.332 min Scan# 2084
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:149 Resp: 855011

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.0	27.0
150	12.6	9.7	14.5



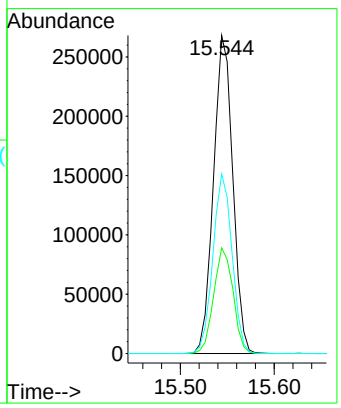


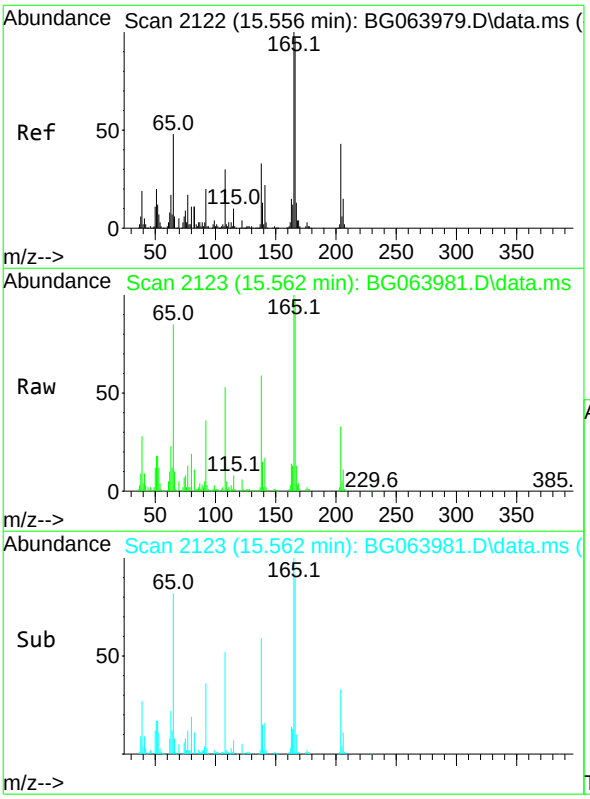
#61
4-Chlorophenyl-phenylether
Concen: 59.698 ng
RT: 15.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 383040

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.6
141	56.4	44.6	67.0

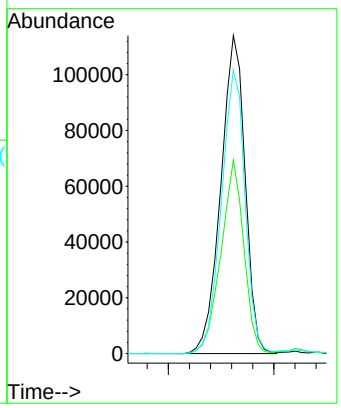


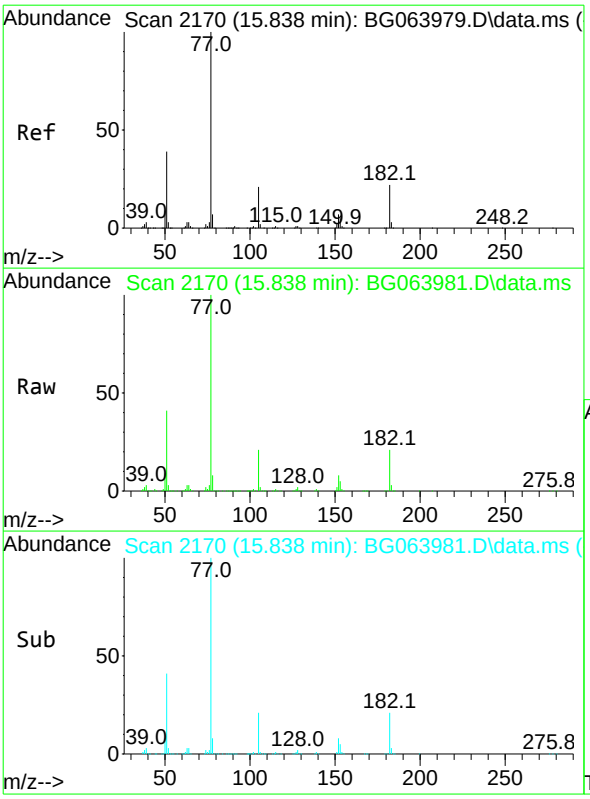


#62
4-Nitroaniline
Concen: 64.513 ng
RT: 15.562 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:138 Resp: 182391

Ion	Ratio	Lower	Upper
138	100		
92	60.8	40.3	80.3
108	89.1	69.3	109.3



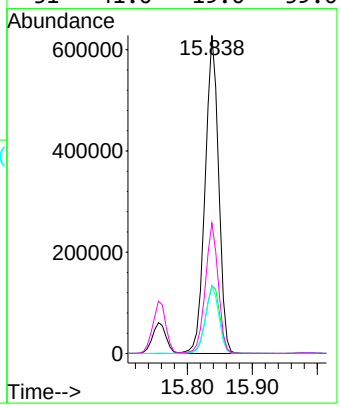


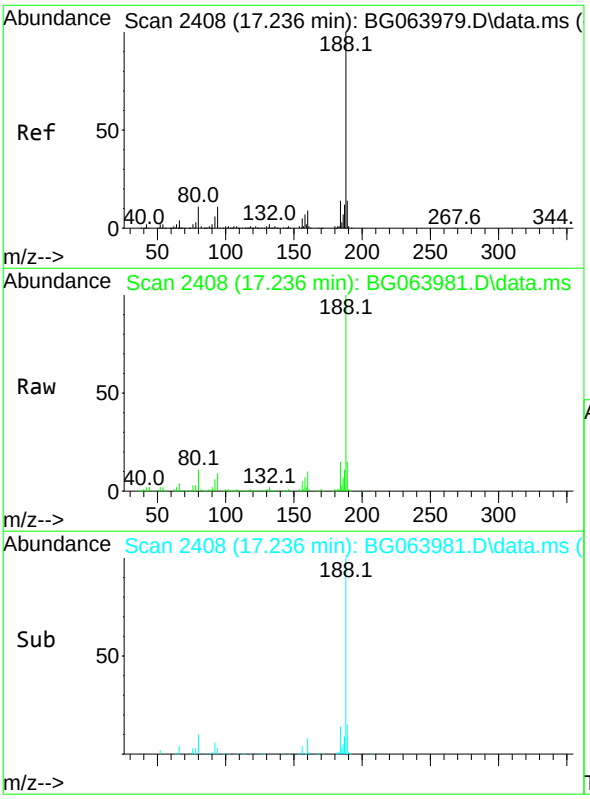
#63
Azobenzene
Concen: 62.025 ng
RT: 15.838 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 907582

Ion	Ratio	Lower	Upper
77	100		
182	21.4	2.3	42.3
105	21.3	1.0	41.0
51	41.0	19.0	59.0

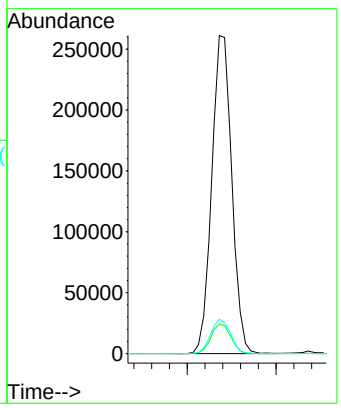


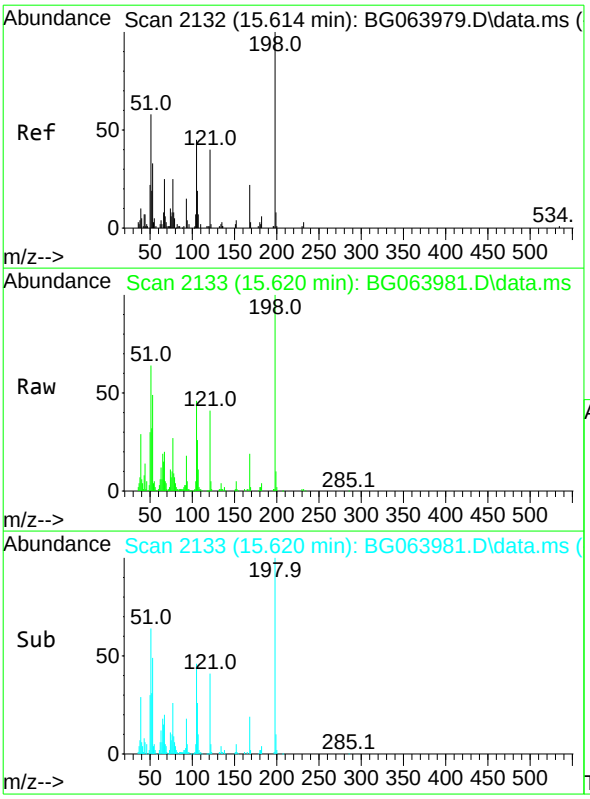


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.236 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:188 Resp: 408653

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.6	13.0
80	10.8	8.5	12.7



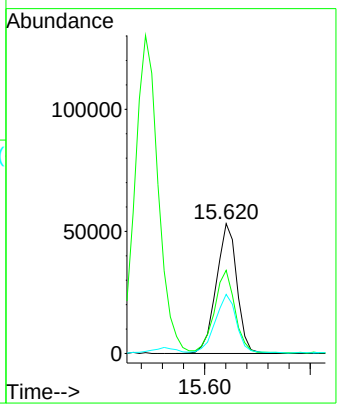


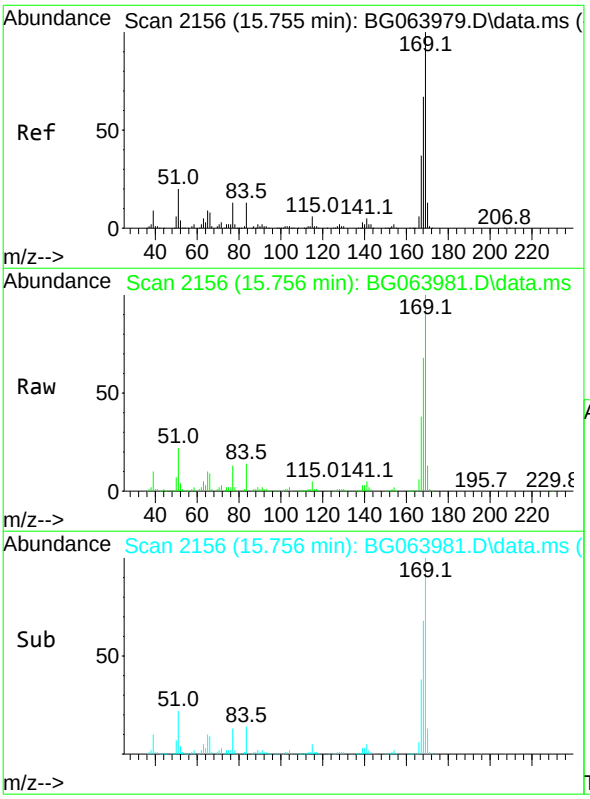
#65
4,6-Dinitro-2-methylphenol
Concen: 61.552 ng
RT: 15.620 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 72237

Ion	Ratio	Lower	Upper
198	100		
51	64.0	45.4	85.4
105	45.5	27.7	67.7

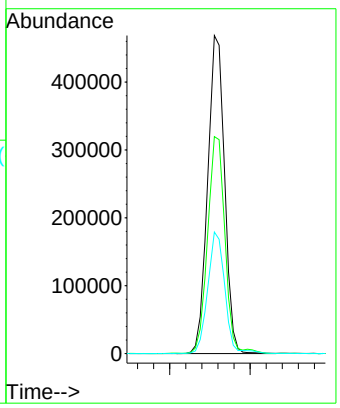


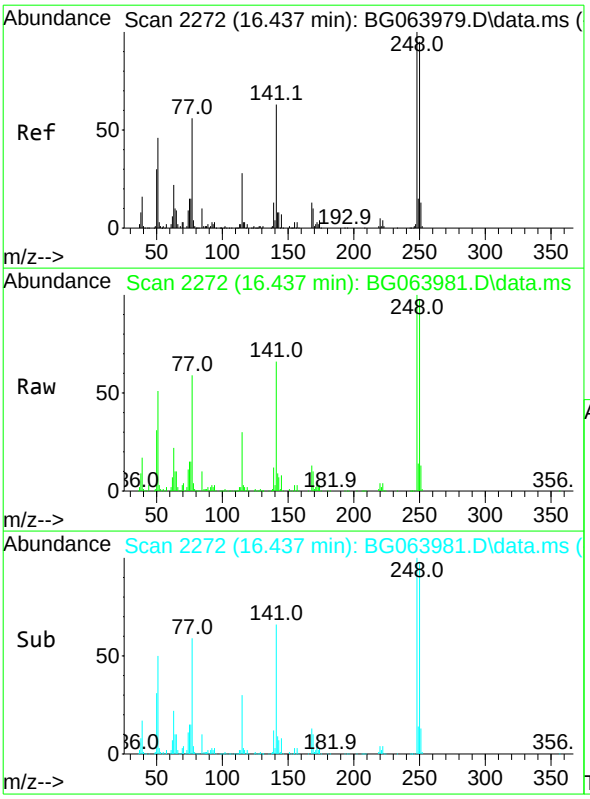


#66
n-Nitrosodiphenylamine
Concen: 60.425 ng
RT: 15.756 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:169 Resp: 684639

Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.5	80.3
167	38.2	30.0	45.0



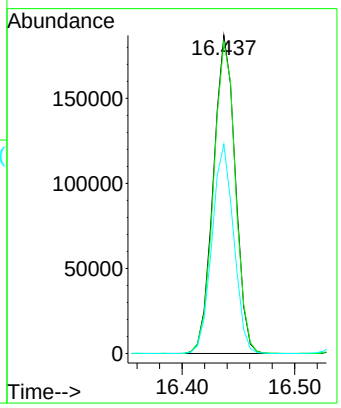


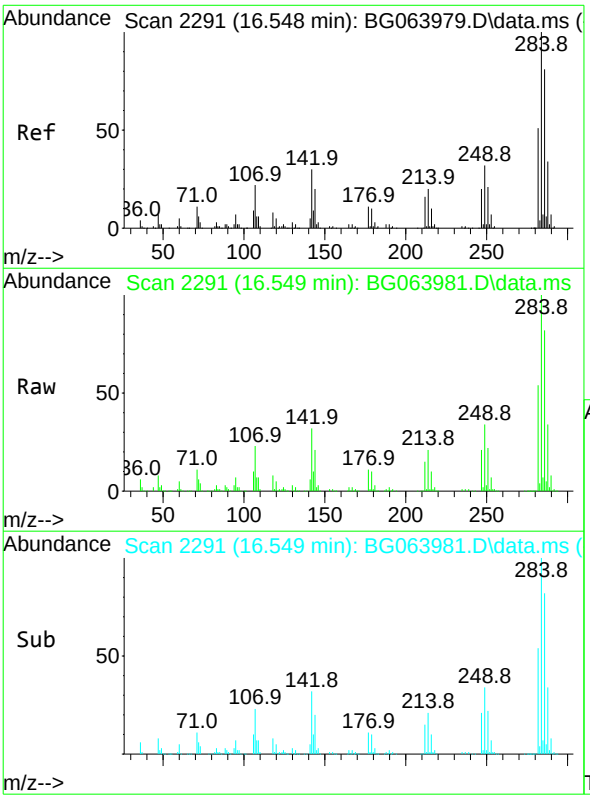
#67
4-Bromophenyl-phenylether
Concen: 61.948 ng
RT: 16.437 min Scan# 22
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 251976

Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.2	114.4
141	65.7	50.6	75.8

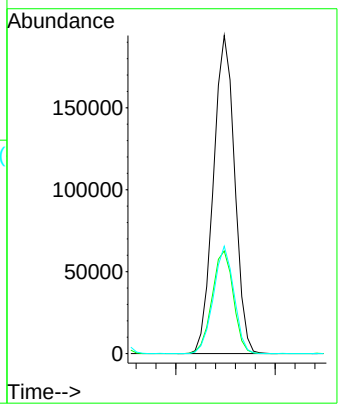


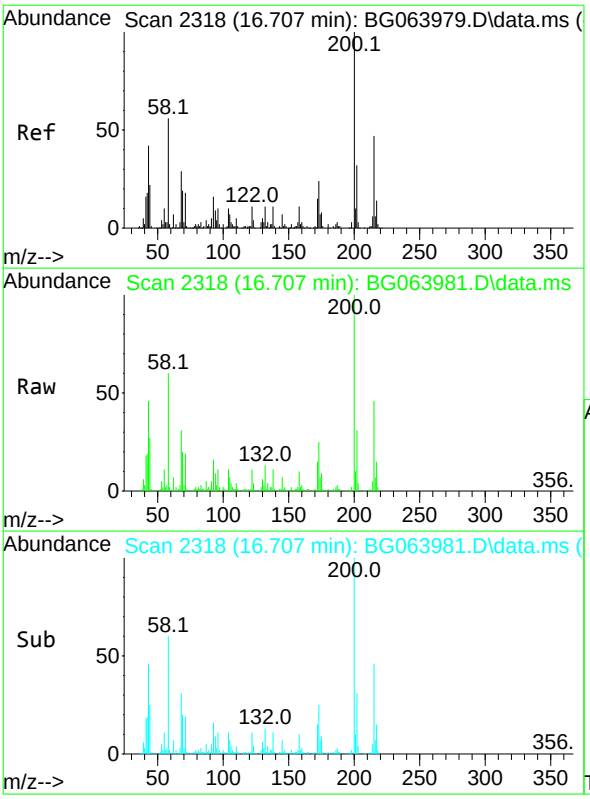


#68
Hexachlorobenzene
Concen: 60.335 ng
RT: 16.549 min Scan# 2291
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:284 Resp: 288527

Ion	Ratio	Lower	Upper
284	100		
142	32.2	23.8	35.8
249	33.8	25.9	38.9



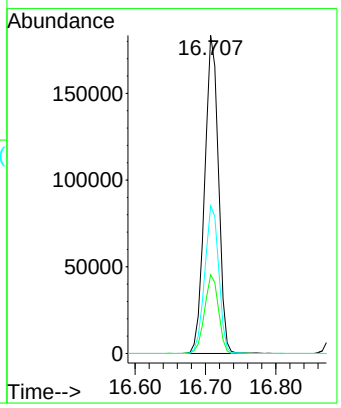


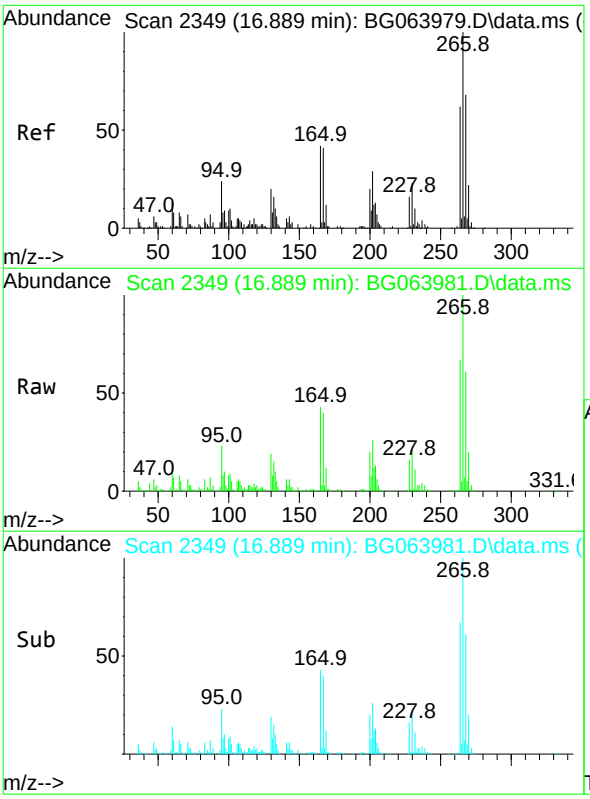
#69
Atrazine
Concen: 66.127 ng
RT: 16.707 min Scan# 23
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 249333

Ion	Ratio	Lower	Upper
200	100		
173	24.7	3.8	43.8
215	46.4	26.6	66.6

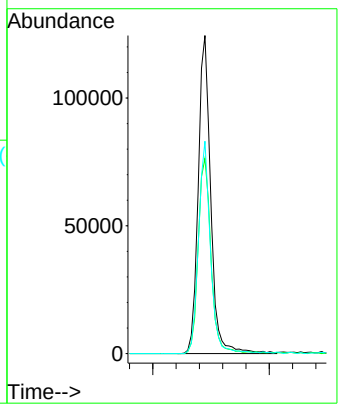


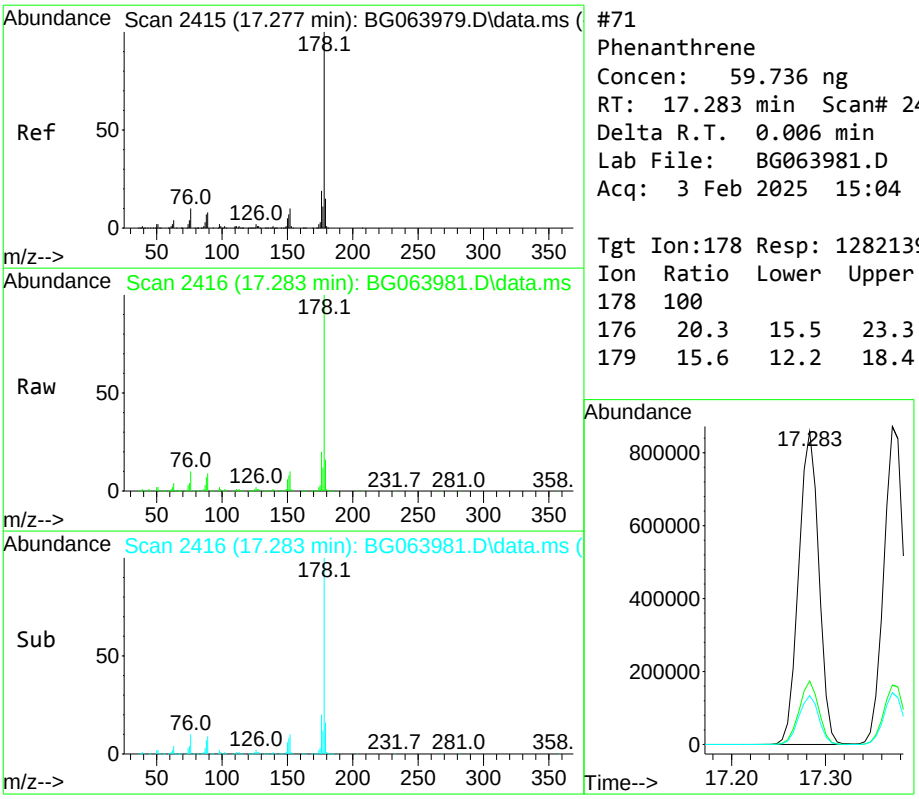


#70
Pentachlorophenol
Concen: 61.748 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:266 Resp: 185974

Ion	Ratio	Lower	Upper
266	100		
268	61.4	54.8	82.2
264	66.8	50.0	75.0



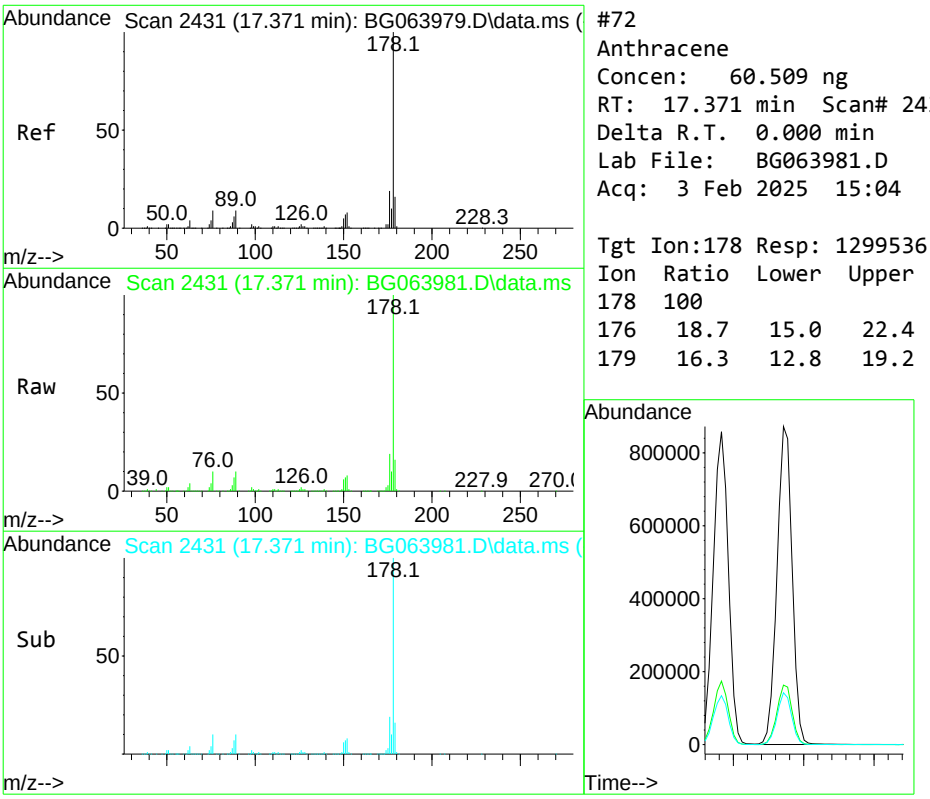


#71
Phenanthrene
Concen: 59.736 ng
RT: 17.283 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1282139

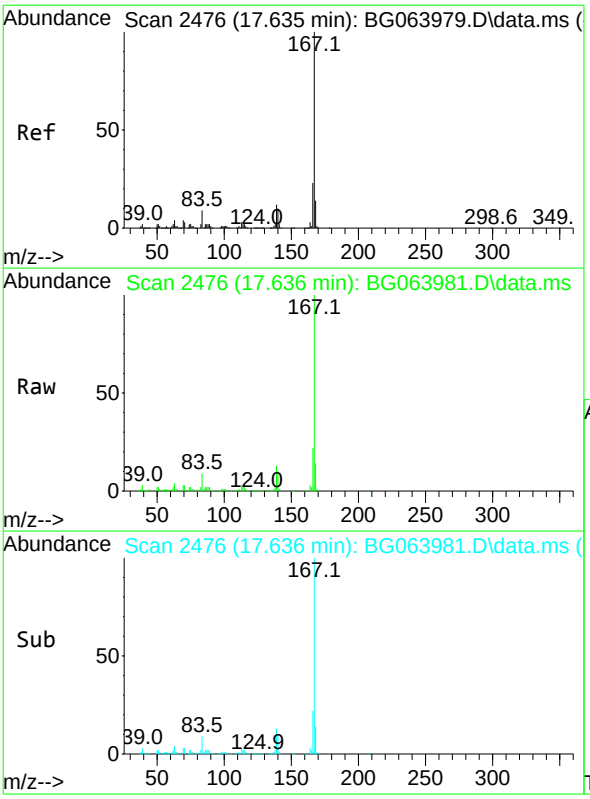
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.5	23.3
179	15.6	12.2	18.4



#72
Anthracene
Concen: 60.509 ng
RT: 17.371 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:178 Resp: 1299536

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	16.3	12.8	19.2

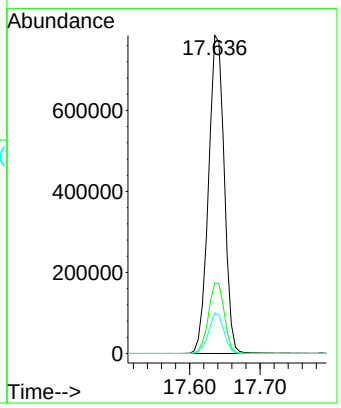


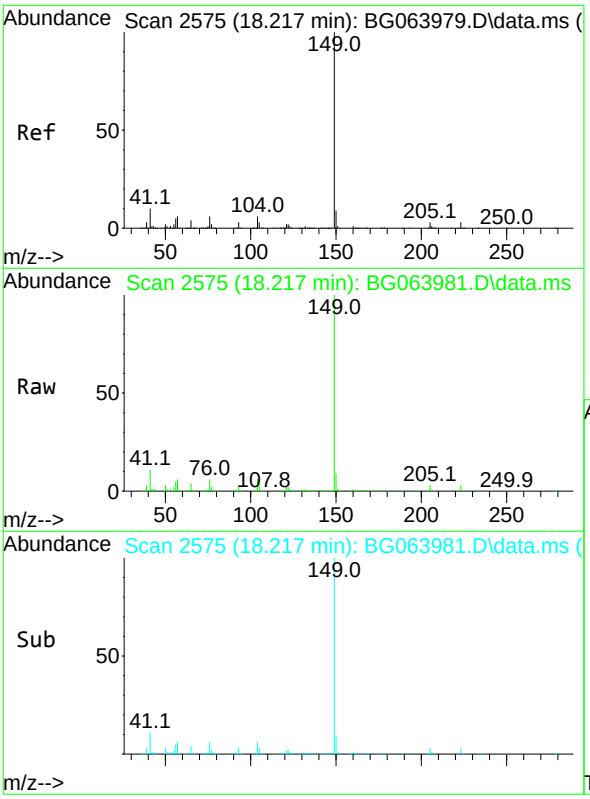
#73
Carbazole
Concen: 60.610 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1218549

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.6	28.0
139	12.7	9.8	14.8

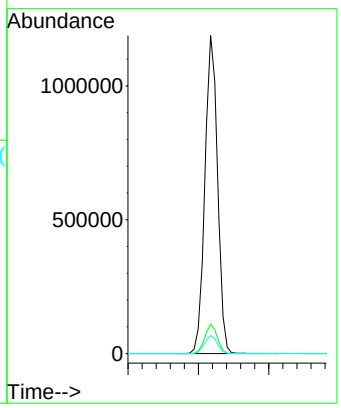


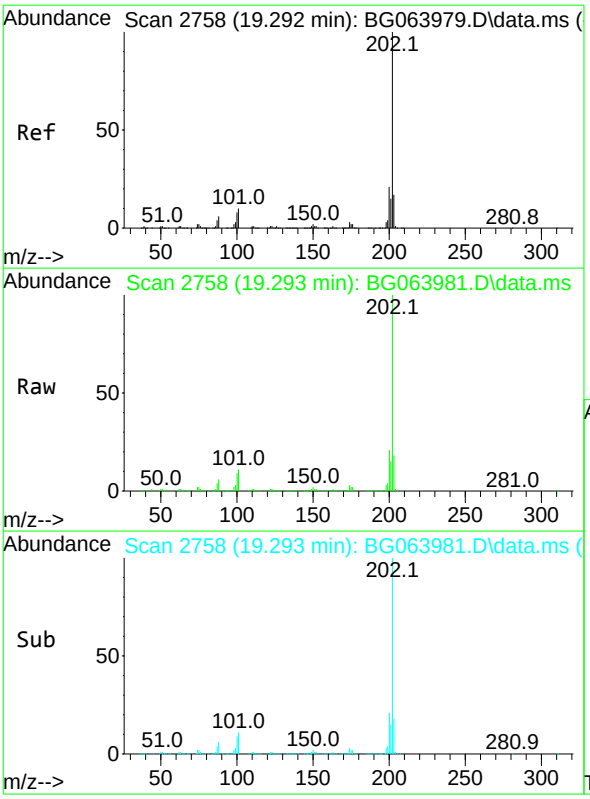


#74
Di-n-butylphthalate
Concen: 70.560 ng
RT: 18.217 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:149 Resp: 1478726

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.7	4.6	6.8



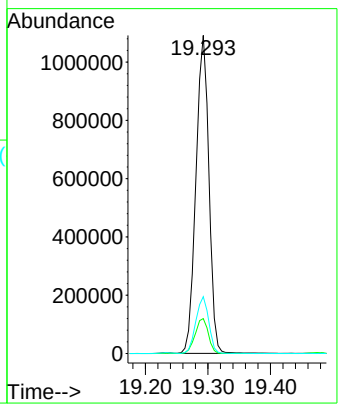


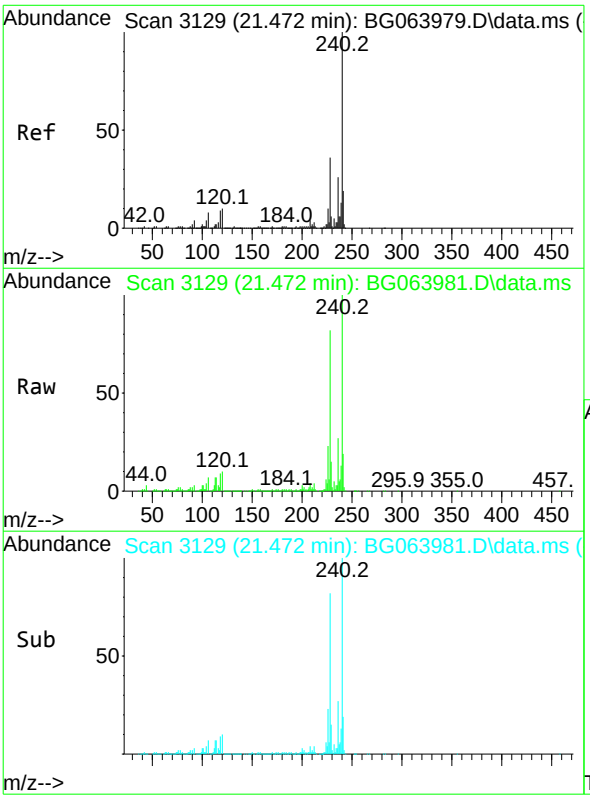
#75
Fluoranthene
Concen: 60.062 ng
RT: 19.293 min Scan# 27
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1569777

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.4
203	17.9	0.0	37.0

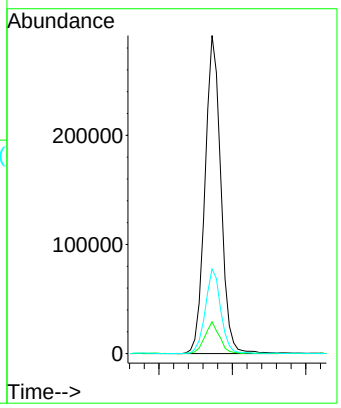


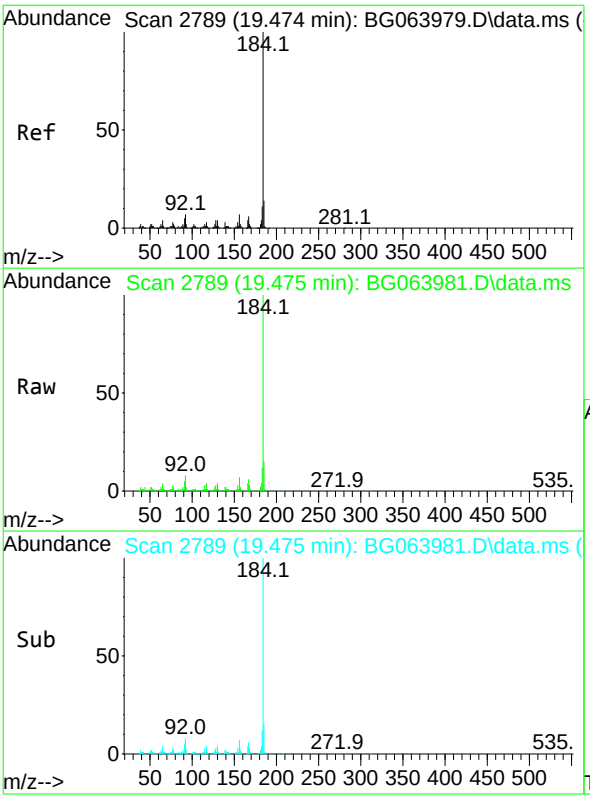


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:240 Resp: 437619

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.9	11.9
236	26.6	21.0	31.6



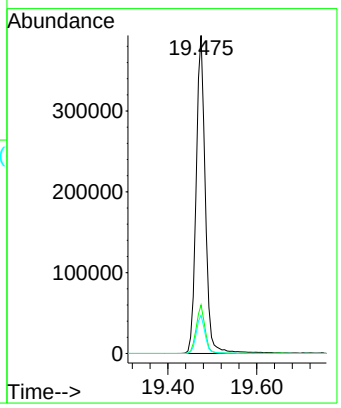


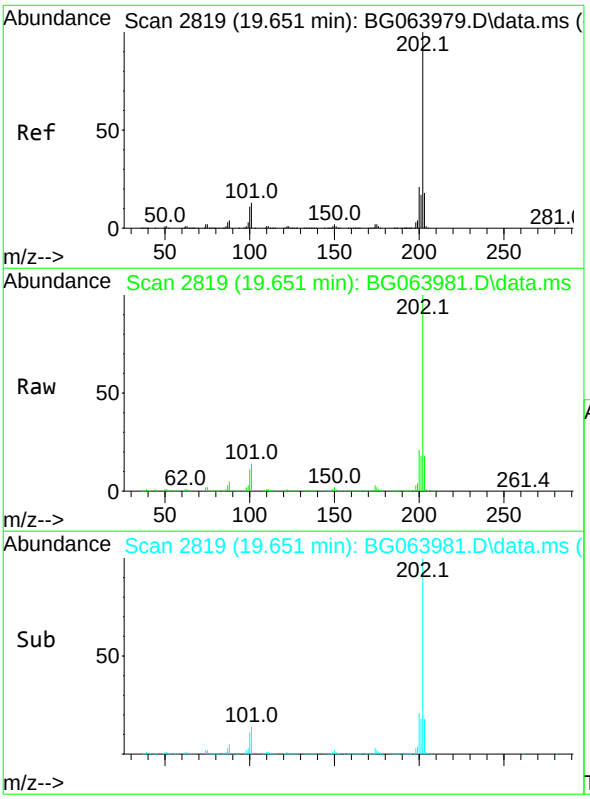
#77
Benzidine
Concen: 60.541 ng
RT: 19.475 min Scan# 27
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 564174

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.2	16.8
183	12.0	8.7	13.1

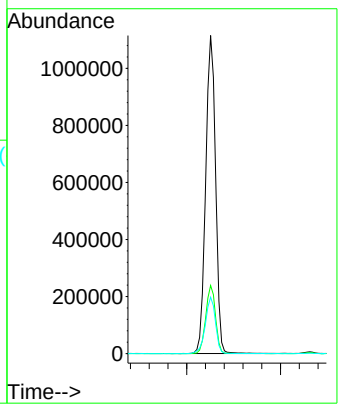


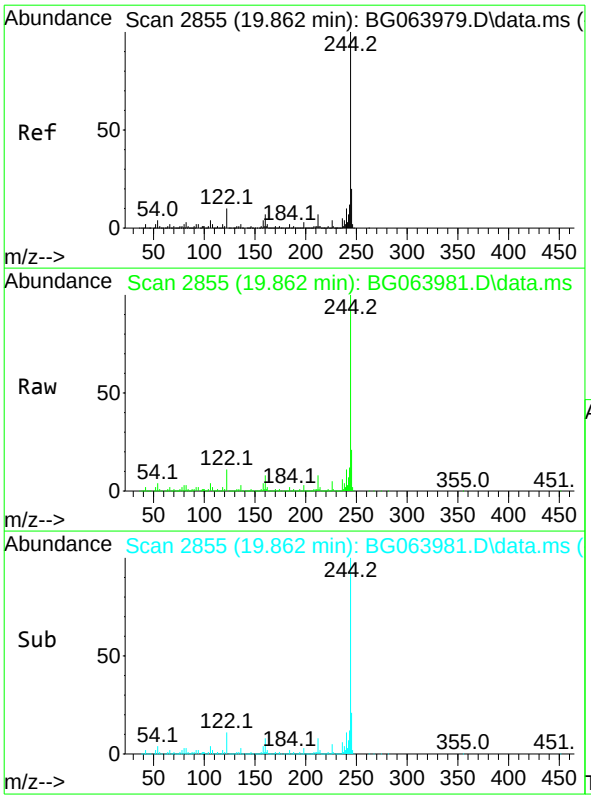


#78
Pyrene
Concen: 60.492 ng
RT: 19.651 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:202 Resp: 1634287

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.7	14.5	21.7



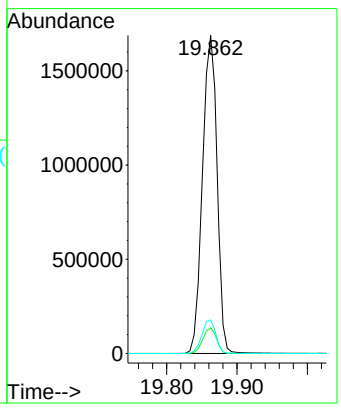


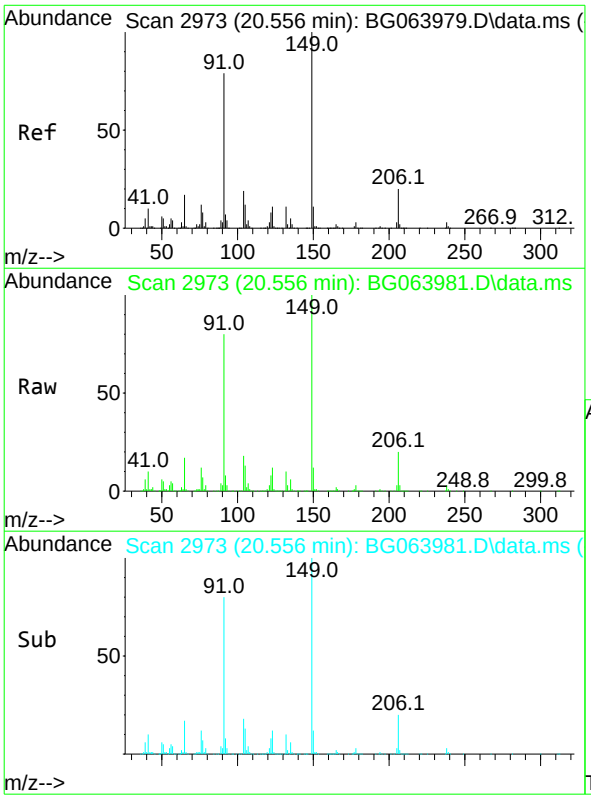
#79
Terphenyl-d14
Concen: 115.874 ng
RT: 19.862 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 2428035

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.8
122	10.5	7.7	11.5

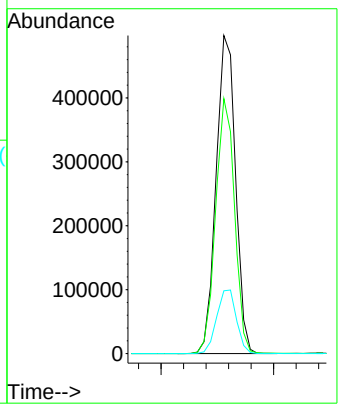


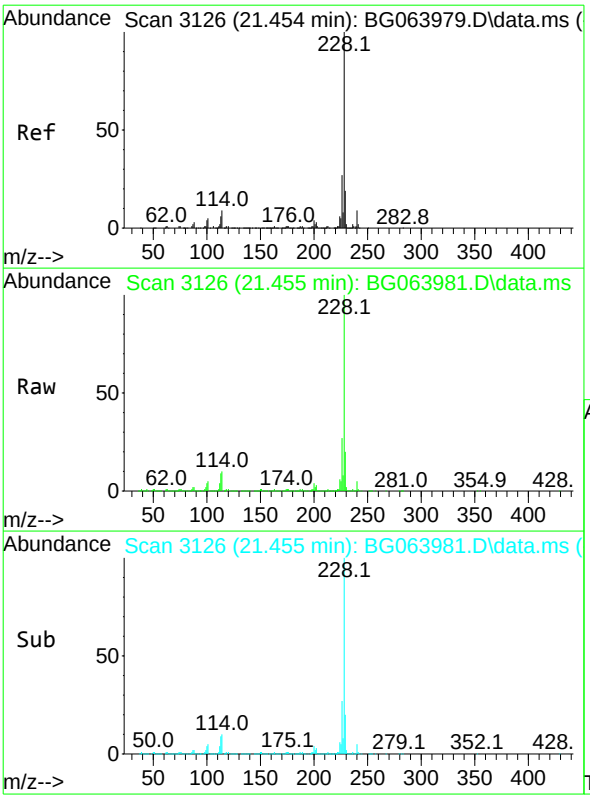


#80
Butylbenzylphthalate
Concen: 61.527 ng
RT: 20.556 min Scan# 2973
Delta R.T. -0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:149 Resp: 597125

Ion	Ratio	Lower	Upper
149	100		
91	80.2	63.0	94.6
206	19.7	15.8	23.6



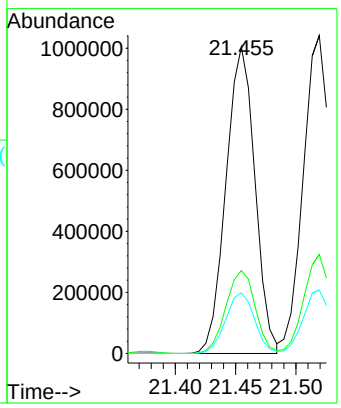


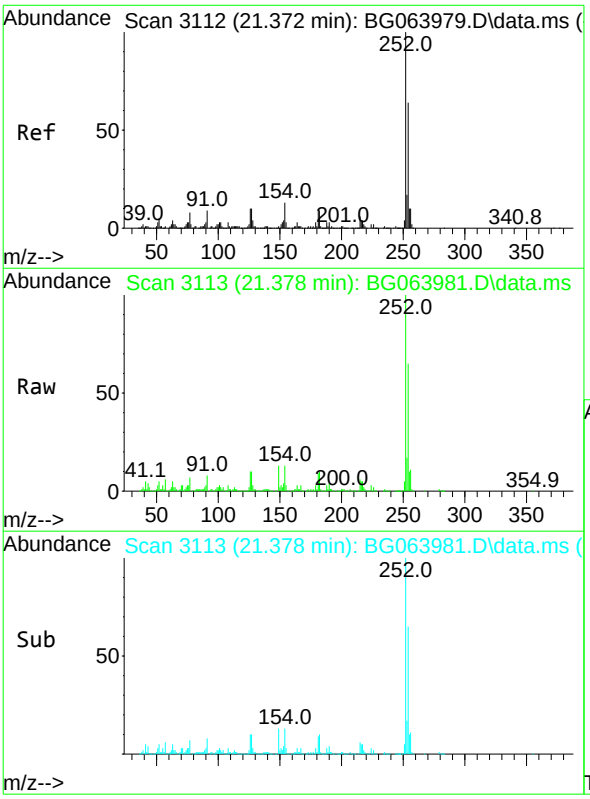
#81
Benzo(a)anthracene
Concen: 60.346 ng
RT: 21.455 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1676709

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.6
229	19.8	15.5	23.3

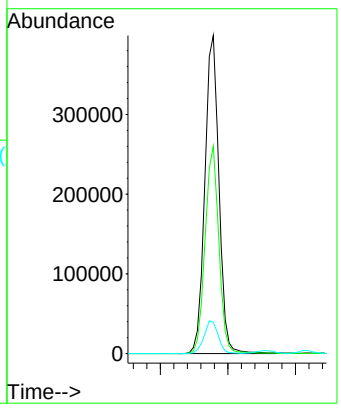


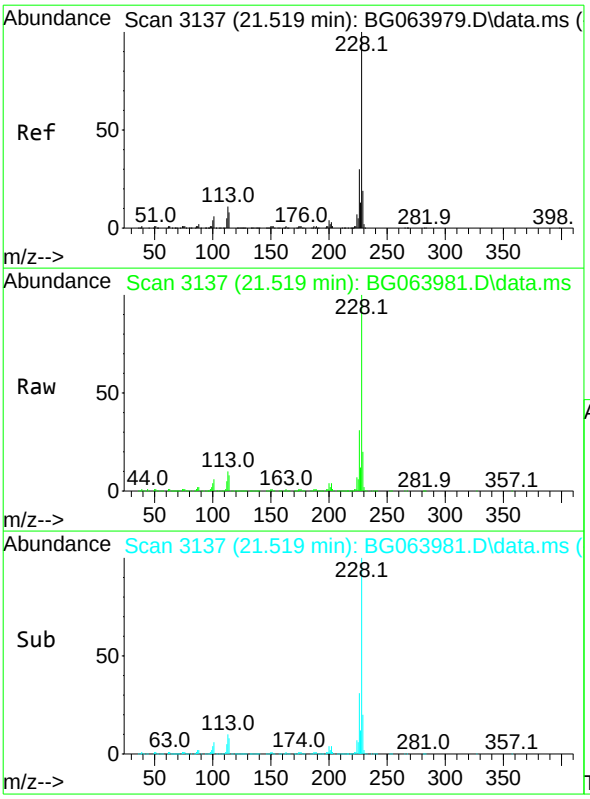


#82
3,3'-Dichlorobenzidine
Concen: 66.780 ng
RT: 21.378 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:252 Resp: 577836

Ion	Ratio	Lower	Upper
252	100		
254	65.2	50.8	76.2
126	9.9	8.2	12.2



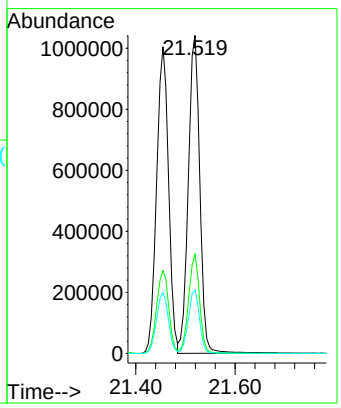


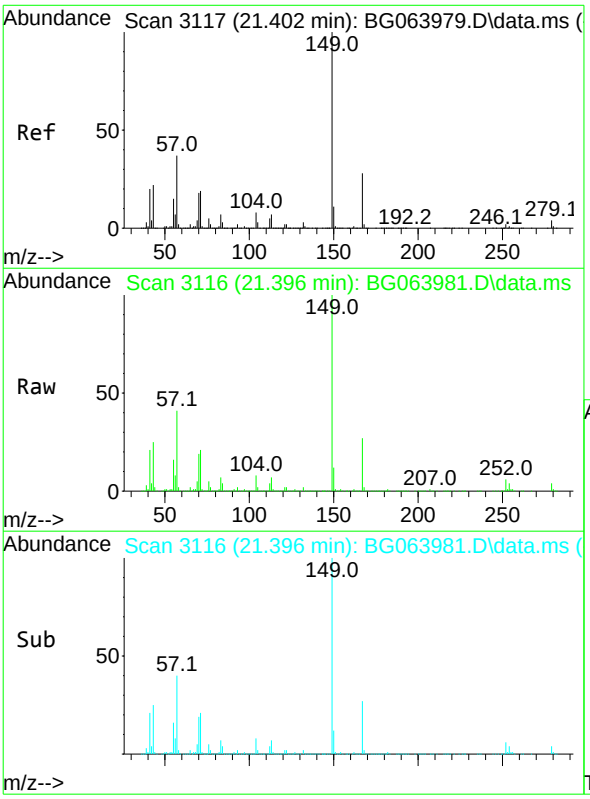
#83
Chrysene
Concen: 60.428 ng
RT: 21.519 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1670874

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	19.9	15.4	23.0

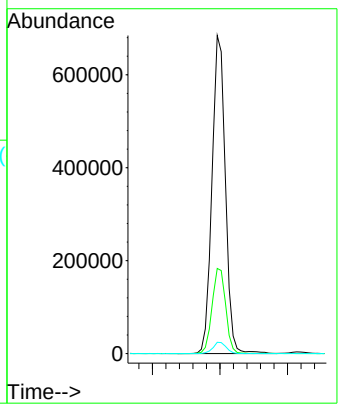


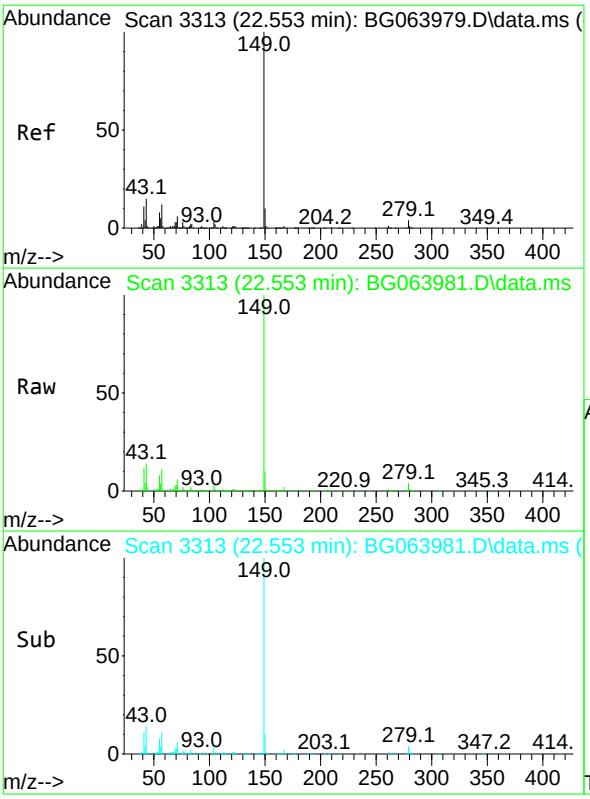


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.915 ng
RT: 21.396 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:149 Resp: 941531

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.5	33.7
279	3.6	3.0	4.4



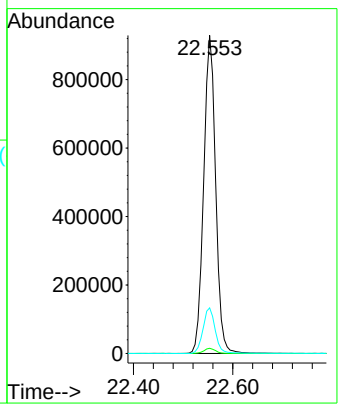


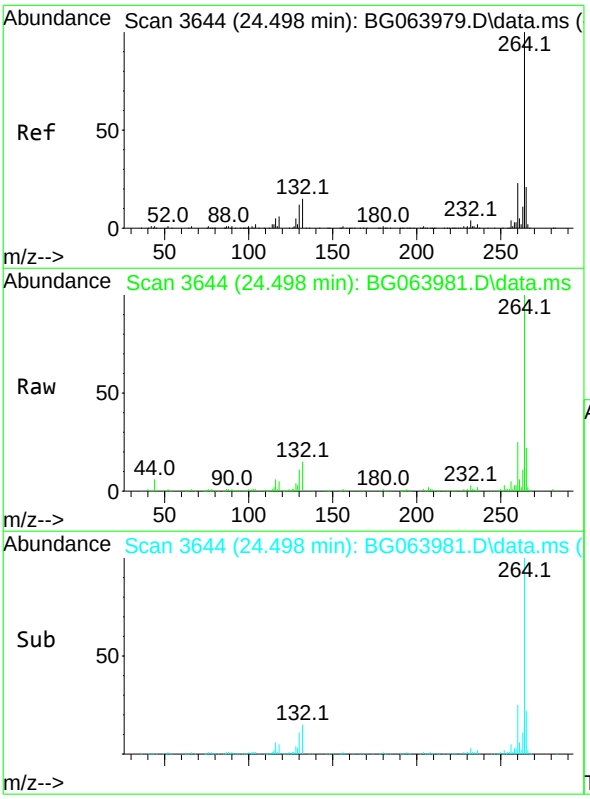
#85
Di-n-octyl phthalate
Concen: 60.567 ng
RT: 22.553 min Scan# 33
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1552170

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	14.7	12.3	18.5

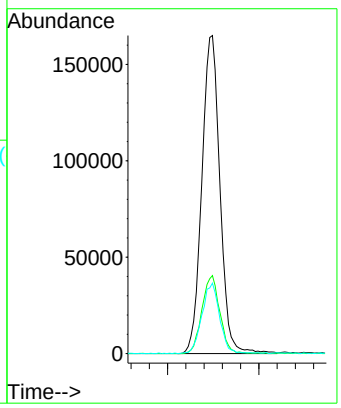


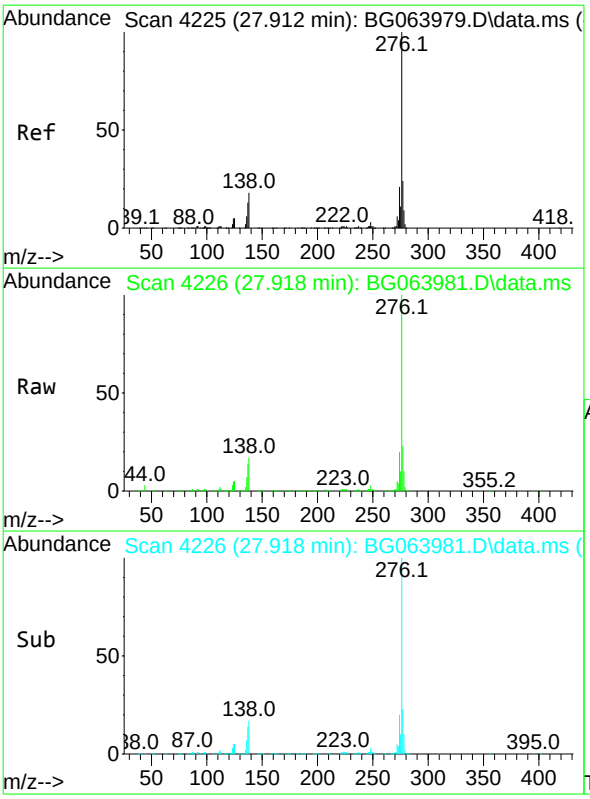


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.498 min Scan# 3644
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:264 Resp: 454744

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.1	16.6	24.8



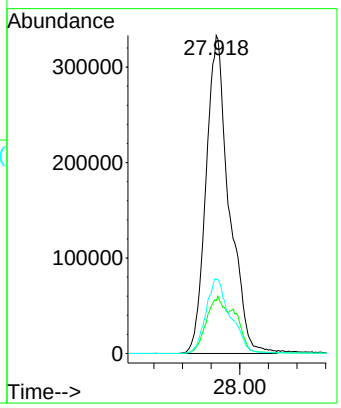


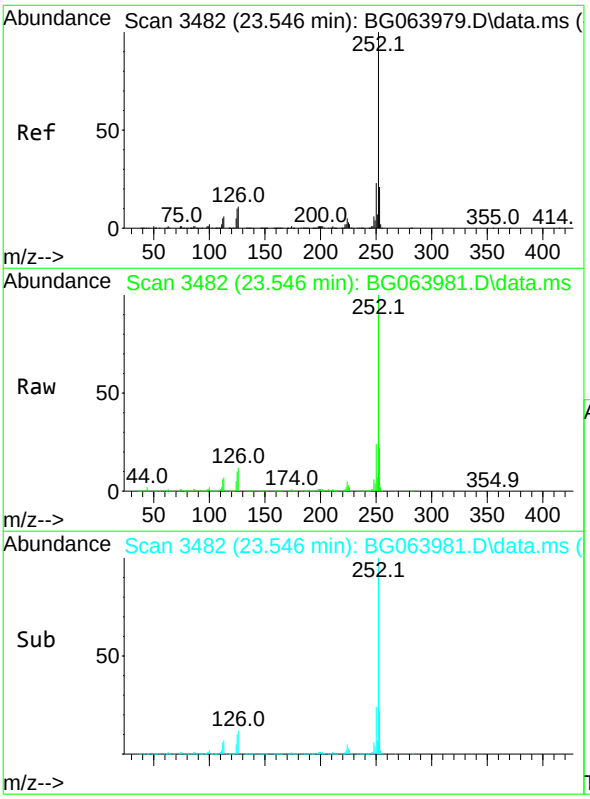
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.528 ng
RT: 27.918 min Scan# 42
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1863733

Ion	Ratio	Lower	Upper
276	100		
138	14.9	10.7	16.1
277	24.9	20.2	30.4

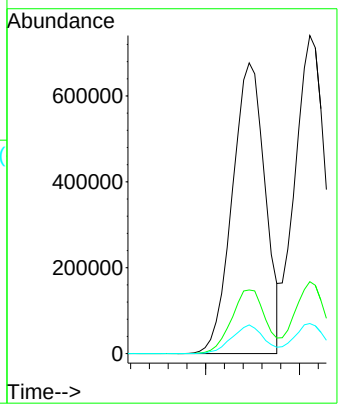


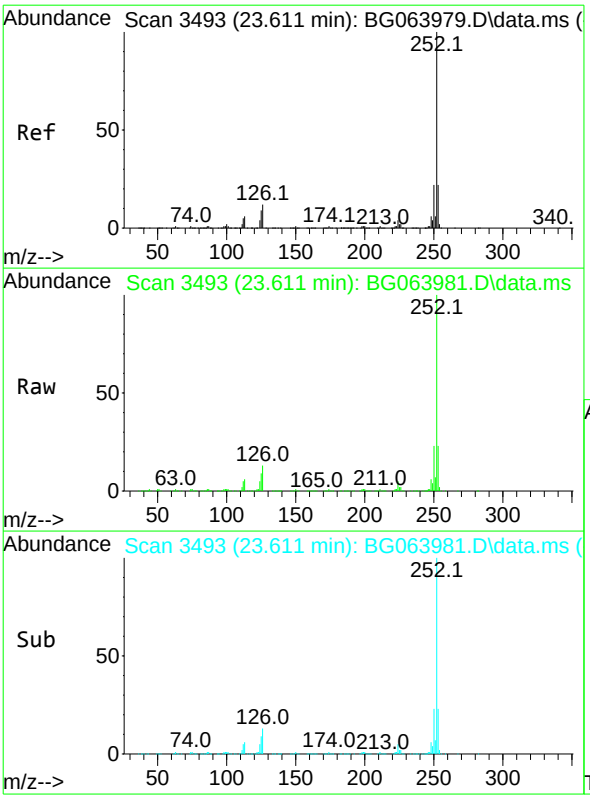


#88
Benzo(b)fluoranthene
Concen: 61.512 ng
RT: 23.546 min Scan# 3482
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:252 Resp: 1647154

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.9	25.3
125	9.9	7.9	11.9



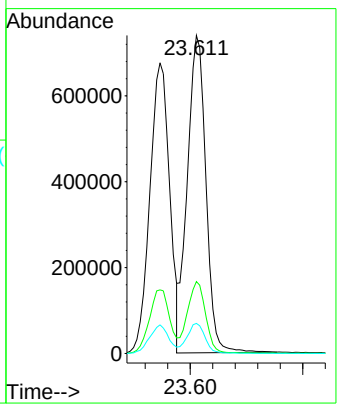


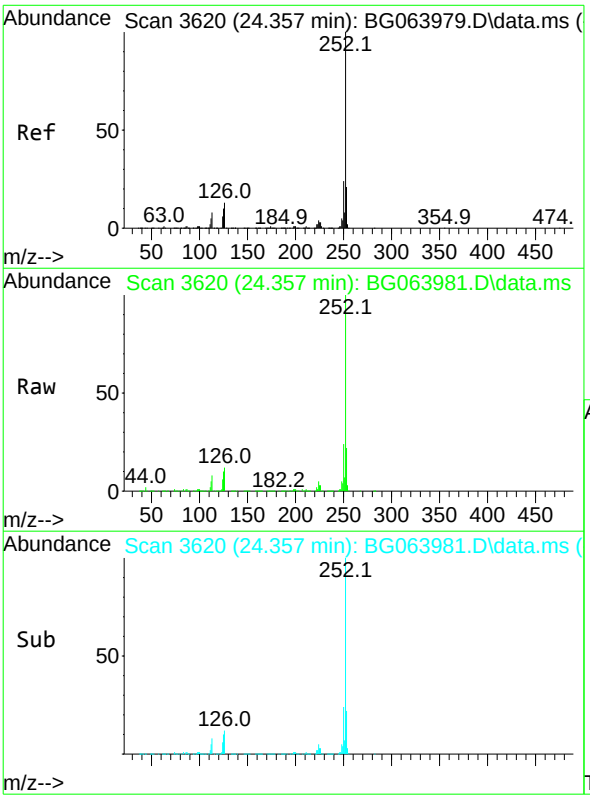
#89
Benzo(k)fluoranthene
Concen: 61.726 ng
RT: 23.611 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1697188

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.5	7.5	11.3

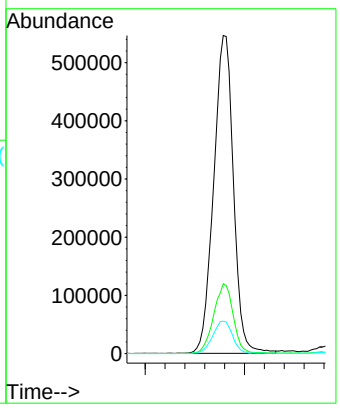


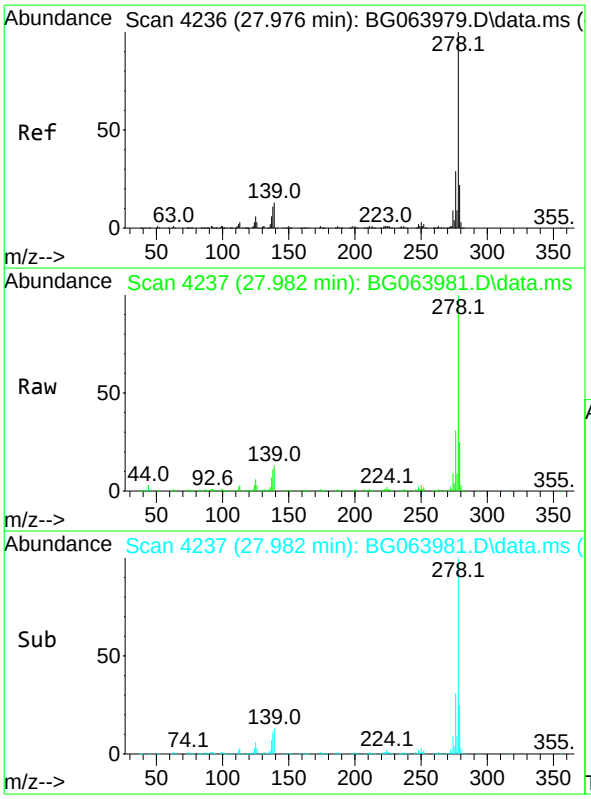


#90
Benzo(a)pyrene
Concen: 63.195 ng
RT: 24.357 min Scan# 3620
Delta R.T. 0.000 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:252 Resp: 1510463

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.2	7.9	11.9



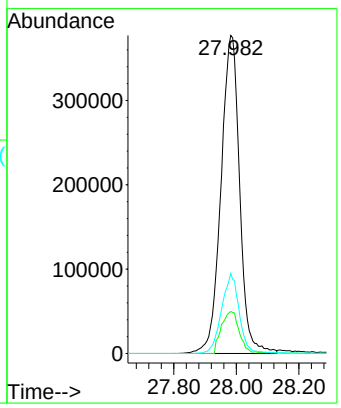


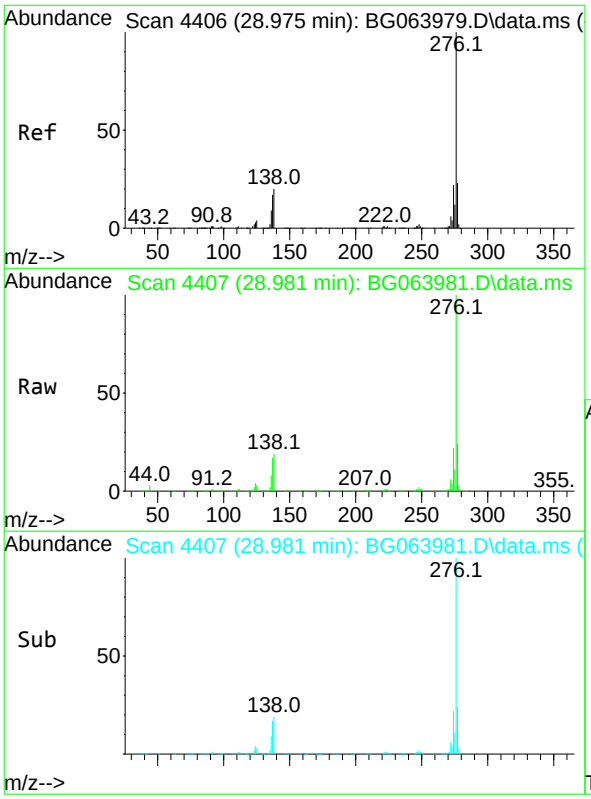
#91
Dibenzo(a,h)anthracene
Concen: 63.190 ng
RT: 27.982 min Scan# 42
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1565343

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.8	16.2
279	25.1	17.8	26.6

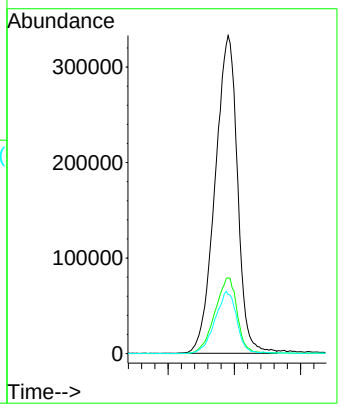




#92
Benzo(g,h,i)perylene
Concen: 62.604 ng
RT: 28.981 min Scan# 4407
Delta R.T. 0.006 min
Lab File: BG063981.D
Acq: 3 Feb 2025 15:04

Tgt Ion:276 Resp: 1565587

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.2	27.4
138	18.6	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063982.D
Acq On : 3 Feb 2025 15:42
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Quant Time: Feb 04 02:47:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.878	152	62459	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	273389	20.000	ng		0.00
39) Acenaphthene-d10	14.500	164	186977	20.000	ng		0.00
64) Phenanthrene-d10	17.238	188	403592	20.000	ng		0.00
76) Chrysene-d12	21.474	240	417408	20.000	ng		0.00
86) Perylene-d12	24.506	264	436876	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.463	112	650899	167.085	ng		0.00
7) Phenol-d6	7.044	99	902102	168.742	ng		0.00
23) Nitrobenzene-d5	9.036	82	839767	186.683	ng		0.00
42) 2,4,6-Tribromophenol	15.986	330	355478	160.485	ng		0.00
45) 2-Fluorobiphenyl	13.131	172	1852954	151.836	ng		0.00
79) Terphenyl-d14	19.864	244	2922013	146.200	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.389	88	136601	73.835	ng		97
3) Pyridine	3.777	79	403771m	80.788	ng		
4) n-Nitrosodimethylamine	3.689	42	231590	80.620	ng		98
6) Aniline	7.208	93	468274	81.738	ng		97
8) 2-Chlorophenol	7.443	128	349575	88.064	ng		99
9) Benzaldehyde	7.015	77	183513	62.880	ng		98
10) Phenol	7.073	94	473065	84.063	ng		99
11) bis(2-Chloroethyl)ether	7.308	93	356668	78.709	ng		99
12) 1,3-Dichlorobenzene	7.767	146	361404	76.511	ng		100
13) 1,4-Dichlorobenzene	7.914	146	365887	76.698	ng		98
14) 1,2-Dichlorobenzene	8.231	146	361228	79.004	ng		99
15) Benzyl Alcohol	8.113	79	354699	88.766	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.413	45	748382	82.015	ng		100
17) 2-Methylphenol	8.313	107	313301	86.082	ng		97
18) Hexachloroethane	8.959	117	132894	84.647	ng		93
19) n-Nitroso-di-n-propyla...	8.689	70	316993	85.624	ng	#	95
20) 3+4-Methylphenols	8.648	107	426775	88.016	ng		99
22) Acetophenone	8.695	105	603404	80.330	ng	#	97
24) Nitrobenzene	9.077	77	434588	80.742	ng		98
25) Isophorone	9.600	82	823666	84.466	ng		99
27) 2,4-Dimethylphenol	9.841	122	250246	89.211	ng		96
28) bis(2-Chloroethoxy)met...	10.082	93	517846	83.457	ng		99
29) 2,4-Dichlorophenol	10.311	162	329456	81.039	ng		97
30) 1,2,4-Trichlorobenzene	10.528	180	371697	80.656	ng		97
31) Naphthalene	10.716	128	1179655	80.482	ng		99
32) Benzoic acid	10.023	122	207541m	79.387	ng		
33) 4-Chloroaniline	10.822	127	469625	83.625	ng		98
34) Hexachlorobutadiene	11.010	225	237954	81.081	ng		99
35) Caprolactam	11.609	113	117009m	77.841	ng		
36) 4-Chloro-3-methylphenol	11.944	107	401026	89.317	ng		99
37) 2-Methylnaphthalene	12.326	142	824161	80.688	ng		96
38) 1-Methylnaphthalene	12.543	142	815579	80.698	ng		98
40) 1,2,4,5-Tetrachloroben...	12.690	216	443056	80.354	ng		99
41) Hexachlorocyclopentadiene	12.679	237	142868	96.043	ng		98
43) 2,4,6-Trichlorophenol	12.931	196	276858	81.598	ng		97
44) 2,4,5-Trichlorophenol	13.002	196	305225	80.794	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063982.D
Acq On : 3 Feb 2025 15:42
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Quant Time: Feb 04 02:47:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.337	154	1116671	78.441	ng	98
47) 2-Chloronaphthalene	13.378	162	832679	80.250	ng	98
48) 2-Nitroaniline	13.572	65	267219	79.130	ng	97
49) Acenaphthylene	14.224	152	1296806	80.463	ng	99
50) Dimethylphthalate	13.965	163	1076898	86.865	ng	100
51) 2,6-Dinitrotoluene	14.077	165	216080	79.007	ng	91
52) Acenaphthene	14.565	154	883156	81.692	ng	98
53) 3-Nitroaniline	14.400	138	231035	80.061	ng	97
54) 2,4-Dinitrophenol	14.606	184	63523	79.449	ng	88
55) Dibenzofuran	14.899	168	1369362	78.009	ng	98
56) 4-Nitrophenol	14.706	139	192405	80.216	ng	95
57) 2,4-Dinitrotoluene	14.858	165	285847	78.838	ng	97
58) Fluorene	15.552	166	1034340	76.235	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.123	232	299460	81.064	ng	99
60) Diethylphthalate	15.334	149	1126041	85.669	ng	99
61) 4-Chlorophenyl-phenyle...	15.546	204	524356	77.025	ng	99
62) 4-Nitroaniline	15.569	138	235601	77.688	ng	96
63) Azobenzene	15.840	77	1216060	78.330	ng	100
65) 4,6-Dinitro-2-methylph...	15.622	198	110881	79.654	ng	96
66) n-Nitrosodiphenylamine	15.763	169	907085	81.062	ng	98
67) 4-Bromophenyl-phenylether	16.439	248	345807	86.083	ng	98
68) Hexachlorobenzene	16.550	284	378854	80.218	ng	95
69) Atrazine	16.709	200	316302	84.940	ng	98
70) Pentachlorophenol	16.891	266	251409	81.316	ng	97
71) Phenanthrene	17.285	178	1652070	77.937	ng	99
72) Anthracene	17.373	178	1679507	79.182	ng	99
73) Carbazole	17.637	167	1543432	77.732	ng	99
74) Di-n-butylphthalate	18.219	149	1845855	89.183	ng	99
75) Fluoranthene	19.294	202	1954193	75.708	ng	98
77) Benzidine	19.476	184	819347	92.181	ng	98
78) Pyrene	19.653	202	2029361	78.753	ng	98
80) Butylbenzylphthalate	20.558	149	766231	80.855	ng	98
81) Benzo(a)anthracene	21.456	228	2094477	79.032	ng	97
82) 3,3'-Dichlorobenzidine	21.380	252	735114	89.070	ng	99
83) Chrysene	21.521	228	2033841	77.117	ng	99
84) Bis(2-ethylhexyl)phtha...	21.404	149	1206467	80.301	ng	99
85) Di-n-octyl phthalate	22.561	149	2046672	81.075	ng	99
87) Indeno(1,2,3-cd)pyrene	27.943	276	2396769	85.039	ng	99
88) Benzo(b)fluoranthene	23.554	252	2114269	82.186	ng	99
89) Benzo(k)fluoranthene	23.619	252	2170201	82.157	ng	99
90) Benzo(a)pyrene	24.371	252	1922777	83.736	ng	99
91) Dibenzo(a,h)anthracene	28.008	278	2031458	85.360	ng	98
92) Benzo(g,h,i)perylene	29.012	276	2039172	84.876	ng	98

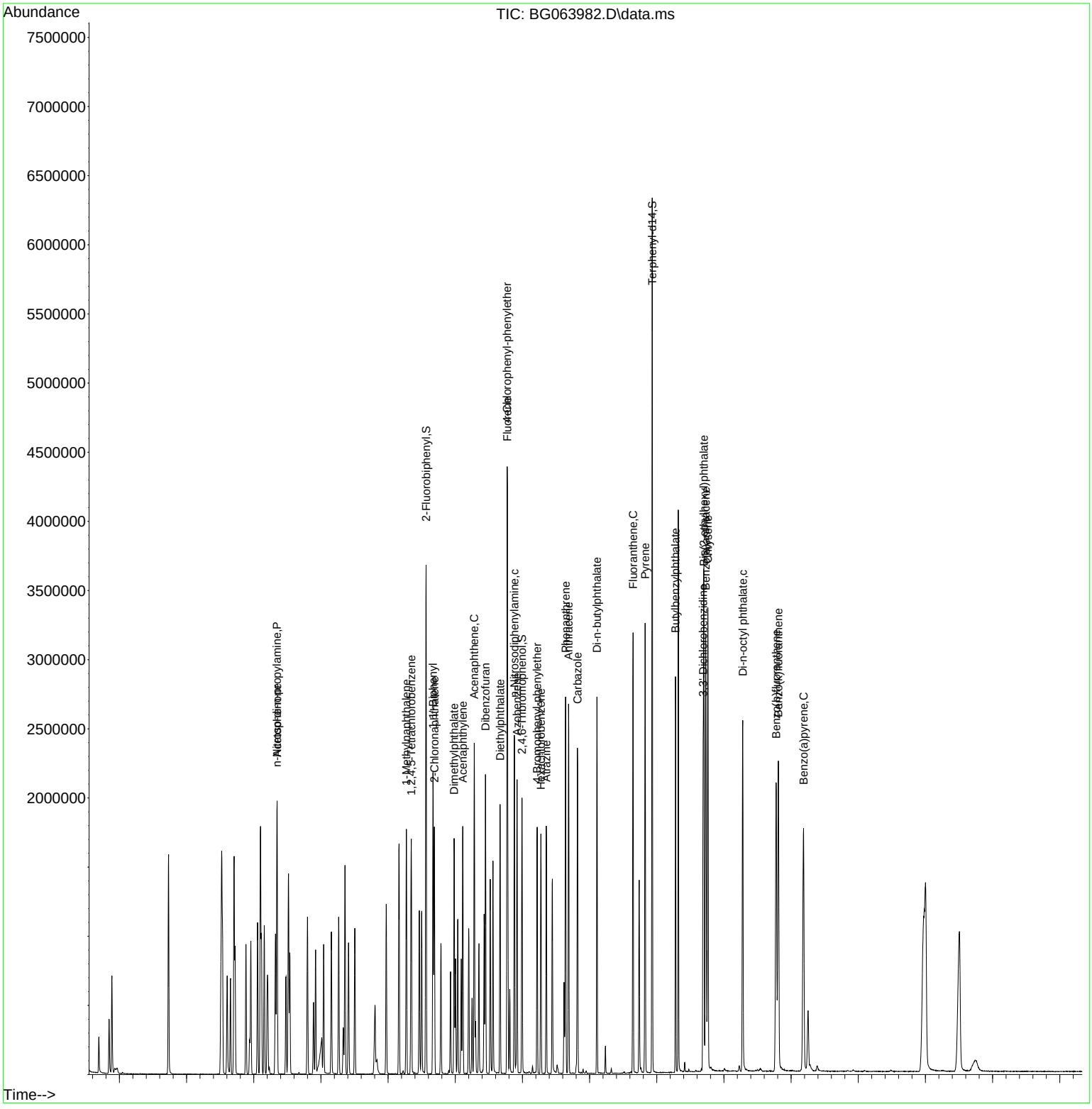
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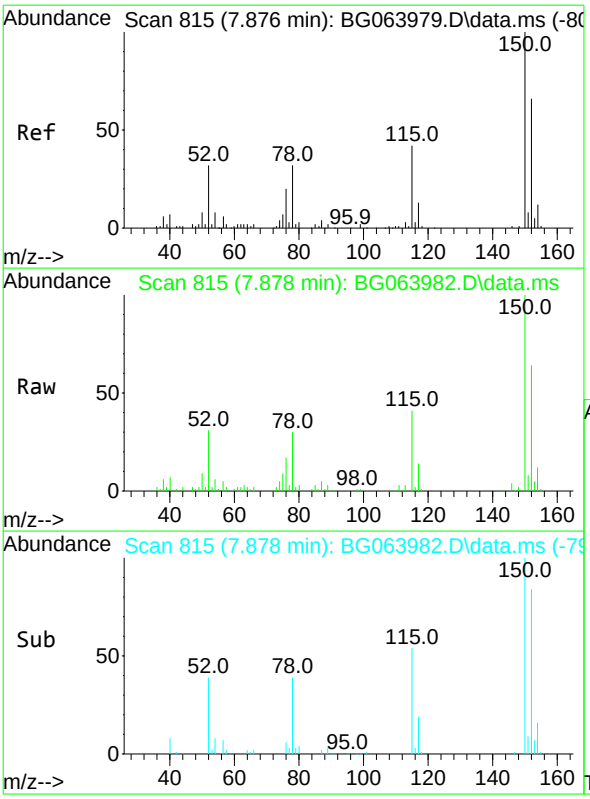
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063982.D
Acq On : 3 Feb 2025 15:42
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Quant Time: Feb 04 02:47:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:44:47 2025
Response via : Initial Calibration



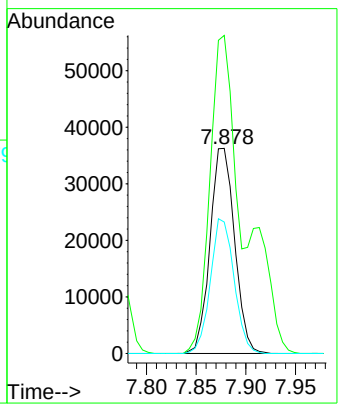


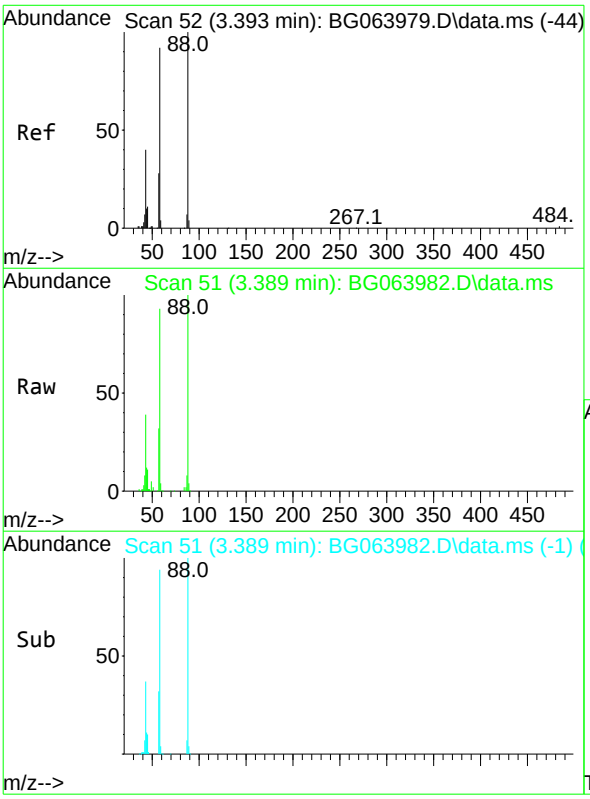
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.878 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 62459

Ion	Ratio	Lower	Upper
152	100		
150	155.1	121.0	181.6
115	64.1	50.4	75.6

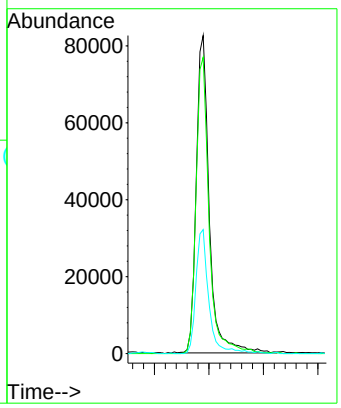


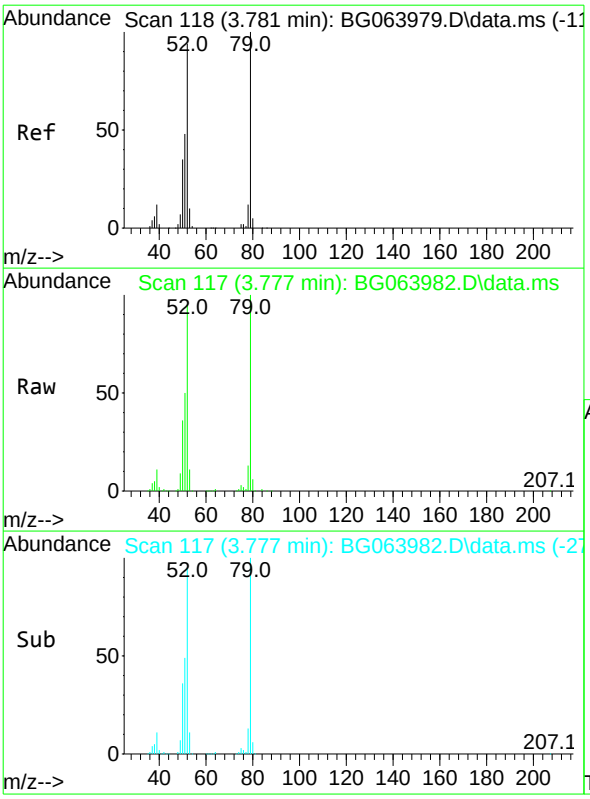


#2
1,4-Dioxane
Concen: 73.835 ng
RT: 3.389 min Scan# 51
Delta R.T. -0.004 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 88 Resp: 136601

Ion	Ratio	Lower	Upper
88	100		
58	93.6	71.8	107.8
43	38.6	31.2	46.8



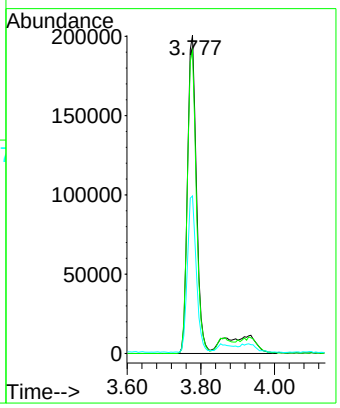


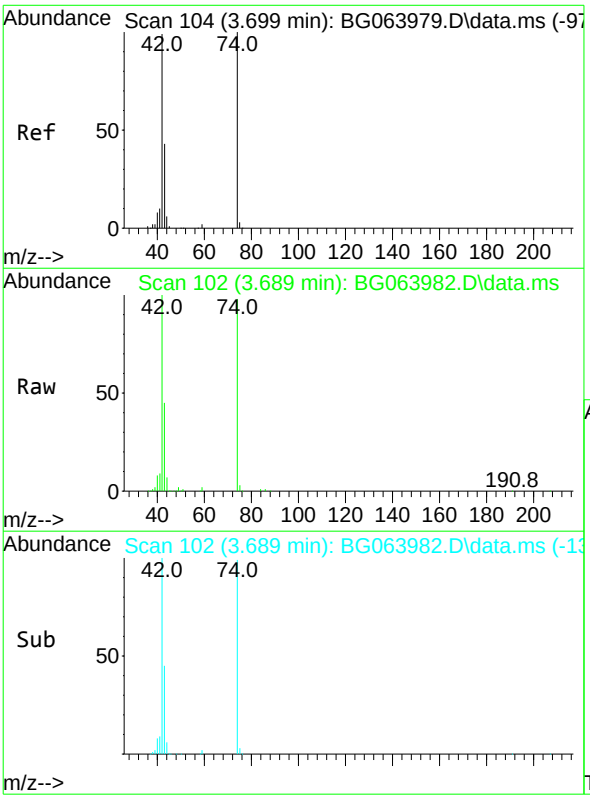
#3
Pyridine
Concen: 80.788 ng m
RT: 3.777 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 403771

Ion	Ratio	Lower	Upper
79	100		
52	95.1	75.1	112.7
51	49.5	38.9	58.3

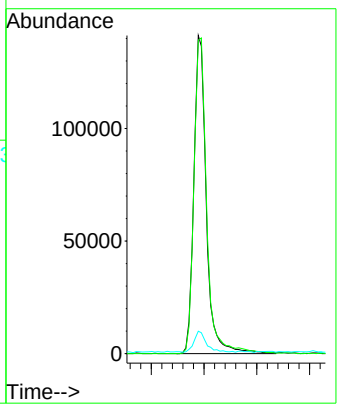


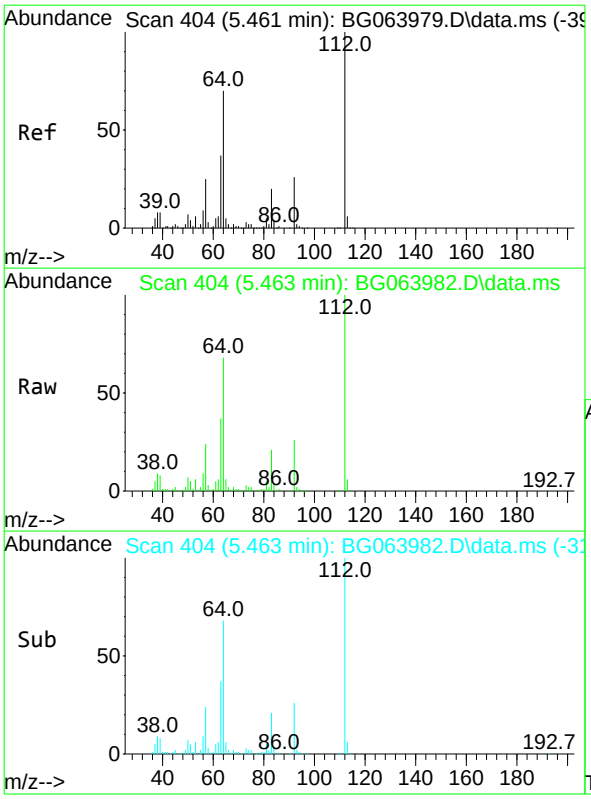


#4
n-Nitrosodimethylamine
Concen: 80.620 ng
RT: 3.689 min Scan# 102
Delta R.T. -0.010 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 42 Resp: 231590

Ion	Ratio	Lower	Upper
42	100		
74	98.5	80.8	121.2
44	7.0	5.8	8.6



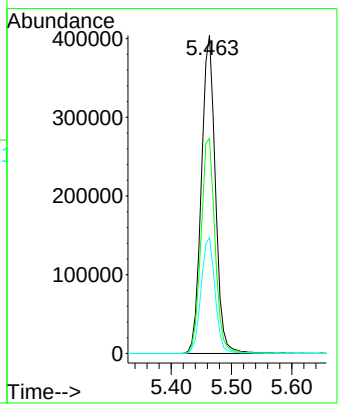


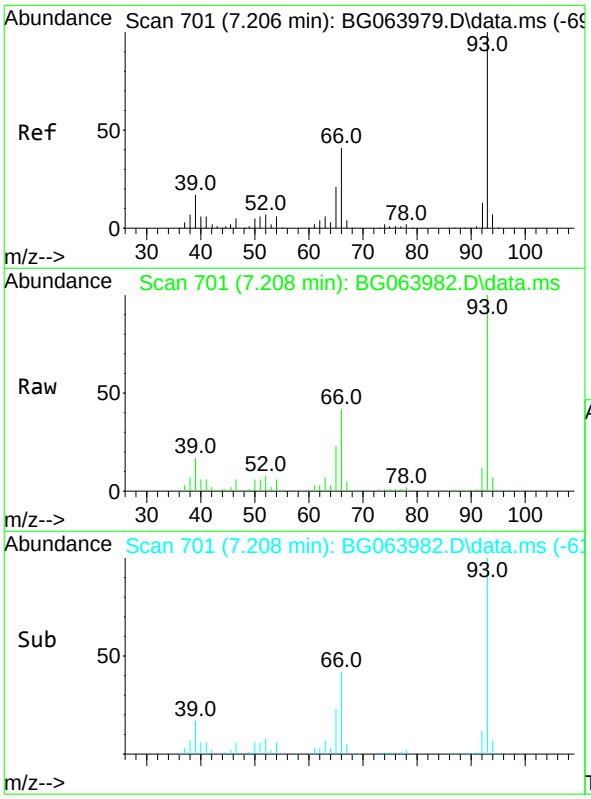
#5
2-Fluorophenol
Concen: 167.085 ng
RT: 5.463 min Scan# 40
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 650899

Ion	Ratio	Lower	Upper
112	100		
64	67.6	55.8	83.8
63	36.5	29.3	43.9

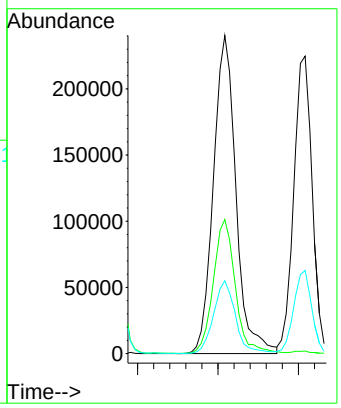


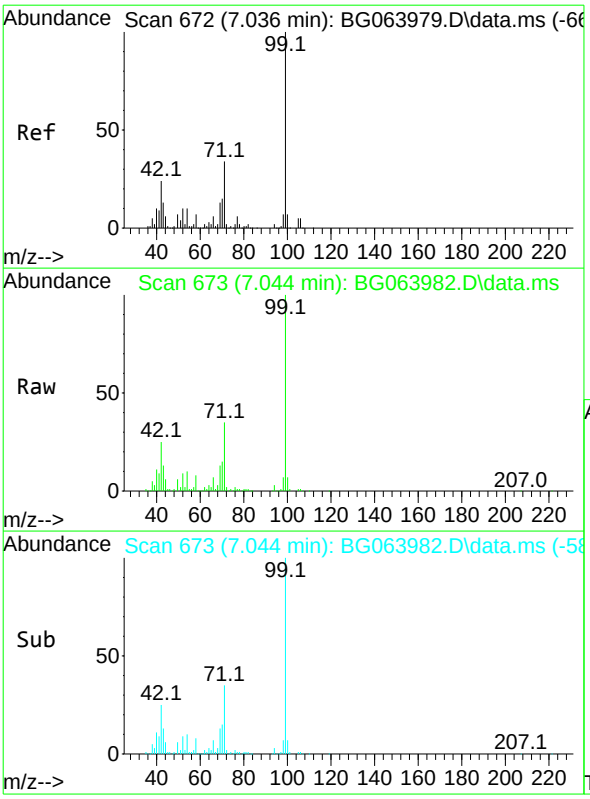


#6
Aniline
Concen: 81.738 ng
RT: 7.208 min Scan# 701
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 93 Resp: 468274

Ion	Ratio	Lower	Upper
93	100		
66	42.2	32.5	48.7
65	22.9	16.6	25.0



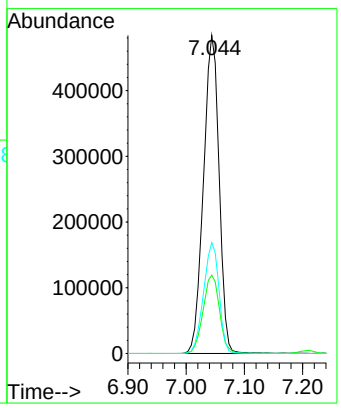


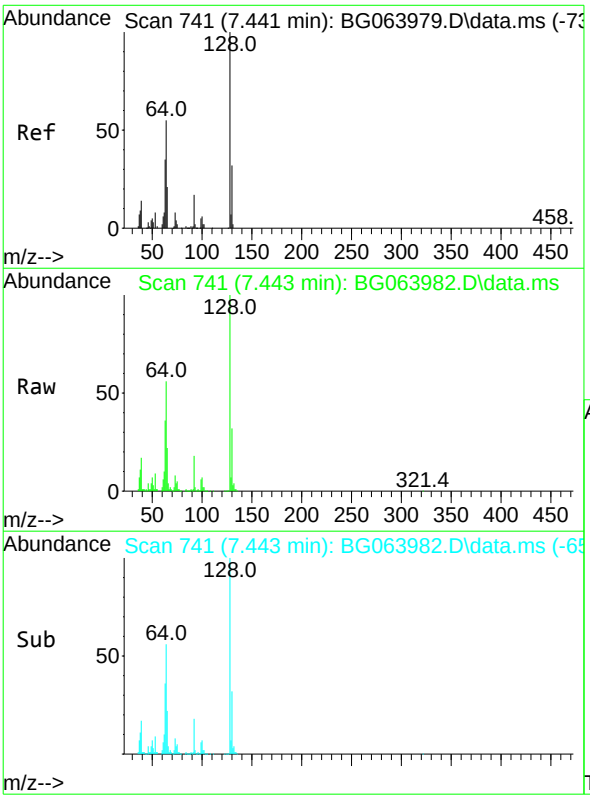
#7
Phenol-d6
Concen: 168.742 ng
RT: 7.044 min Scan# 67
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 902102

Ion	Ratio	Lower	Upper
99	100		
42	24.6	18.9	28.3
71	34.8	27.0	40.6

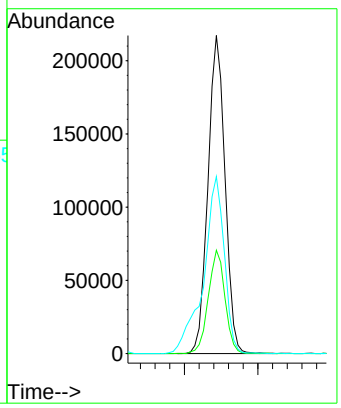


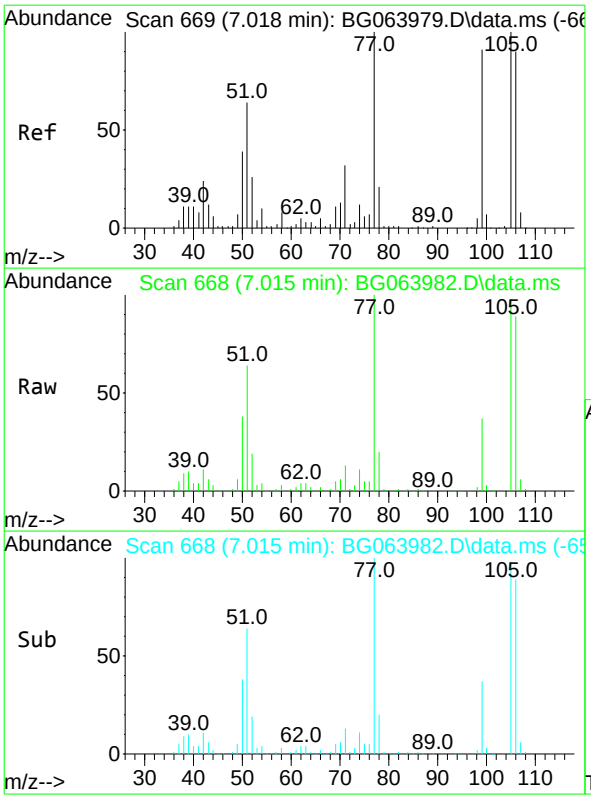


#8
2-Chlorophenol
Concen: 88.064 ng
RT: 7.443 min Scan# 741
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:128 Resp: 349575

Ion	Ratio	Lower	Upper
128	100		
130	32.5	11.9	51.9
64	55.7	36.8	76.8



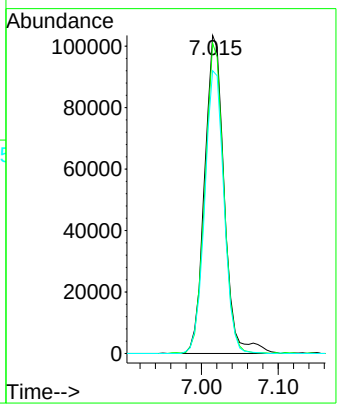


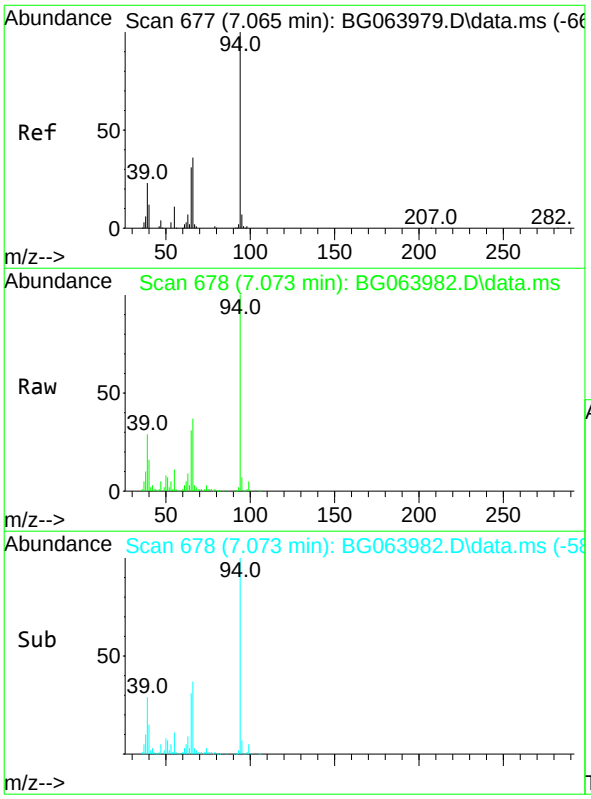
#9
Benzaldehyde
Concen: 62.880 ng
RT: 7.015 min Scan# 66
Delta R.T. -0.004 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 183513

Ion	Ratio	Lower	Upper
77	100		
105	97.5	79.8	119.8
106	88.9	69.9	109.9

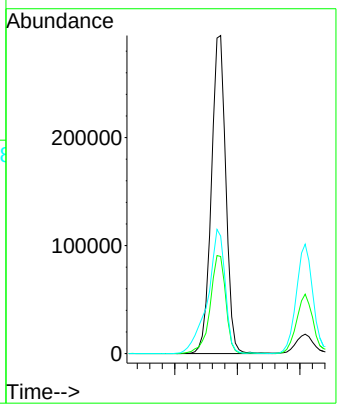


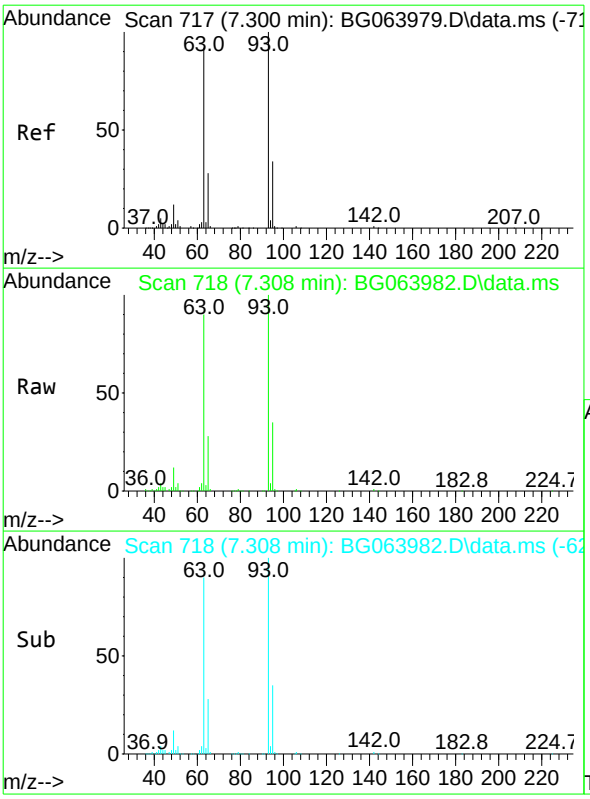


#10
Phenol
Concen: 84.063 ng
RT: 7.073 min Scan# 678
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 94 Resp: 473065

Ion	Ratio	Lower	Upper
94	100		
65	30.5	11.4	51.4
66	37.0	16.7	56.7



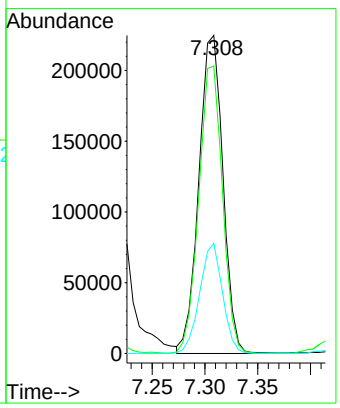


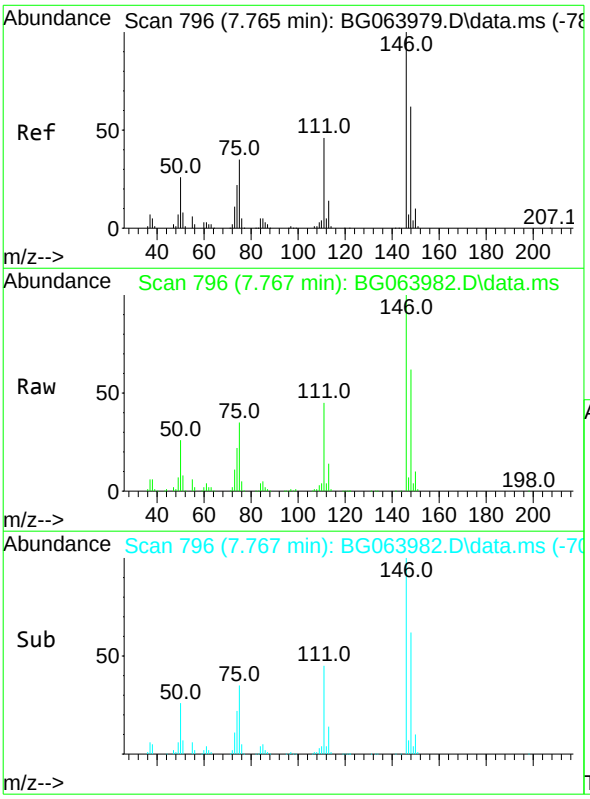
#11
bis(2-Chloroethyl)ether
Concen: 78.709 ng
RT: 7.308 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 356668

Ion	Ratio	Lower	Upper
93	100		
63	90.4	71.2	111.2
95	34.6	13.9	53.9

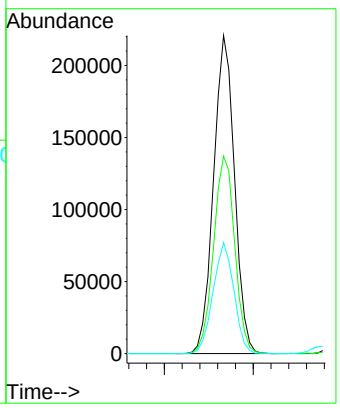


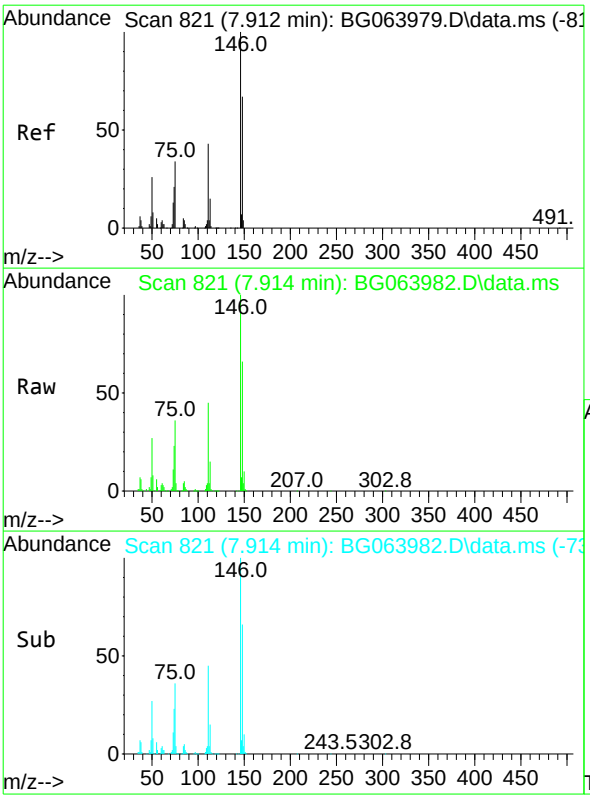


#12
1,3-Dichlorobenzene
Concen: 76.511 ng
RT: 7.767 min Scan# 796
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:146 Resp: 361404

Ion	Ratio	Lower	Upper
146	100		
148	62.1	49.6	74.4
75	34.9	27.8	41.8



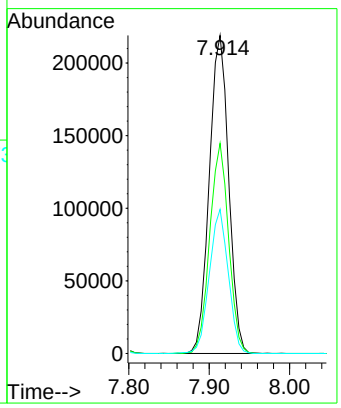


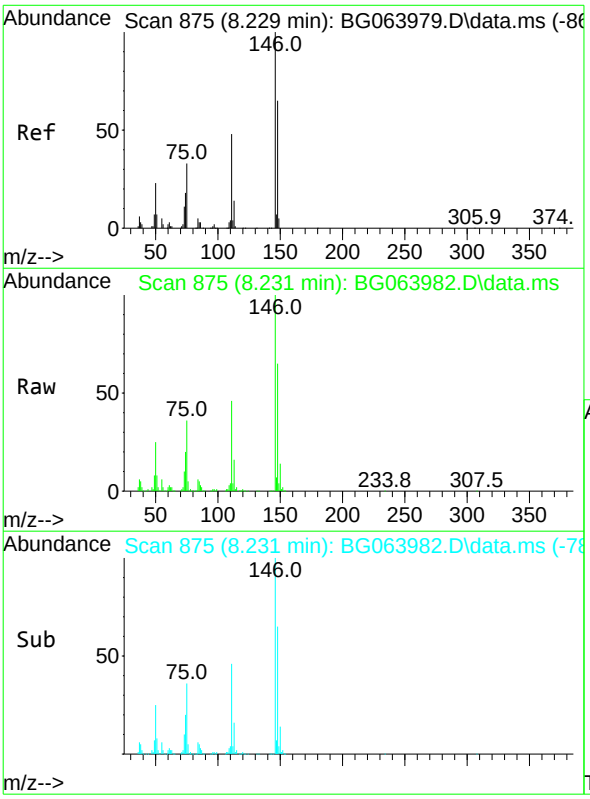
#13
1,4-Dichlorobenzene
Concen: 76.698 ng
RT: 7.914 min Scan# 82
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 365887

Ion	Ratio	Lower	Upper
146	100		
148	66.1	53.3	79.9
111	45.3	34.8	52.2

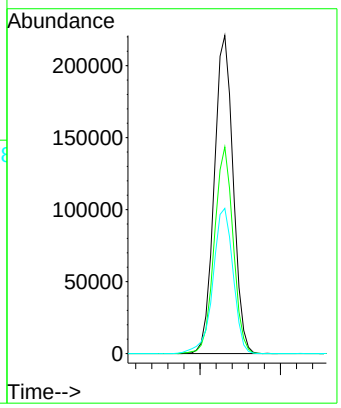


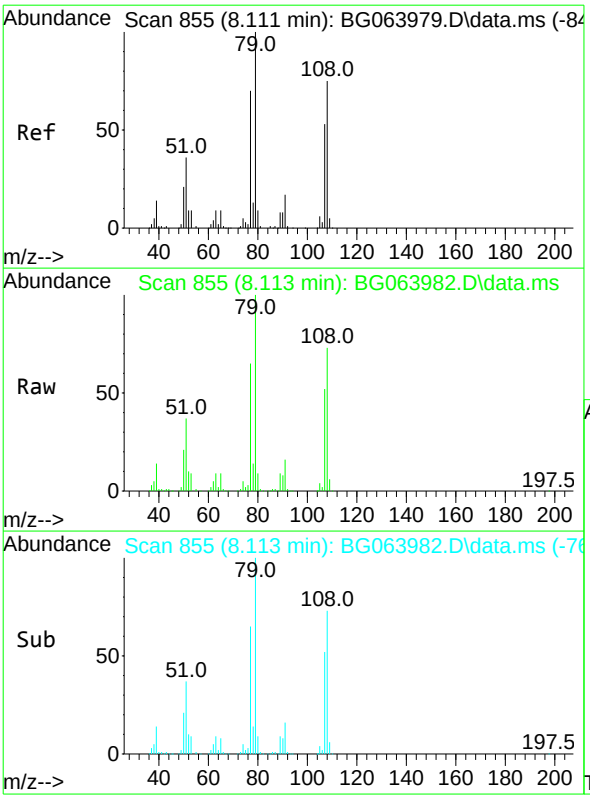


#14
1,2-Dichlorobenzene
Concen: 79.004 ng
RT: 8.231 min Scan# 875
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:146 Resp: 361228

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	45.7	38.2	57.2



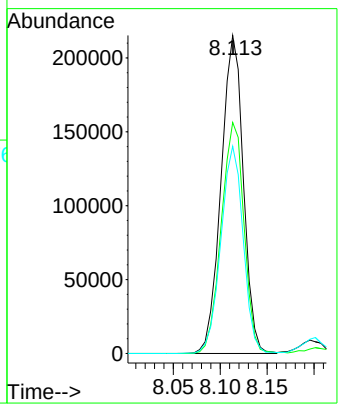


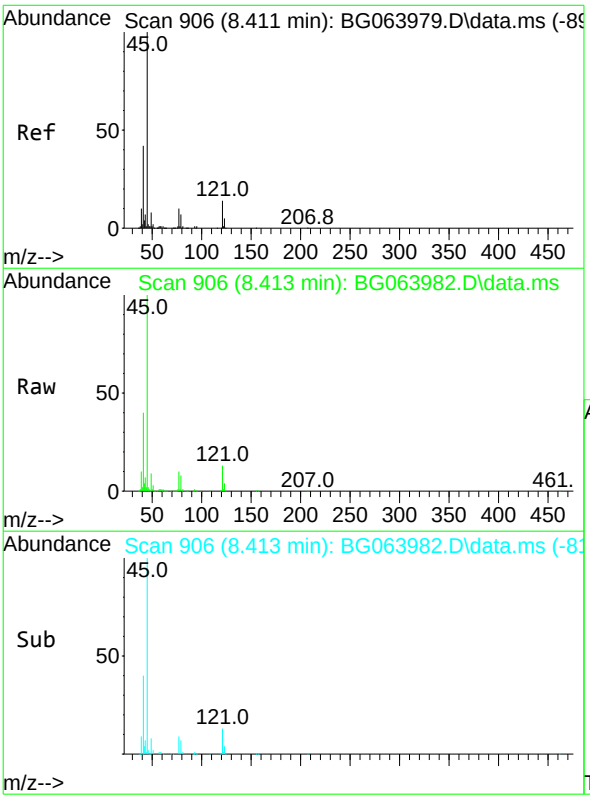
#15
Benzyl Alcohol
Concen: 88.766 ng
RT: 8.113 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 354699

Ion	Ratio	Lower	Upper
79	100		
108	72.6	60.3	90.5
77	65.2	55.8	83.8

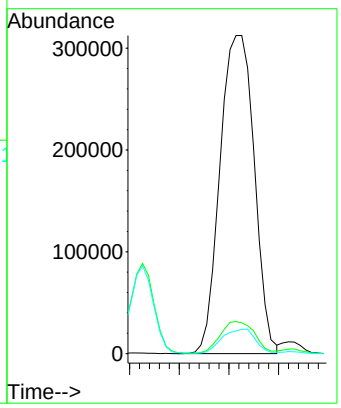


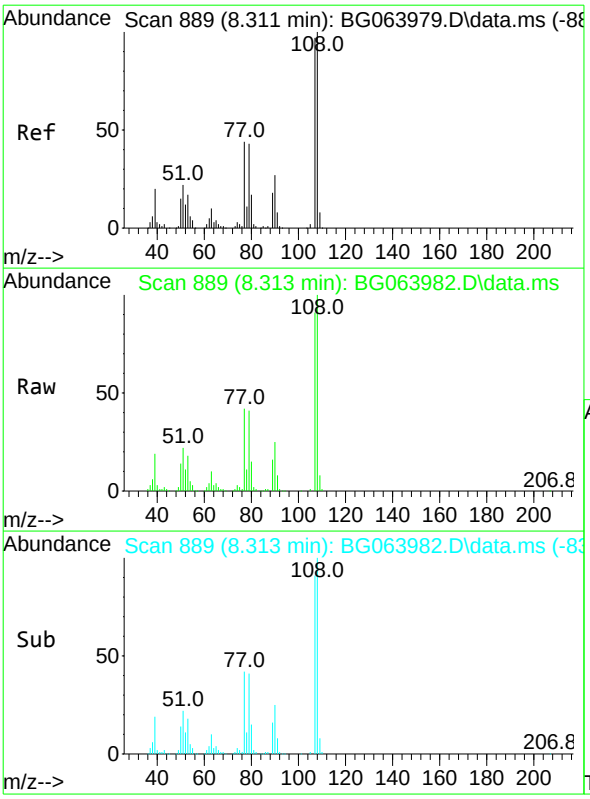


#16
2,2'-oxybis(1-Chloropropane)
Concen: 82.015 ng
RT: 8.413 min Scan# 906
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 45 Resp: 748382

Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	29.8
79	7.6	0.0	27.7



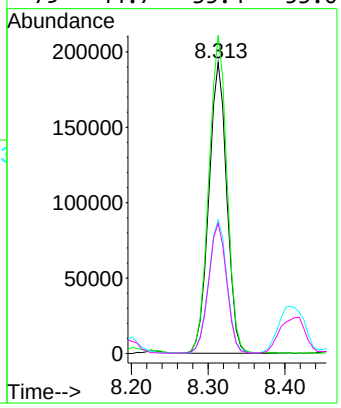


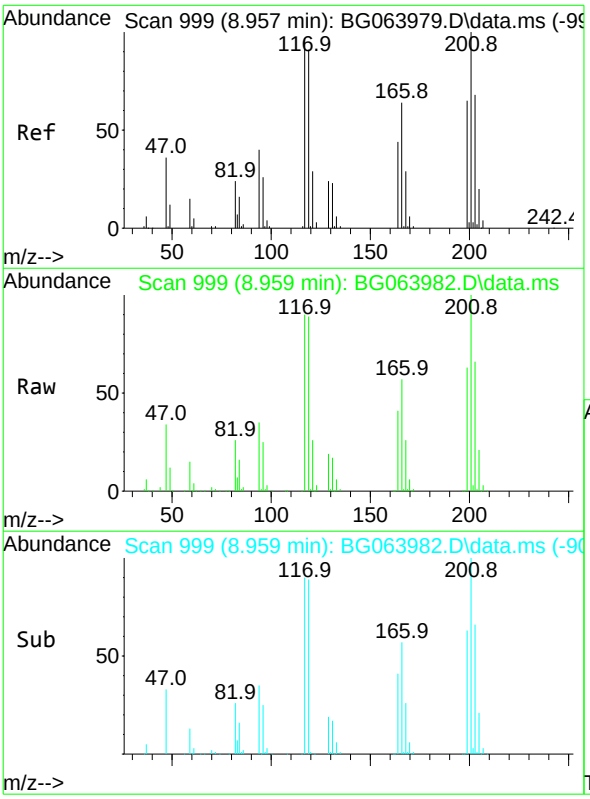
#17
2-Methylphenol
Concen: 86.082 ng
RT: 8.313 min Scan# 88
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 313301

Ion	Ratio	Lower	Upper
107	100		
108	109.3	82.9	124.3
77	45.9	36.4	54.6
79	44.7	35.4	53.0

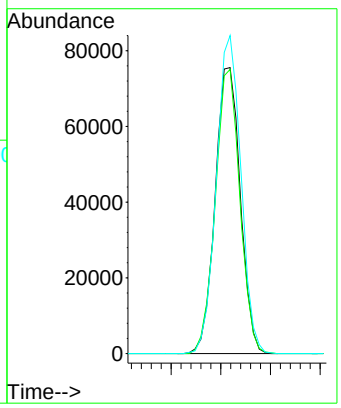


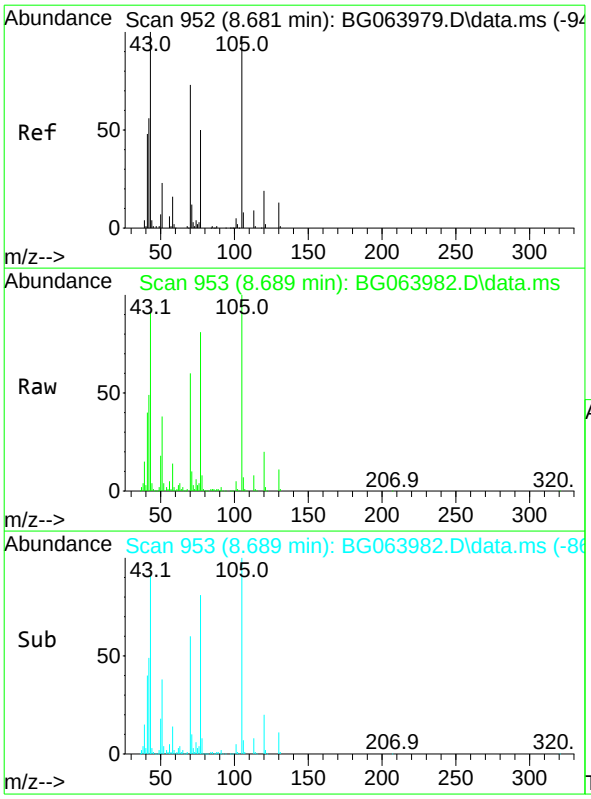


#18
Hexachloroethane
Concen: 84.647 ng
RT: 8.959 min Scan# 999
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:117 Resp: 132894

Ion	Ratio	Lower	Upper
117	100		
119	99.4	75.4	113.0
201	111.2	82.4	123.6



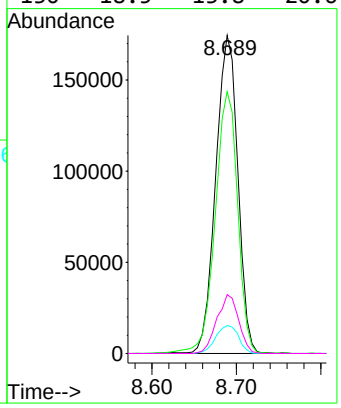


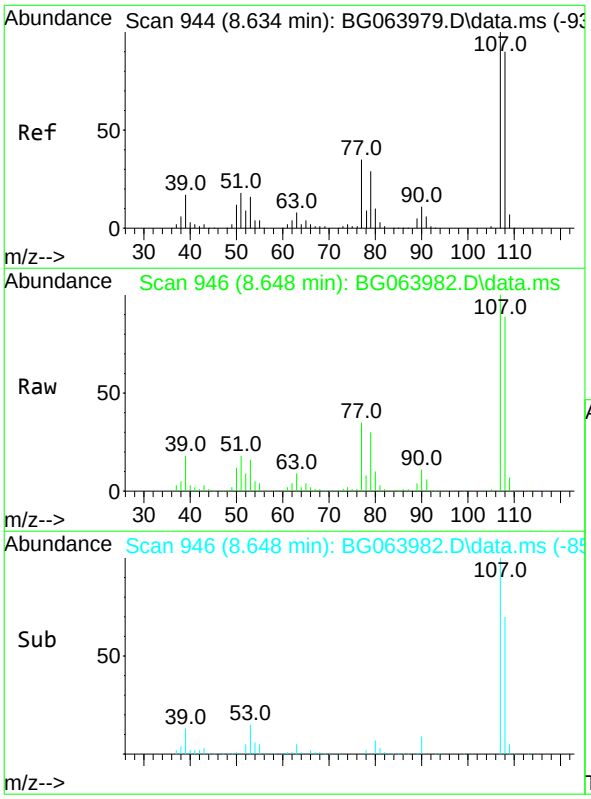
#19
n-Nitroso-di-n-propylamine
Concen: 85.624 ng
RT: 8.689 min Scan# 95
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 316993

Ion	Ratio	Lower	Upper
70	100		
42	82.3	62.2	93.4
101	8.8	5.6	8.4#
130	18.5	13.8	20.6

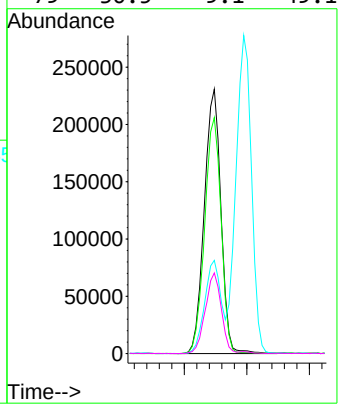


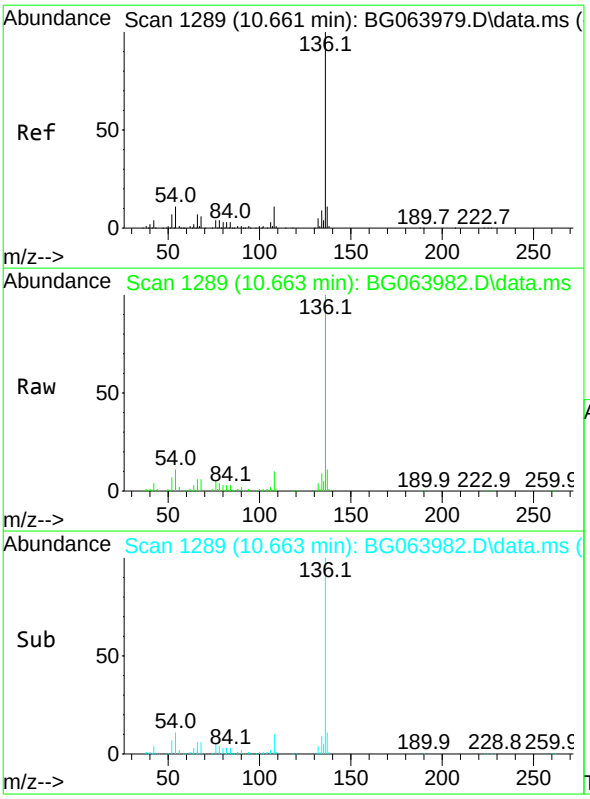


#20
3+4-Methylphenols
Concen: 88.016 ng
RT: 8.648 min Scan# 946
Delta R.T. 0.014 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:107 Resp: 426775

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.0	110.0
77	35.2	15.2	55.2
79	30.5	9.1	49.1



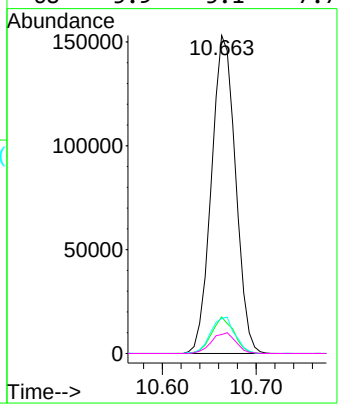


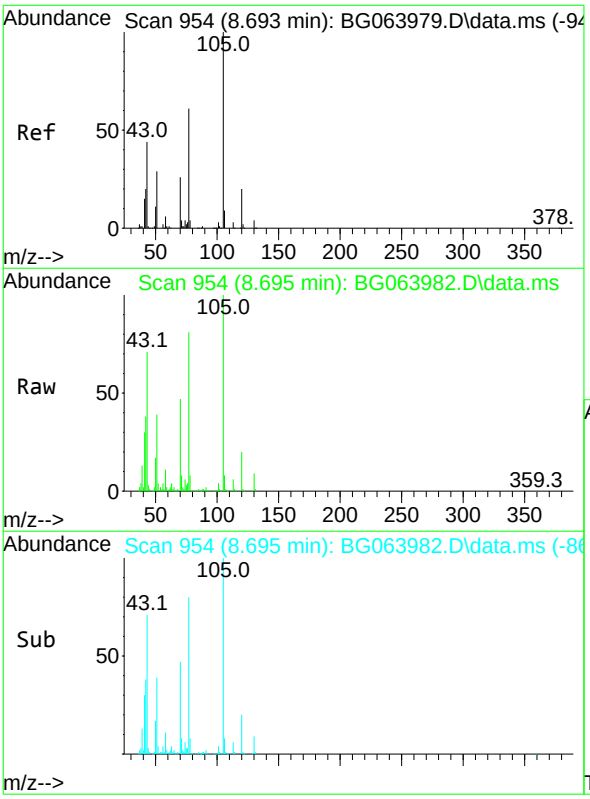
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 273389

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	11.0	9.2	13.8
68	5.9	5.1	7.7

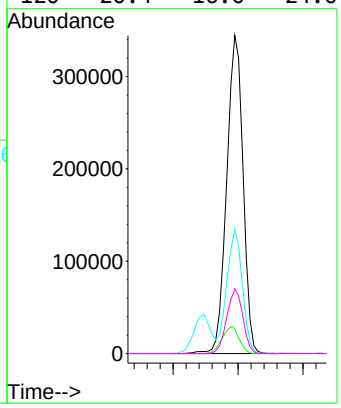


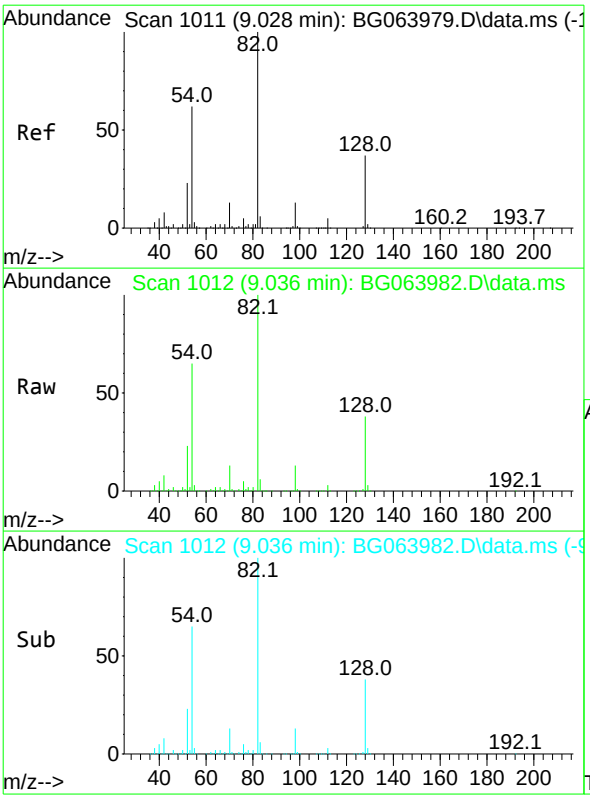


#22
Acetophenone
Concen: 80.330 ng
RT: 8.695 min Scan# 954
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:105 Resp: 603404

Ion	Ratio	Lower	Upper
105	100		
71	7.8	3.1	4.7#
51	39.0	29.9	44.9
120	20.4	16.0	24.0



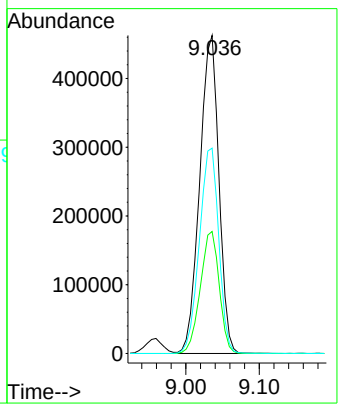


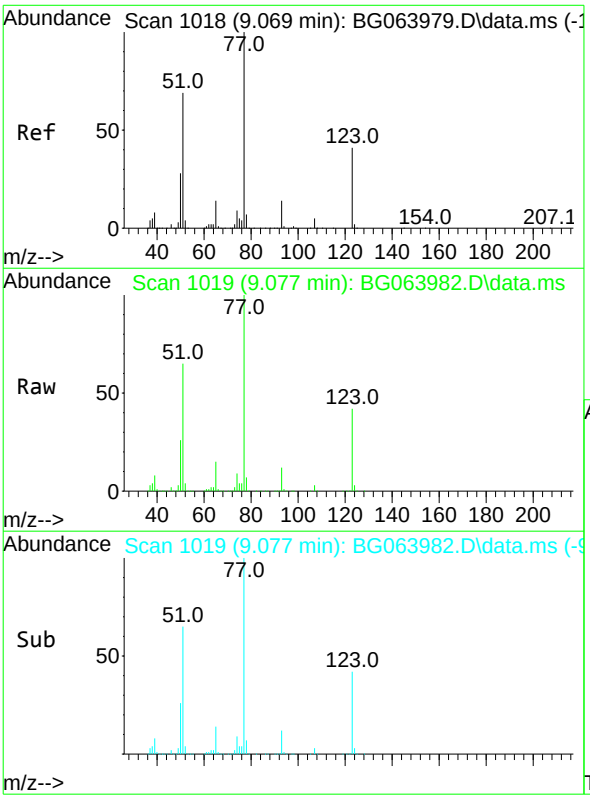
#23
Nitrobenzene-d5
Concen: 186.683 ng
RT: 9.036 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 839767

Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.4	44.2
54	64.6	49.9	74.9

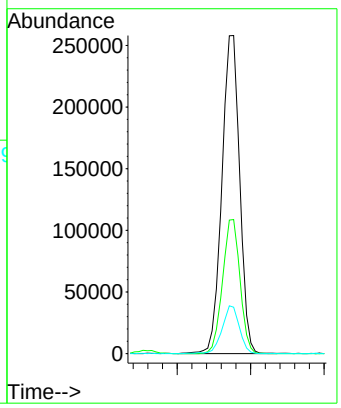


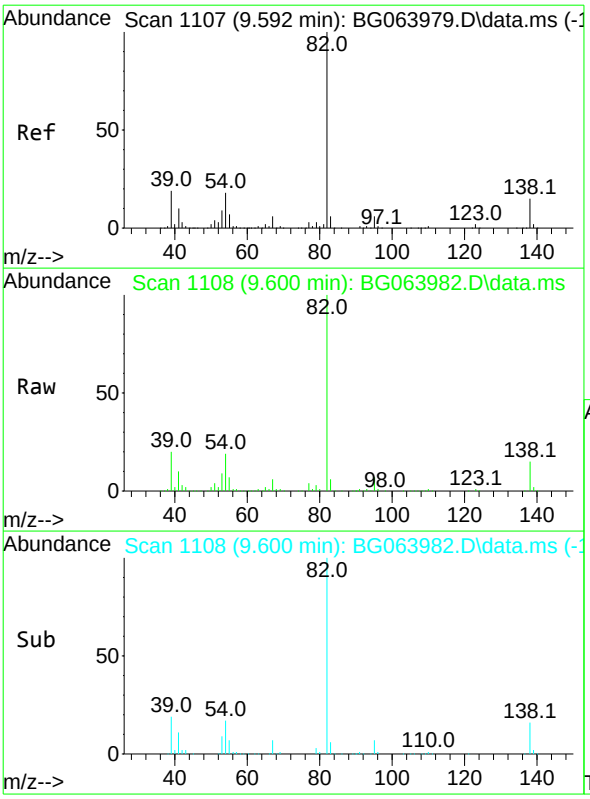


#24
Nitrobenzene
Concen: 80.742 ng
RT: 9.077 min Scan# 1019
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 77 Resp: 434588

Ion	Ratio	Lower	Upper
77	100		
123	42.1	32.9	49.3
65	14.6	11.0	16.6



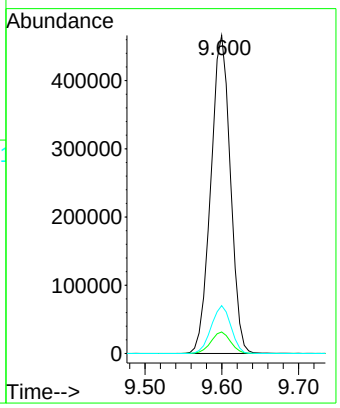


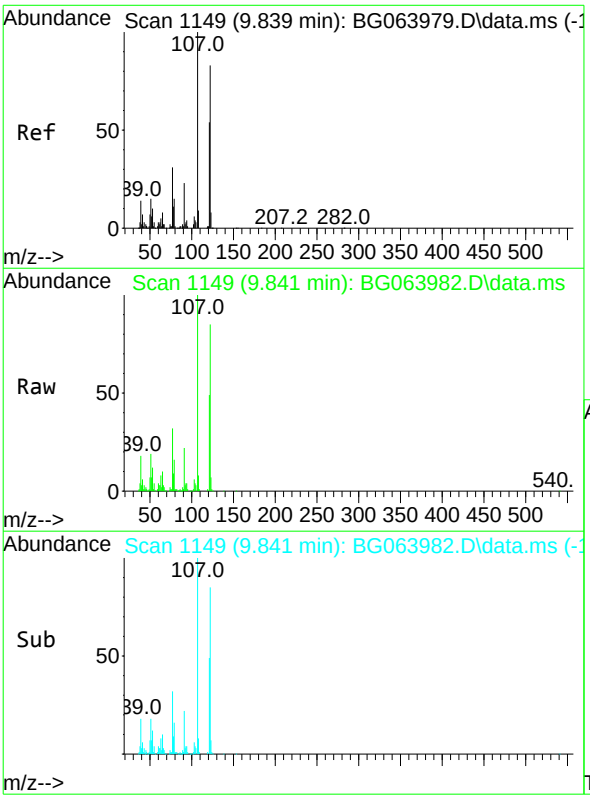
#25
Isophorone
Concen: 84.466 ng
RT: 9.600 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 823666

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.0	7.4
138	15.0	12.2	18.4

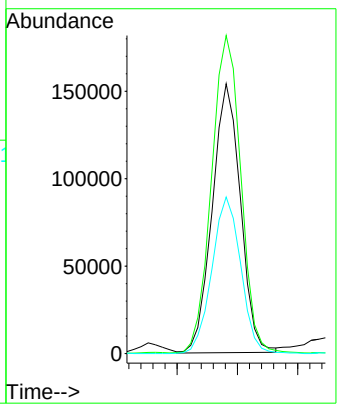


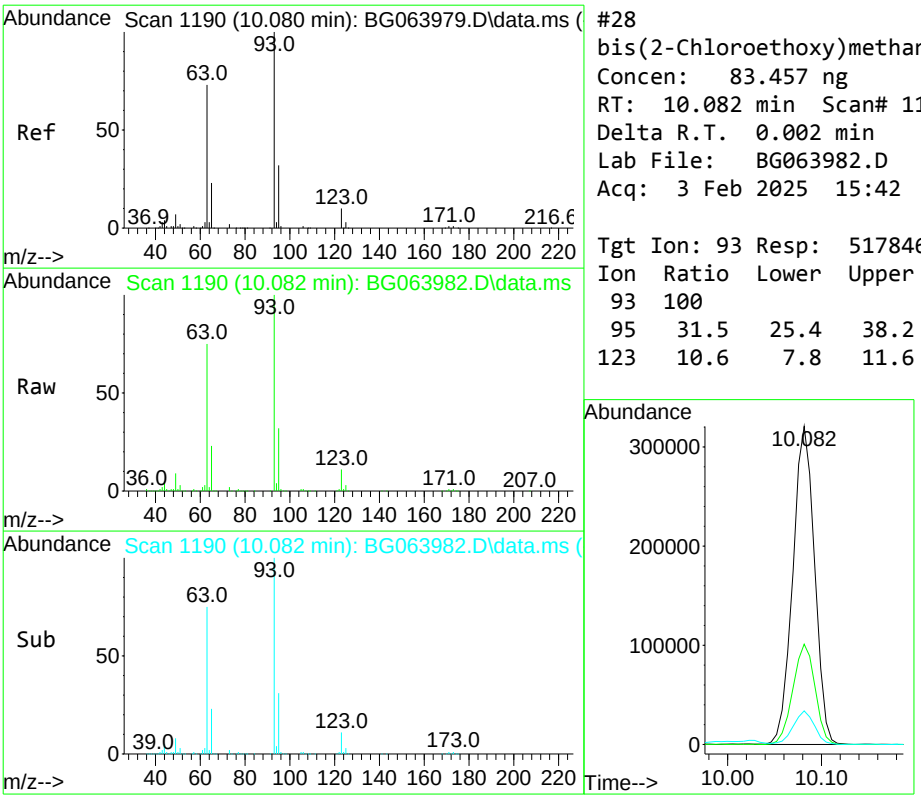


#27
2,4-Dimethylphenol
Concen: 89.211 ng
RT: 9.841 min Scan# 1149
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:122 Resp: 250246

Ion	Ratio	Lower	Upper
122	100		
107	117.9	96.4	144.6
121	58.0	51.8	77.6



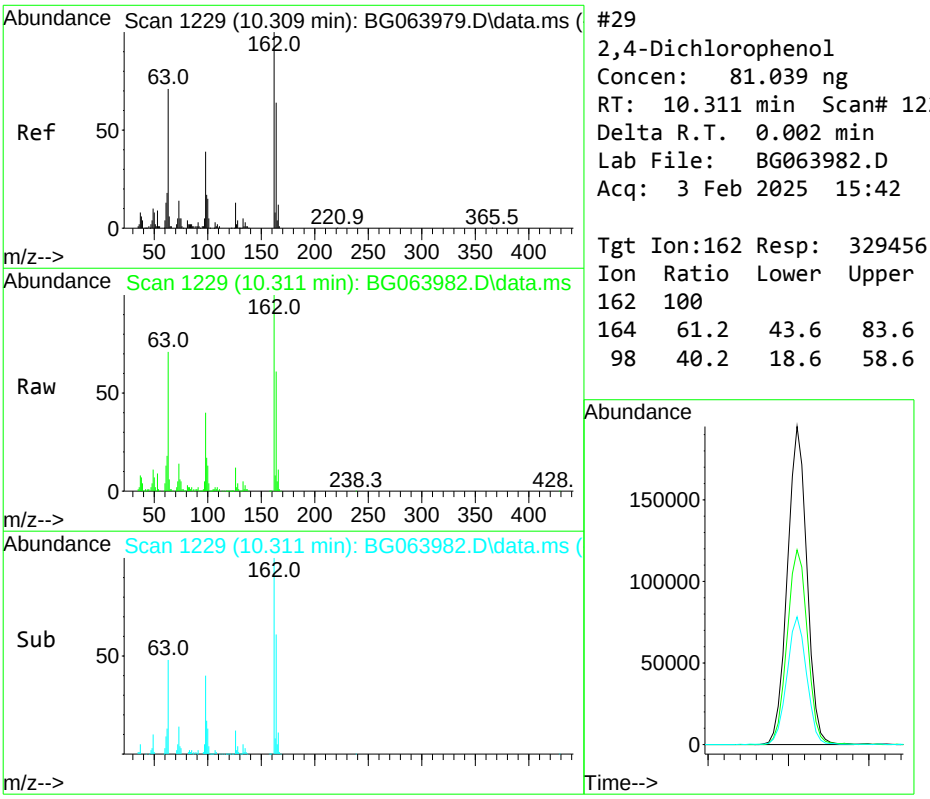


#28
bis(2-Chloroethoxy)methane
Concen: 83.457 ng
RT: 10.082 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 517846

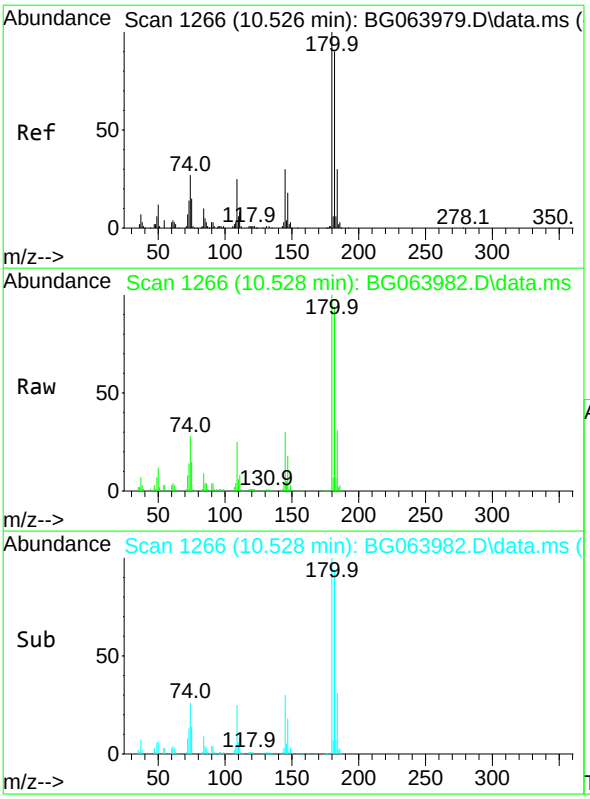
Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.4	38.2
123	10.6	7.8	11.6



#29
2,4-Dichlorophenol
Concen: 81.039 ng
RT: 10.311 min Scan# 1229
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:162 Resp: 329456

Ion	Ratio	Lower	Upper
162	100		
164	61.2	43.6	83.6
98	40.2	18.6	58.6

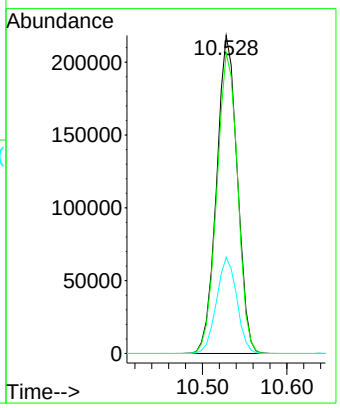


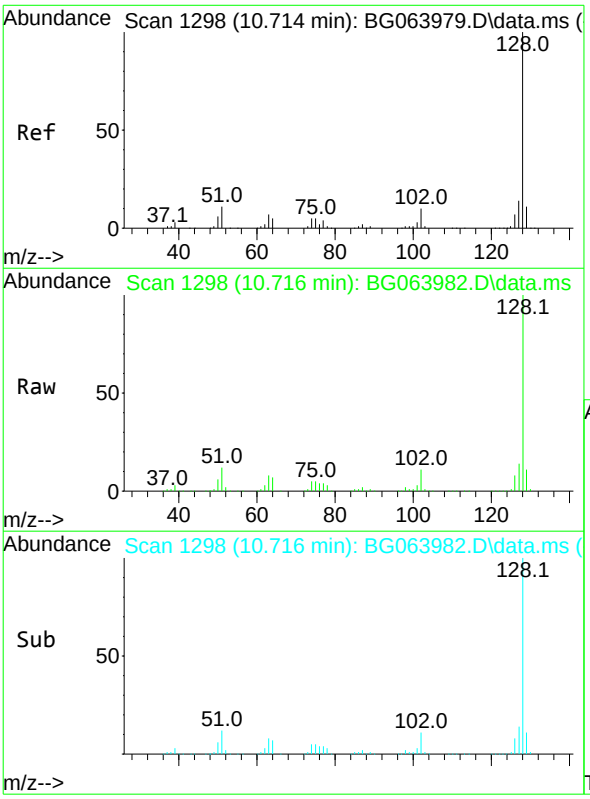
#30
1,2,4-Trichlorobenzene
Concen: 80.656 ng
RT: 10.528 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 371697

Ion	Ratio	Lower	Upper
180	100		
182	94.5	72.3	108.5
145	30.2	23.8	35.8

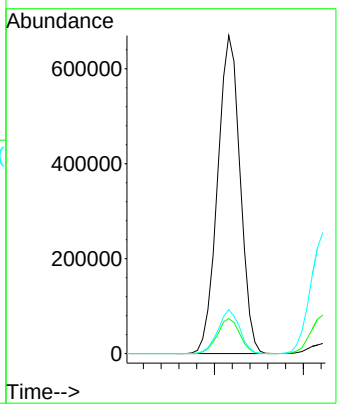


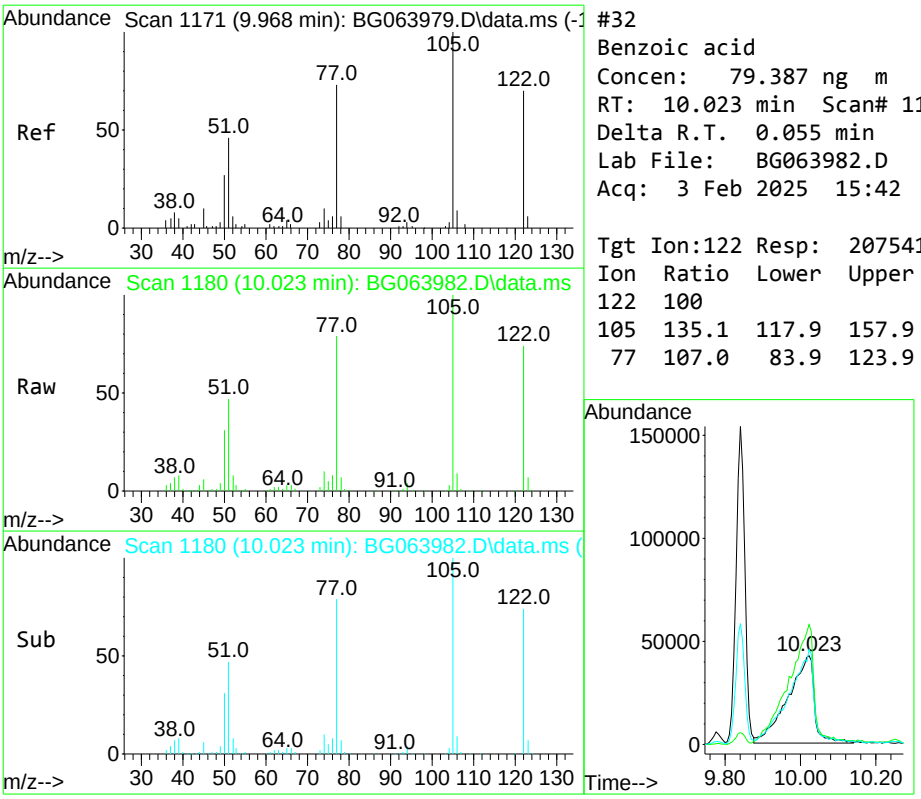


#31
Naphthalene
Concen: 80.482 ng
RT: 10.716 min Scan# 1298
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:128 Resp: 1179655

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.8	10.8	16.2



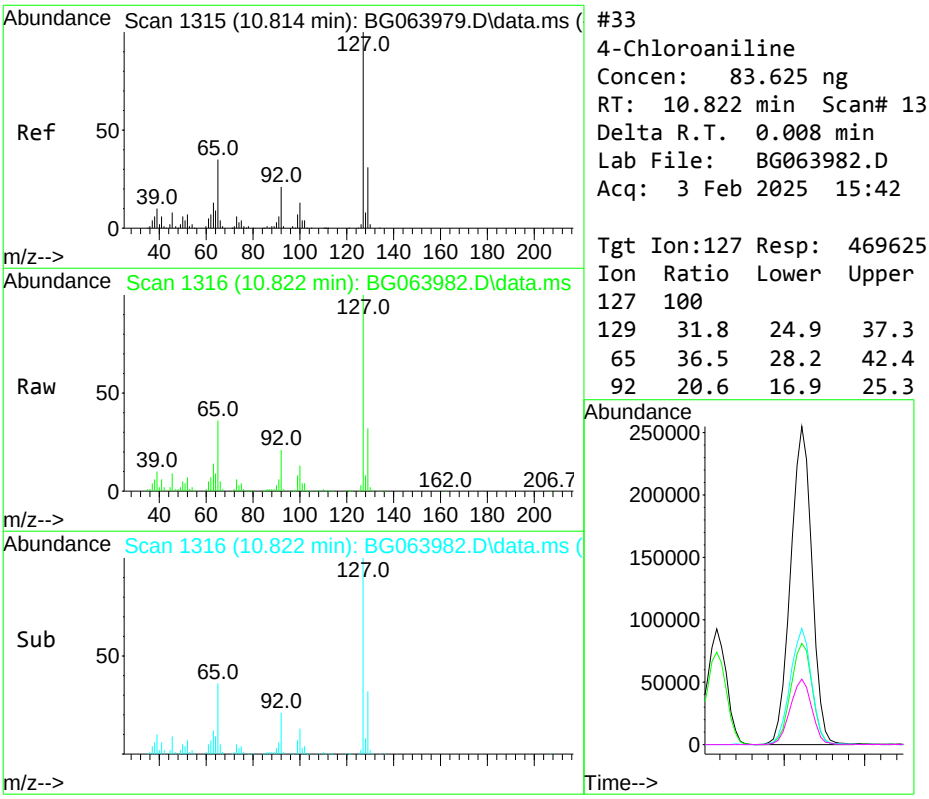


#32
Benzoic acid
Concen: 79.387 ng m
RT: 10.023 min Scan# 11
Delta R.T. 0.055 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 207541

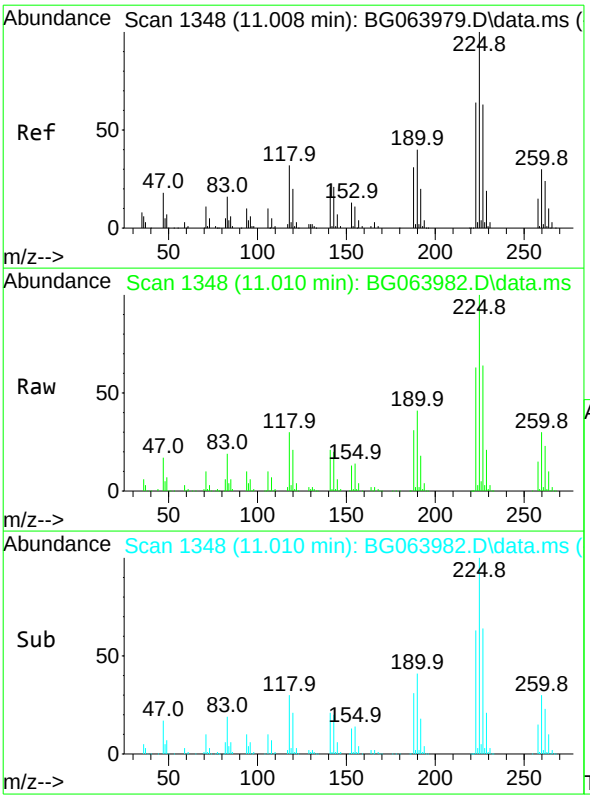
Ion	Ratio	Lower	Upper
122	100		
105	135.1	117.9	157.9
77	107.0	83.9	123.9



#33
4-Chloroaniline
Concen: 83.625 ng
RT: 10.822 min Scan# 1316
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:127 Resp: 469625

Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.9	37.3
65	36.5	28.2	42.4
92	20.6	16.9	25.3

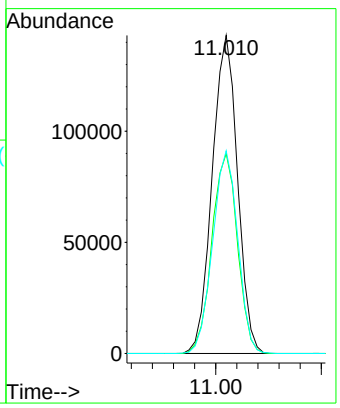


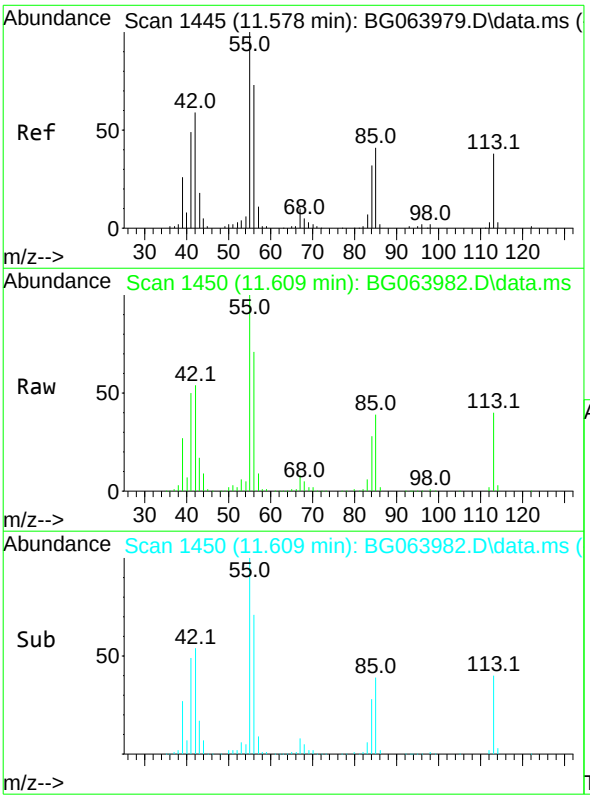
#34
Hexachlorobutadiene
Concen: 81.081 ng
RT: 11.010 min Scan# 13
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 237954

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	63.7	50.3	75.5

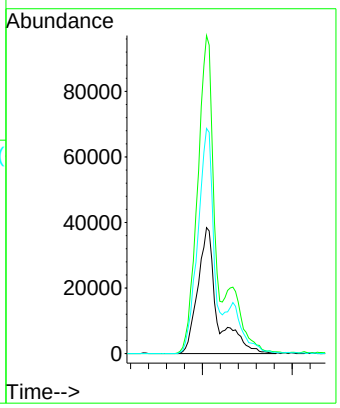


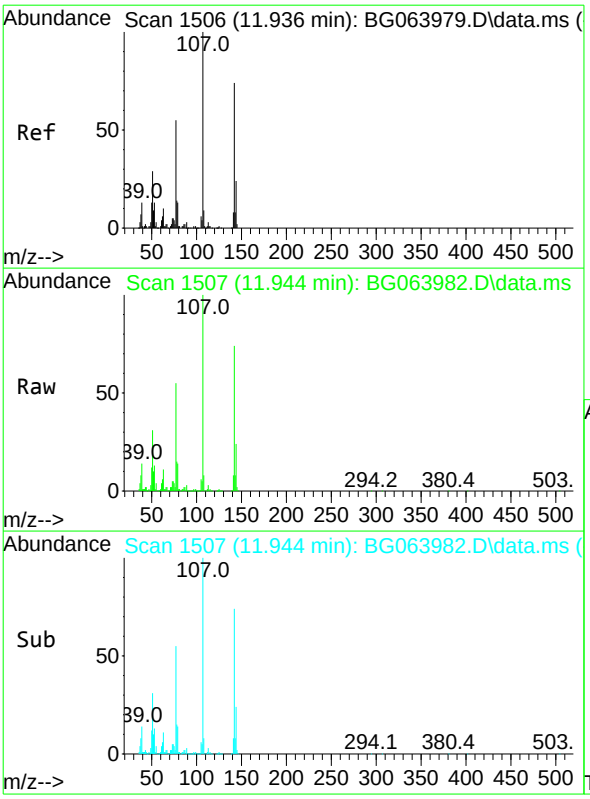


#35
Caprolactam
Concen: 77.841 ng m
RT: 11.609 min Scan# 1450
Delta R.T. 0.031 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:113 Resp: 117009

Ion	Ratio	Lower	Upper
113	100		
55	252.5	241.8	281.8
56	178.8	171.5	211.5



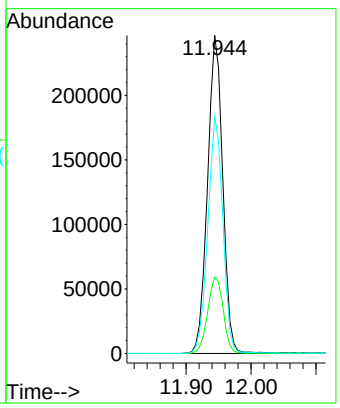


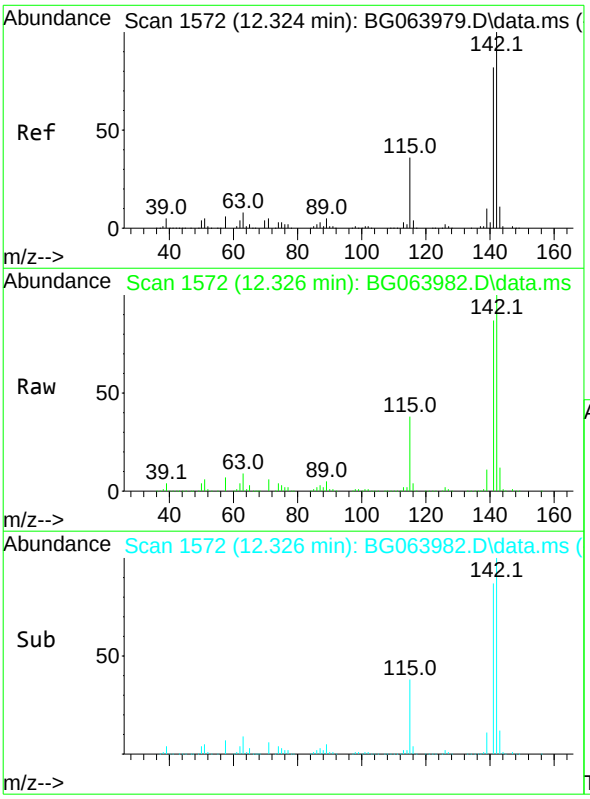
#36
4-Chloro-3-methylphenol
Concen: 89.317 ng
RT: 11.944 min Scan# 15
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 401026

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.2	28.8
142	74.4	58.9	88.3

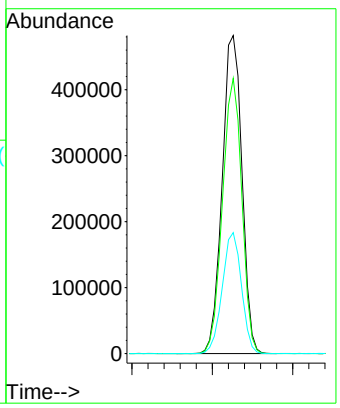


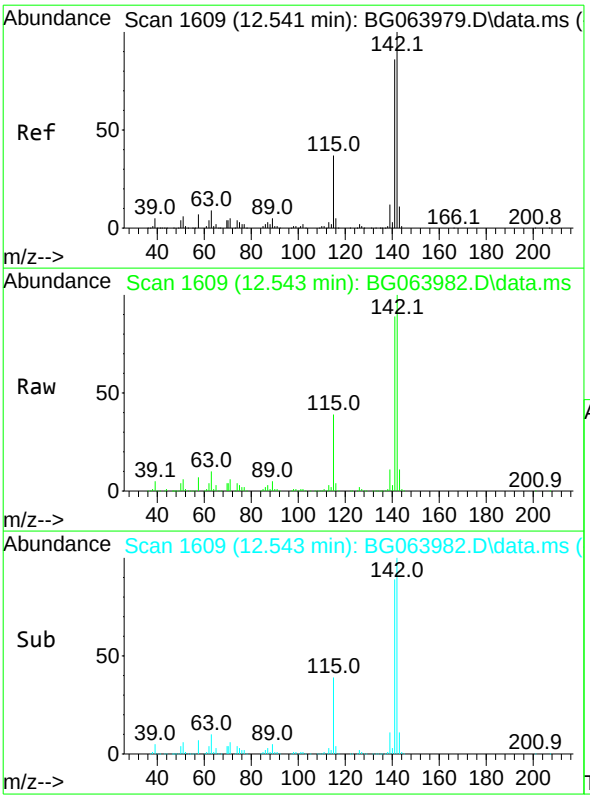


#37
2-Methylnaphthalene
Concen: 80.688 ng
RT: 12.326 min Scan# 1572
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:142 Resp: 824161

Ion	Ratio	Lower	Upper
142	100		
141	86.5	65.8	98.8
115	38.0	28.9	43.3



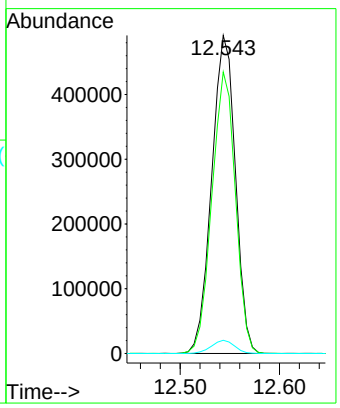


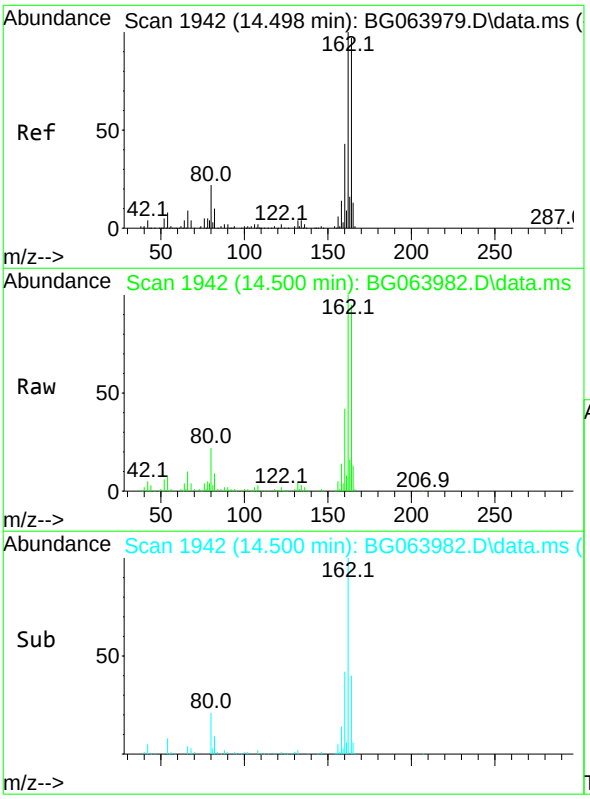
#38
1-Methylnaphthalene
Concen: 80.698 ng
RT: 12.543 min Scan# 16
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 815579

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.2	103.8
116	4.2	3.6	5.4

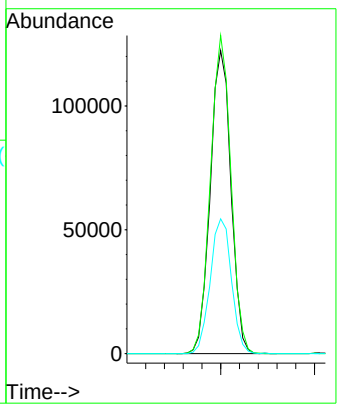


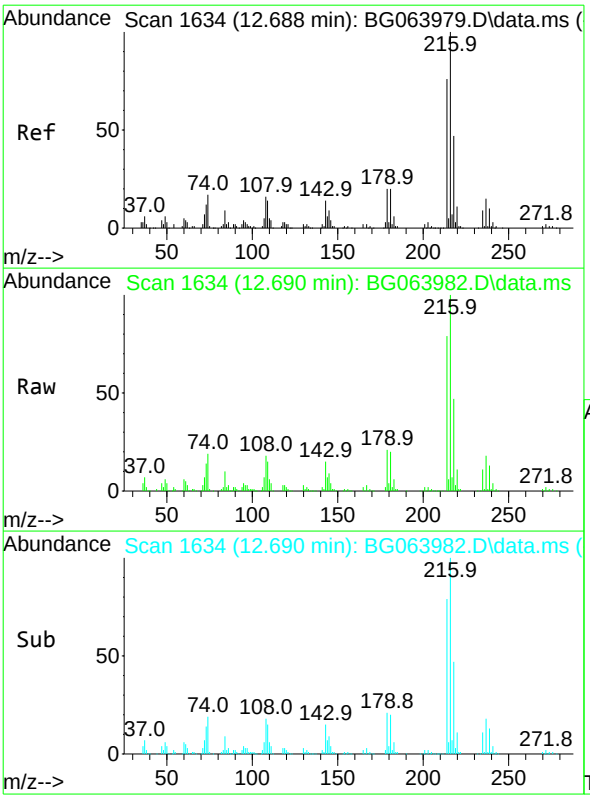


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.500 min Scan# 1942
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:164 Resp: 186977

Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.3	123.5
160	44.5	35.4	53.0



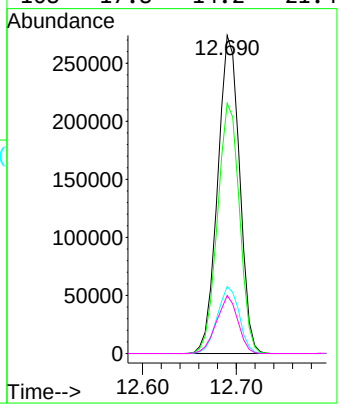


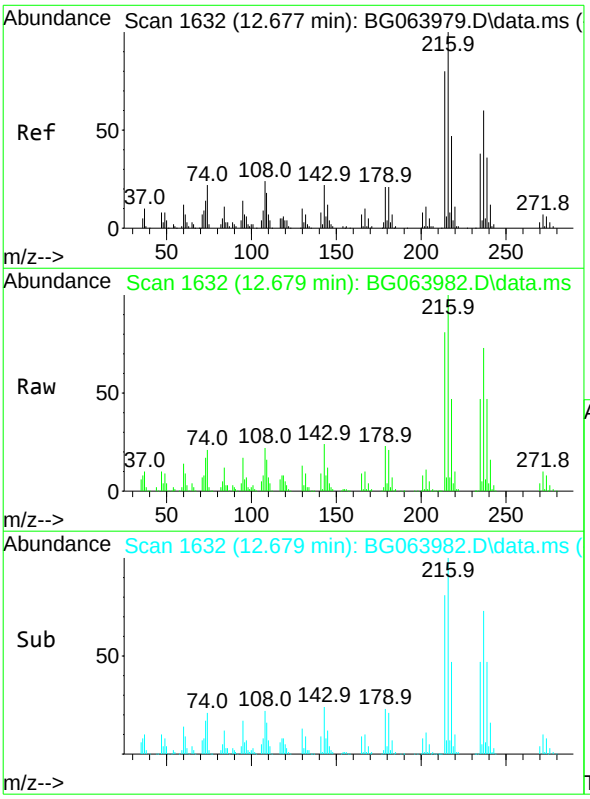
#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.354 ng
RT: 12.690 min Scan# 16
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 443056

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.9	94.3
179	21.1	16.6	25.0
108	17.8	14.2	21.4

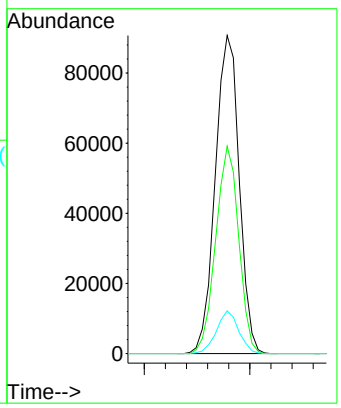


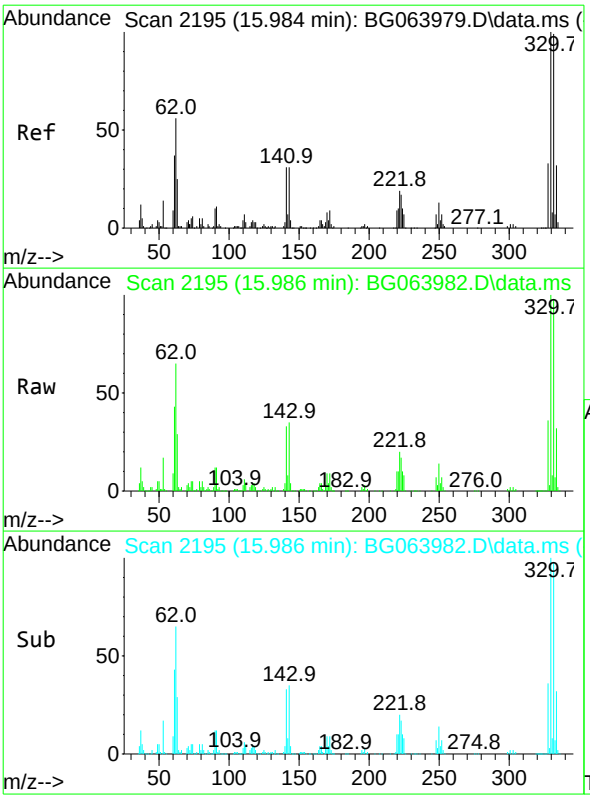


#41
Hexachlorocyclopentadiene
Concen: 96.043 ng
RT: 12.679 min Scan# 1632
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:237 Resp: 142868

Ion	Ratio	Lower	Upper
237	100		
235	65.2	43.8	83.8
272	13.4	0.0	32.3



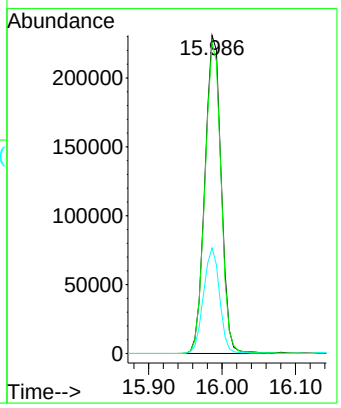


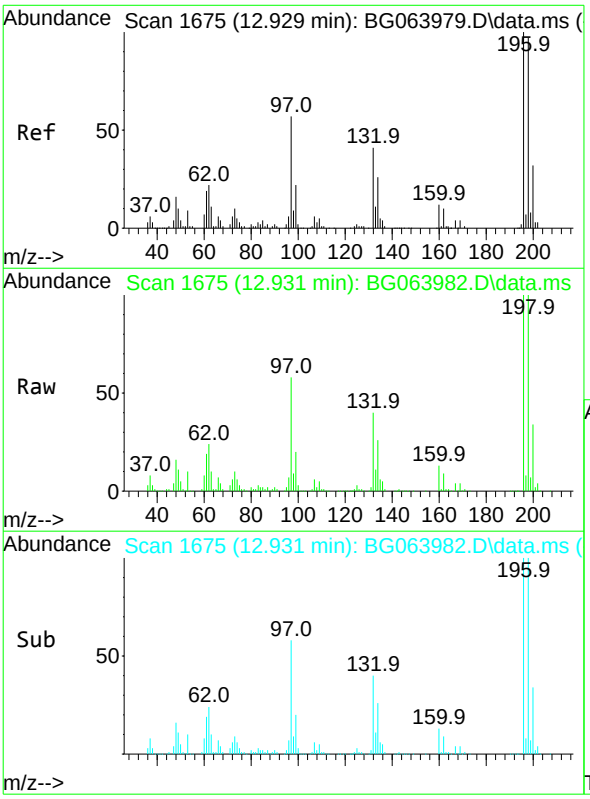
#42
2,4,6-Tribromophenol
Concen: 160.485 ng
RT: 15.986 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 355478

Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.0	118.6
141	32.8	27.2	40.8

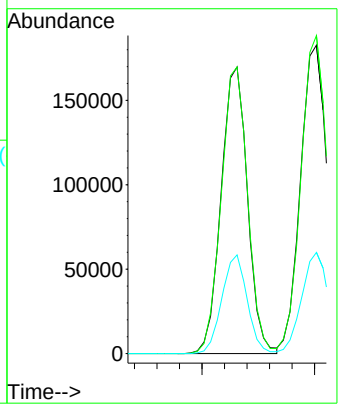


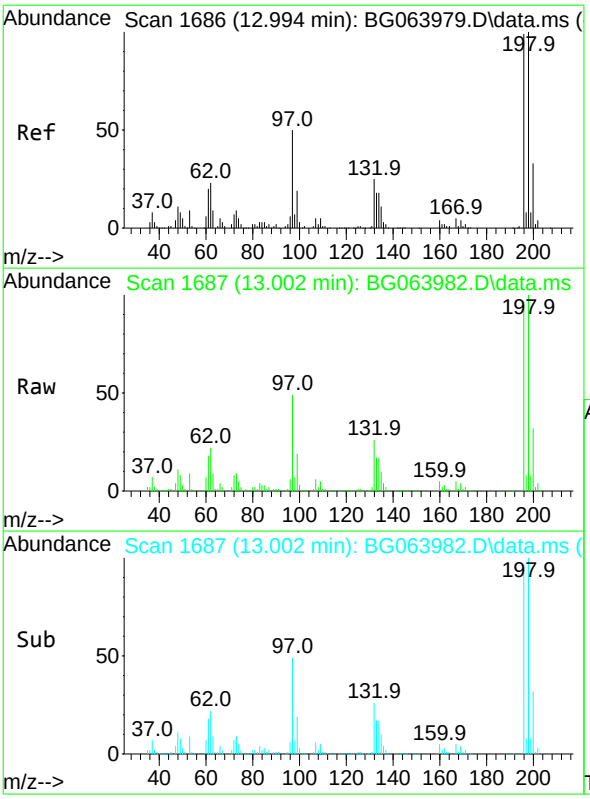


#43
2,4,6-Trichlorophenol
Concen: 81.598 ng
RT: 12.931 min Scan# 1675
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:196 Resp: 276858

Ion	Ratio	Lower	Upper
196	100		
198	100.0	77.9	116.9
200	34.4	25.5	38.3



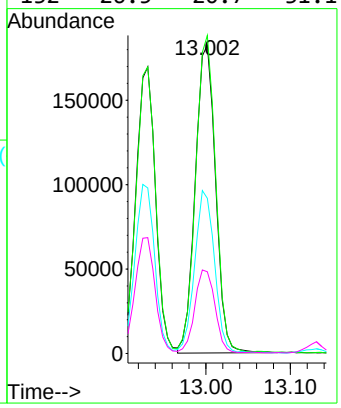


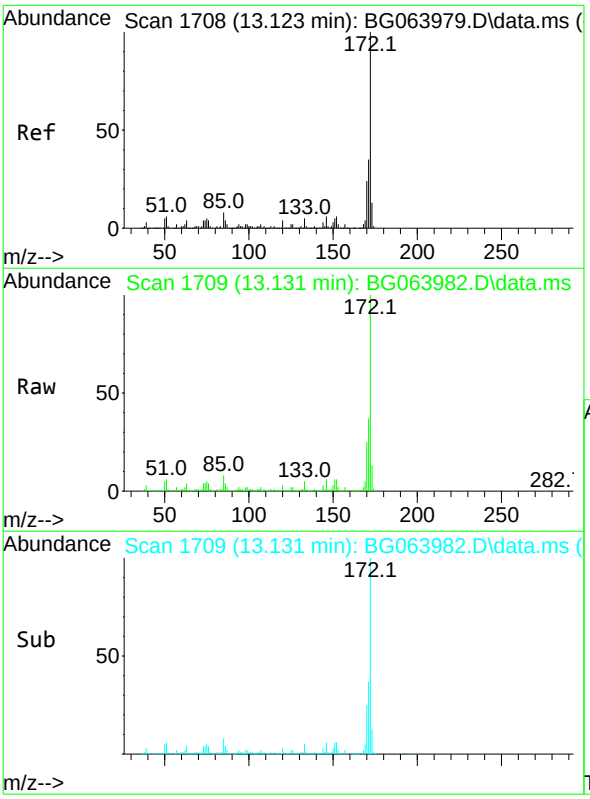
#44
2,4,5-Trichlorophenol
Concen: 80.794 ng
RT: 13.002 min Scan# 16
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 305225

Ion	Ratio	Lower	Upper
196	100		
198	103.1	81.1	121.7
97	50.3	41.2	61.8
132	26.5	20.7	31.1

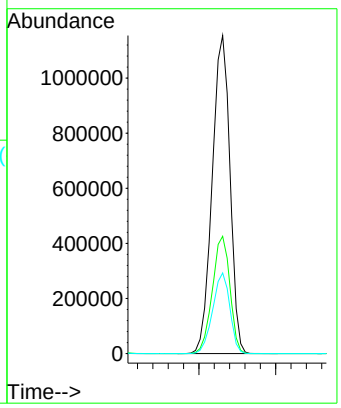


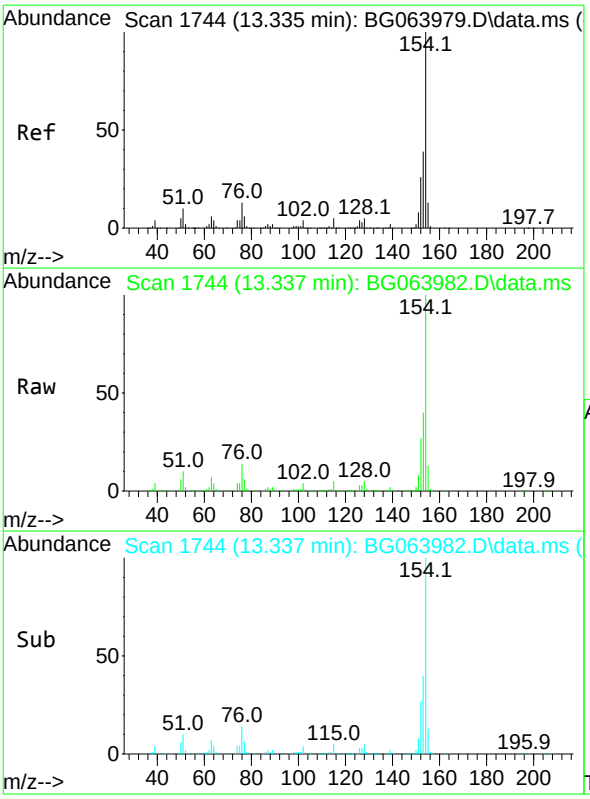


#45
2-Fluorobiphenyl
Concen: 151.836 ng
RT: 13.131 min Scan# 1709
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:172 Resp: 1852954

Ion	Ratio	Lower	Upper
172	100		
171	36.9	27.8	41.6
170	25.4	19.4	29.2



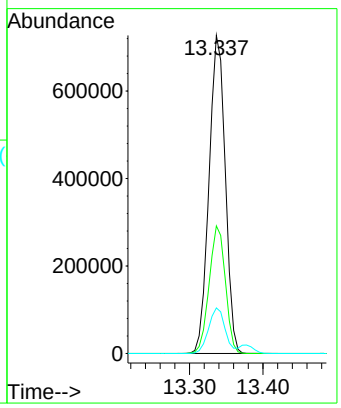


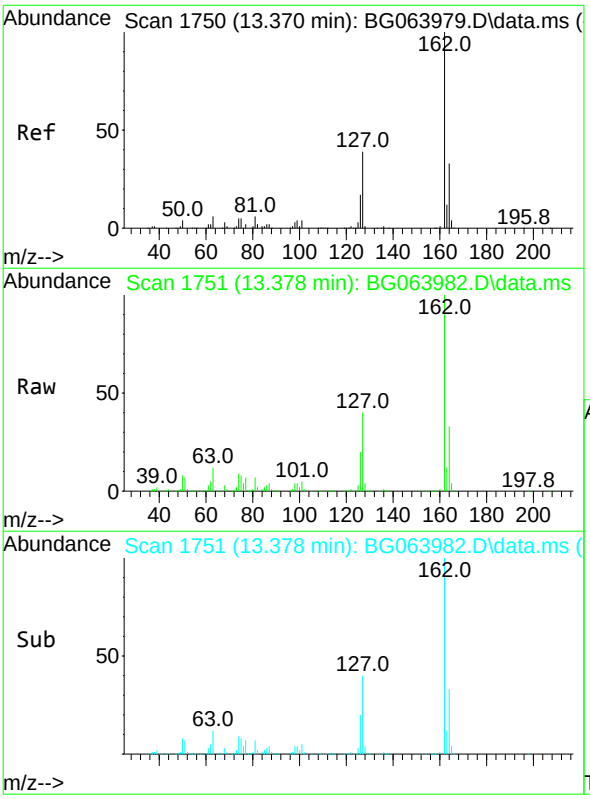
#46
1,1'-Biphenyl
Concen: 78.441 ng
RT: 13.337 min Scan# 17
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1116671

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	14.3	0.0	33.3

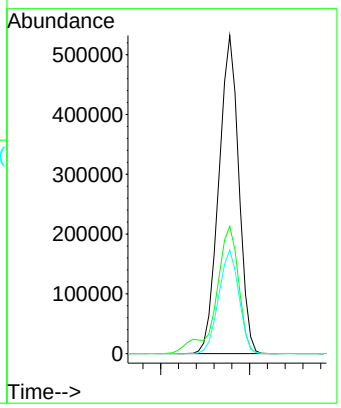


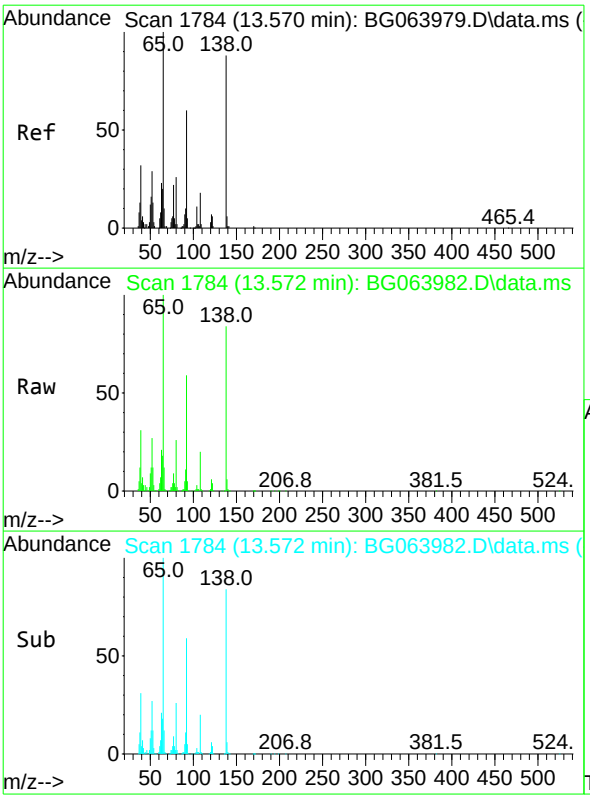


#47
2-Chloronaphthalene
Concen: 80.250 ng
RT: 13.378 min Scan# 1751
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:162 Resp: 832679

Ion	Ratio	Lower	Upper
162	100		
127	40.0	33.4	50.2
164	32.6	26.0	39.0



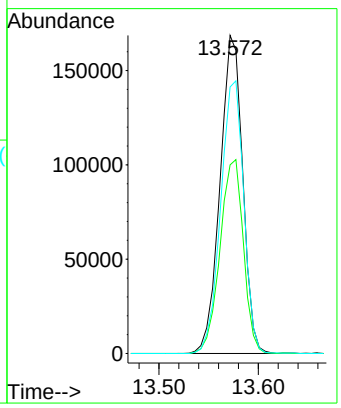


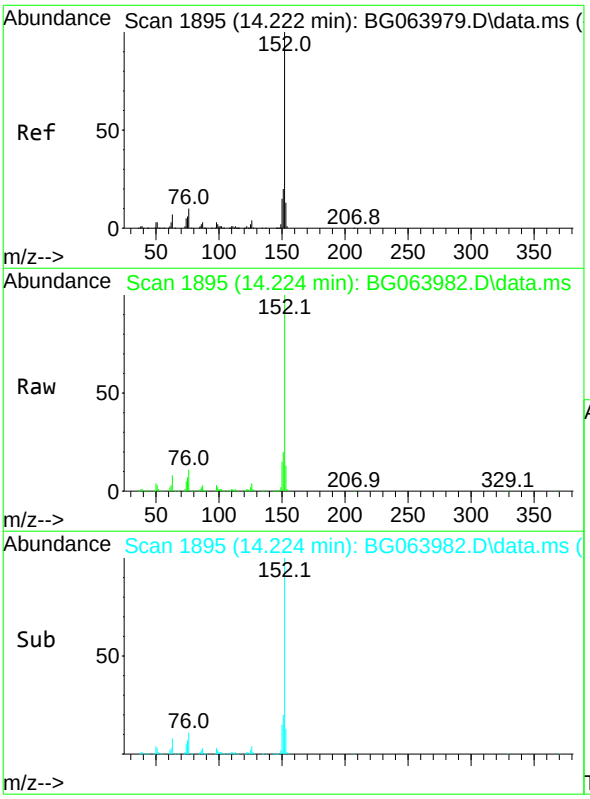
#48
2-Nitroaniline
Concen: 79.130 ng
RT: 13.572 min Scan# 17
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 267219

Ion	Ratio	Lower	Upper
65	100		
92	59.3	47.6	71.4
138	83.8	70.6	106.0

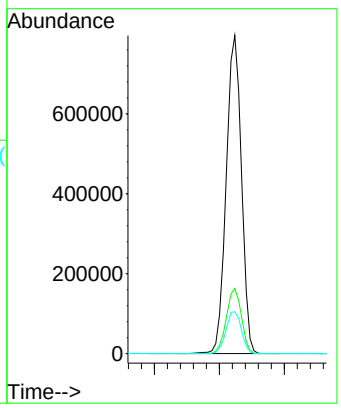


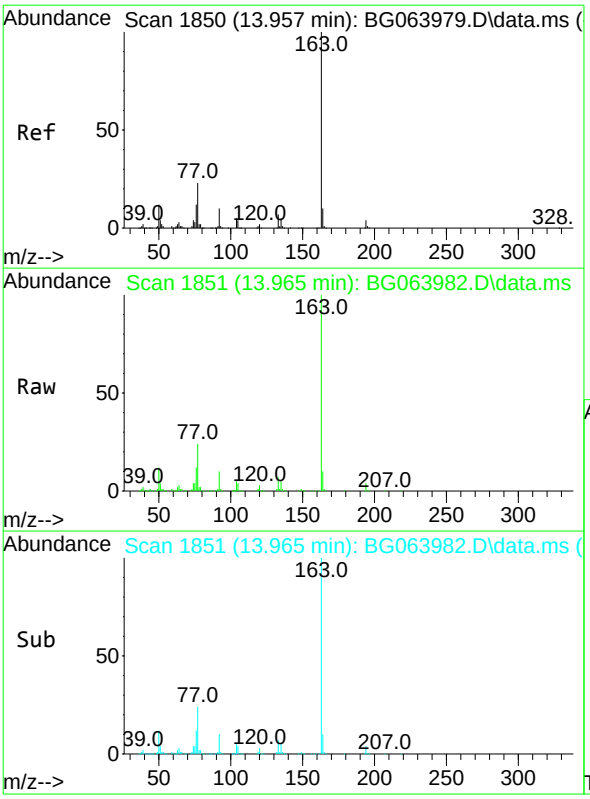


#49
Acenaphthylene
Concen: 80.463 ng
RT: 14.224 min Scan# 1895
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:152 Resp: 1296806

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.1	10.3	15.5



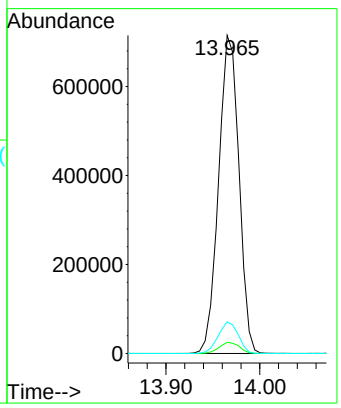


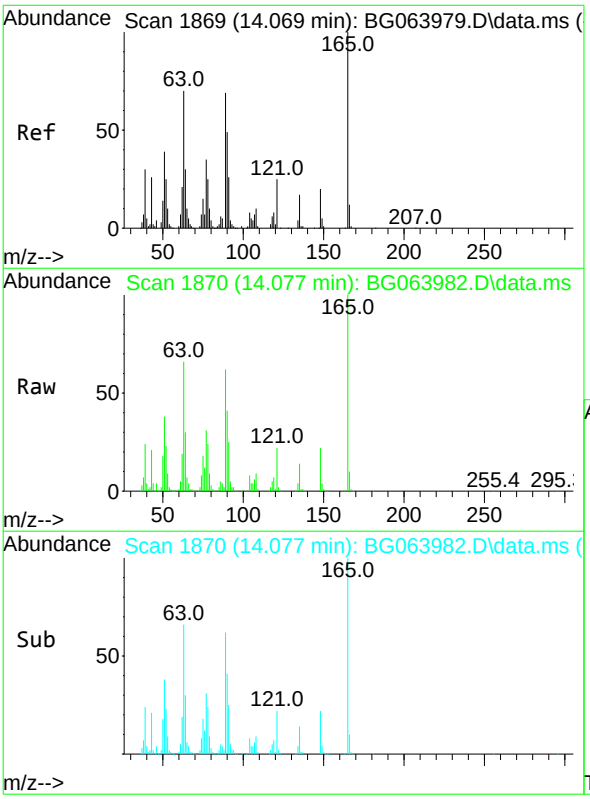
#50
Dimethylphthalate
Concen: 86.865 ng
RT: 13.965 min Scan# 18
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1076898

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.9	8.0	12.0

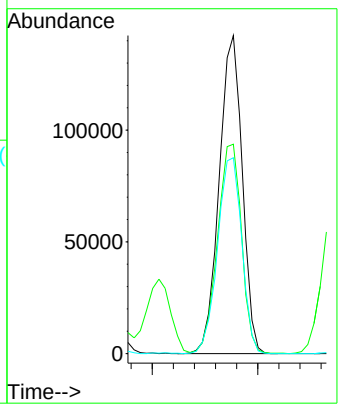


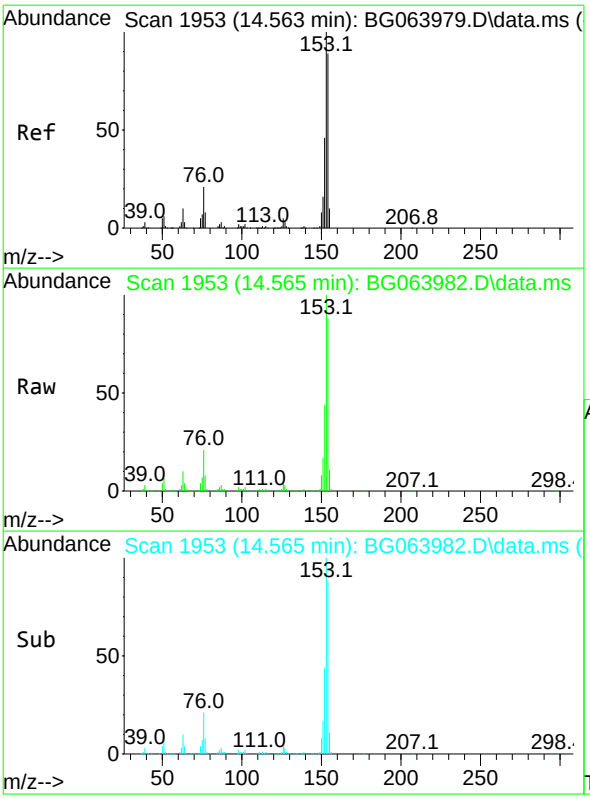


#51
2,6-Dinitrotoluene
Concen: 79.007 ng
RT: 14.077 min Scan# 1870
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:165 Resp: 216080

Ion	Ratio	Lower	Upper
165	100		
63	65.8	57.7	86.5
89	61.6	55.6	83.4



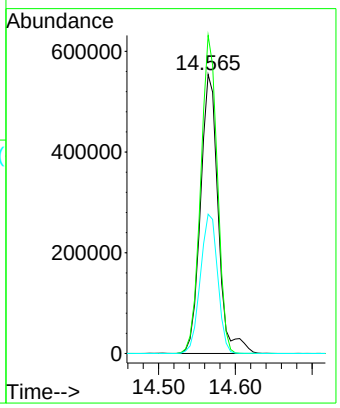


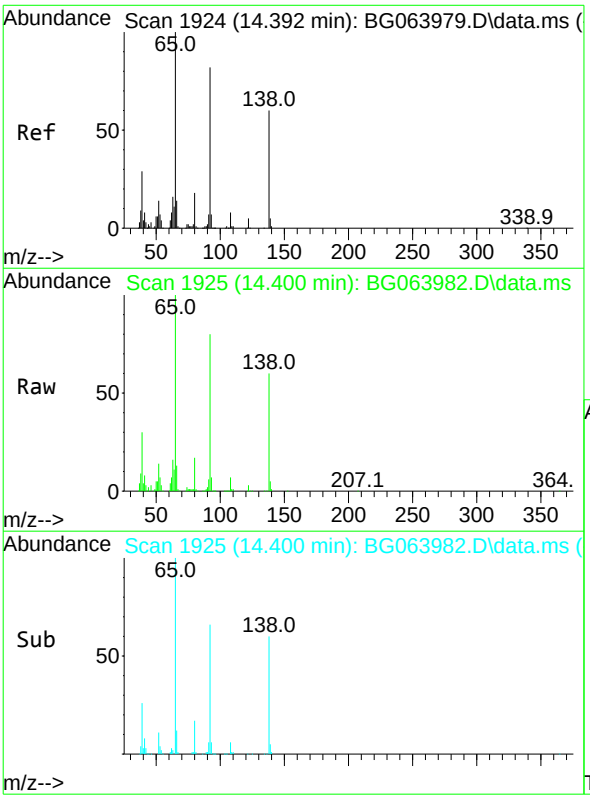
#52
Acenaphthene
Concen: 81.692 ng
RT: 14.565 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 883156

Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.2	135.2
152	49.9	41.1	61.7

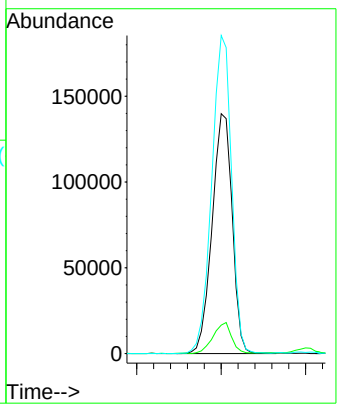


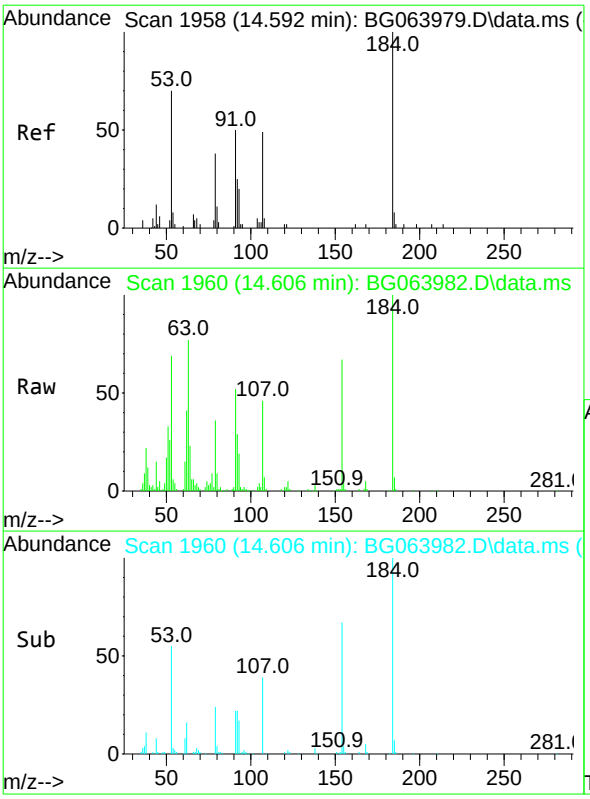


#53
3-Nitroaniline
Concen: 80.061 ng
RT: 14.400 min Scan# 1925
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:138 Resp: 231035

Ion	Ratio	Lower	Upper
138	100		
108	11.9	10.3	15.5
92	132.6	109.0	163.4



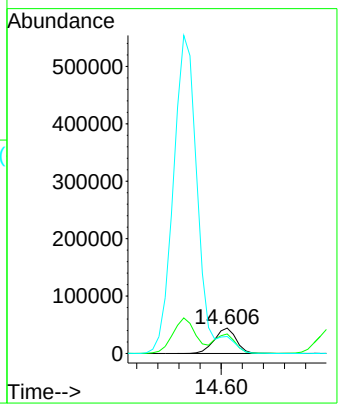


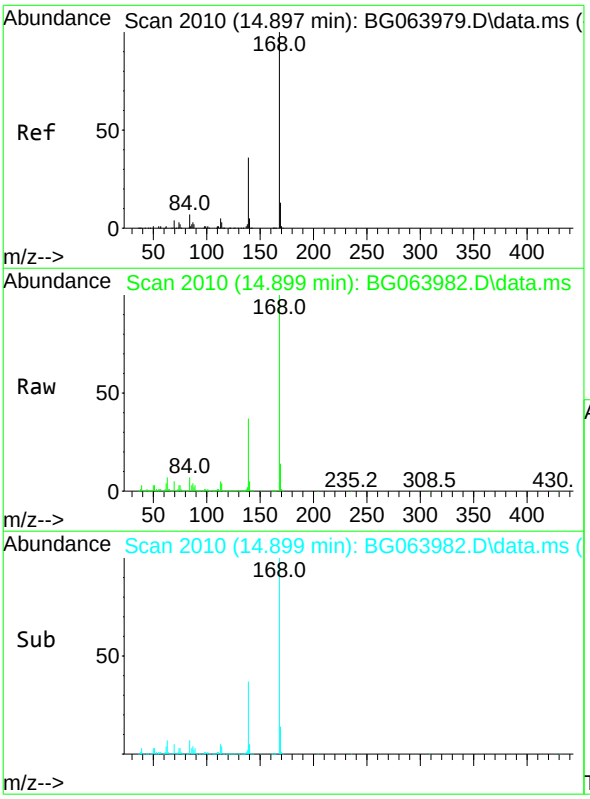
#54
2,4-Dinitrophenol
Concen: 79.449 ng
RT: 14.606 min Scan# 19
Delta R.T. 0.014 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 63523

Ion	Ratio	Lower	Upper
184	100		
63	77.1	67.3	100.9
154	66.9	65.9	98.9

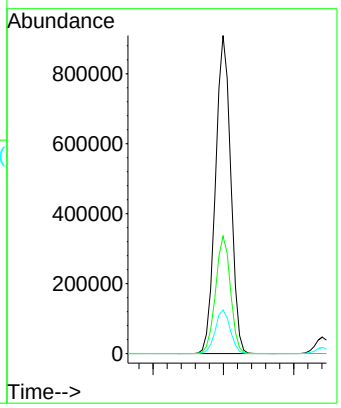


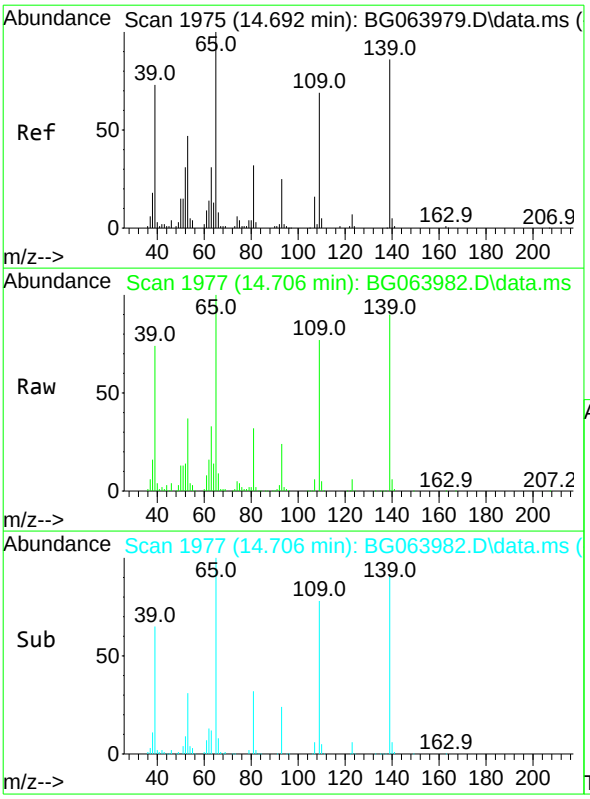


#55
Dibenzofuran
Concen: 78.009 ng
RT: 14.899 min Scan# 2010
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:168 Resp: 1369362

Ion	Ratio	Lower	Upper
168	100		
139	36.9	28.6	43.0
169	13.7	10.6	16.0



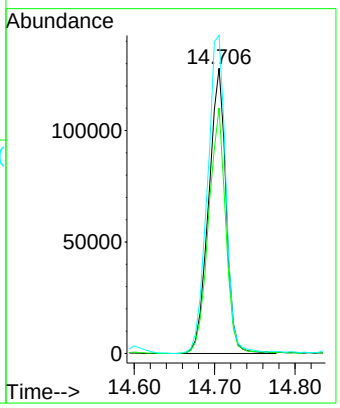


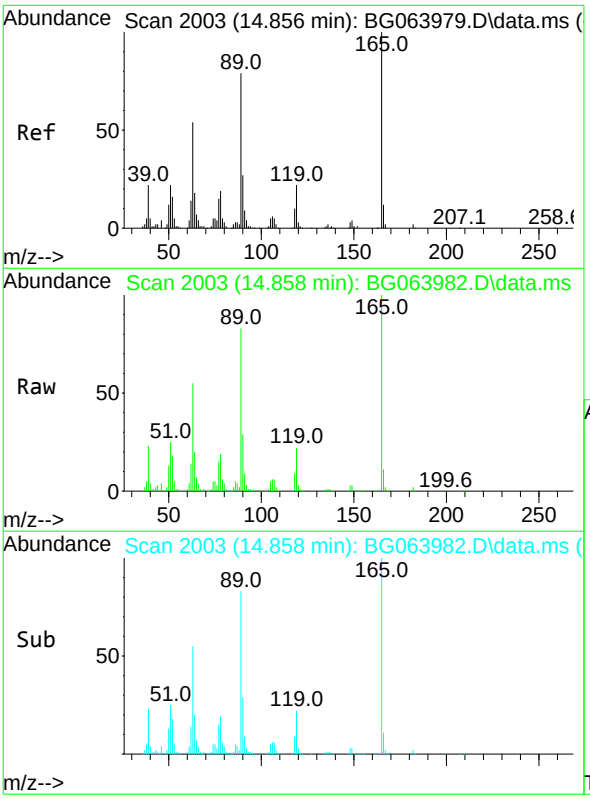
#56
4-Nitrophenol
Concen: 80.216 ng
RT: 14.706 min Scan# 19
Delta R.T. 0.014 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 192405

Ion	Ratio	Lower	Upper
139	100		
109	86.1	60.1	100.1
65	111.5	96.2	136.2

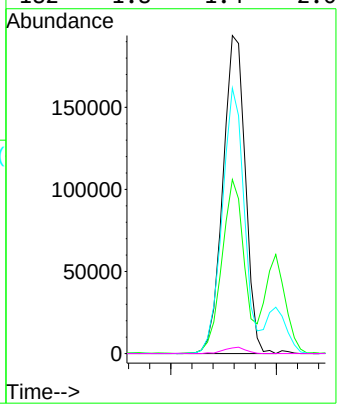


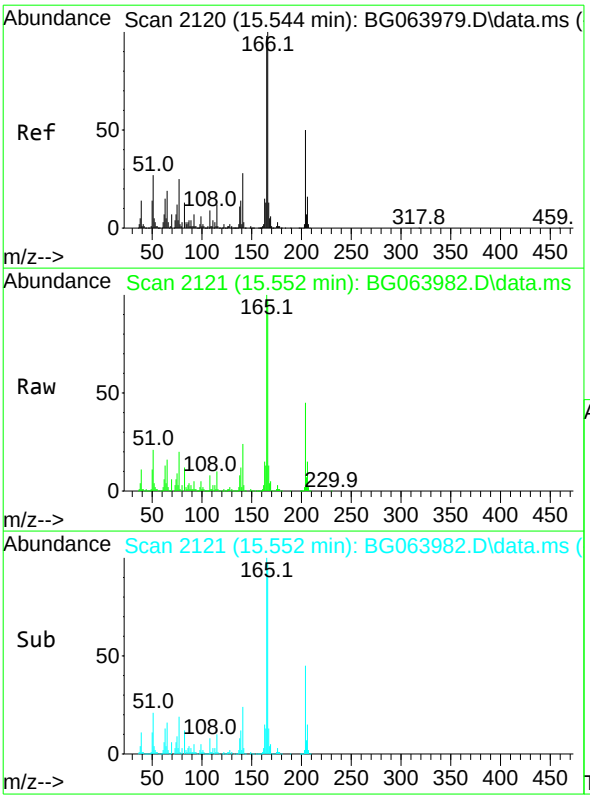


#57
2,4-Dinitrotoluene
Concen: 78.838 ng
RT: 14.858 min Scan# 2003
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:165 Resp: 285847

Ion	Ratio	Lower	Upper
165	100		
63	54.7	43.6	65.4
89	83.5	63.1	94.7
182	1.8	1.4	2.0



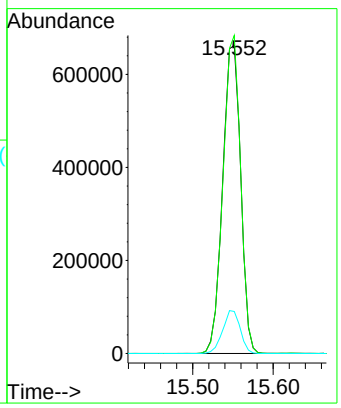


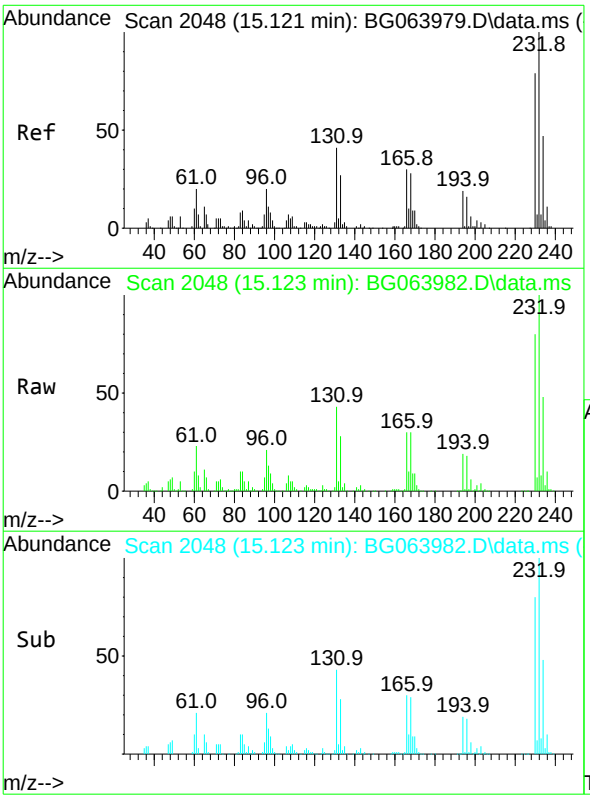
#58
Fluorene
Concen: 76.235 ng
RT: 15.552 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 1034340

Ion	Ratio	Lower	Upper
166	100		
165	103.2	78.7	118.1
167	13.6	10.1	15.1

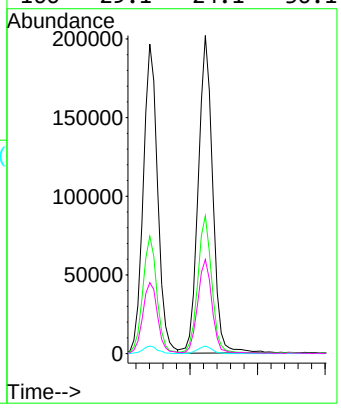


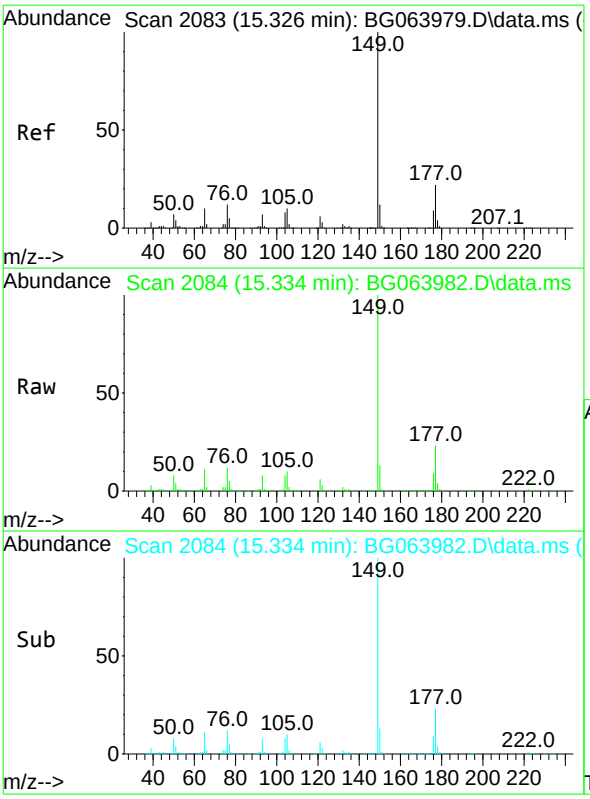


#59
2,3,4,6-Tetrachlorophenol
Concen: 81.064 ng
RT: 15.123 min Scan# 2048
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:232 Resp: 299460

Ion	Ratio	Lower	Upper
232	100		
131	41.9	34.0	51.0
130	2.3	2.2	3.4
166	29.1	24.1	36.1



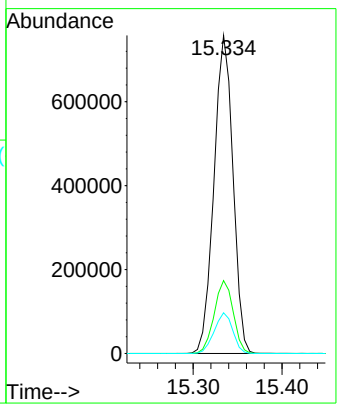


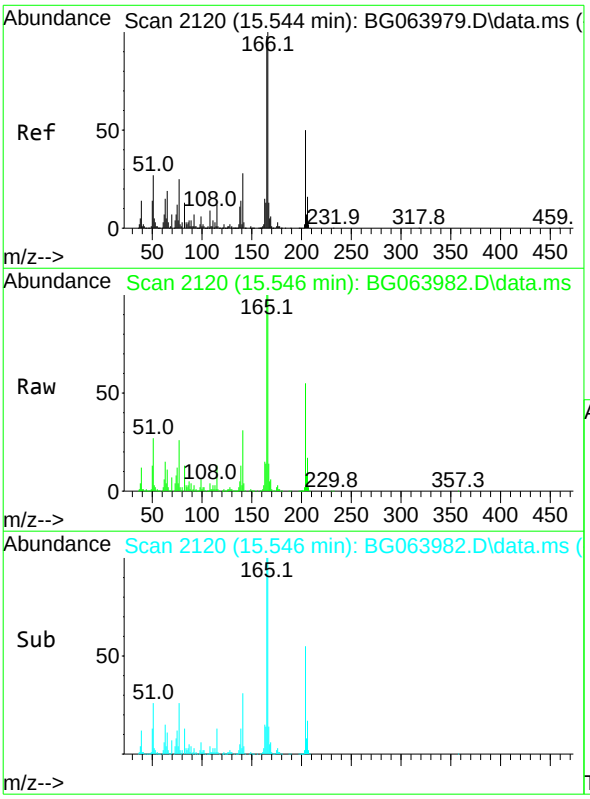
#60
Diethylphthalate
Concen: 85.669 ng
RT: 15.334 min Scan# 20
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1126041

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.0	27.0
150	12.8	9.7	14.5

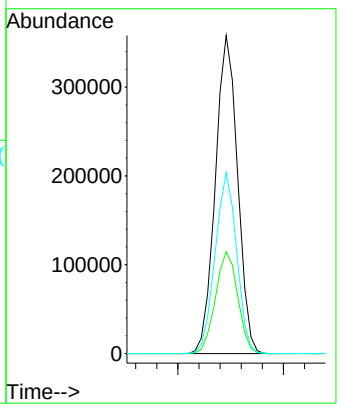


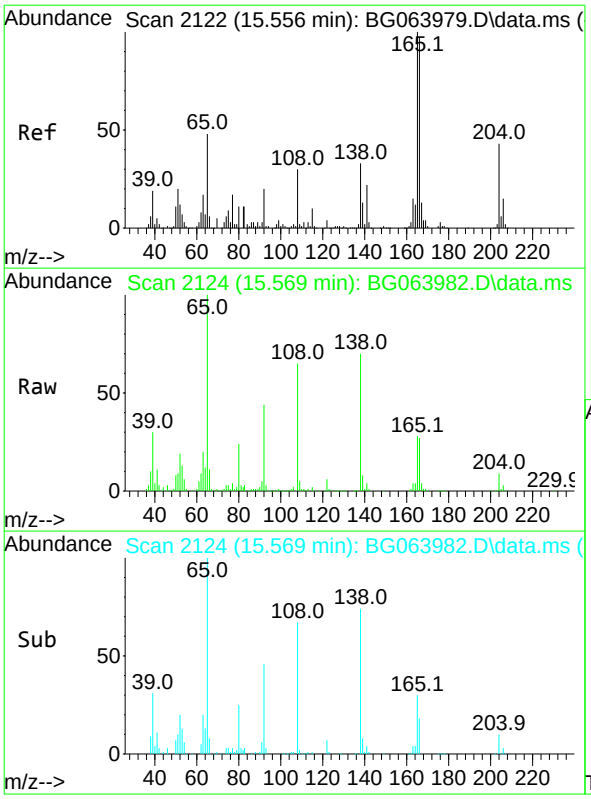


#61
4-Chlorophenyl-phenylether
Concen: 77.025 ng
RT: 15.546 min Scan# 2120
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:204 Resp: 524356

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.8	38.6
141	57.0	44.6	67.0



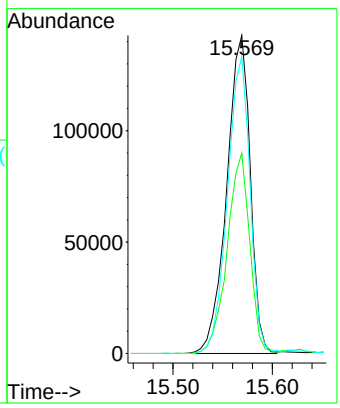


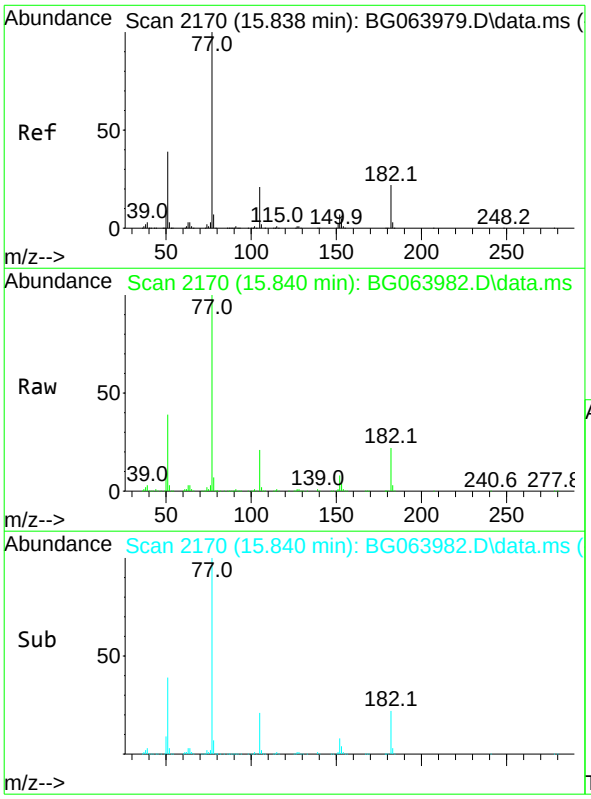
#62
4-Nitroaniline
Concen: 77.688 ng
RT: 15.569 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 235601

Ion	Ratio	Lower	Upper
138	100		
92	63.0	40.3	80.3
108	93.3	69.3	109.3

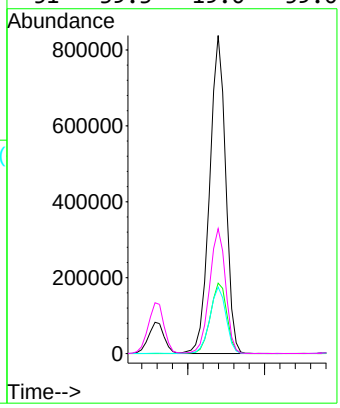


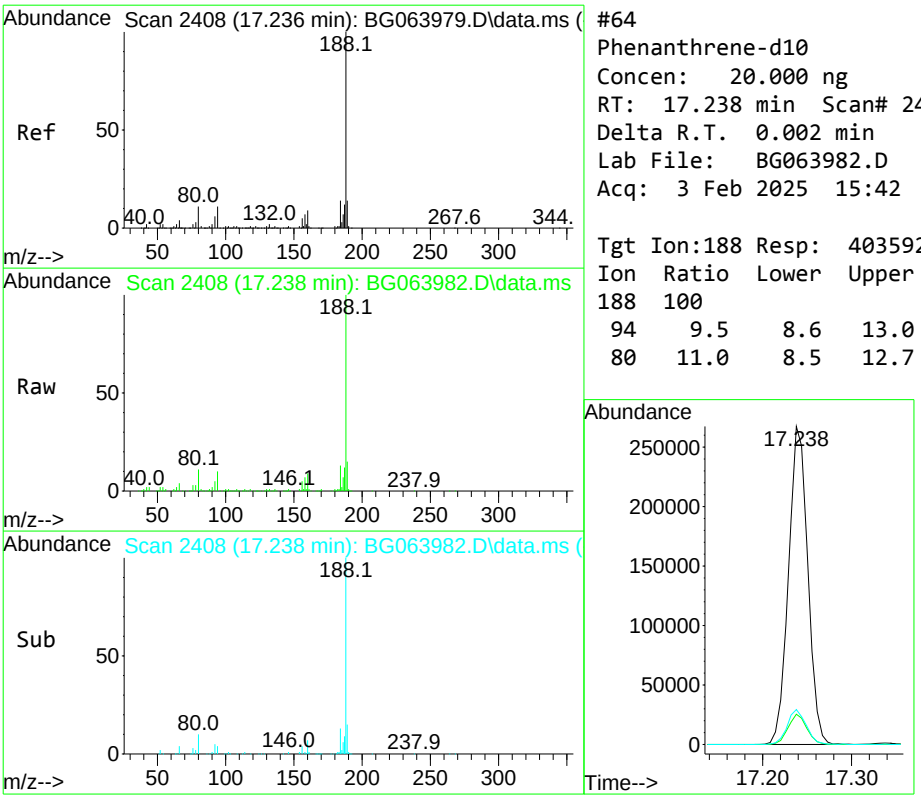


#63
Azobenzene
Concen: 78.330 ng
RT: 15.840 min Scan# 2170
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion: 77 Resp: 1216060

Ion	Ratio	Lower	Upper
77	100		
182	22.1	2.3	42.3
105	20.9	1.0	41.0
51	39.3	19.0	59.0



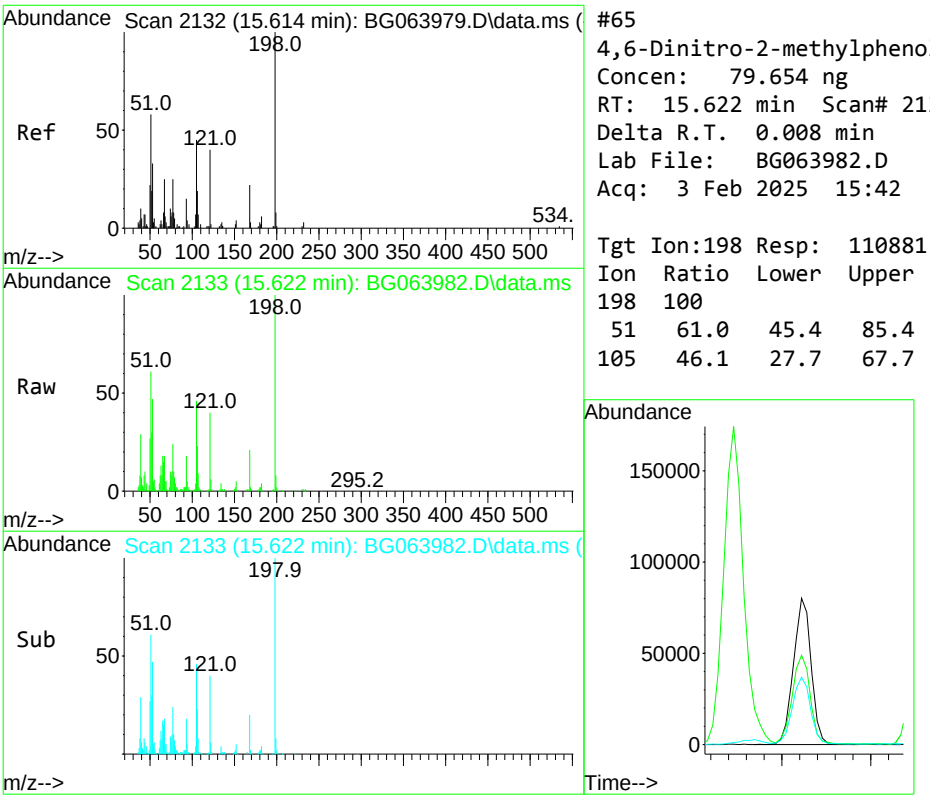


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.238 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 403592

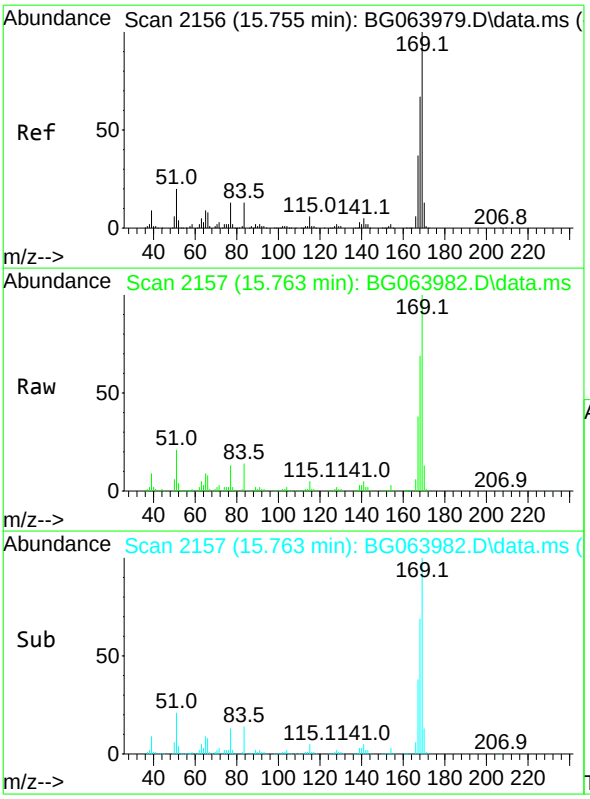
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.6	13.0
80	11.0	8.5	12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 79.654 ng
RT: 15.622 min Scan# 2133
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:198 Resp: 110881

Ion	Ratio	Lower	Upper
198	100		
51	61.0	45.4	85.4
105	46.1	27.7	67.7

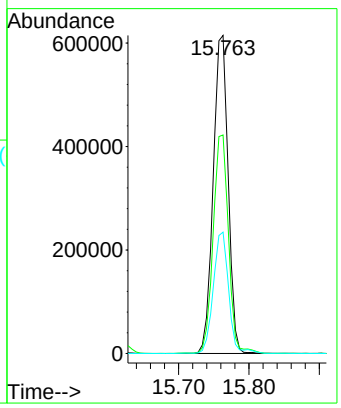


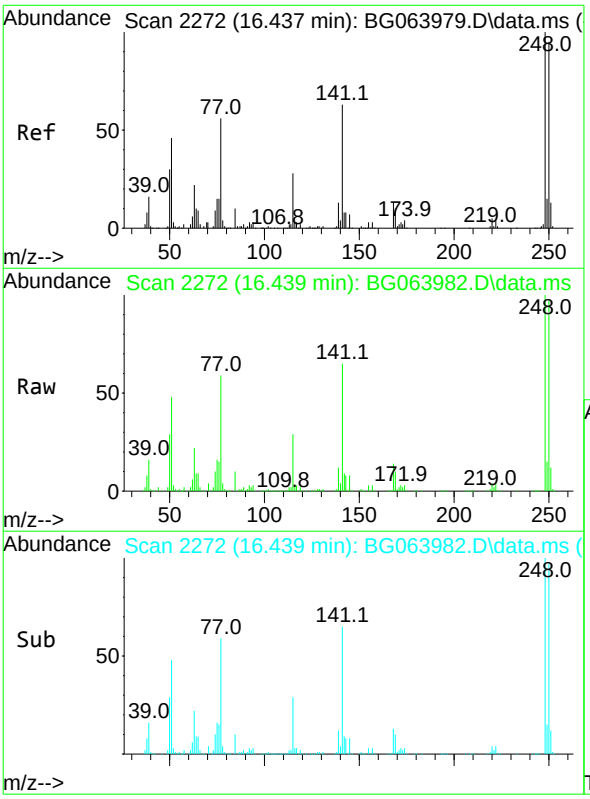
#66
n-Nitrosodiphenylamine
Concen: 81.062 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 907085

Ion	Ratio	Lower	Upper
169	100		
168	68.7	53.5	80.3
167	38.2	30.0	45.0

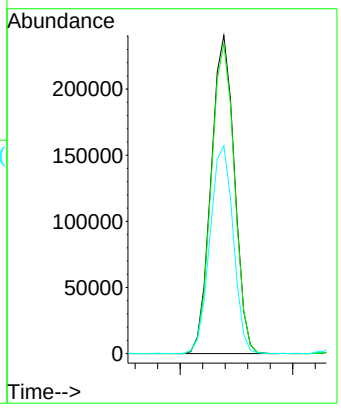


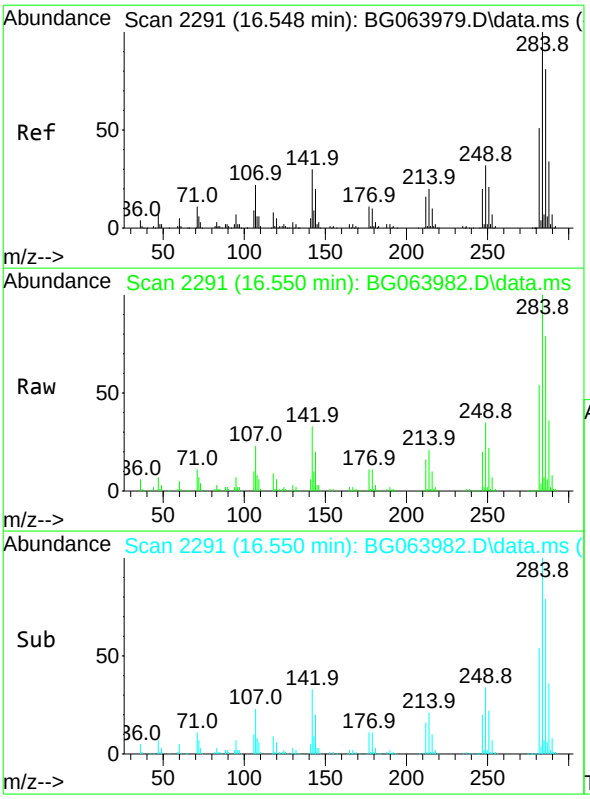


#67
4-Bromophenyl-phenylether
Concen: 86.083 ng
RT: 16.439 min Scan# 2272
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:248 Resp: 345807

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.2	114.4
141	65.3	50.6	75.8



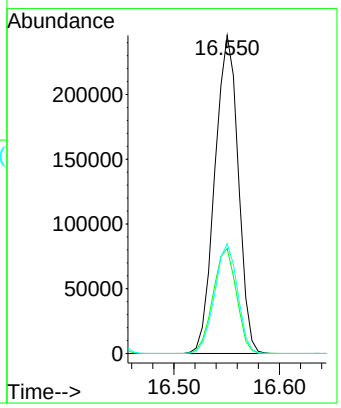


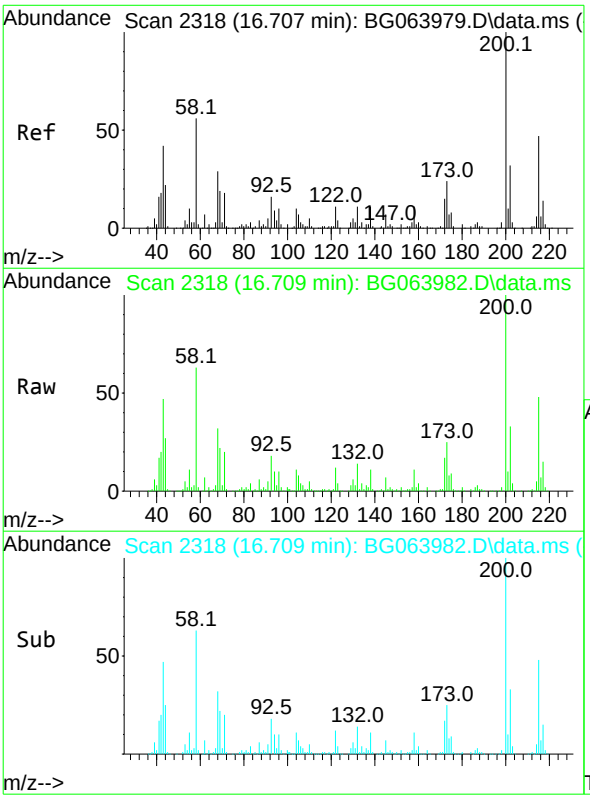
#68
Hexachlorobenzene
Concen: 80.218 ng
RT: 16.550 min Scan# 22
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 378854

Ion	Ratio	Lower	Upper
284	100		
142	33.0	23.8	35.8
249	34.5	25.9	38.9

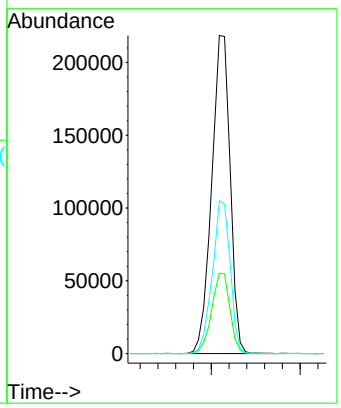


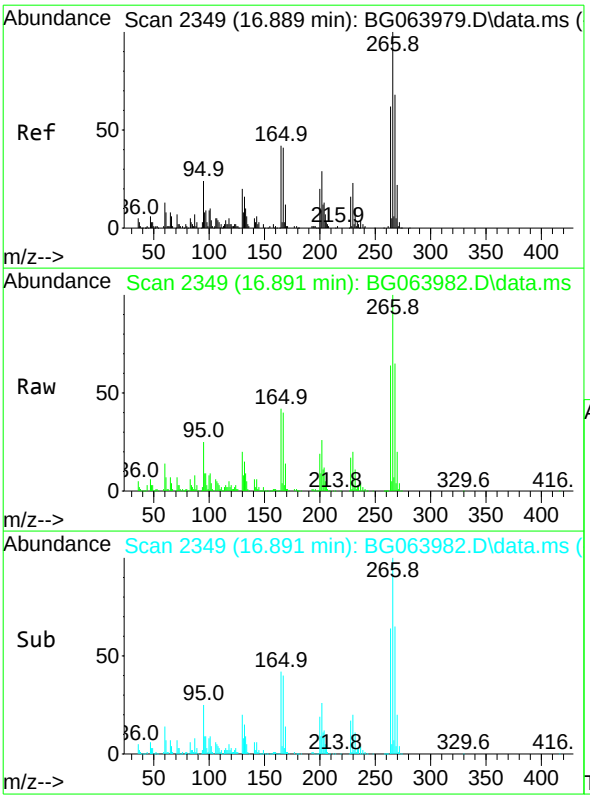


#69
Atrazine
Concen: 84.940 ng
RT: 16.709 min Scan# 2318
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:200 Resp: 316302

Ion	Ratio	Lower	Upper
200	100		
173	25.3	3.8	43.8
215	48.1	26.6	66.6



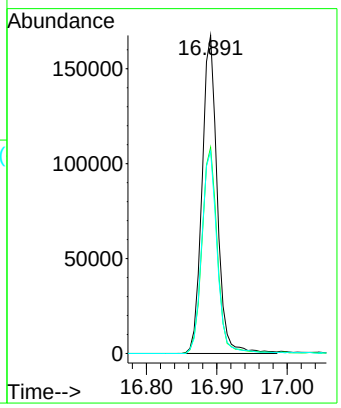


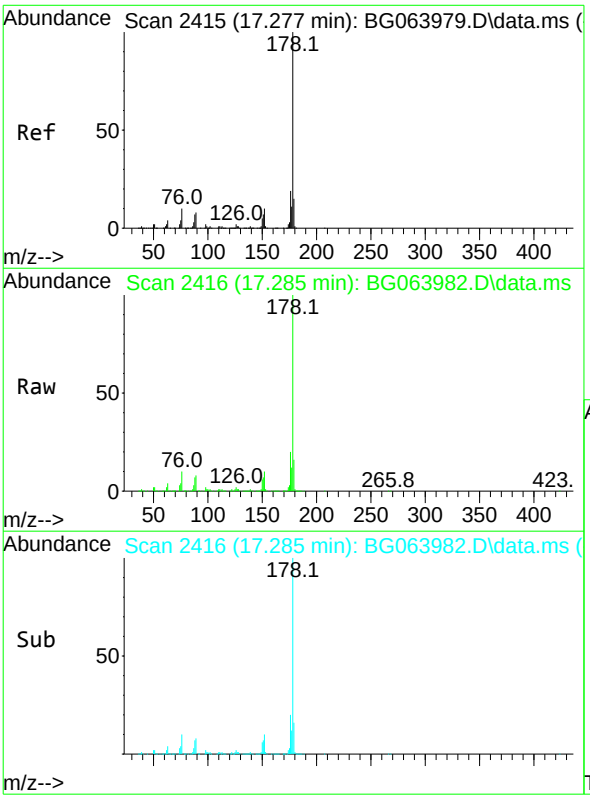
#70
Pentachlorophenol
Concen: 81.316 ng
RT: 16.891 min Scan# 23
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 251409

Ion	Ratio	Lower	Upper
266	100		
268	64.8	54.8	82.2
264	63.6	50.0	75.0

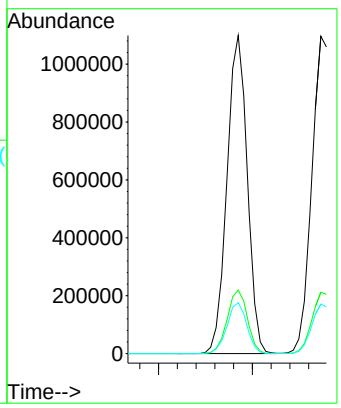


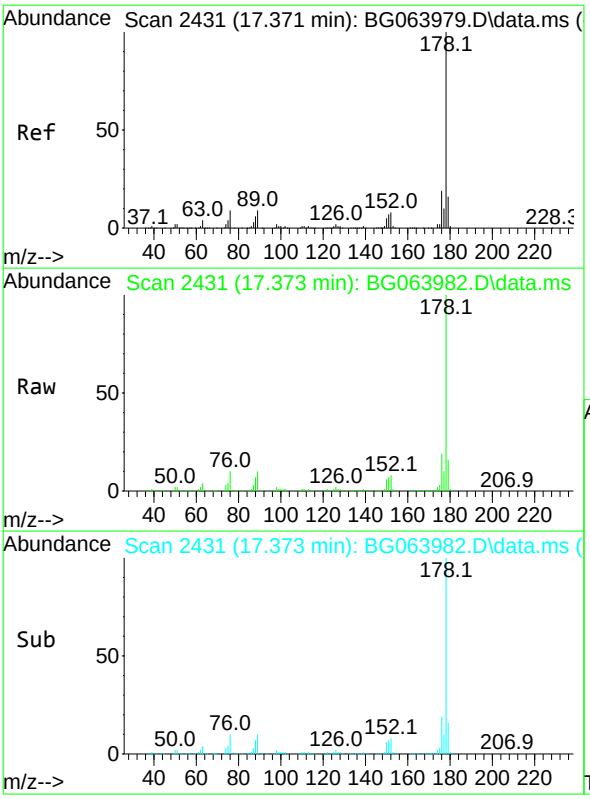


#71
Phenanthrene
Concen: 77.937 ng
RT: 17.285 min Scan# 2416
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:178 Resp: 1652070

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	16.0	12.2	18.4



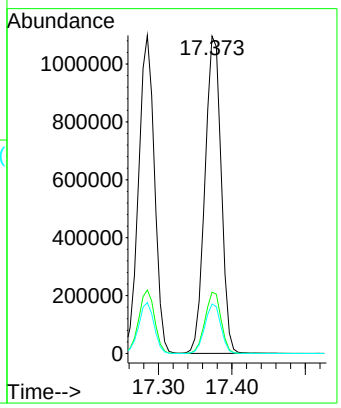


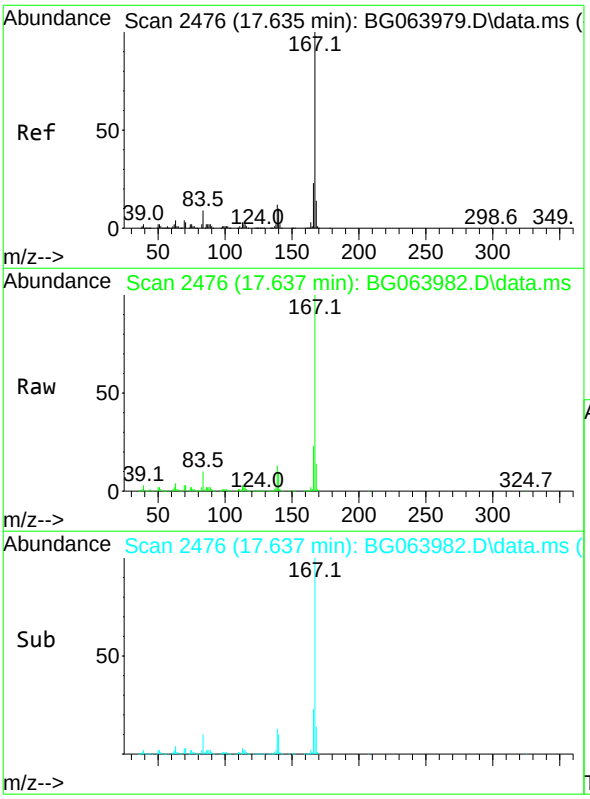
#72
Anthracene
Concen: 79.182 ng
RT: 17.373 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1679507

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.6	12.8	19.2

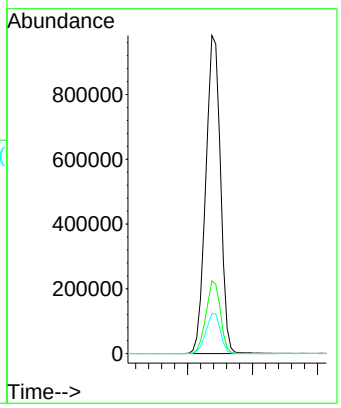


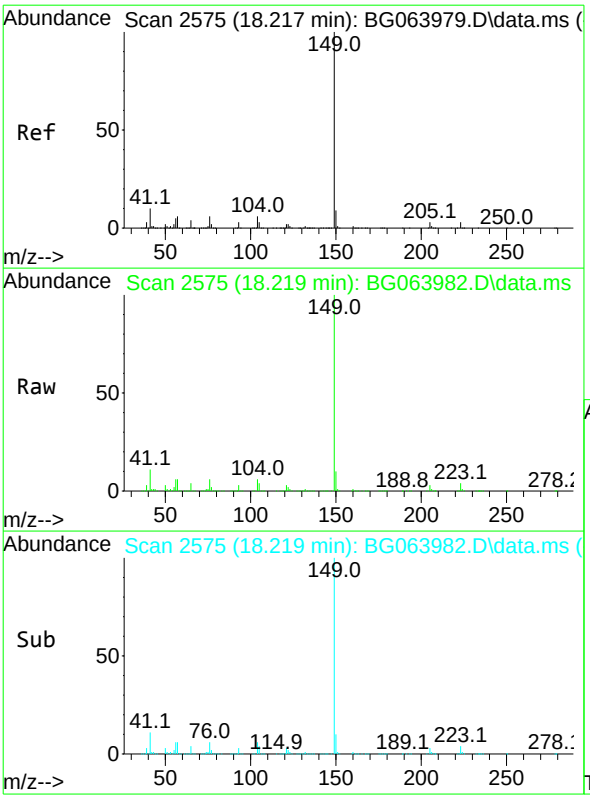


#73
Carbazole
Concen: 77.732 ng
RT: 17.637 min Scan# 2476
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:167 Resp: 1543432

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.6	28.0
139	12.6	9.8	14.8



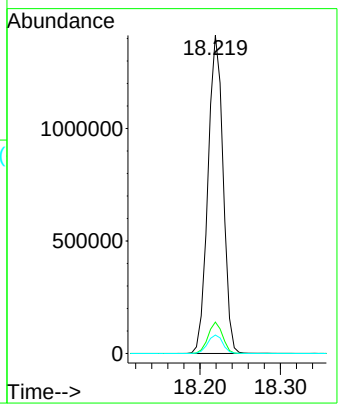


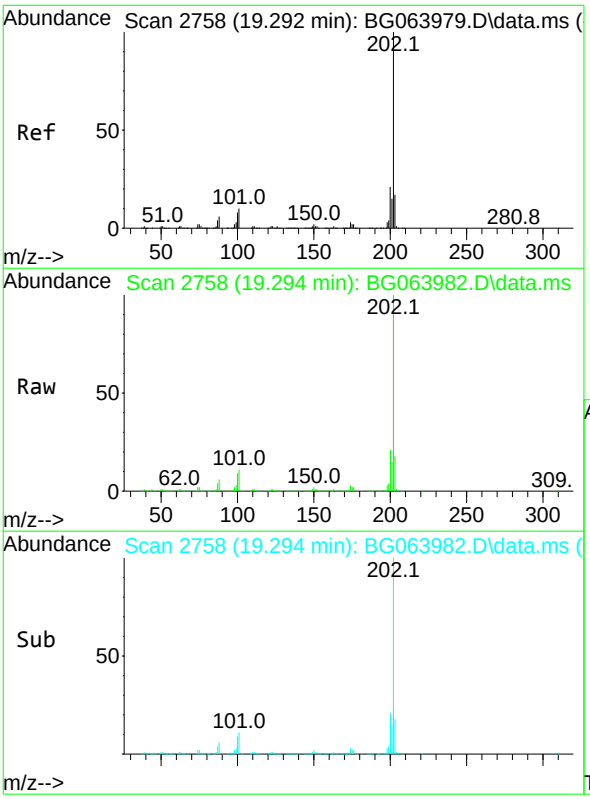
#74
Di-n-butylphthalate
Concen: 89.183 ng
RT: 18.219 min Scan# 25
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1845855

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.4	11.0
104	5.8	4.6	6.8

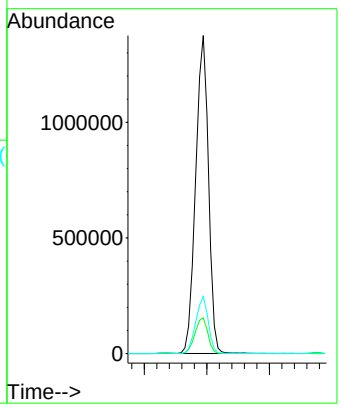


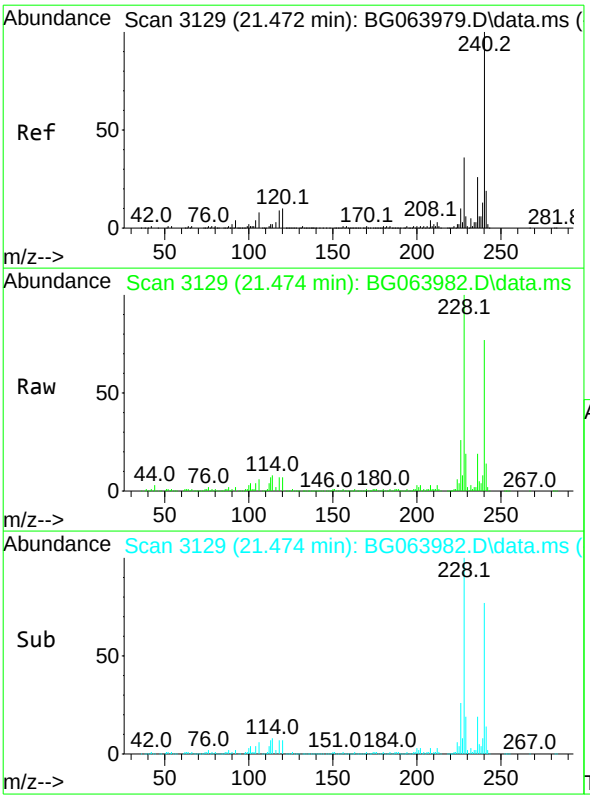


#75
Fluoranthene
Concen: 75.708 ng
RT: 19.294 min Scan# 2758
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:202 Resp: 1954193

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.4
203	17.9	0.0	37.0



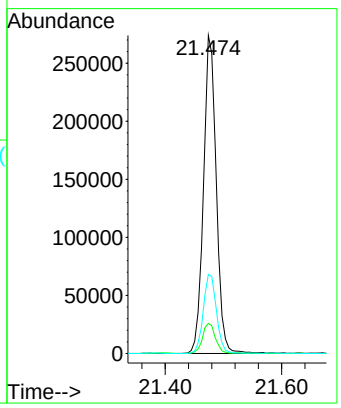


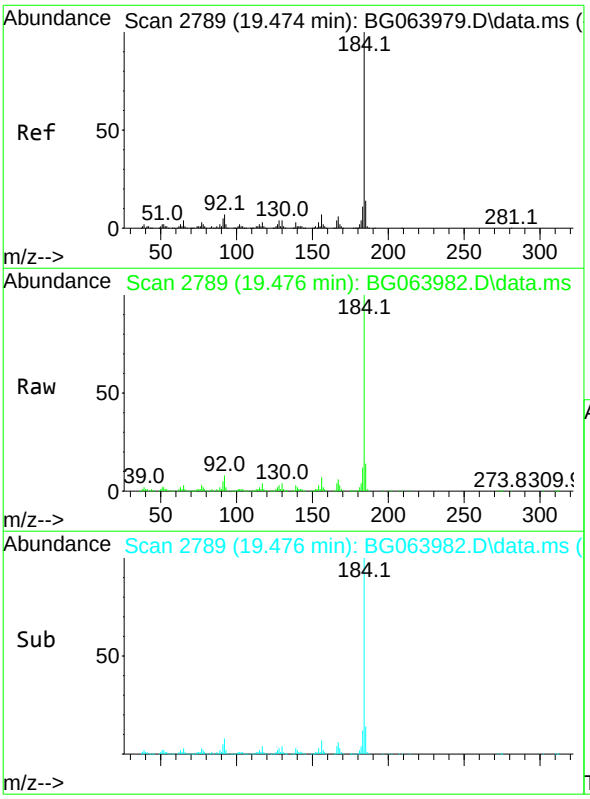
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.474 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 417408

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.9	11.9
236	24.9	21.0	31.6

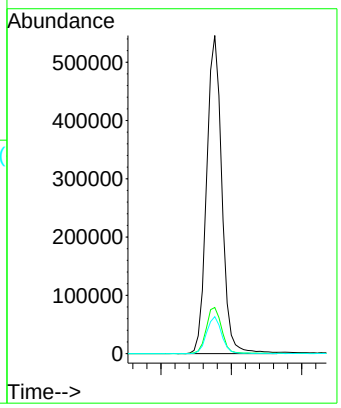


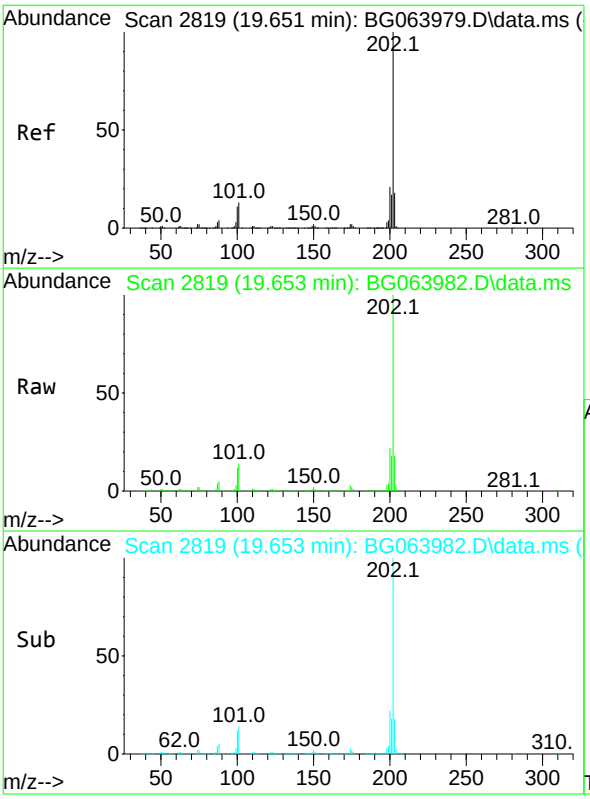


#77
Benzidine
Concen: 92.181 ng
RT: 19.476 min Scan# 2789
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:184 Resp: 819347

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.2	16.8
183	11.6	8.7	13.1



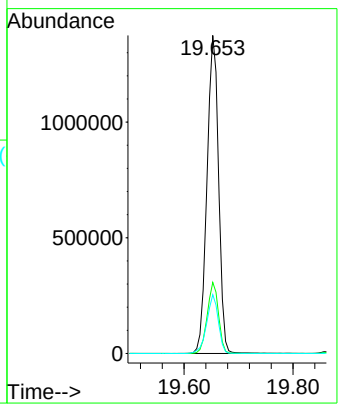


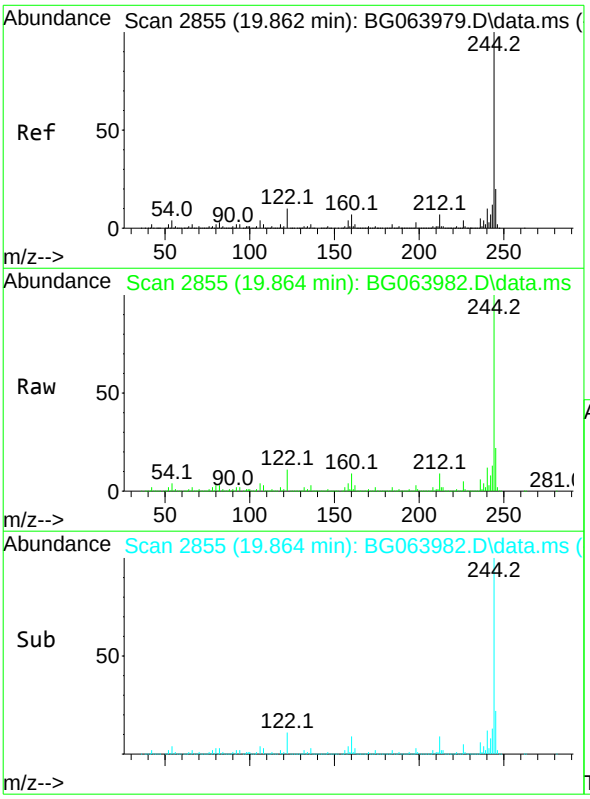
#78
Pyrene
Concen: 78.753 ng
RT: 19.653 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 2029361

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.0	25.4
203	18.5	14.5	21.7

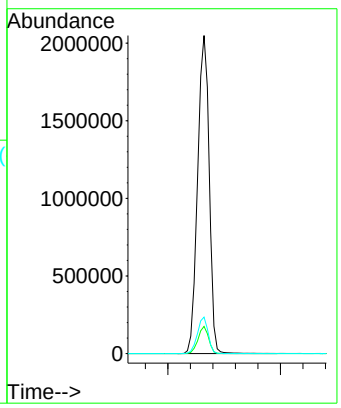


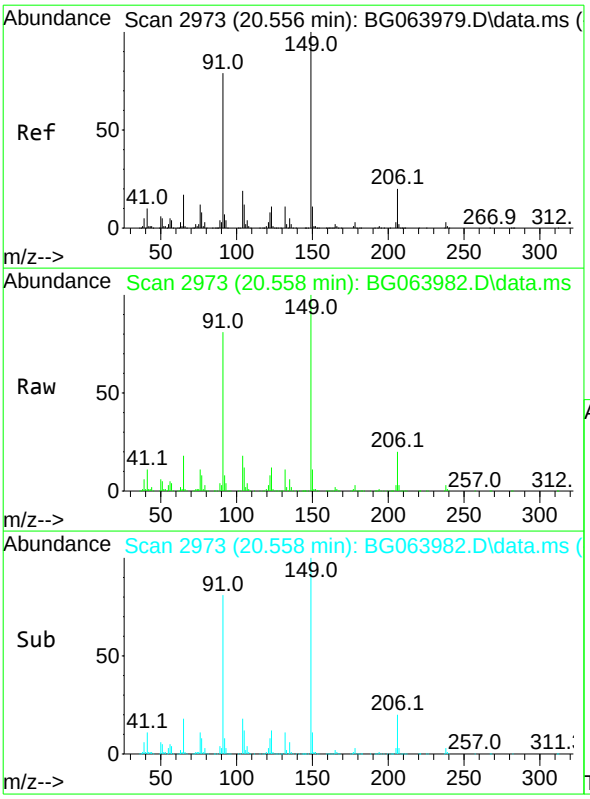


#79
Terphenyl-d14
Concen: 146.200 ng
RT: 19.864 min Scan# 2855
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:244 Resp: 2922013

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	11.5	7.7	11.5



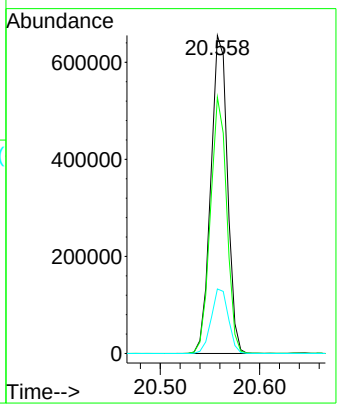


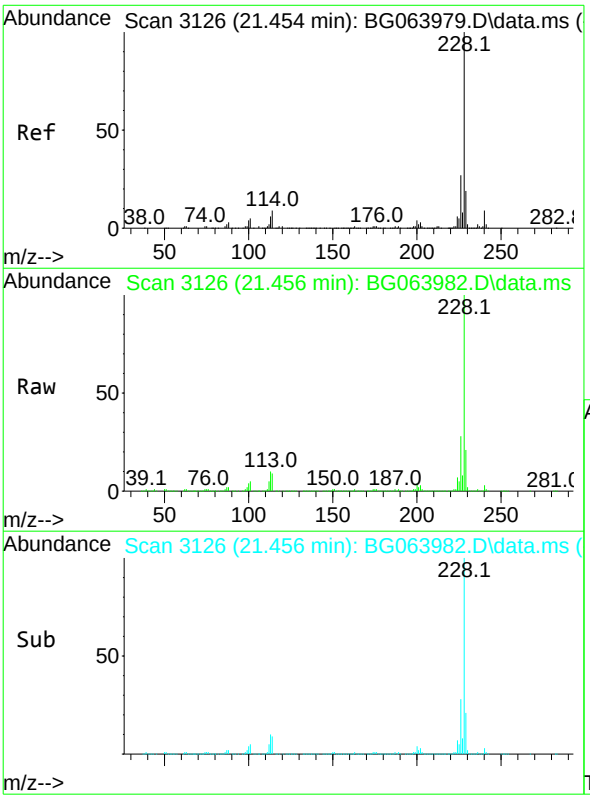
#80
Butylbenzylphthalate
Concen: 80.855 ng
RT: 20.558 min Scan# 29
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 766231

Ion	Ratio	Lower	Upper
149	100		
91	80.6	63.0	94.6
206	20.3	15.8	23.6

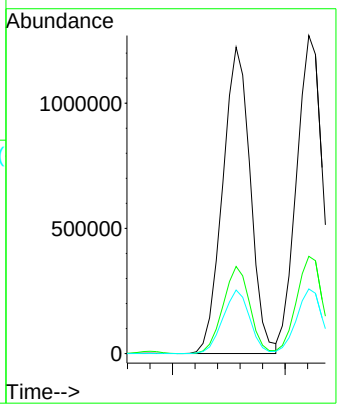


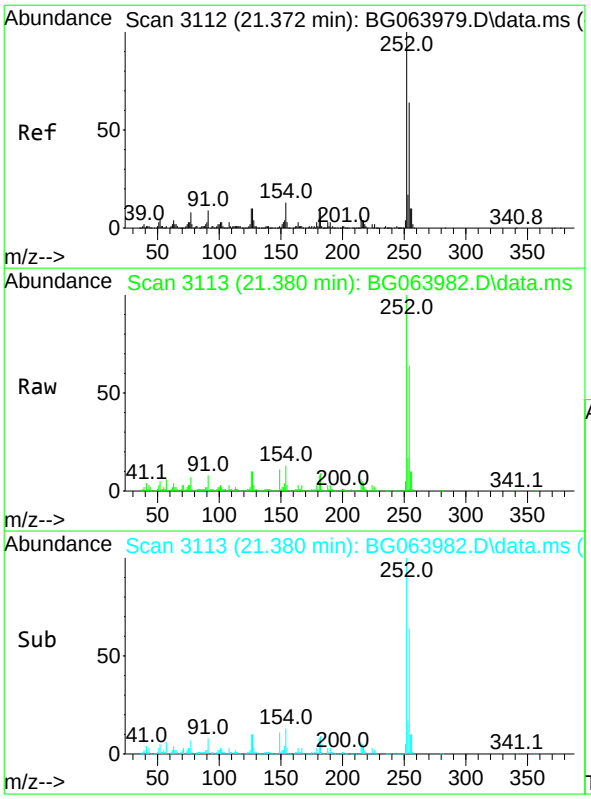


#81
Benzo(a)anthracene
Concen: 79.032 ng
RT: 21.456 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:228 Resp: 2094477

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.6
229	20.8	15.5	23.3



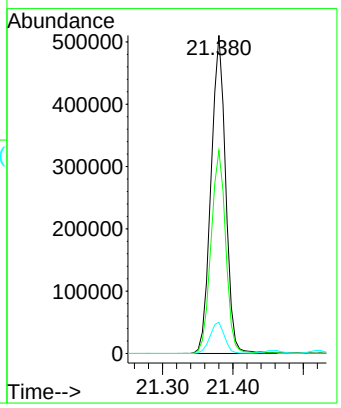


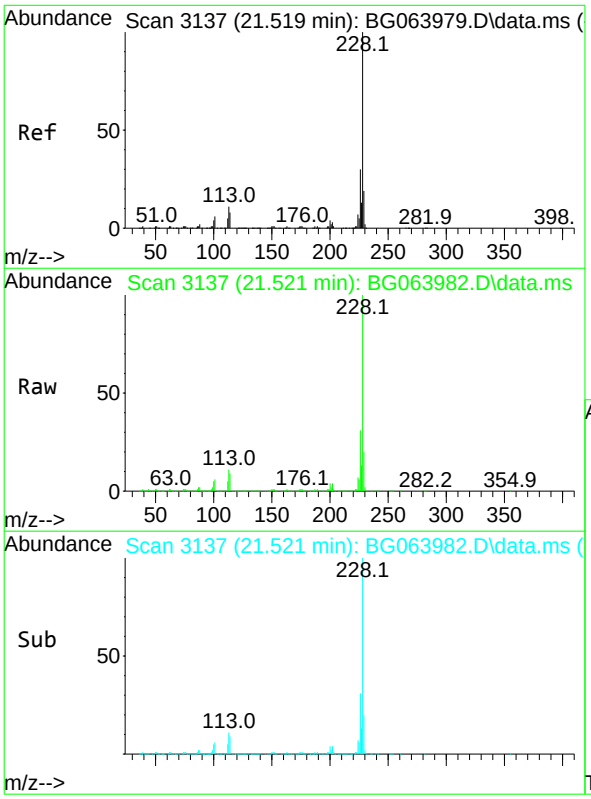
#82
3,3'-Dichlorobenzidine
Concen: 89.070 ng
RT: 21.380 min Scan# 31
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 735114

Ion	Ratio	Lower	Upper
252	100		
254	63.8	50.8	76.2
126	9.8	8.2	12.2

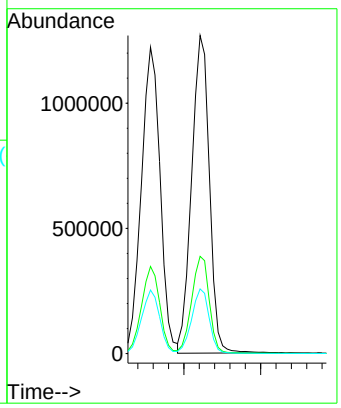


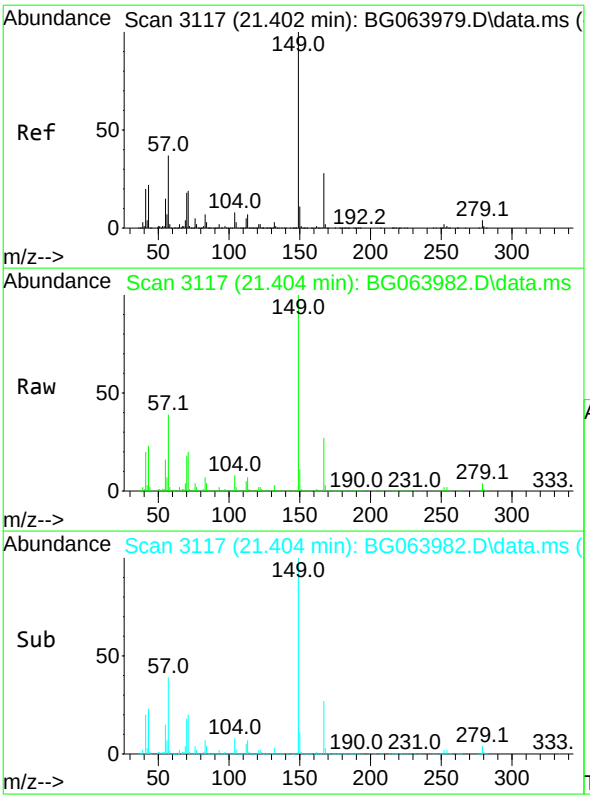


#83
Chrysene
Concen: 77.117 ng
RT: 21.521 min Scan# 3137
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:228 Resp: 2033841

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	20.3	15.4	23.0



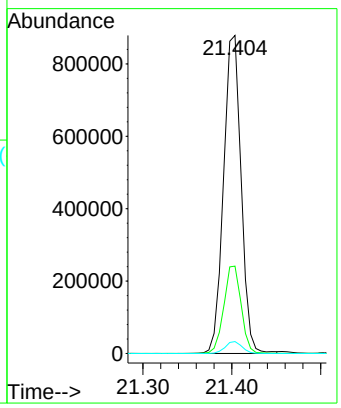


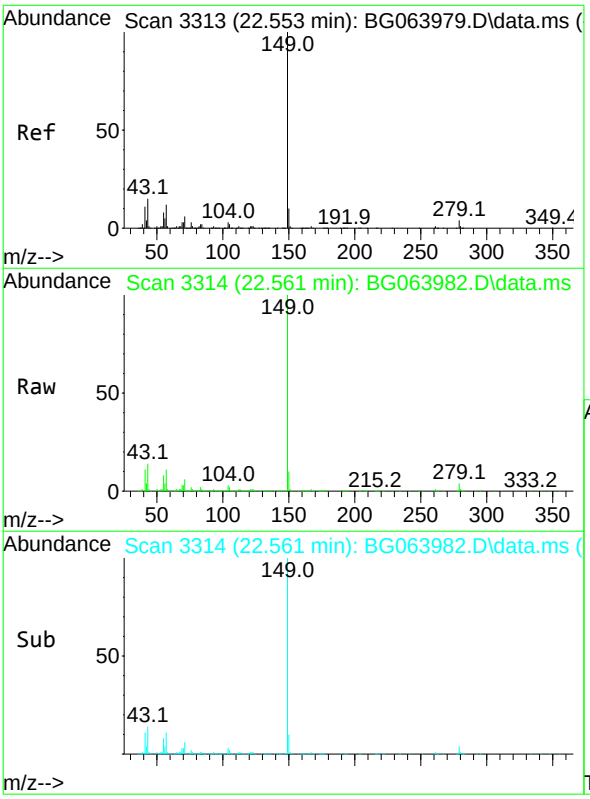
#84
Bis(2-ethylhexyl)phthalate
Concen: 80.301 ng
RT: 21.404 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1206467

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.5	33.7
279	3.7	3.0	4.4

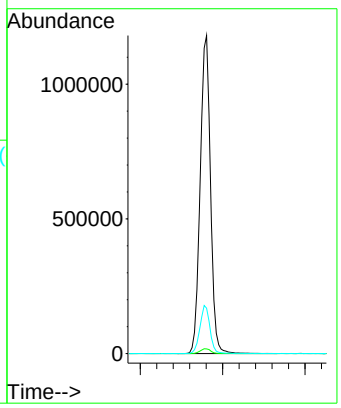


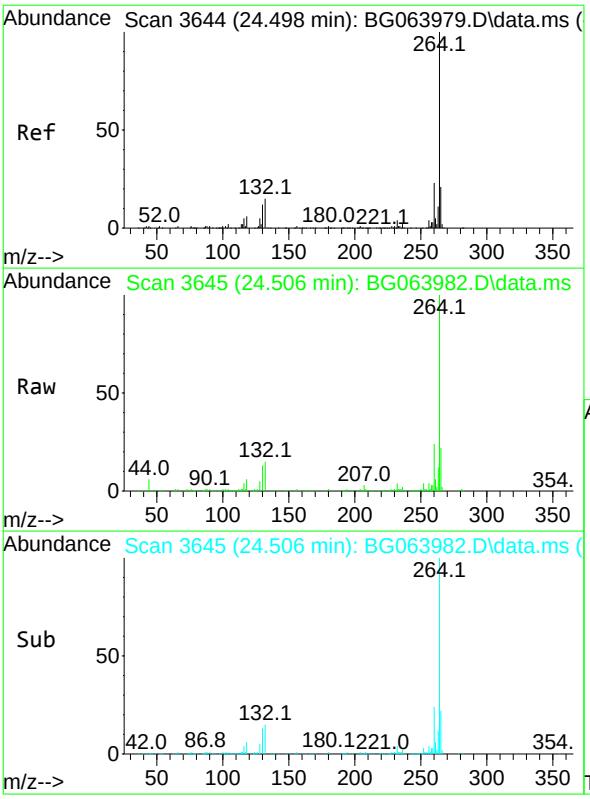


#85
Di-n-octyl phthalate
Concen: 81.075 ng
RT: 22.561 min Scan# 3314
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:149 Resp: 2046672

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	14.8	12.3	18.5



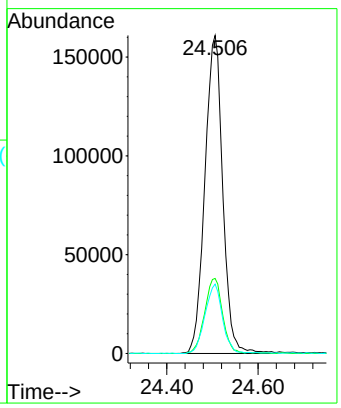


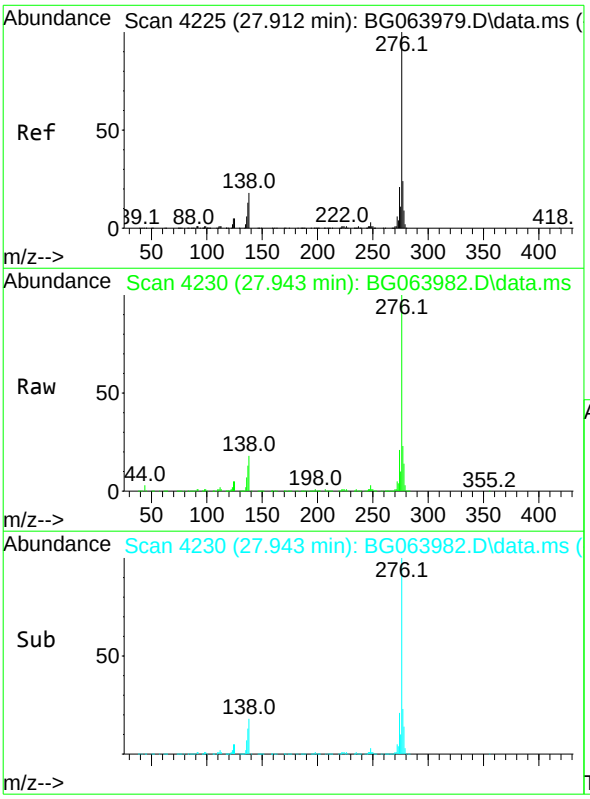
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.506 min Scan# 36
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 436876

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.8	16.6	24.8

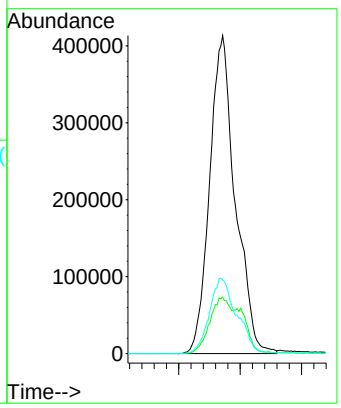


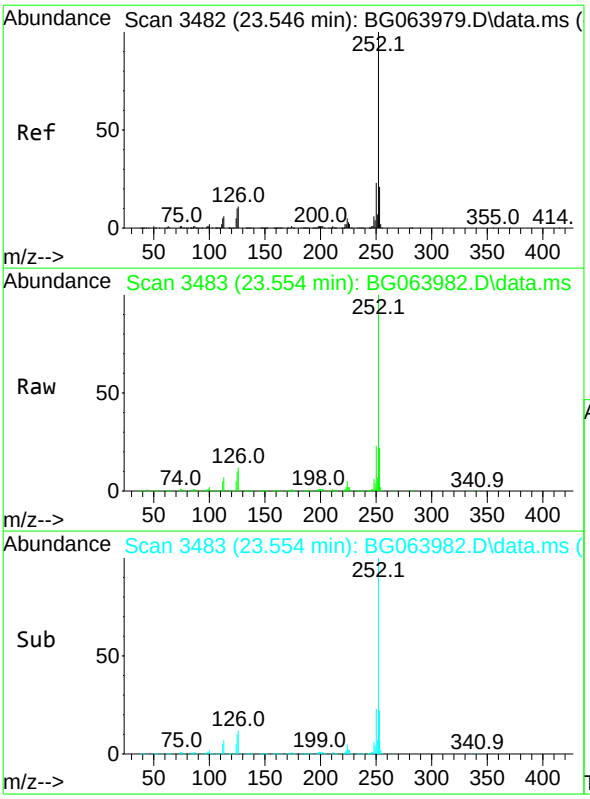


#87
Indeno(1,2,3-cd)pyrene
Concen: 85.039 ng
RT: 27.943 min Scan# 4230
Delta R.T. 0.031 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:276 Resp: 2396769

Ion	Ratio	Lower	Upper
276	100		
138	14.9	10.7	16.1
277	25.3	20.2	30.4



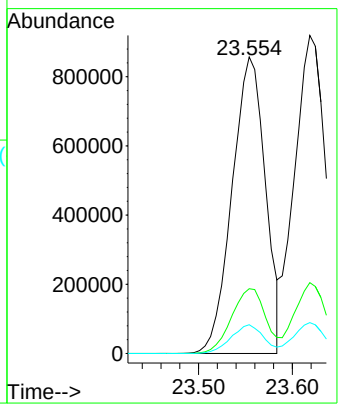


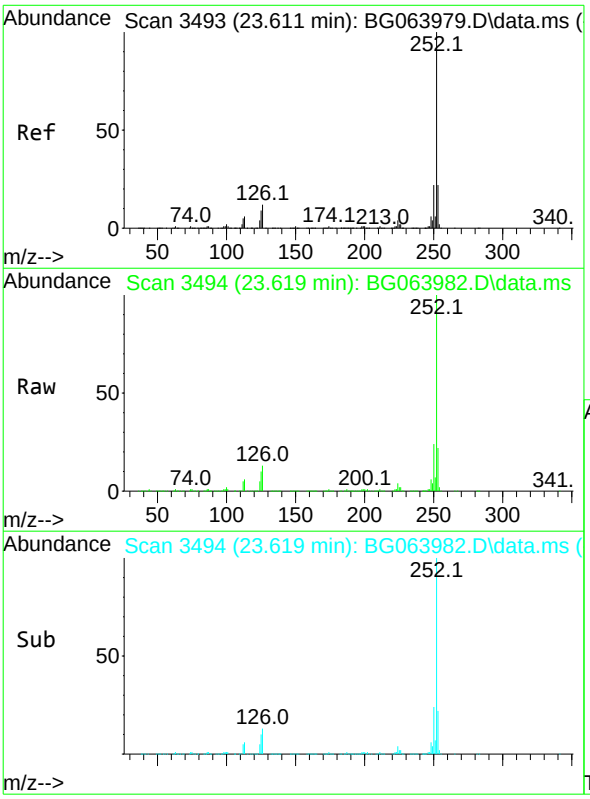
#88
Benzo(b)fluoranthene
Concen: 82.186 ng
RT: 23.554 min Scan# 34
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2114269

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.9	25.3
125	9.7	7.9	11.9

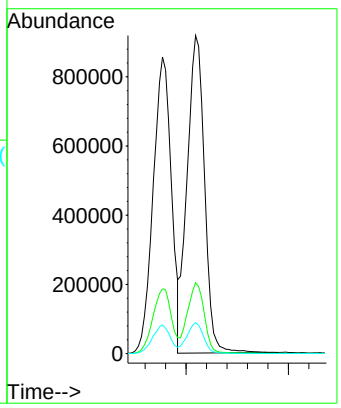


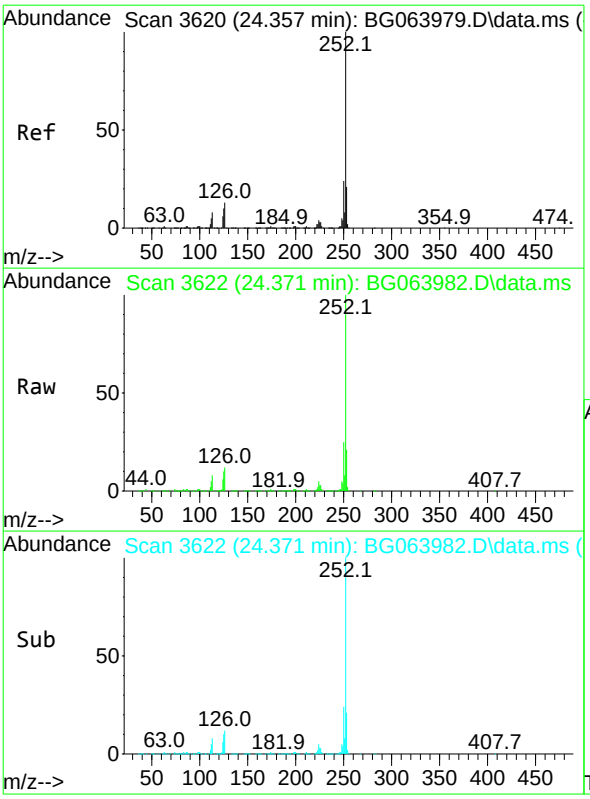


#89
Benzo(k)fluoranthene
Concen: 82.157 ng
RT: 23.619 min Scan# 3494
Delta R.T. 0.008 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:252 Resp: 2170201

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.7	7.5	11.3



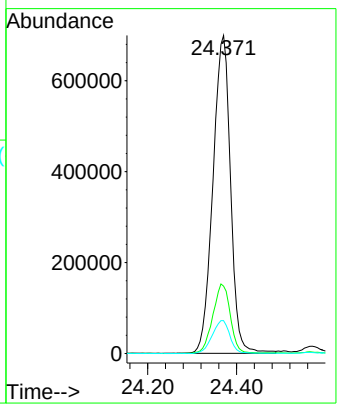


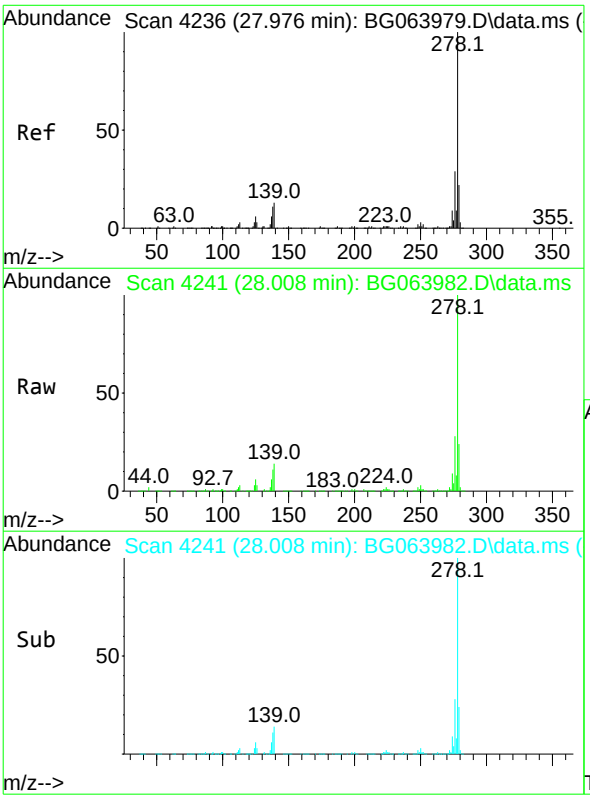
#90
Benzo(a)pyrene
Concen: 83.736 ng
RT: 24.371 min Scan# 36
Delta R.T. 0.014 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1922777

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	10.3	7.9	11.9

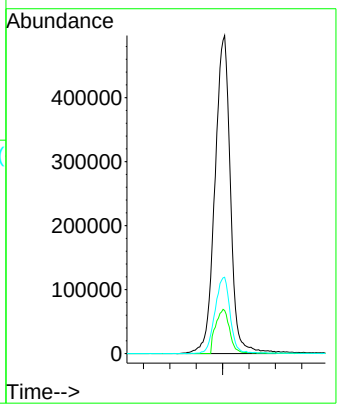


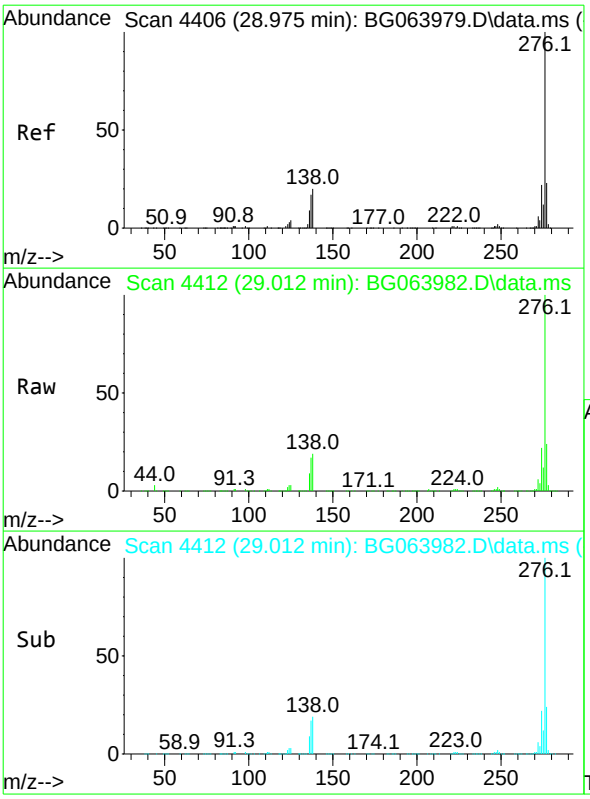


#91
Dibenzo(a,h)anthracene
Concen: 85.360 ng
RT: 28.008 min Scan# 4241
Delta R.T. 0.031 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Tgt Ion:278 Resp: 2031458

Ion	Ratio	Lower	Upper
278	100		
139	13.6	10.8	16.2
279	24.0	17.8	26.6



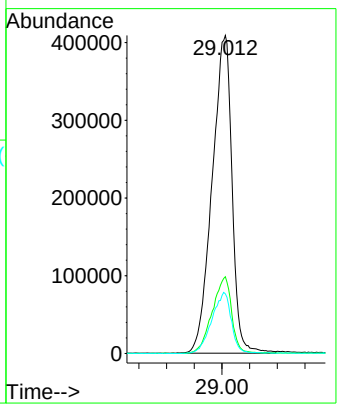


#92
Benzo(g,h,i)perylene
Concen: 84.876 ng
RT: 29.012 min Scan# 44
Delta R.T. 0.037 min
Lab File: BG063982.D
Acq: 3 Feb 2025 15:42

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 2039172

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.2	27.4
138	18.7	15.8	23.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.872	152	57554	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	250776	20.000	ng		0.00
39) Acenaphthene-d10	14.500	164	173240	20.000	ng		0.00
64) Phenanthrene-d10	17.238	188	391413	20.000	ng	#	0.00
76) Chrysene-d12	21.474	240	420206	20.000	ng		0.00
86) Perylene-d12	24.500	264	451428	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	303659	84.592	ng		-0.01
7) Phenol-d6	7.032	99	415210	84.286	ng		0.00
23) Nitrobenzene-d5	9.024	82	371433	90.016	ng		0.00
42) 2,4,6-Tribromophenol	15.986	330	162679	87.013	ng		0.00
45) 2-Fluorobiphenyl	13.125	172	867989	76.765	ng		0.00
79) Terphenyl-d14	19.864	244	1634516	81.237	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.377	88	55187	32.372	ng		96
3) Pyridine	3.765	79	169145	36.743	ng		99
4) n-Nitrosodimethylamine	3.683	42	99025	37.410	ng		95
6) Aniline	7.196	93	214776	40.684	ng		97
8) 2-Chlorophenol	7.431	128	160902	43.988	ng		99
9) Benzaldehyde	7.008	77	114865	42.712	ng		99
10) Phenol	7.055	94	213959	41.261	ng		96
11) bis(2-Chloroethyl)ether	7.296	93	167924	40.215	ng		95
12) 1,3-Dichlorobenzene	7.760	146	169528	38.949	ng		96
13) 1,4-Dichlorobenzene	7.907	146	173349	39.435	ng		97
14) 1,2-Dichlorobenzene	8.225	146	168069	39.891	ng		98
15) Benzyl Alcohol	8.101	79	155797	42.312	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.407	45	329368	39.171	ng		99
17) 2-Methylphenol	8.307	107	139196	41.505	ng		93
18) Hexachloroethane	8.953	117	61086	42.225	ng		97
19) n-Nitroso-di-n-propyla...	8.677	70	138092	40.479	ng	#	94
20) 3+4-Methylphenols	8.630	107	189329	42.374	ng		97
22) Acetophenone	8.689	105	273908	39.753	ng		98
24) Nitrobenzene	9.065	77	189280	40.346	ng		98
25) Isophorone	9.588	82	363011	40.583	ng	#	99
26) 2-Nitrophenol	9.776	139	51914	47.433	ng		96
27) 2,4-Dimethylphenol	9.835	122	110547	42.963	ng		97
28) bis(2-Chloroethoxy)met...	10.075	93	230391	40.478	ng		98
29) 2,4-Dichlorophenol	10.305	162	145586	41.051	ng		96
30) 1,2,4-Trichlorobenzene	10.522	180	167591	39.645	ng		95
31) Naphthalene	10.710	128	542435	40.345	ng		99
32) Benzoic acid	9.958	122	76026m	45.836	ng		
33) 4-Chloroaniline	10.816	127	210025	40.771	ng		98
34) Hexachlorobutadiene	11.004	225	107507	39.935	ng		100
35) Caprolactam	11.574	113	54489	42.136	ng		99
36) 4-Chloro-3-methylphenol	11.938	107	180676	43.869	ng		99
37) 2-Methylnaphthalene	12.320	142	373633	39.879	ng		98
38) 1-Methylnaphthalene	12.537	142	366093	39.490	ng		99
40) 1,2,4,5-Tetrachloroben...	12.690	216	198430	38.841	ng		100
41) Hexachlorocyclopentadiene	12.672	237	58427	45.188	ng		99
43) 2,4,6-Trichlorophenol	12.925	196	119118	40.514	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.990	196	134165	40.400	ng		99
46) 1,1'-Biphenyl	13.336	154	503460	38.170	ng		100
47) 2-Chloronaphthalene	13.372	162	370275	38.515	ng		99
48) 2-Nitroaniline	13.565	65	112776	44.383	ng		97
49) Acenaphthylene	14.218	152	588896	39.437	ng		98
50) Dimethylphthalate	13.959	163	483597	42.101	ng		100
51) 2,6-Dinitrotoluene	14.065	165	90487	42.654	ng		96
52) Acenaphthene	14.564	154	400608	39.995	ng		98
53) 3-Nitroaniline	14.394	138	100935	40.569	ng		99
54) 2,4-Dinitrophenol	14.600	184	25013	47.424	ng		93
55) Dibenzofuran	14.899	168	644130	39.604	ng		98
56) 4-Nitrophenol	14.694	139	86853	43.406	ng		95
57) 2,4-Dinitrotoluene	14.852	165	122954	44.184	ng	#	96
58) Fluorene	15.545	166	496813	39.521	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.122	232	135962	42.381	ng		98
60) Diethylphthalate	15.328	149	536976	44.092	ng		98
61) 4-Chlorophenyl-phenyle...	15.545	204	245966	38.996	ng		98
62) 4-Nitroaniline	15.557	138	111268	41.528	ng		95
63) Azobenzene	15.839	77	571955	39.763	ng		99
65) 4,6-Dinitro-2-methylph...	15.616	198	41712	45.314	ng		95
66) n-Nitrosodiphenylamine	15.757	169	435794	40.157	ng		96
67) 4-Bromophenyl-phenylether	16.439	248	158933	40.795	ng		97
68) Hexachlorobenzene	16.550	284	183508	40.064	ng		97
69) Atrazine	16.709	200	162149	44.898	ng		99
70) Pentachlorophenol	16.885	266	111499	41.902	ng		95
71) Phenanthrene	17.285	178	824949	40.128	ng		100
72) Anthracene	17.373	178	822921	40.005	ng		100
73) Carbazole	17.637	167	787304	40.885	ng		99
74) Di-n-butylphthalate	18.219	149	934157	46.539	ng		99
75) Fluoranthene	19.294	202	1020324	40.759	ng		99
77) Benzidine	19.470	184	342511	38.278	ng		99
78) Pyrene	19.652	202	1063833	41.009	ng		99
80) Butylbenzylphthalate	20.557	149	375602	42.221	ng		99
81) Benzo(a)anthracene	21.456	228	1083578	40.615	ng		100
82) 3,3'-Dichlorobenzidine	21.374	252	371157	44.672	ng		99
83) Chrysene	21.521	228	1078198	40.609	ng		99
84) Bis(2-ethylhexyl)phtha...	21.403	149	599462	41.896	ng		100
85) Di-n-octyl phthalate	22.555	149	997569	42.834	ng		98
87) Indeno(1,2,3-cd)pyrene	27.925	276	1185350	40.701	ng		98
88) Benzo(b)fluoranthene	23.548	252	1070145	40.258	ng		98
89) Benzo(k)fluoranthene	23.612	252	1105111	40.487	ng		100
90) Benzo(a)pyrene	24.359	252	974268	41.061	ng		99
91) Dibenzo(a,h)anthracene	27.984	278	1009580	41.054	ng		98
92) Benzo(g,h,i)perylene	28.983	276	1003616	40.427	ng		98

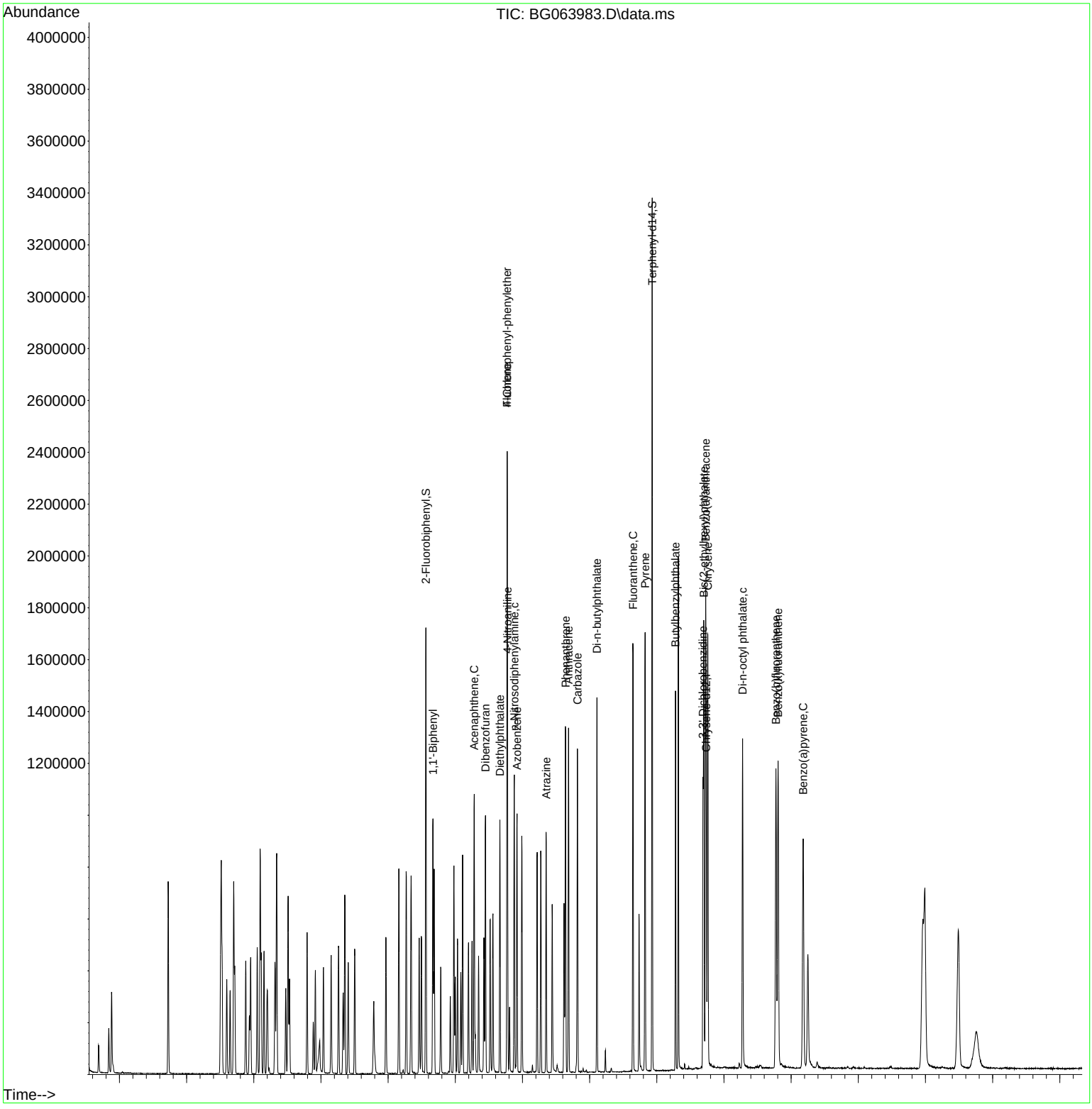
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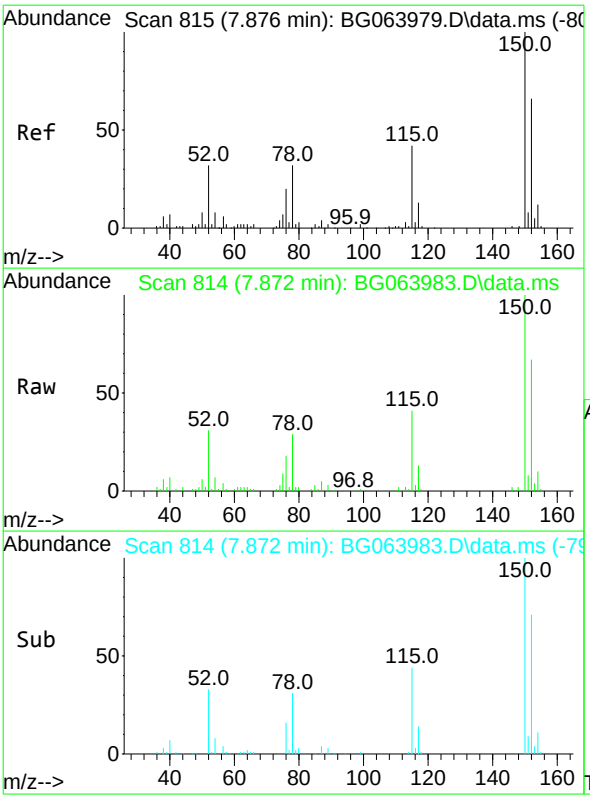
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration



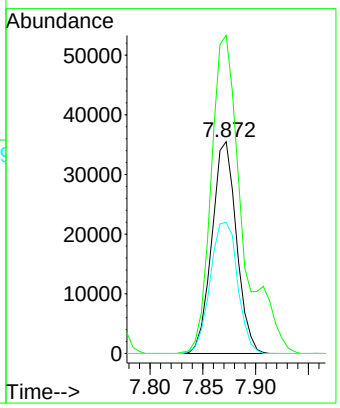


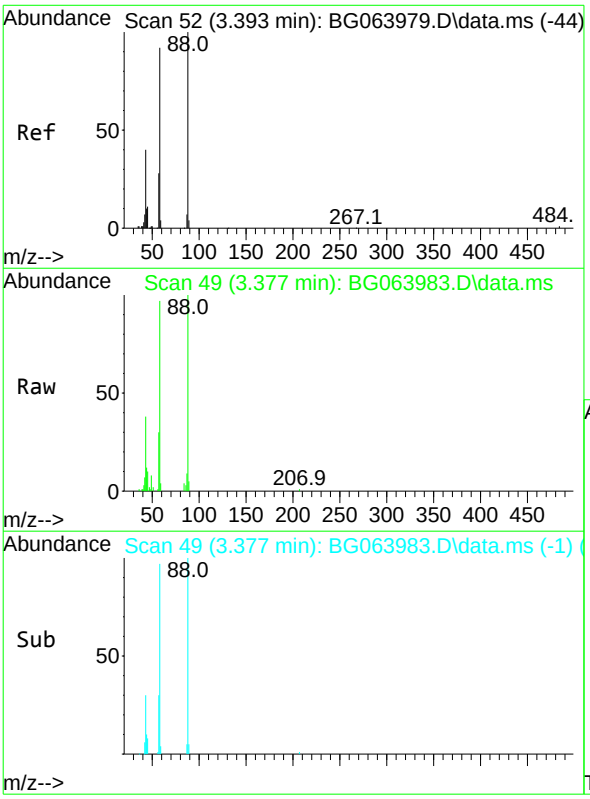
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.872 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:152 Resp: 57554

Ion	Ratio	Lower	Upper
152	100		
150	150.1	121.0	181.6
115	61.9	50.4	75.6

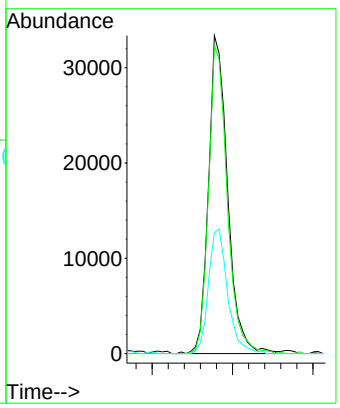


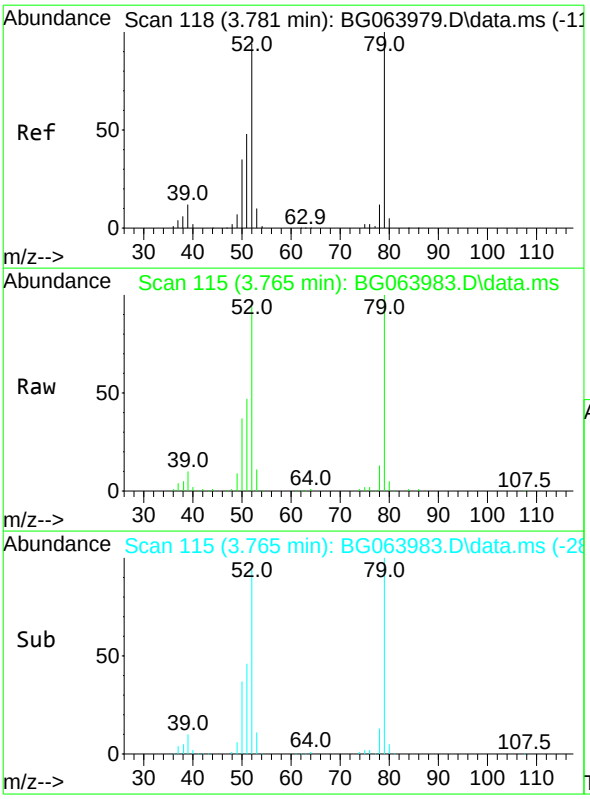


#2
1,4-Dioxane
Concen: 32.372 ng
RT: 3.377 min Scan# 49
Delta R.T. -0.016 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 88 Resp: 55187

Ion	Ratio	Lower	Upper
88	100		
58	94.6	71.8	107.8
43	39.2	31.2	46.8



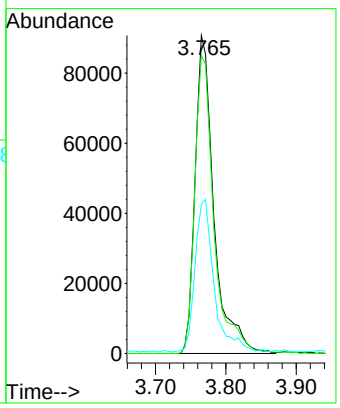


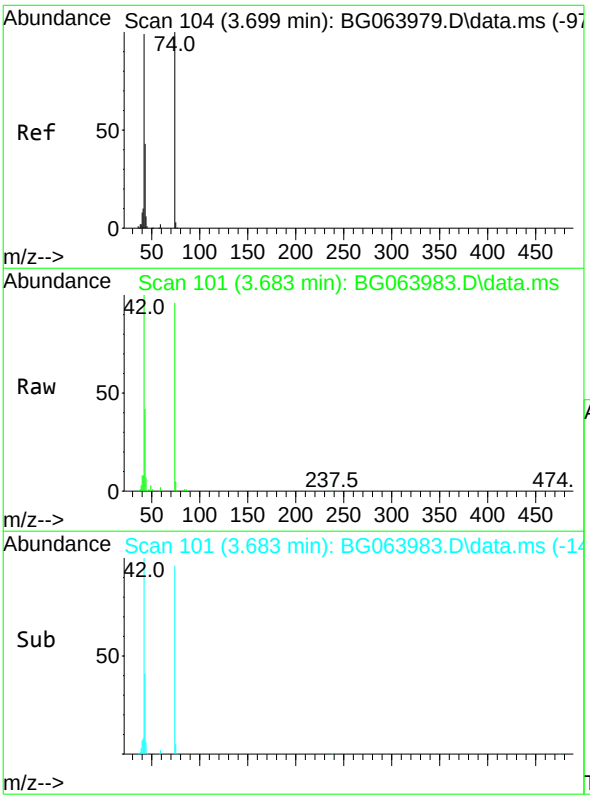
#3
Pyridine
Concen: 36.743 ng
RT: 3.765 min Scan# 11
Delta R.T. -0.016 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 79 Resp: 169145

Ion	Ratio	Lower	Upper
79	100		
52	93.6	75.1	112.7
51	46.8	38.9	58.3

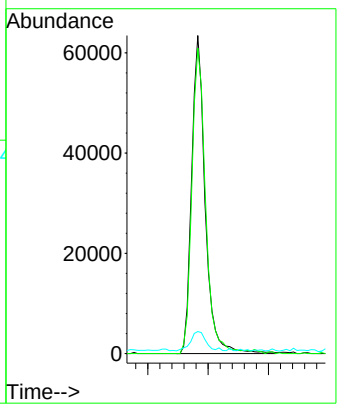


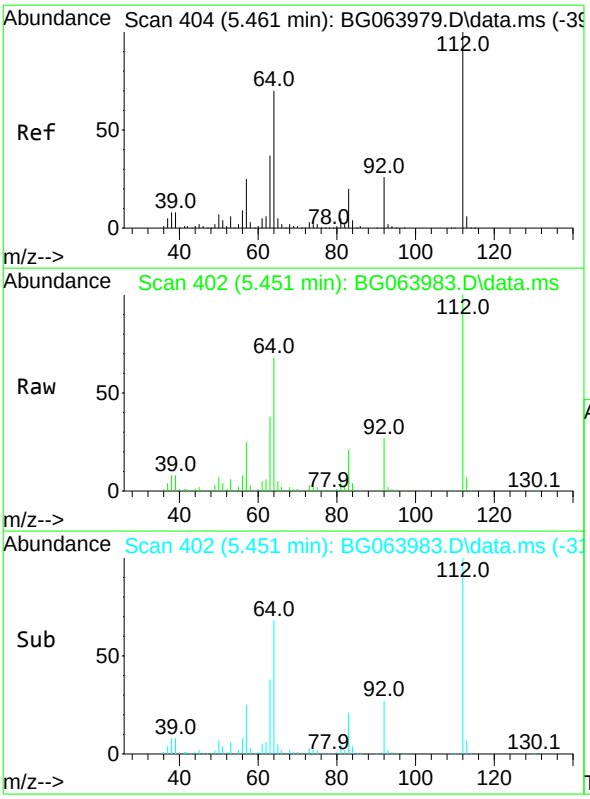


#4
n-Nitrosodimethylamine
Concen: 37.410 ng
RT: 3.683 min Scan# 101
Delta R.T. -0.016 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 42 Resp: 99025

Ion	Ratio	Lower	Upper
42	100		
74	96.1	80.8	121.2
44	6.9	5.8	8.6



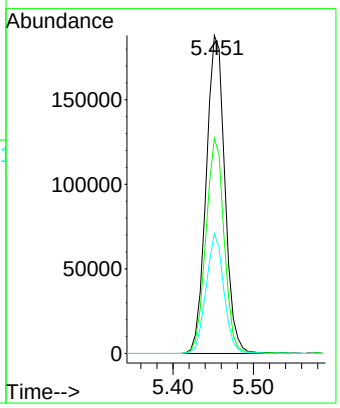


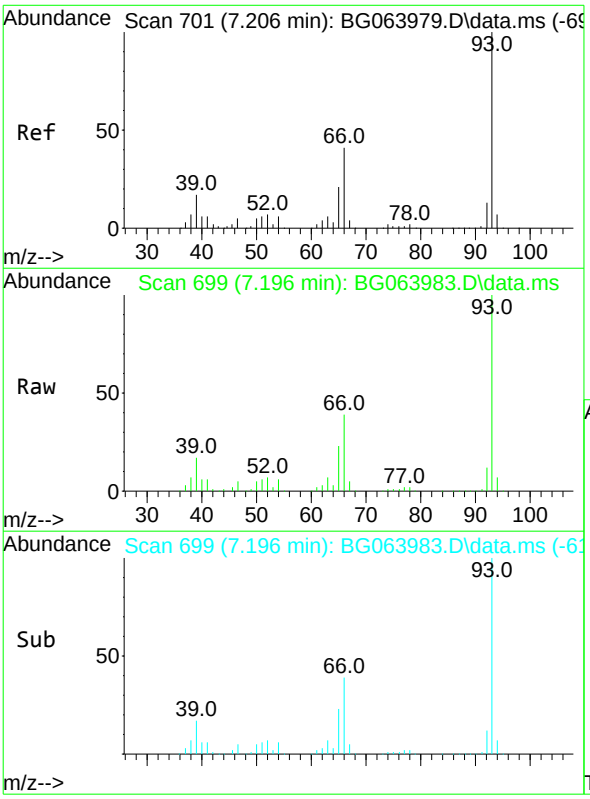
#5
2-Fluorophenol
Concen: 84.592 ng
RT: 5.451 min Scan# 40
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:112 Resp: 303659

Ion	Ratio	Lower	Upper
112	100		
64	67.7	55.8	83.8
63	37.7	29.3	43.9

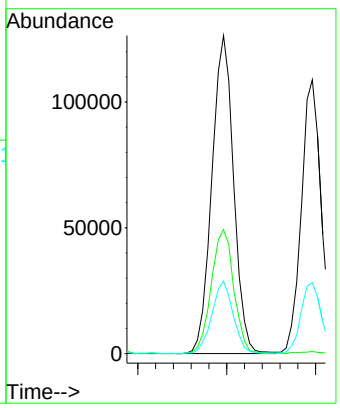


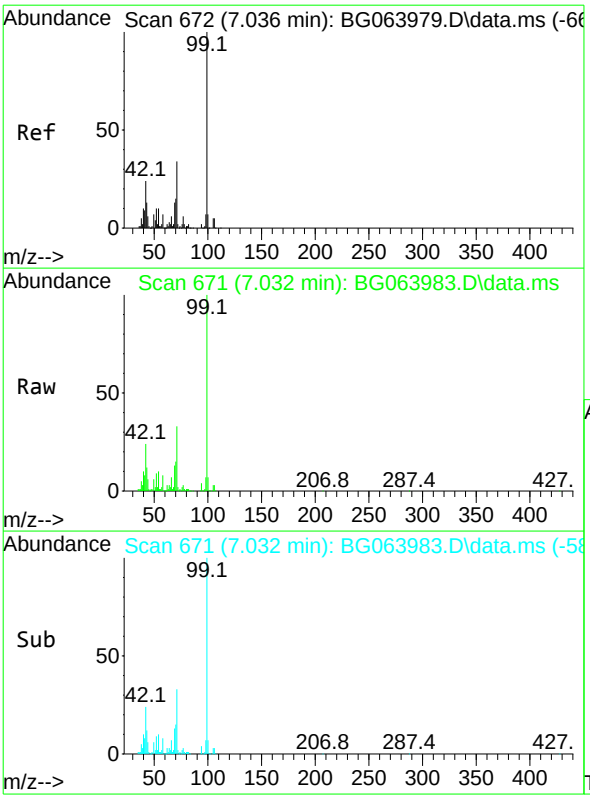


#6
Aniline
Concen: 40.684 ng
RT: 7.196 min Scan# 699
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 93 Resp: 214776

Ion	Ratio	Lower	Upper
93	100		
66	39.0	32.5	48.7
65	22.8	16.6	25.0



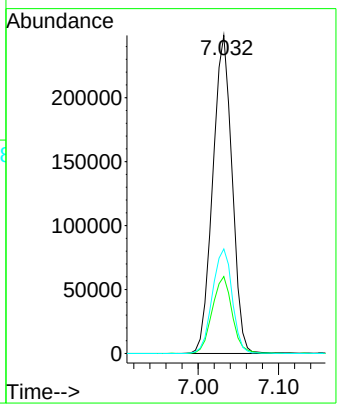


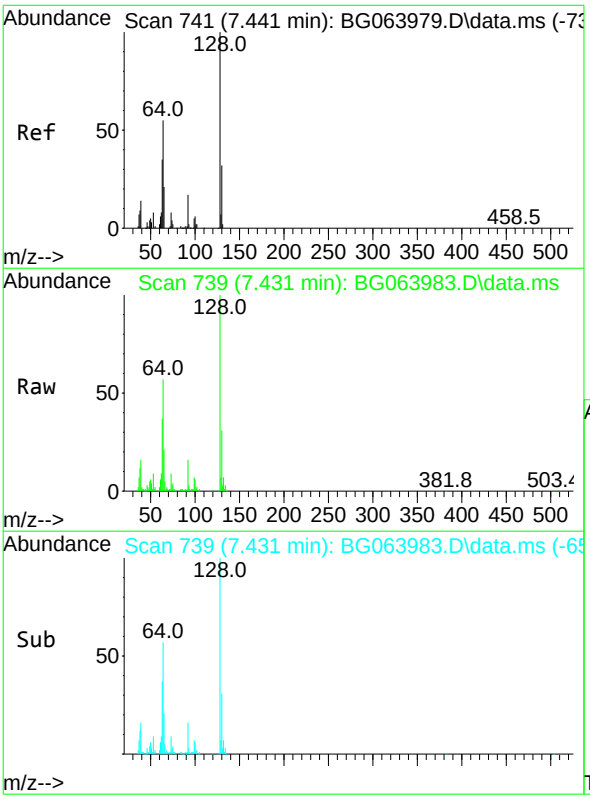
#7
Phenol-d6
Concen: 84.286 ng
RT: 7.032 min Scan# 67
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 99 Resp: 415210

Ion	Ratio	Lower	Upper
99	100		
42	24.2	18.9	28.3
71	32.9	27.0	40.6

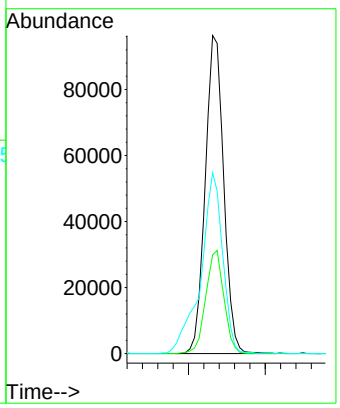


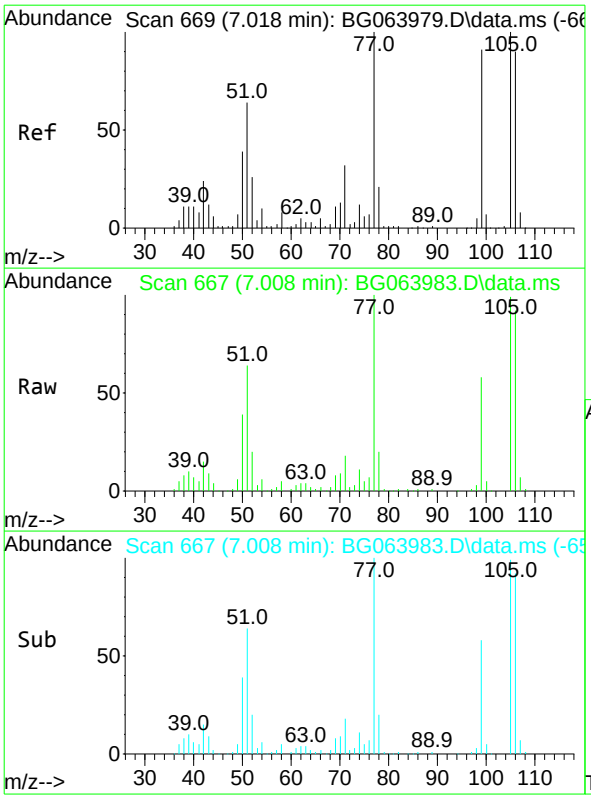


#8
2-Chlorophenol
Concen: 43.988 ng
RT: 7.431 min Scan# 739
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:128 Resp: 160902

Ion	Ratio	Lower	Upper
128	100		
130	31.0	11.9	51.9
64	56.8	36.8	76.8



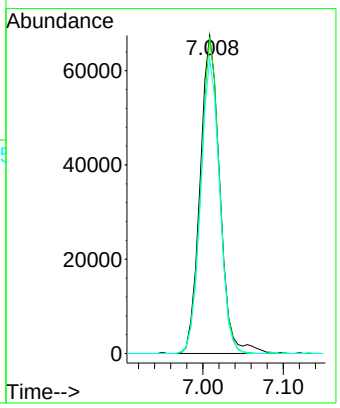


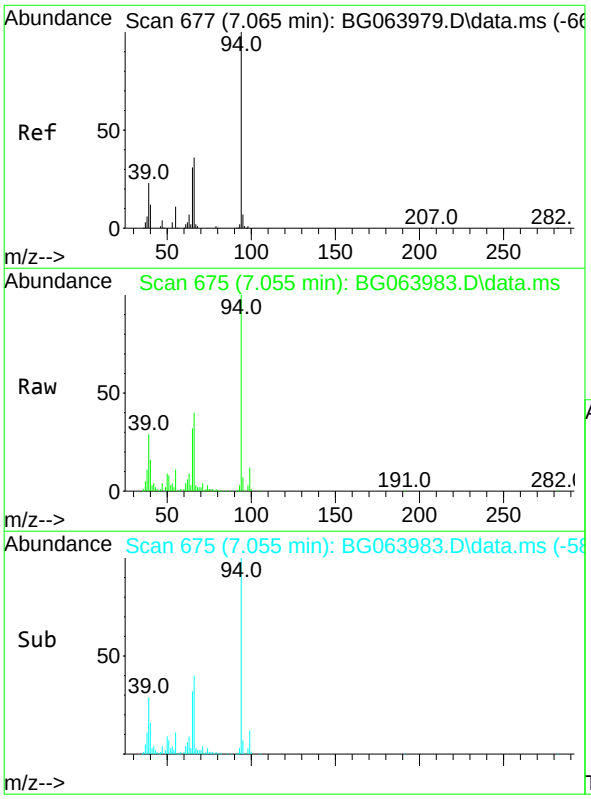
#9
Benzaldehyde
Concen: 42.712 ng
RT: 7.008 min Scan# 66
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 77 Resp: 114865

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.8	119.8
106	92.4	69.9	109.9

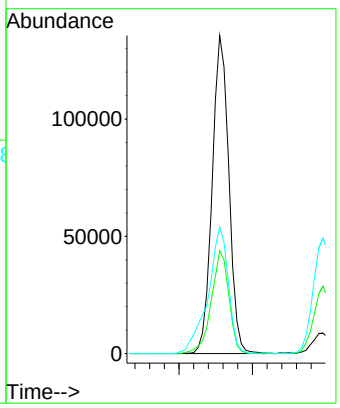


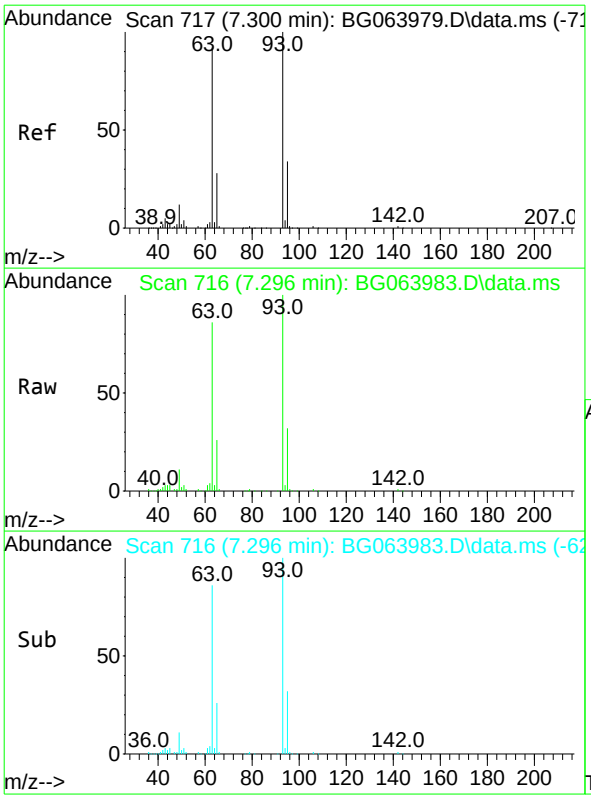


#10
Phenol
Concen: 41.261 ng
RT: 7.055 min Scan# 675
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 94 Resp: 213959

Ion	Ratio	Lower	Upper
94	100		
65	32.3	11.4	51.4
66	39.8	16.7	56.7



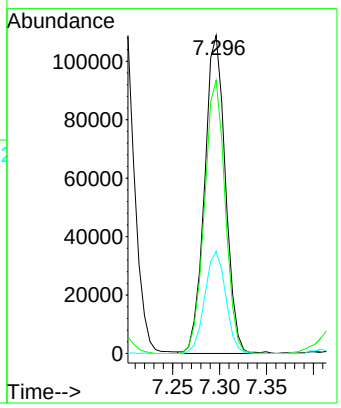


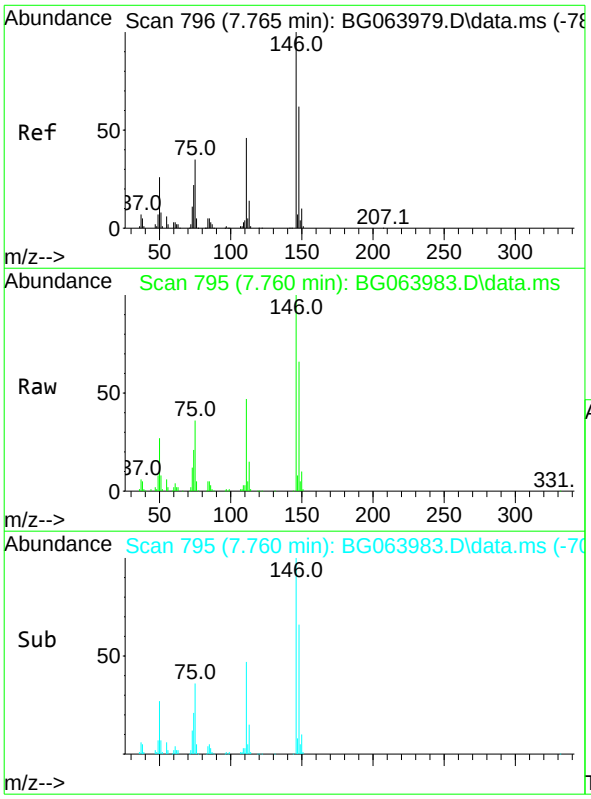
#11
bis(2-Chloroethyl)ether
Concen: 40.215 ng
RT: 7.296 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 93 Resp: 167924

Ion	Ratio	Lower	Upper
93	100		
63	85.9	71.2	111.2
95	32.1	13.9	53.9

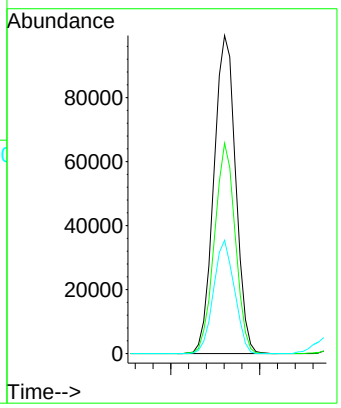


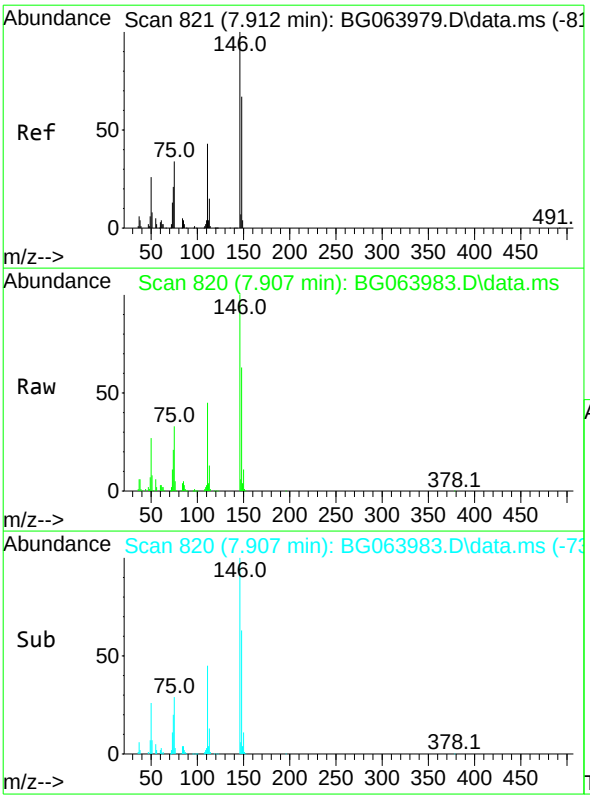


#12
1,3-Dichlorobenzene
Concen: 38.949 ng
RT: 7.760 min Scan# 795
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:146 Resp: 169528

Ion	Ratio	Lower	Upper
146	100		
148	66.2	49.6	74.4
75	35.6	27.8	41.8



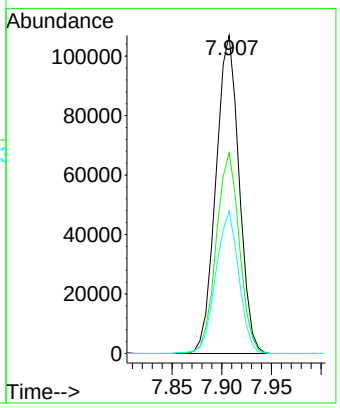


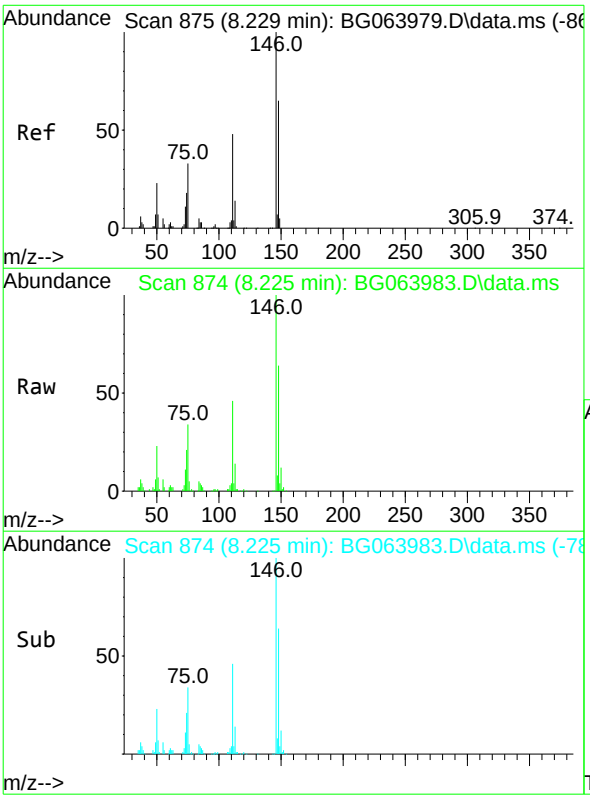
#13
1,4-Dichlorobenzene
Concen: 39.435 ng
RT: 7.907 min Scan# 82
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:146 Resp: 173349

Ion	Ratio	Lower	Upper
146	100		
148	63.1	53.3	79.9
111	44.8	34.8	52.2

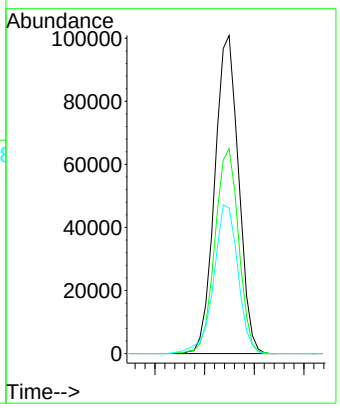


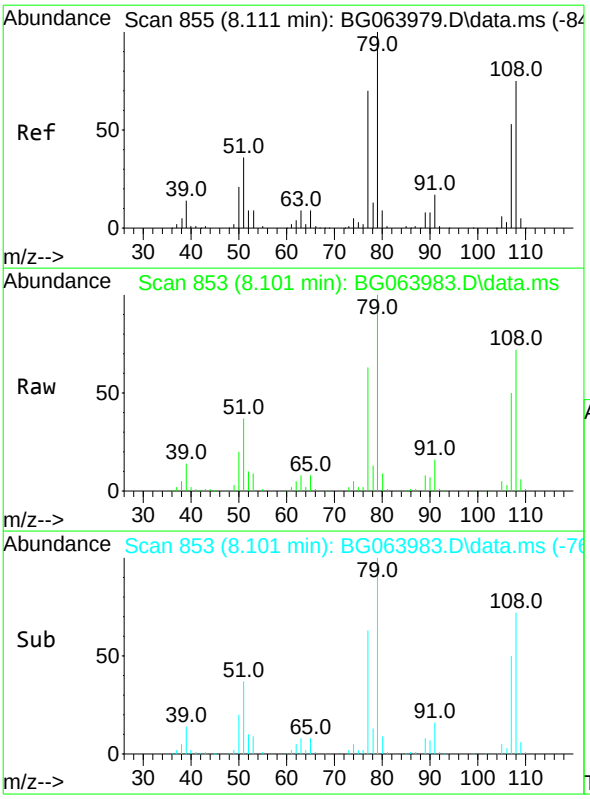


#14
1,2-Dichlorobenzene
Concen: 39.891 ng
RT: 8.225 min Scan# 874
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:146 Resp: 168069

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.0	78.0
111	45.8	38.2	57.2



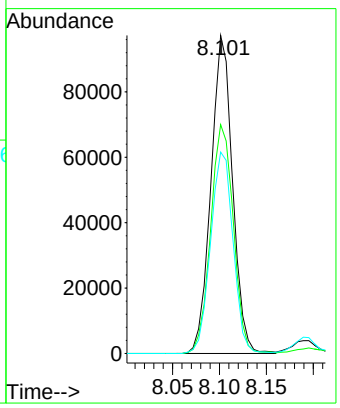


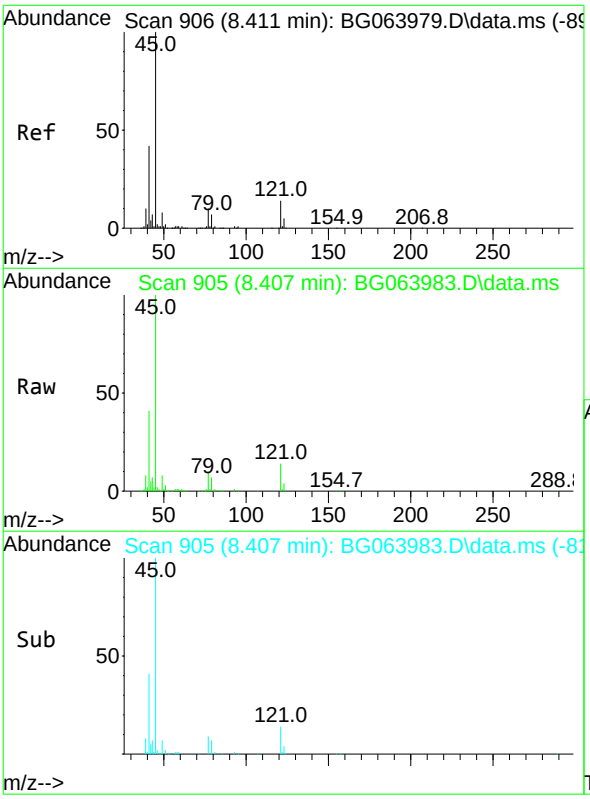
#15
Benzyl Alcohol
Concen: 42.312 ng
RT: 8.101 min Scan# 85
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 79 Resp: 155797

Ion	Ratio	Lower	Upper
79	100		
108	72.0	60.3	90.5
77	63.3	55.8	83.8

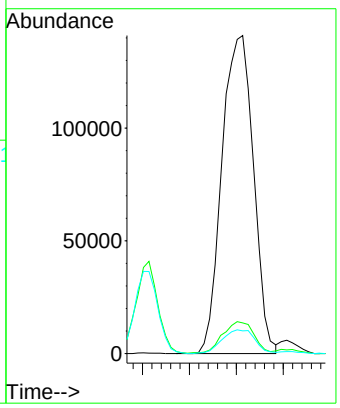


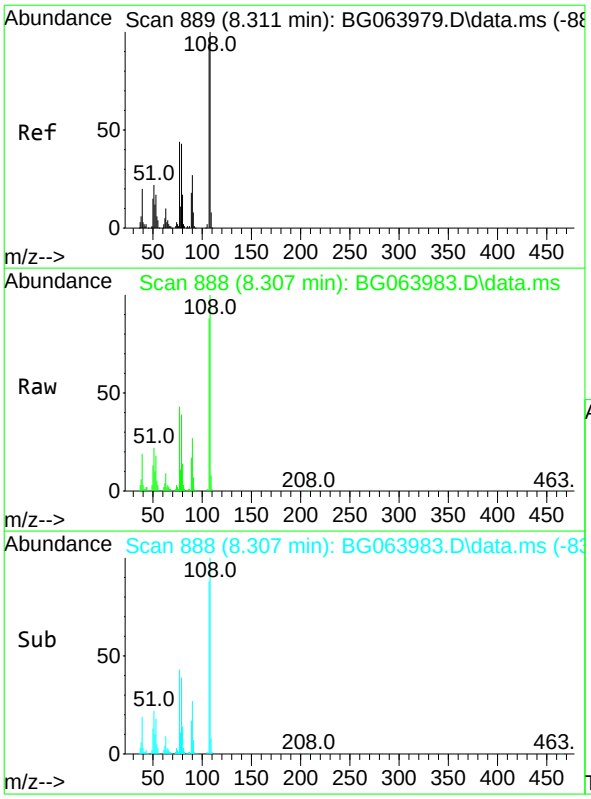


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.171 ng
RT: 8.407 min Scan# 905
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 45 Resp: 329368

Ion	Ratio	Lower	Upper
45	100		
77	9.6	0.0	29.8
79	7.1	0.0	27.7



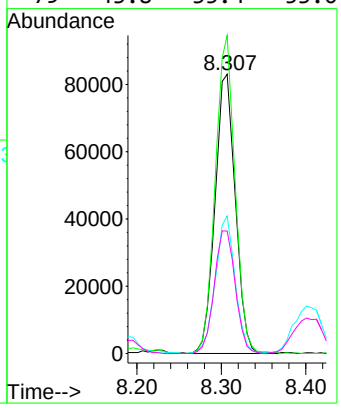


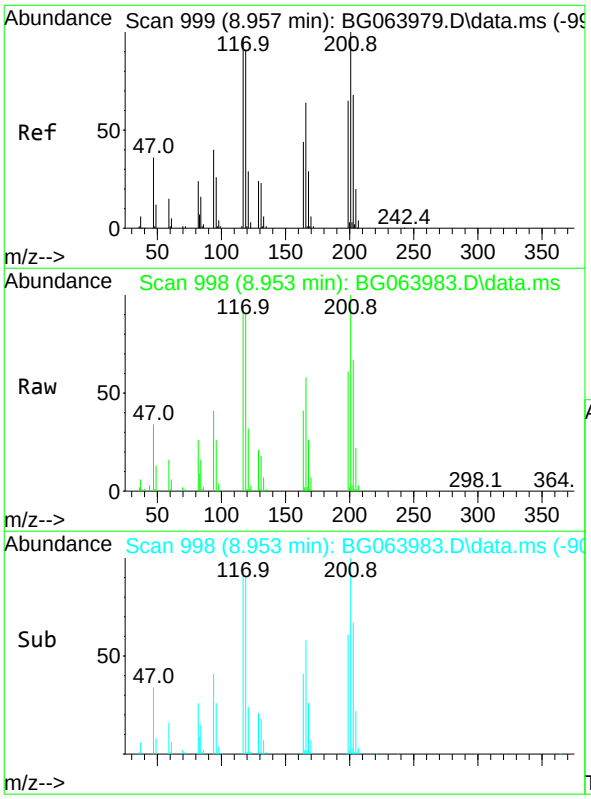
#17
2-Methylphenol
Concen: 41.505 ng
RT: 8.307 min Scan# 88
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:107 Resp: 139196

Ion	Ratio	Lower	Upper
107	100		
108	113.9	82.9	124.3
77	49.3	36.4	54.6
79	43.8	35.4	53.0

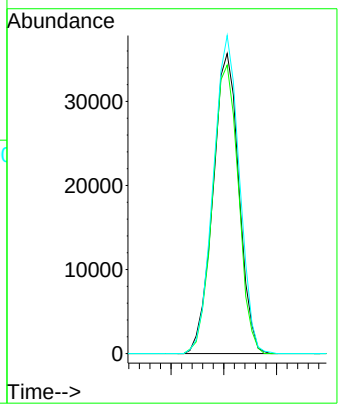


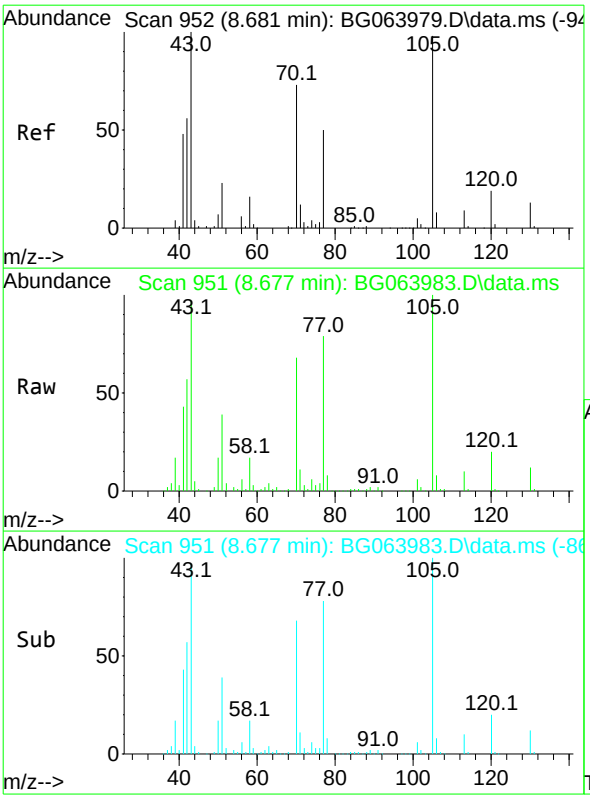


#18
Hexachloroethane
Concen: 42.225 ng
RT: 8.953 min Scan# 998
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:117 Resp: 61086

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.4	113.0
201	106.0	82.4	123.6



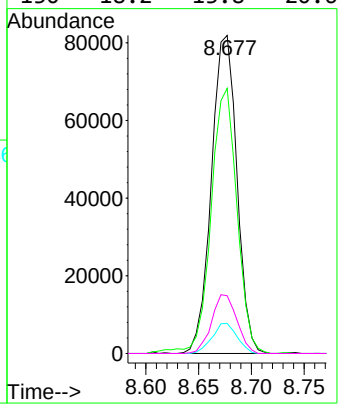


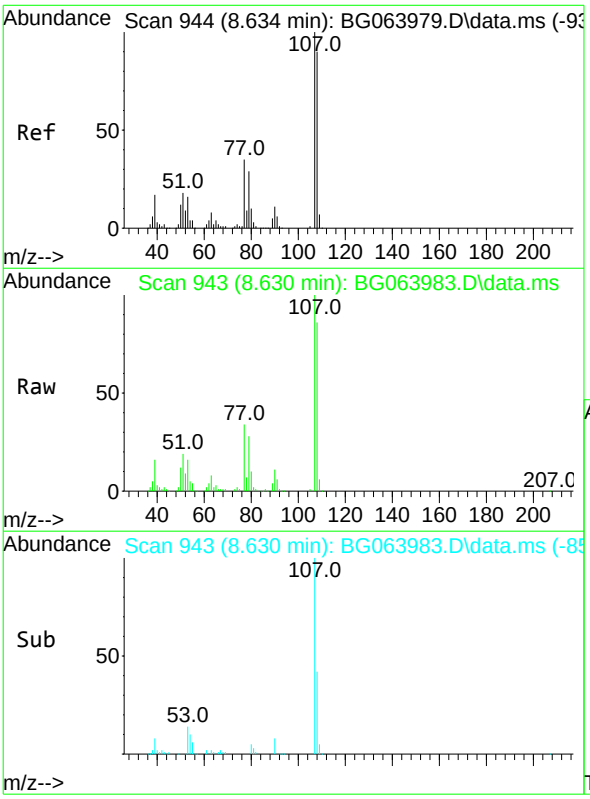
#19
n-Nitroso-di-n-propylamine
Concen: 40.479 ng
RT: 8.677 min Scan# 95
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 70 Resp: 138092

Ion	Ratio	Lower	Upper
70	100		
42	83.4	62.2	93.4
101	9.4	5.6	8.4#
130	18.2	13.8	20.6

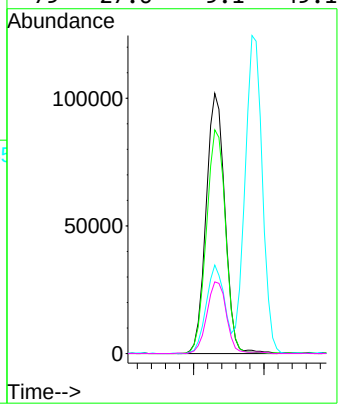


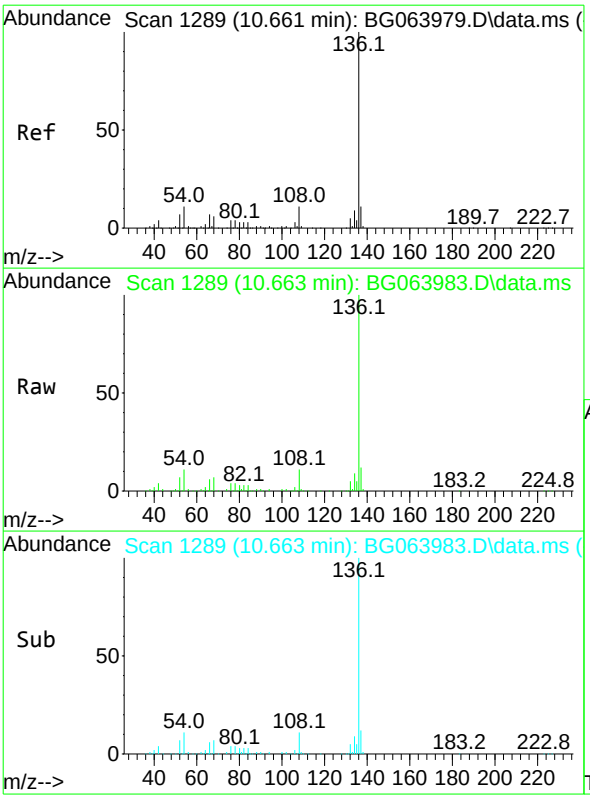


#20
3+4-Methylphenols
Concen: 42.374 ng
RT: 8.630 min Scan# 943
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:107 Resp: 189329

Ion	Ratio	Lower	Upper
107	100		
108	86.0	70.0	110.0
77	34.0	15.2	55.2
79	27.6	9.1	49.1



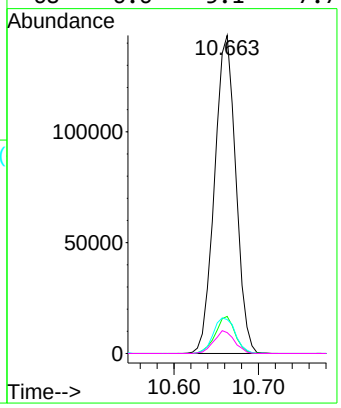


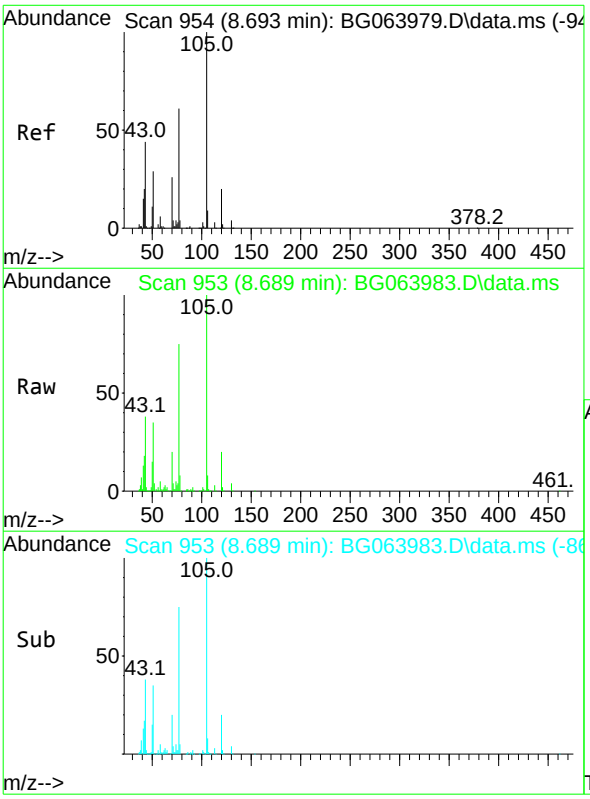
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 12
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:136 Resp: 250776

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	10.7	9.2	13.8
68	6.6	5.1	7.7

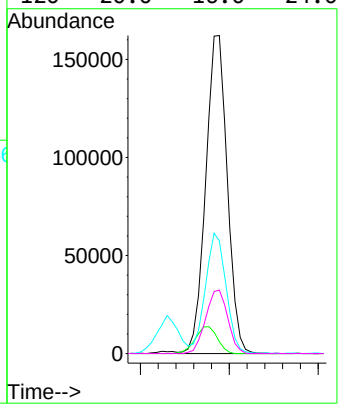


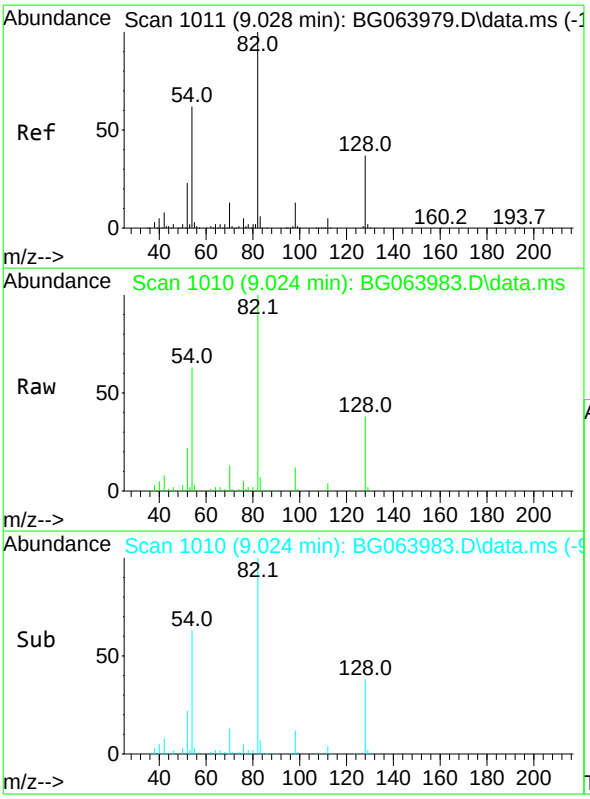


#22
Acetophenone
Concen: 39.753 ng
RT: 8.689 min Scan# 953
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:105 Resp: 273908

Ion	Ratio	Lower	Upper
105	100		
71	3.7	3.1	4.7
51	35.4	29.9	44.9
120	20.0	16.0	24.0



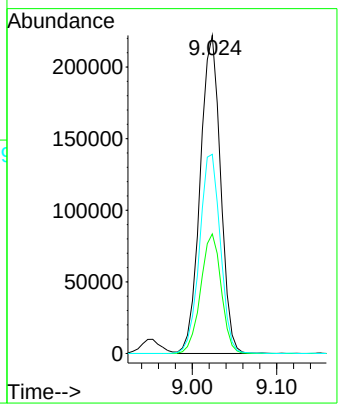


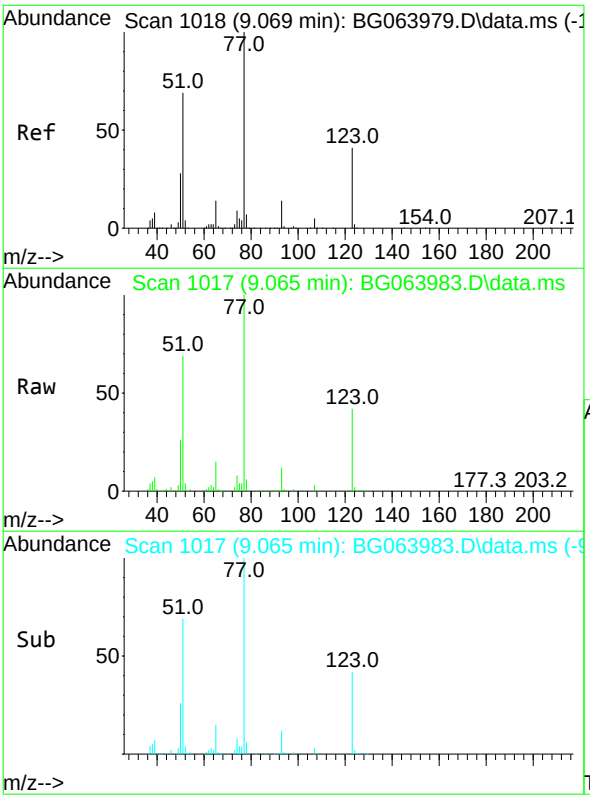
#23
Nitrobenzene-d5
Concen: 90.016 ng
RT: 9.024 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 82 Resp: 371433

Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.4	44.2
54	62.6	49.9	74.9

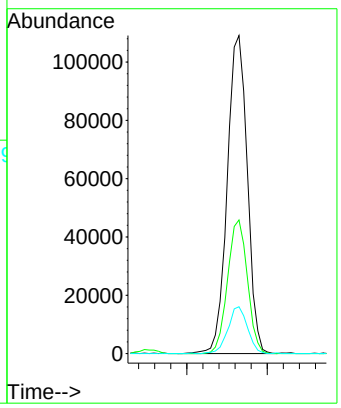


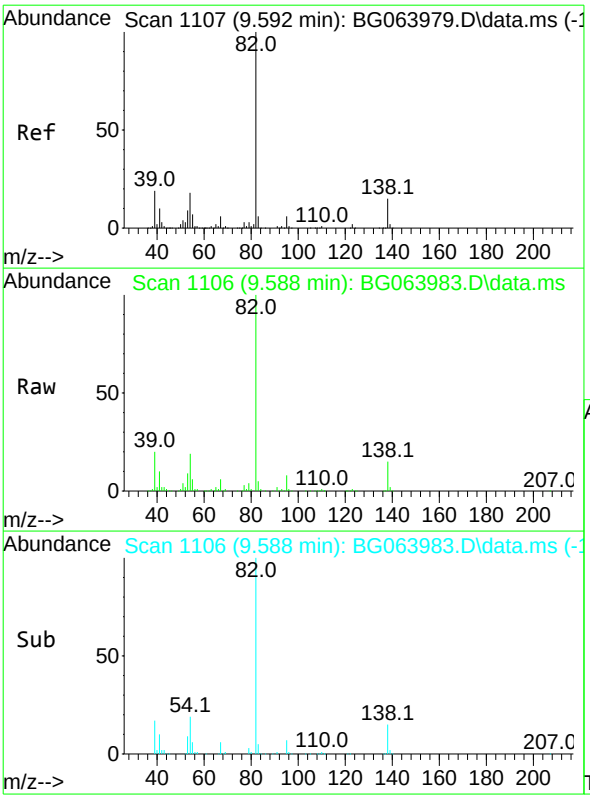


#24
Nitrobenzene
Concen: 40.346 ng
RT: 9.065 min Scan# 1017
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 77 Resp: 189280

Ion	Ratio	Lower	Upper
77	100		
123	42.0	32.9	49.3
65	14.7	11.0	16.6



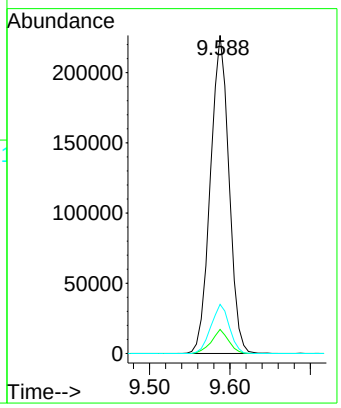


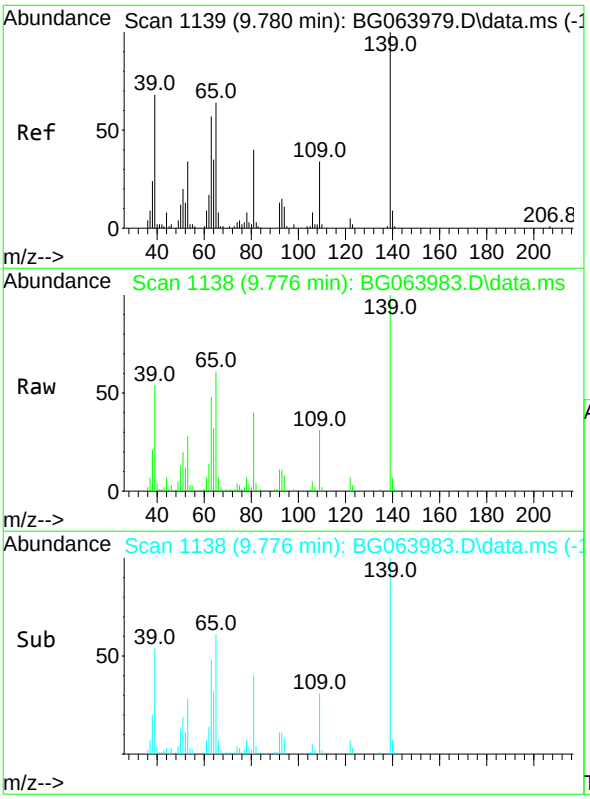
#25
Isophorone
Concen: 40.583 ng
RT: 9.588 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 82 Resp: 363011

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.0	7.4#
138	15.4	12.2	18.4

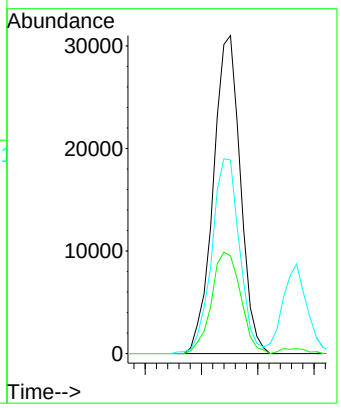


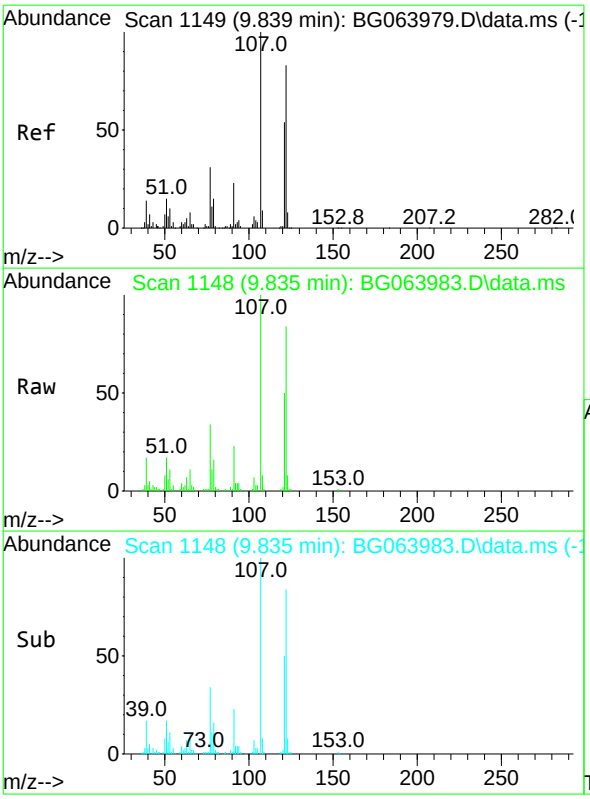


#26
2-Nitrophenol
Concen: 47.433 ng
RT: 9.776 min Scan# 1138
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:139 Resp: 51914

Ion	Ratio	Lower	Upper
139	100		
109	30.8	27.1	40.7
65	60.9	51.0	76.6



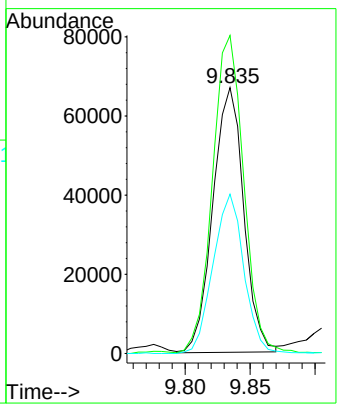


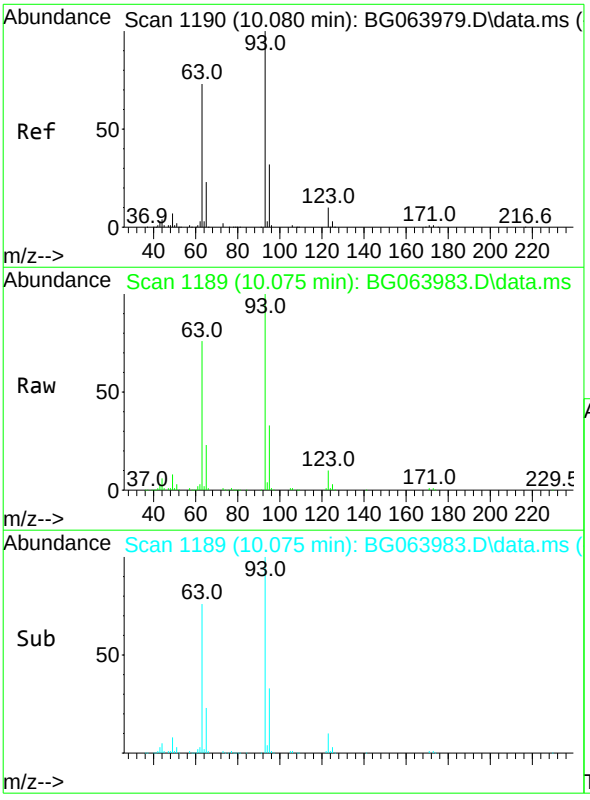
#27
2,4-Dimethylphenol
Concen: 42.963 ng
RT: 9.835 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:122 Resp: 110547

Ion	Ratio	Lower	Upper
122	100		
107	119.6	96.4	144.6
121	59.9	51.8	77.6

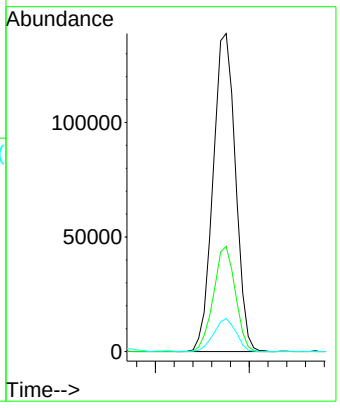


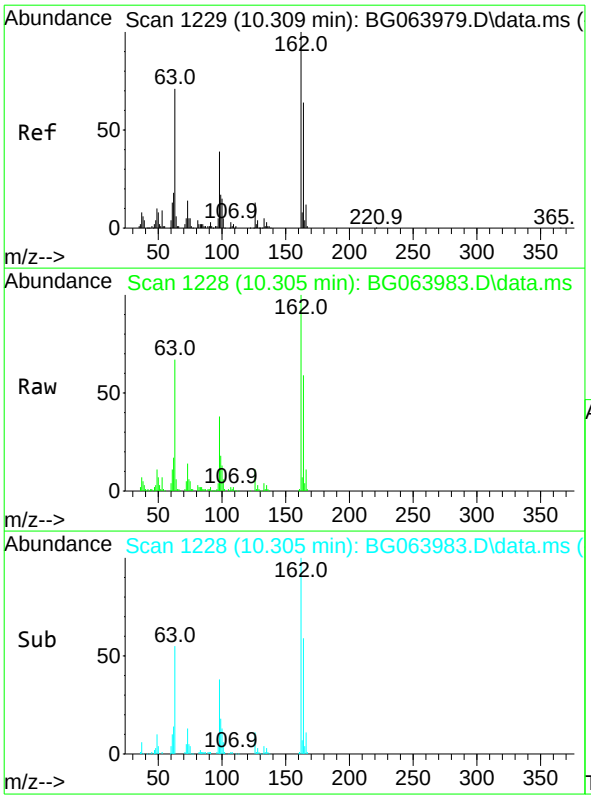


#28
bis(2-Chloroethoxy)methane
Concen: 40.478 ng
RT: 10.075 min Scan# 1189
Delta R.T. -0.005 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 93 Resp: 230391

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.2
123	10.4	7.8	11.6



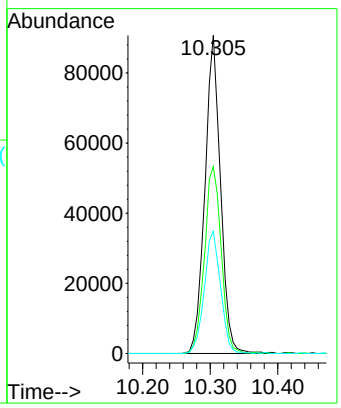


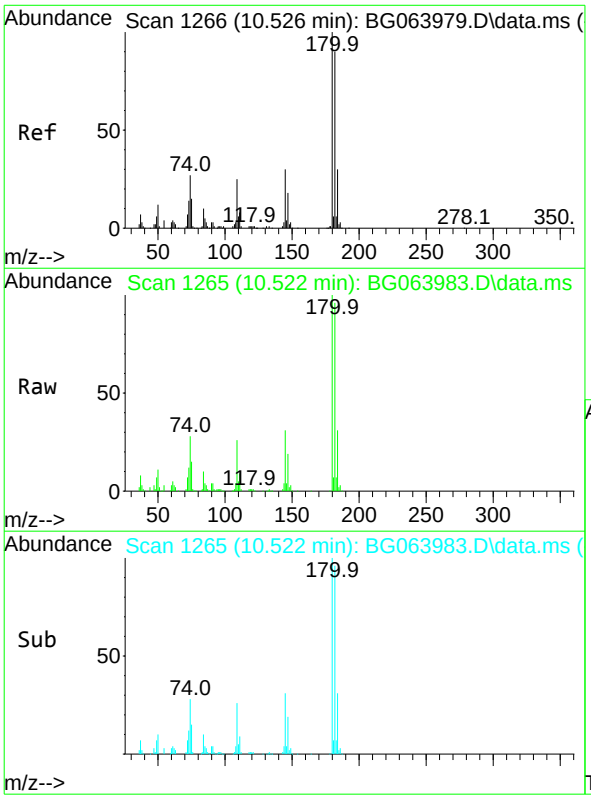
#29
2,4-Dichlorophenol
Concen: 41.051 ng
RT: 10.305 min Scan# 12
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:162 Resp: 145586

Ion	Ratio	Lower	Upper
162	100		
164	58.8	43.6	83.6
98	38.4	18.6	58.6

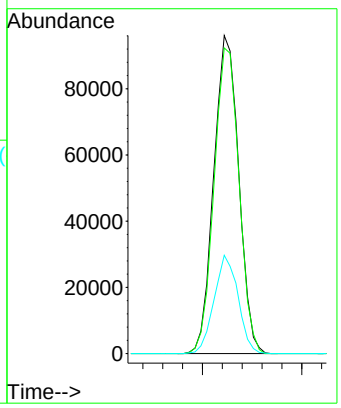


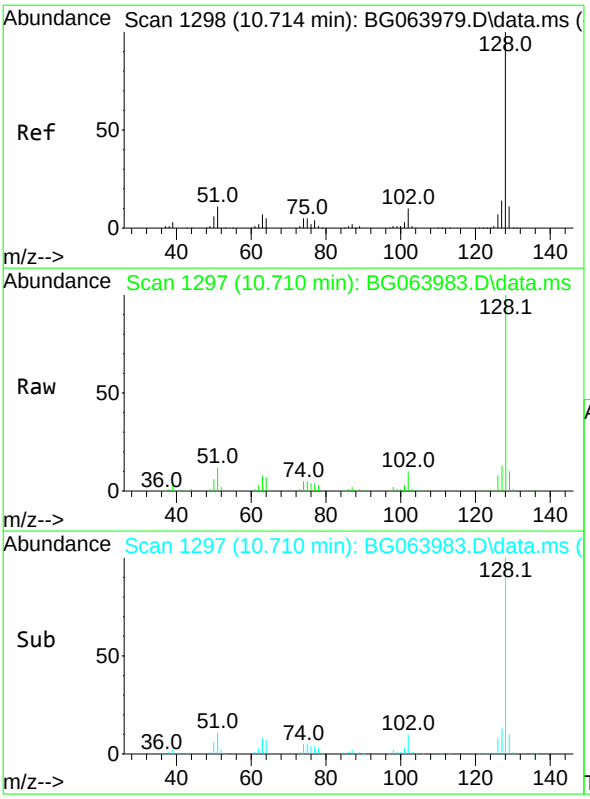


#30
1,2,4-Trichlorobenzene
Concen: 39.645 ng
RT: 10.522 min Scan# 1265
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:180 Resp: 167591

Ion	Ratio	Lower	Upper
180	100		
182	96.1	72.3	108.5
145	30.9	23.8	35.8



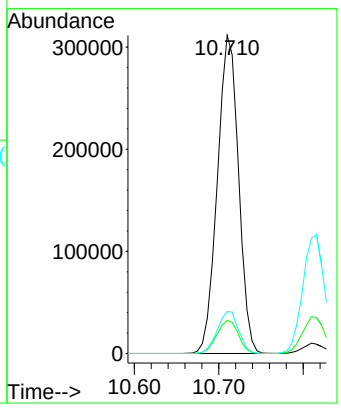


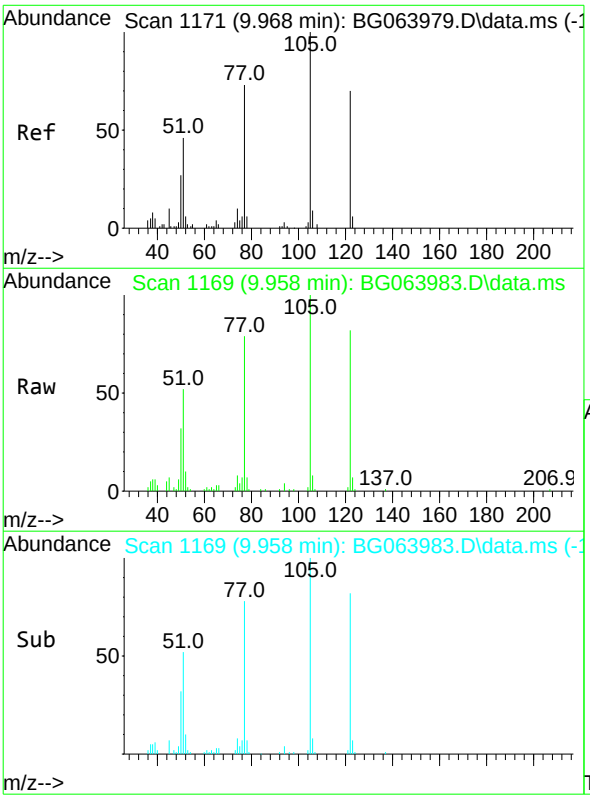
#31
Naphthalene
Concen: 40.345 ng
RT: 10.710 min Scan# 12
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:128 Resp: 542435

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	13.2	10.8	16.2

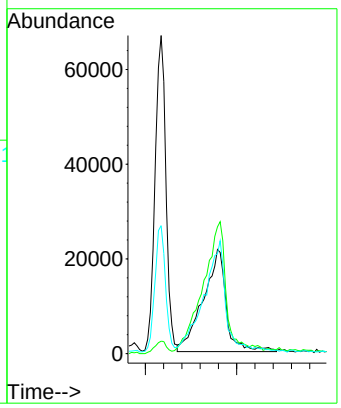


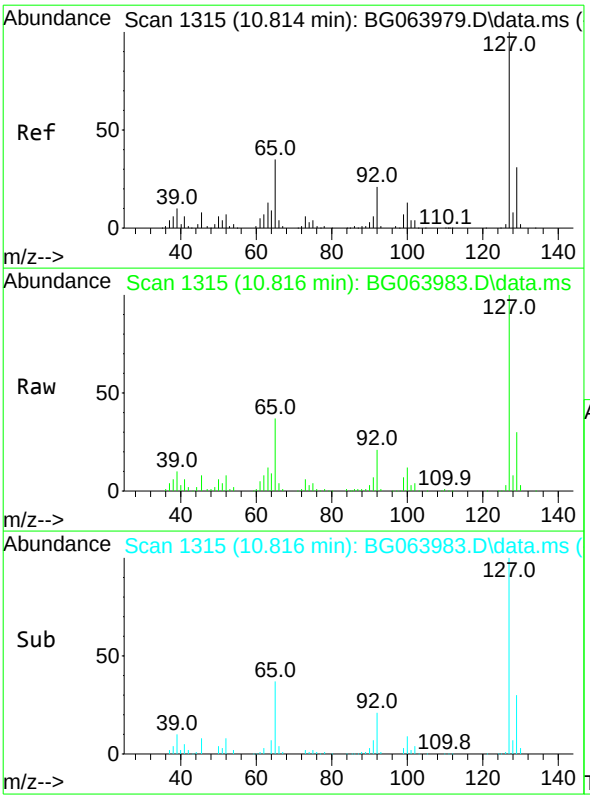


#32
Benzoic acid
Concen: 45.836 ng m
RT: 9.958 min Scan# 1169
Delta R.T. -0.010 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:122 Resp: 76026

Ion	Ratio	Lower	Upper
122	100		
105	121.7	117.9	157.9
77	96.0	83.9	123.9



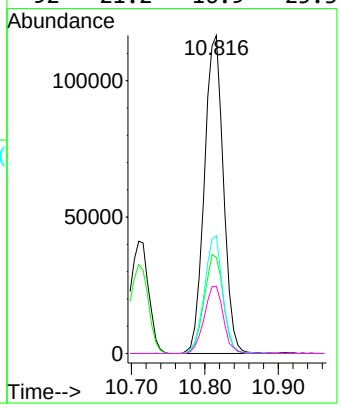


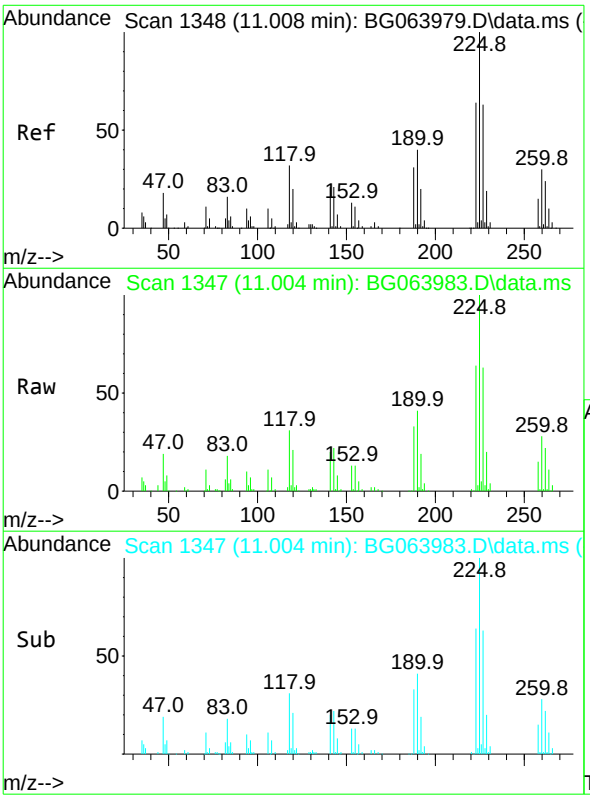
#33
4-Chloroaniline
Concen: 40.771 ng
RT: 10.816 min Scan# 13
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:127 Resp: 210025

Ion	Ratio	Lower	Upper
127	100		
129	30.2	24.9	37.3
65	37.0	28.2	42.4
92	21.2	16.9	25.3

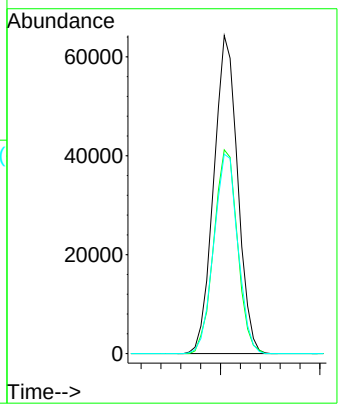


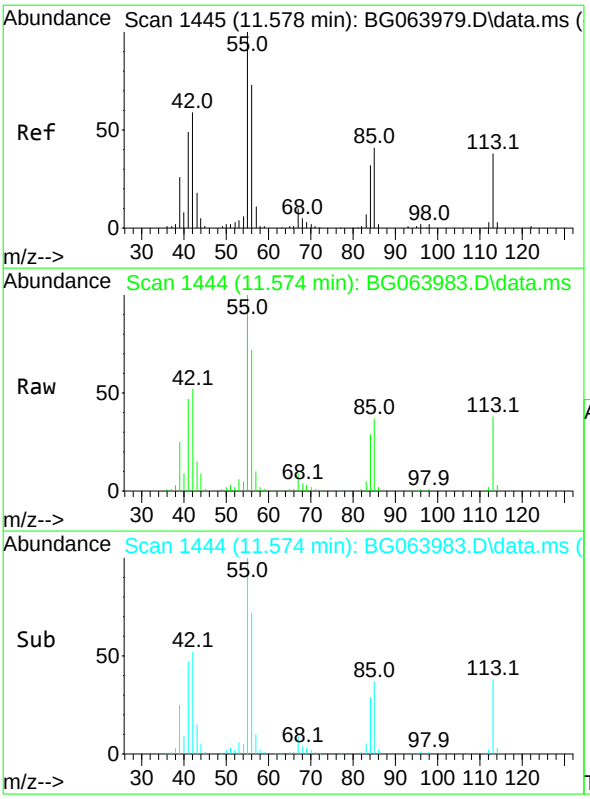


#34
Hexachlorobutadiene
Concen: 39.935 ng
RT: 11.004 min Scan# 1347
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:225 Resp: 107507

Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	62.7	50.3	75.5



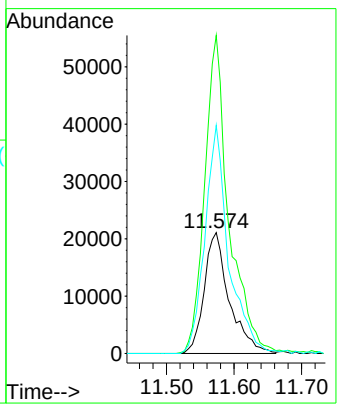


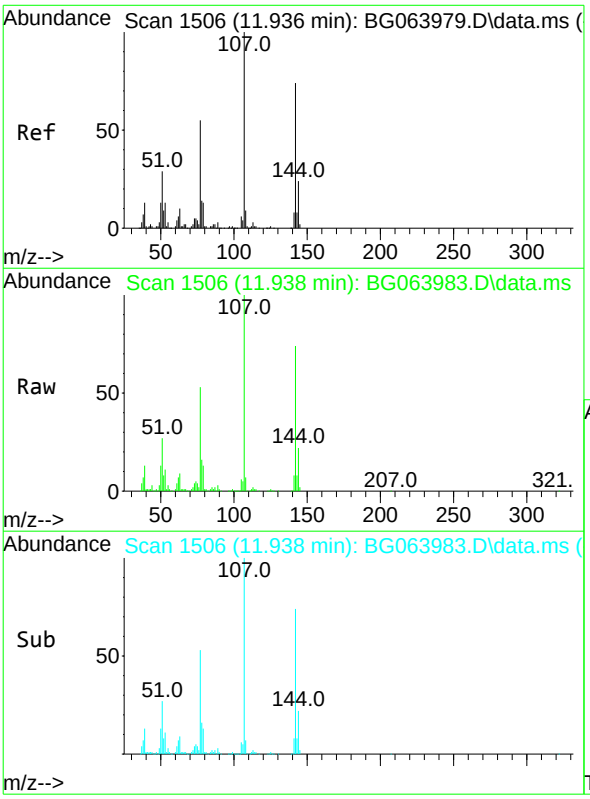
#35
Caprolactam
Concen: 42.136 ng
RT: 11.574 min Scan# 14
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:113 Resp: 54489

Ion	Ratio	Lower	Upper
113	100		
55	263.1	241.8	281.8
56	188.7	171.5	211.5

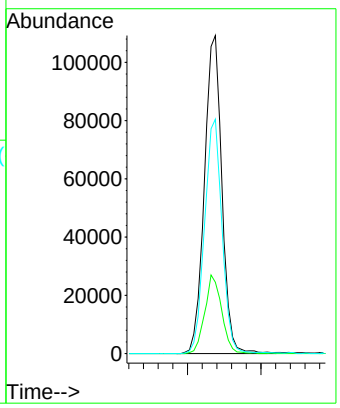


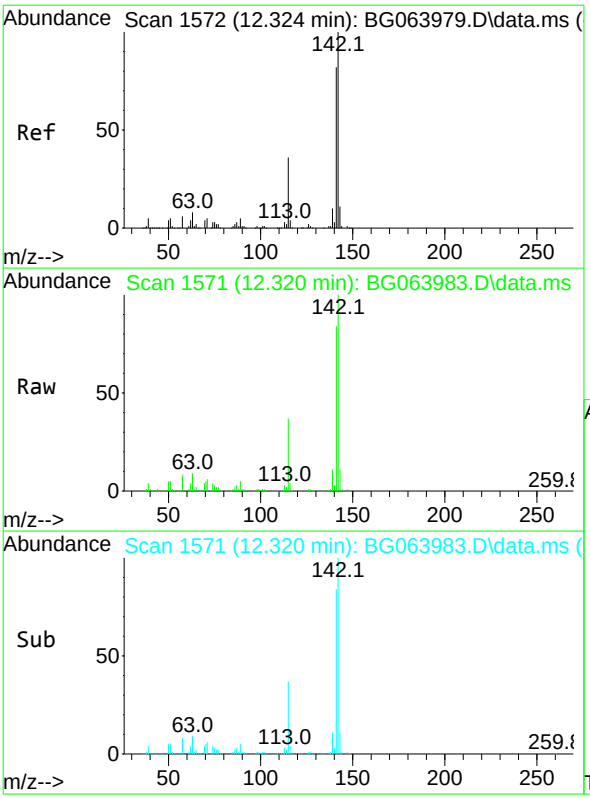


#36
4-Chloro-3-methylphenol
Concen: 43.869 ng
RT: 11.938 min Scan# 1506
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:107 Resp: 180676

Ion	Ratio	Lower	Upper
107	100		
144	22.4	19.2	28.8
142	73.7	58.9	88.3



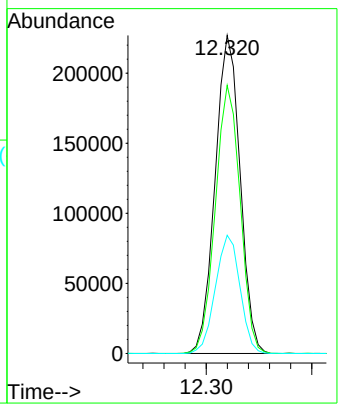


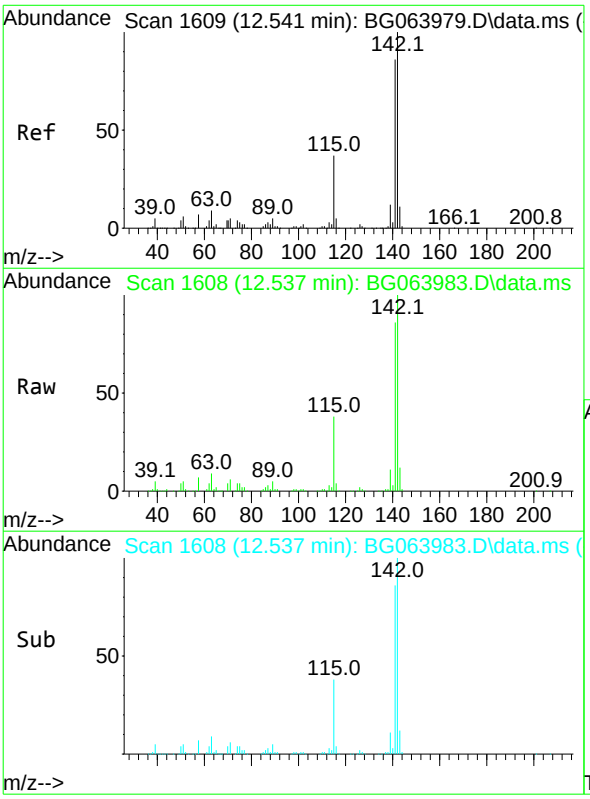
#37
2-Methylnaphthalene
Concen: 39.879 ng
RT: 12.320 min Scan# 15
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:142 Resp: 373633

Ion	Ratio	Lower	Upper
142	100		
141	84.3	65.8	98.8
115	37.2	28.9	43.3

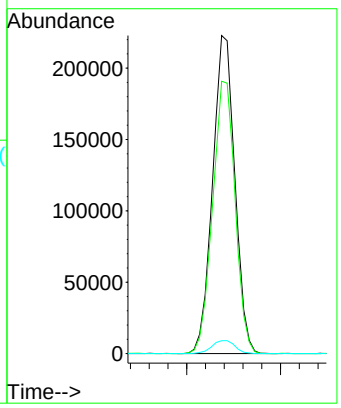


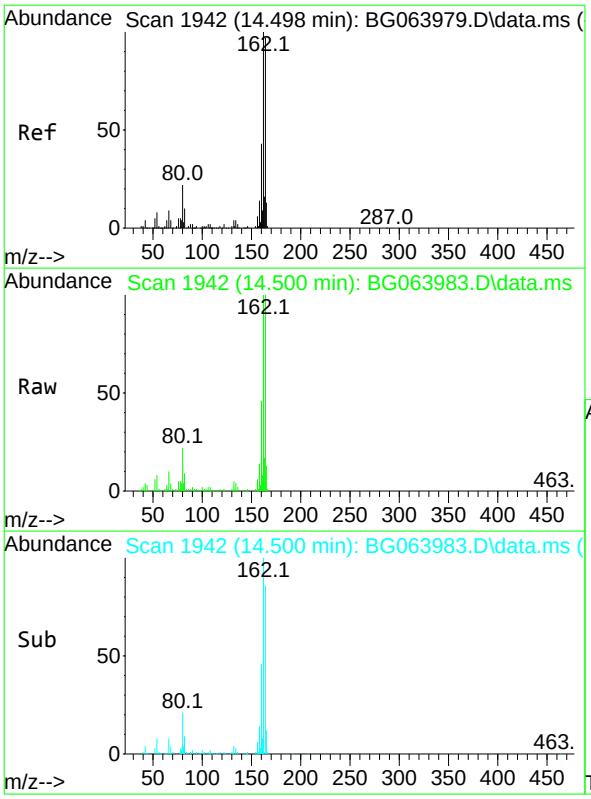


#38
1-Methylnaphthalene
Concen: 39.490 ng
RT: 12.537 min Scan# 1608
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:142 Resp: 366093

Ion	Ratio	Lower	Upper
142	100		
141	85.6	69.2	103.8
116	4.0	3.6	5.4



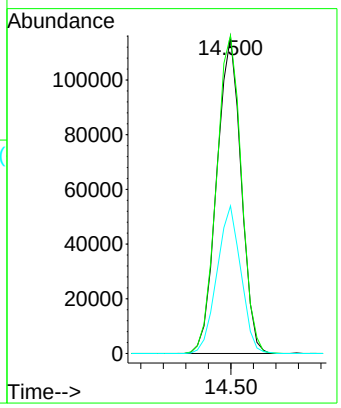


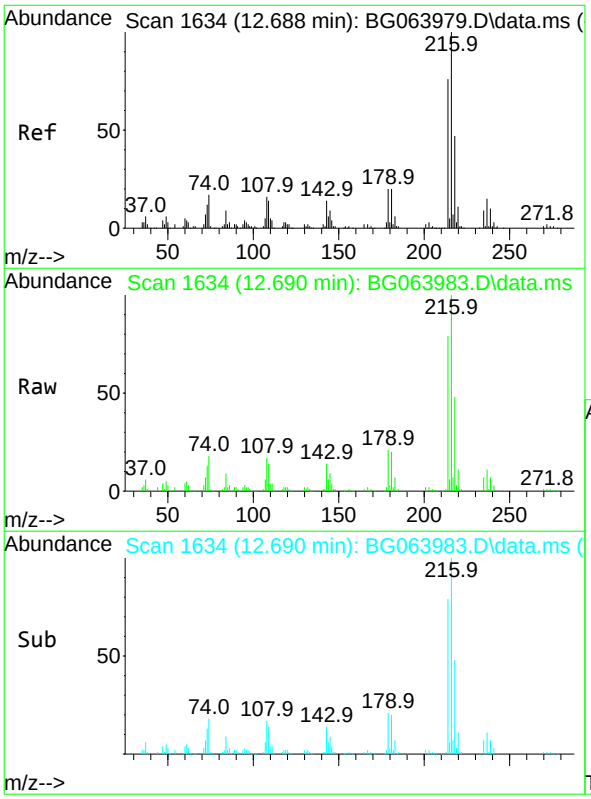
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.500 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:164 Resp: 173240

Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.3	123.5
160	46.6	35.4	53.0

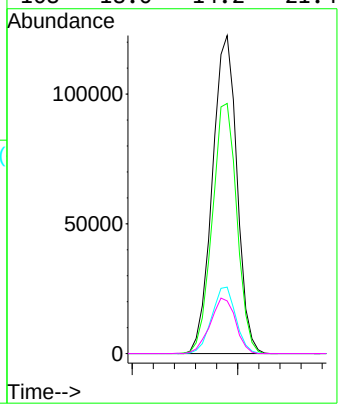


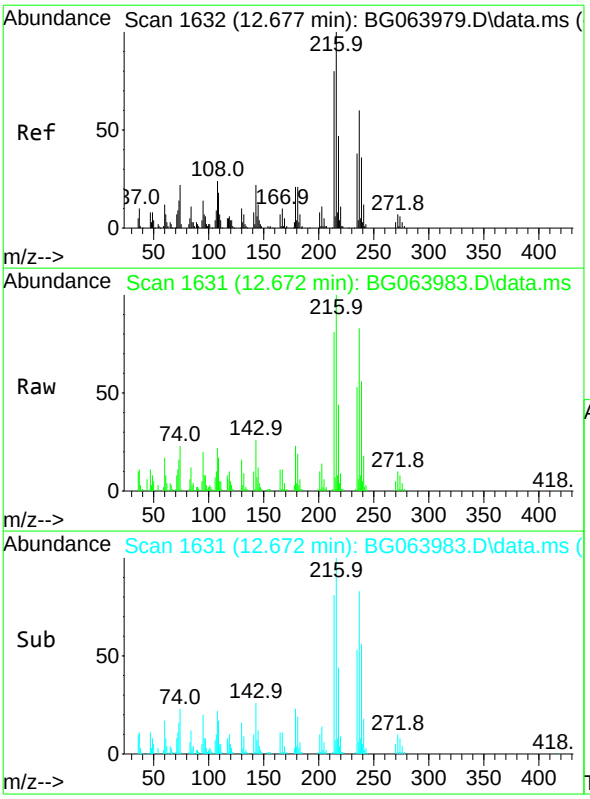


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.841 ng
RT: 12.690 min Scan# 1634
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:216 Resp: 198430

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.9	94.3
179	20.5	16.6	25.0
108	18.0	14.2	21.4



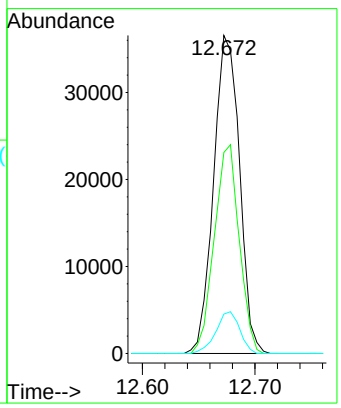


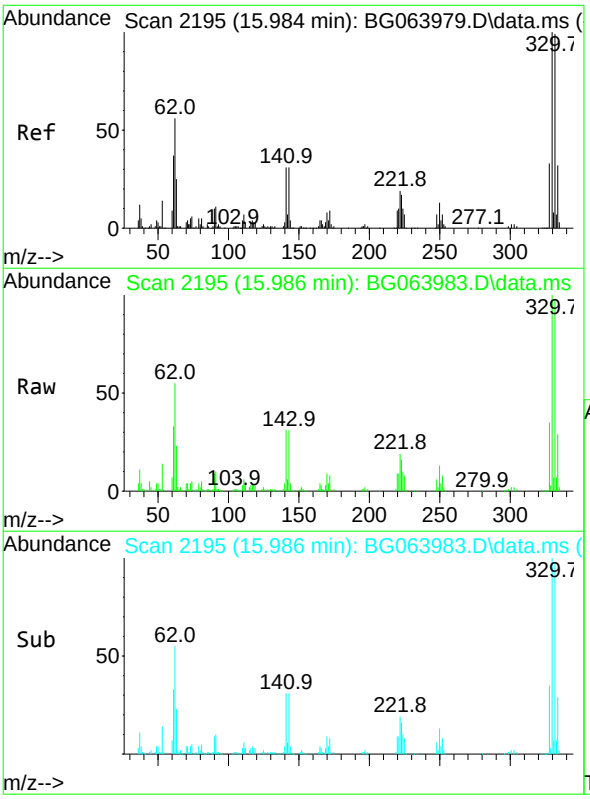
#41
Hexachlorocyclopentadiene
Concen: 45.188 ng
RT: 12.672 min Scan# 16
Delta R.T. -0.005 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:237 Resp: 58427

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.8	83.8
272	12.4	0.0	32.3

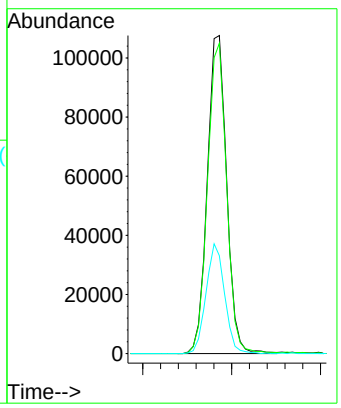


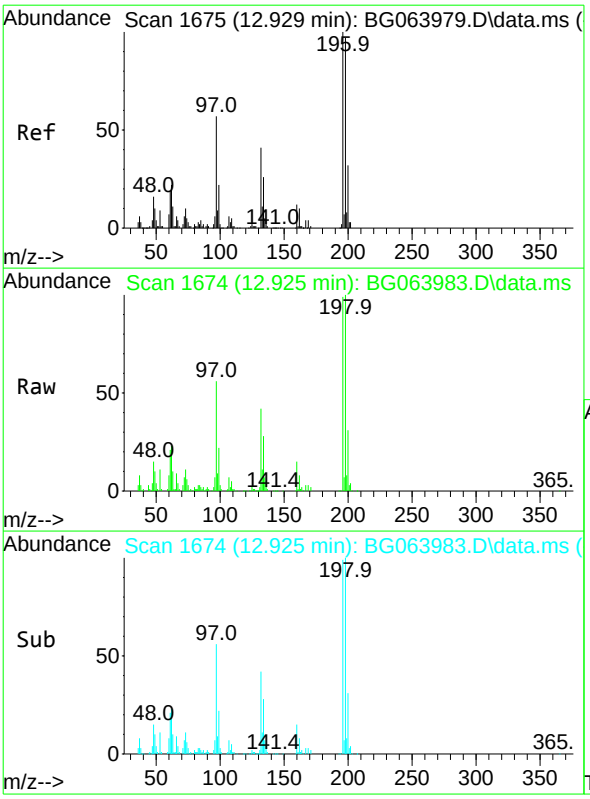


#42
2,4,6-Tribromophenol
Concen: 87.013 ng
RT: 15.986 min Scan# 2195
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:330 Resp: 162679

Ion	Ratio	Lower	Upper
330	100		
332	96.2	79.0	118.6
141	33.2	27.2	40.8



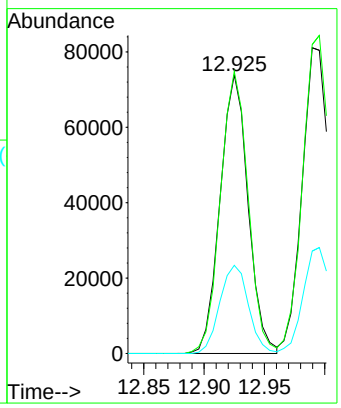


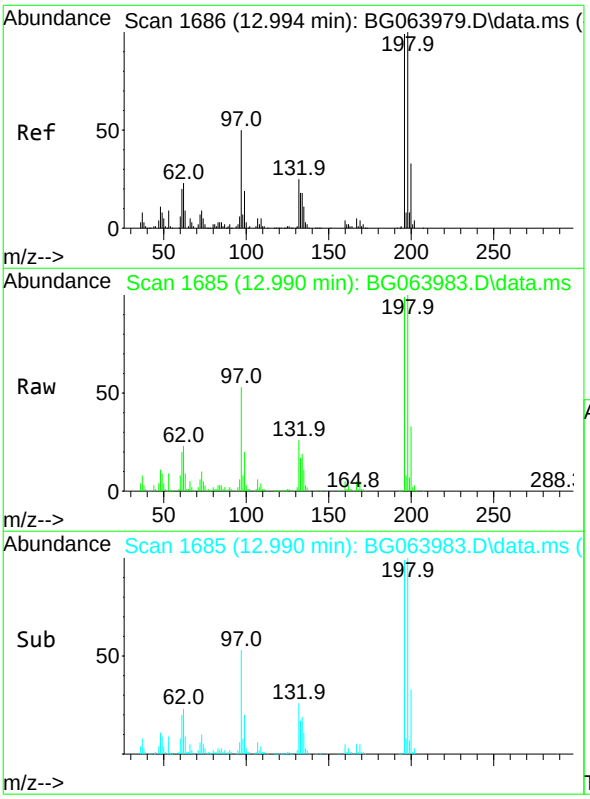
#43
2,4,6-Trichlorophenol
Concen: 40.514 ng
RT: 12.925 min Scan# 16
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:196 Resp: 119118

Ion	Ratio	Lower	Upper
196	100		
198	101.3	77.9	116.9
200	31.7	25.5	38.3

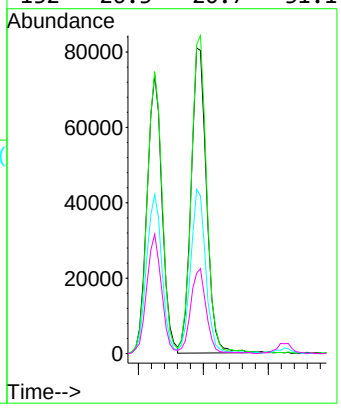


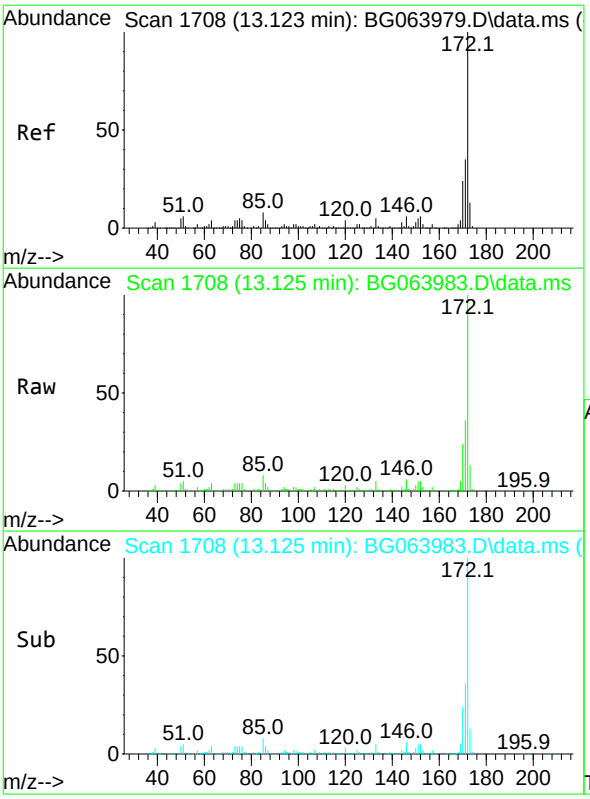


#44
2,4,5-Trichlorophenol
Concen: 40.400 ng
RT: 12.990 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:196 Resp: 134165

Ion	Ratio	Lower	Upper
196	100		
198	101.1	81.1	121.7
97	53.7	41.2	61.8
132	26.3	20.7	31.1



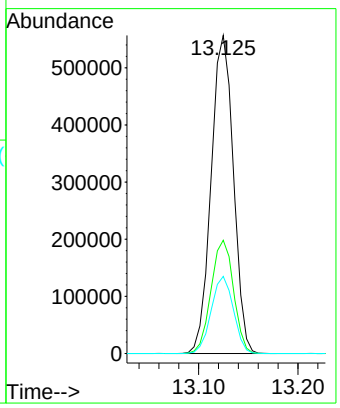


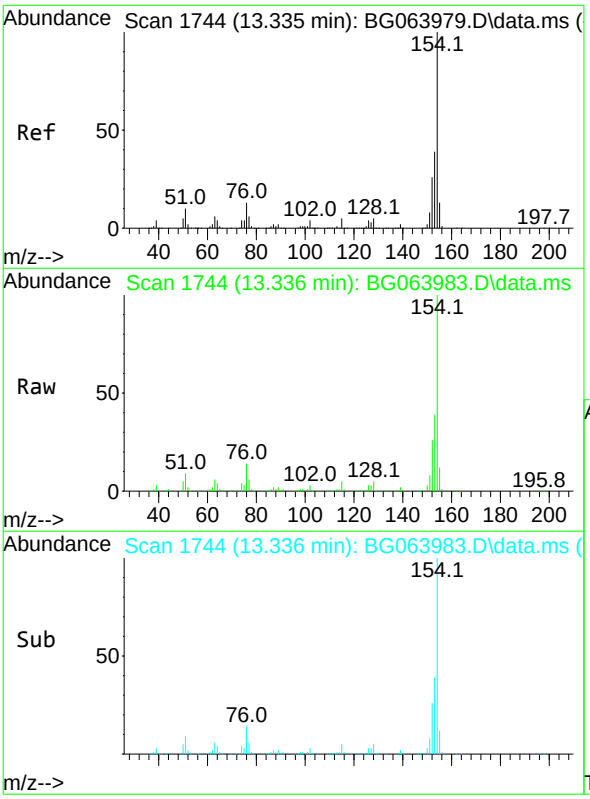
#45
2-Fluorobiphenyl
Concen: 76.765 ng
RT: 13.125 min Scan# 17
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:172 Resp: 867989

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	24.2	19.4	29.2

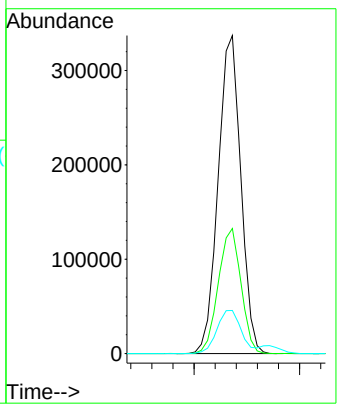


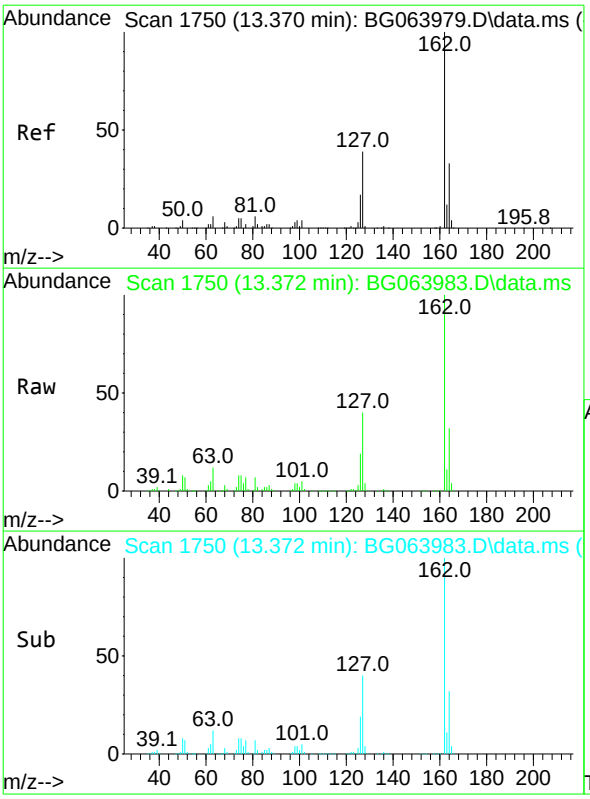


#46
1,1'-Biphenyl
Concen: 38.170 ng
RT: 13.336 min Scan# 1744
Delta R.T. 0.001 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:154 Resp: 503460

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	13.6	0.0	33.3



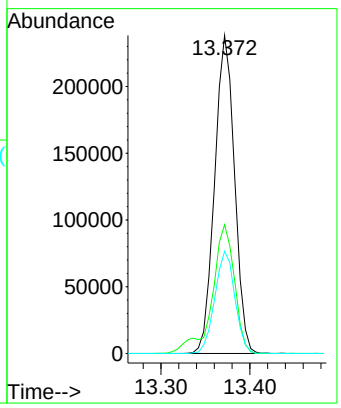


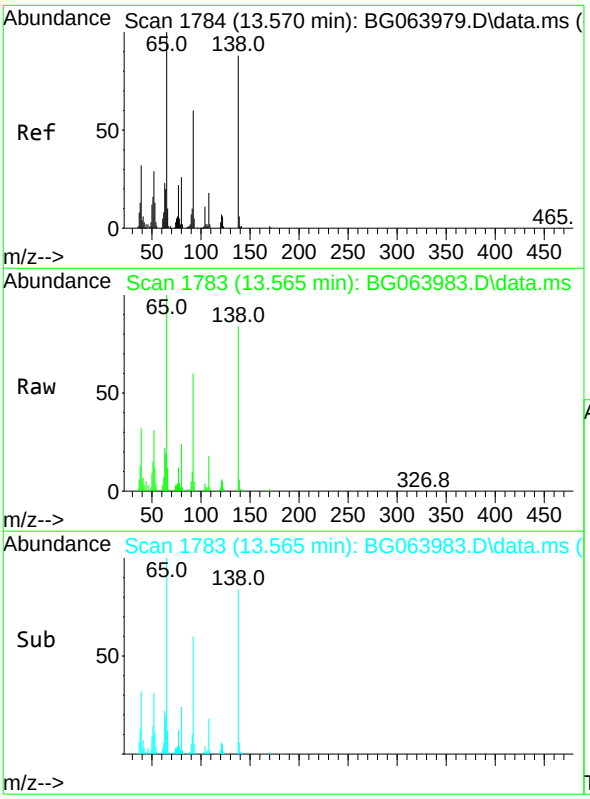
#47
2-Chloronaphthalene
Concen: 38.515 ng
RT: 13.372 min Scan# 17
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:162 Resp: 370275

Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.1	26.0	39.0

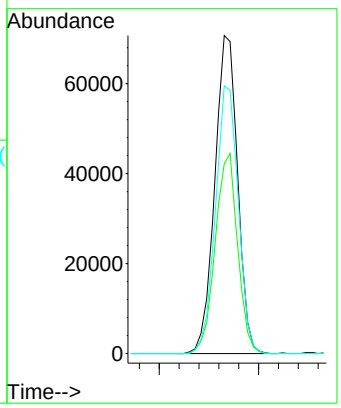


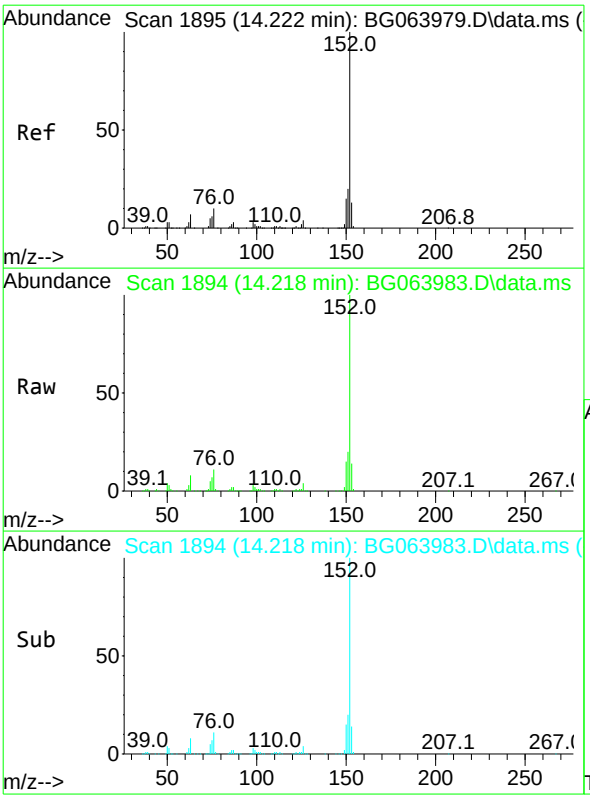


#48
2-Nitroaniline
Concen: 44.383 ng
RT: 13.565 min Scan# 1783
Delta R.T. -0.005 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion: 65 Resp: 112776

Ion	Ratio	Lower	Upper
65	100		
92	59.7	47.6	71.4
138	84.2	70.6	106.0



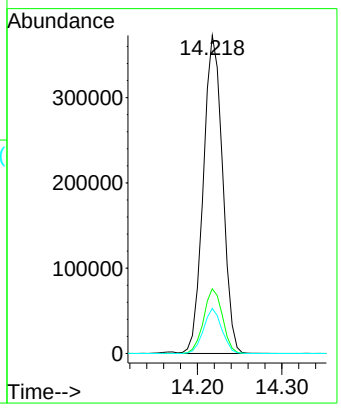


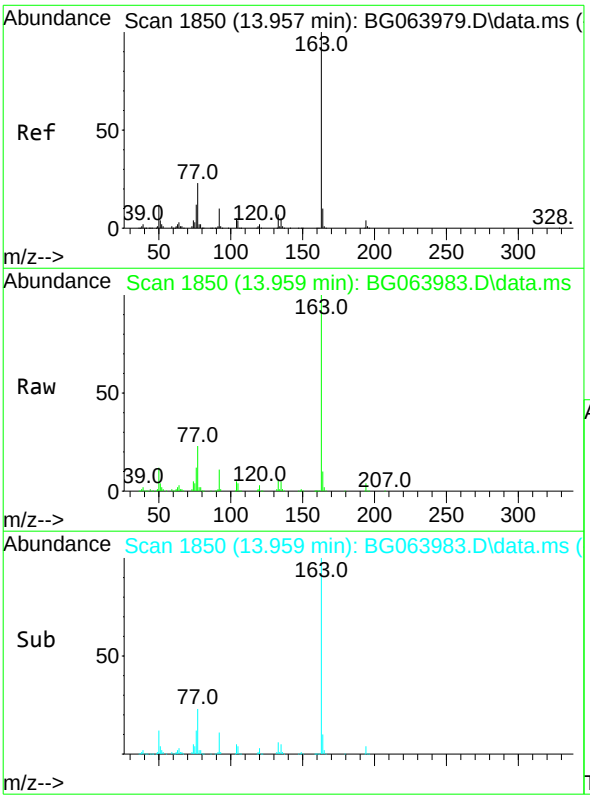
#49
Acenaphthylene
Concen: 39.437 ng
RT: 14.218 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:152 Resp: 588896

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	14.2	10.3	15.5

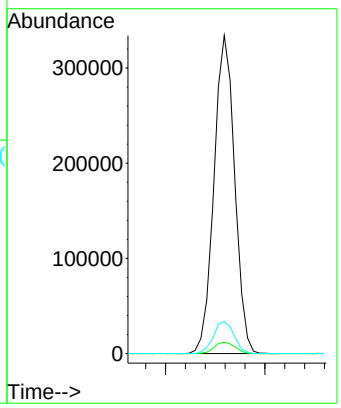


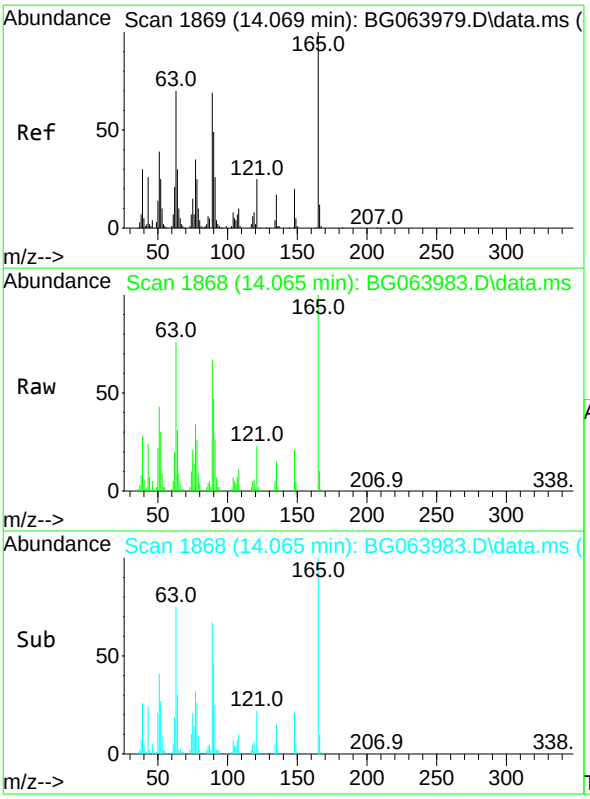


#50
Dimethylphthalate
Concen: 42.101 ng
RT: 13.959 min Scan# 1850
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:163 Resp: 483597

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.1	8.0	12.0



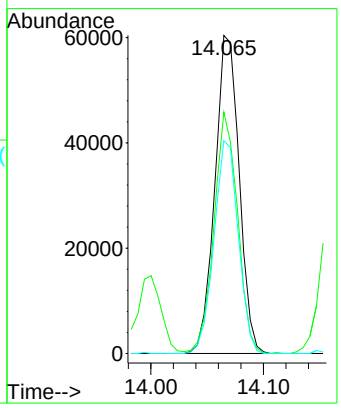


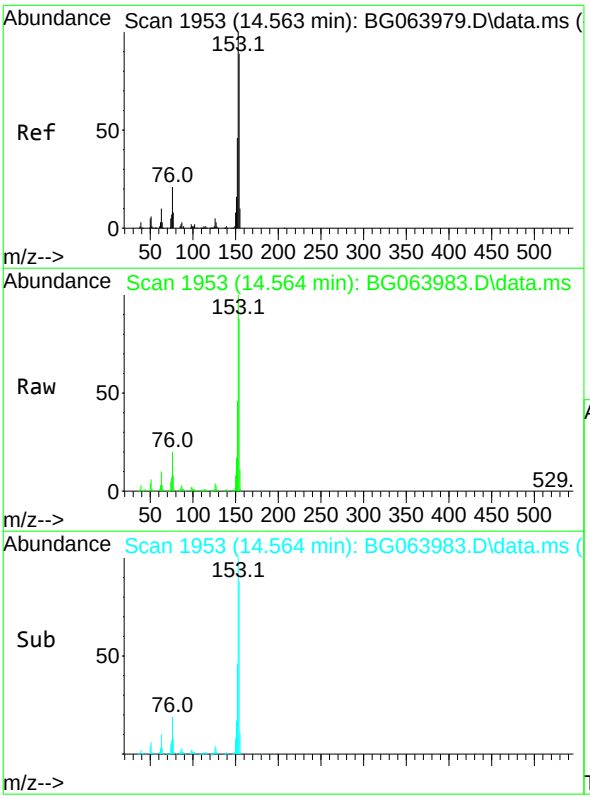
#51
2,6-Dinitrotoluene
Concen: 42.654 ng
RT: 14.065 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:165 Resp: 90487

Ion	Ratio	Lower	Upper
165	100		
63	75.9	57.7	86.5
89	66.9	55.6	83.4

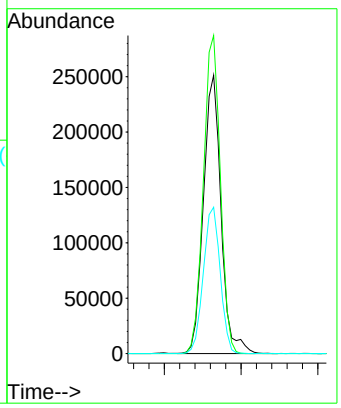


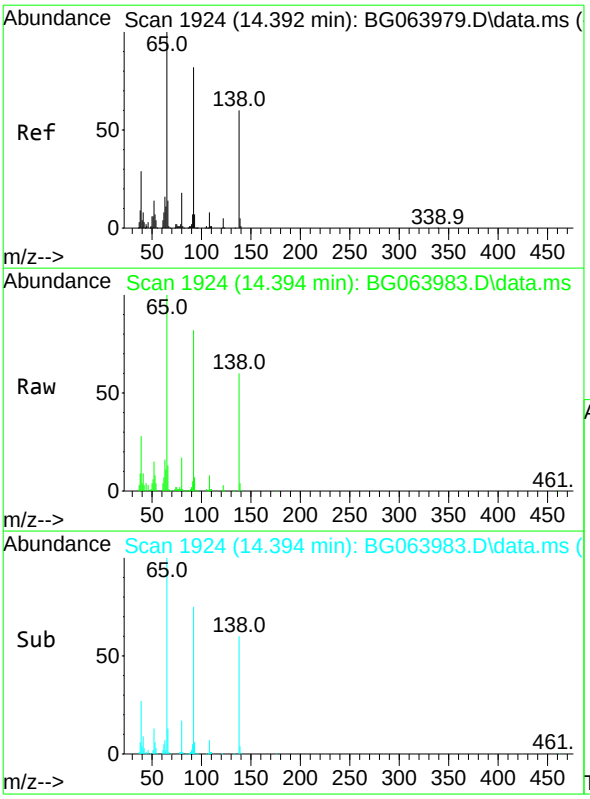


#52
Acenaphthene
Concen: 39.995 ng
RT: 14.564 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:154 Resp: 400608

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.2	135.2
152	52.6	41.1	61.7



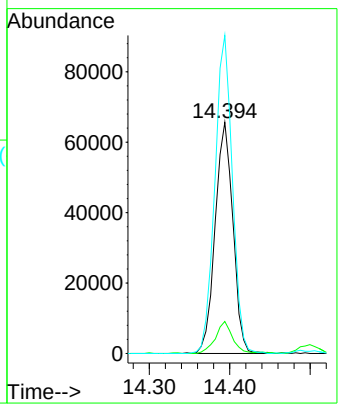


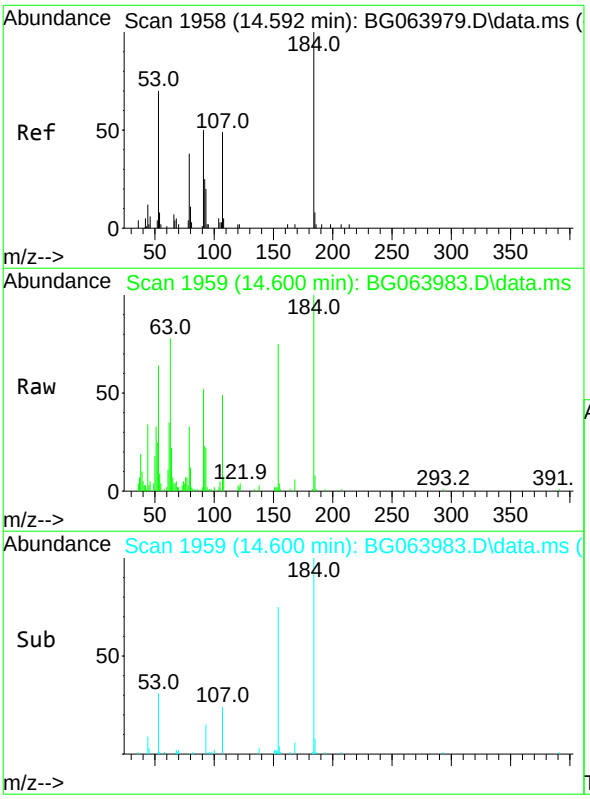
#53
3-Nitroaniline
Concen: 40.569 ng
RT: 14.394 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:138 Resp: 100935

Ion	Ratio	Lower	Upper
138	100		
108	13.8	10.3	15.5
92	137.6	109.0	163.4

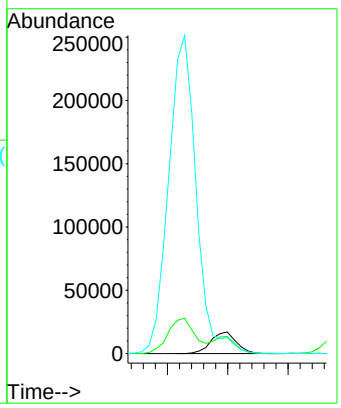


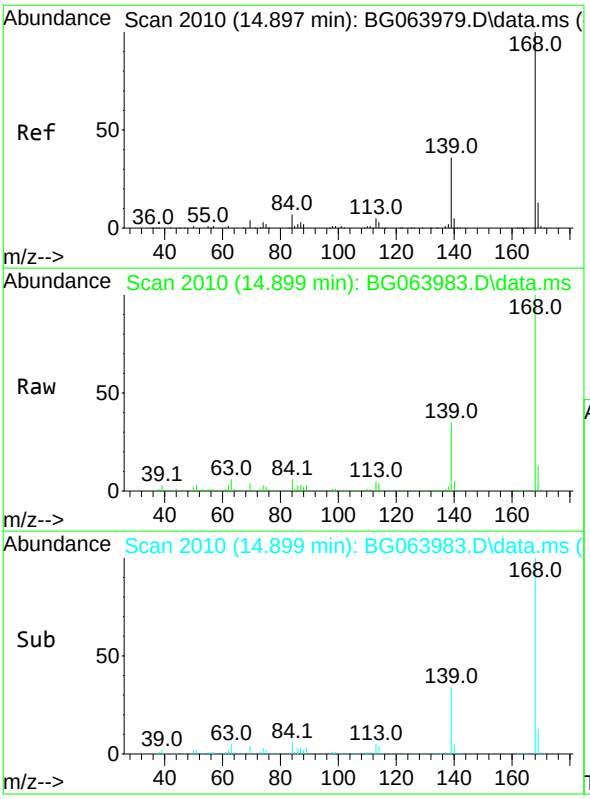


#54
2,4-Dinitrophenol
Concen: 47.424 ng
RT: 14.600 min Scan# 1959
Delta R.T. 0.008 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:184 Resp: 25013

Ion	Ratio	Lower	Upper
184	100		
63	78.3	67.3	100.9
154	74.8	65.9	98.9



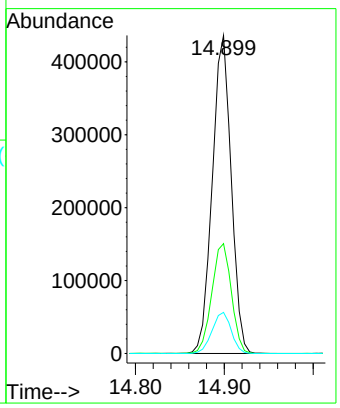


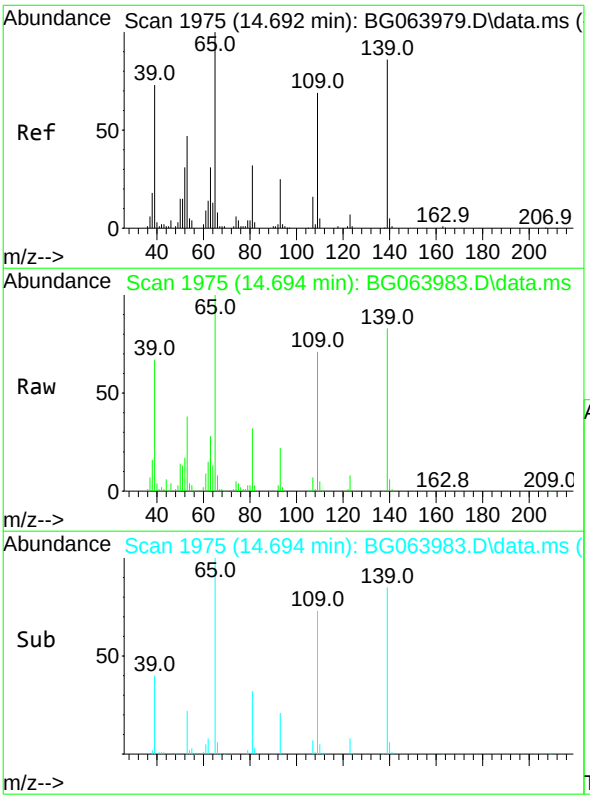
#55
Dibenzofuran
Concen: 39.604 ng
RT: 14.899 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:168 Resp: 644130

Ion	Ratio	Lower	Upper
168	100		
139	34.5	28.6	43.0
169	12.9	10.6	16.0

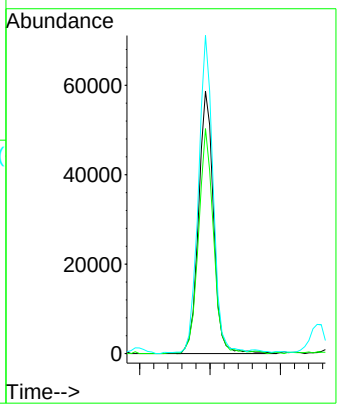


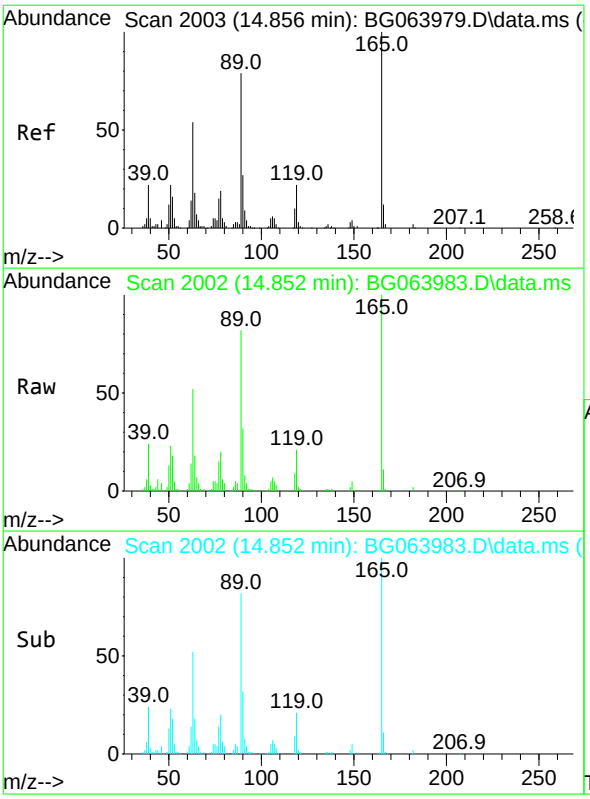


#56
4-Nitrophenol
Concen: 43.406 ng
RT: 14.694 min Scan# 1975
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:139 Resp: 86853

Ion	Ratio	Lower	Upper
139	100		
109	85.7	60.1	100.1
65	121.2	96.2	136.2



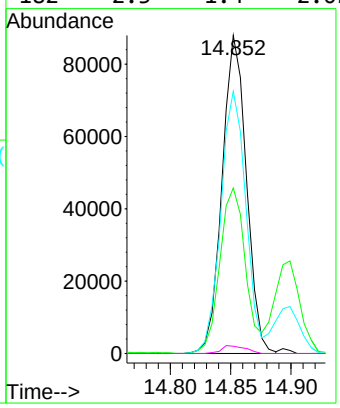


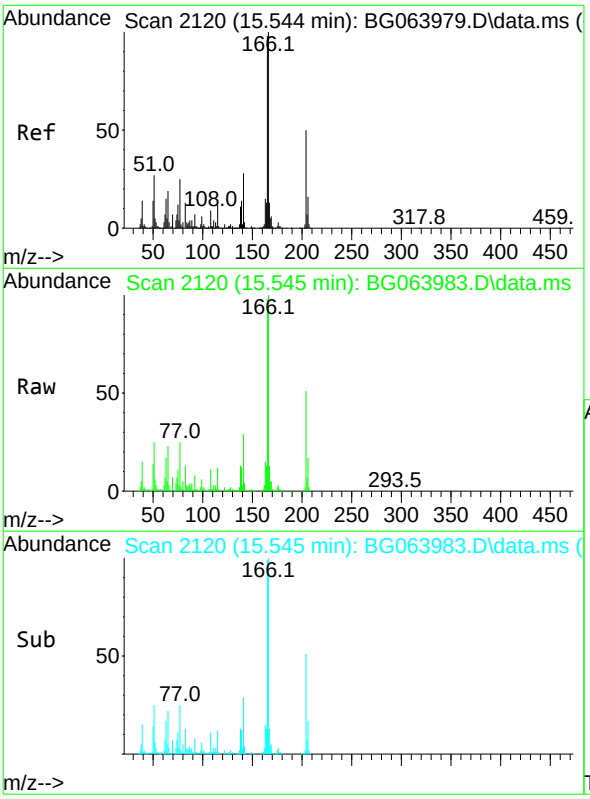
#57
2,4-Dinitrotoluene
Concen: 44.184 ng
RT: 14.852 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:165 Resp: 122954

Ion	Ratio	Lower	Upper
165	100		
63	52.0	43.6	65.4
89	82.4	63.1	94.7
182	2.3	1.4	2.0#

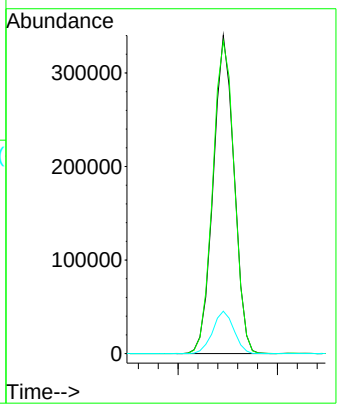


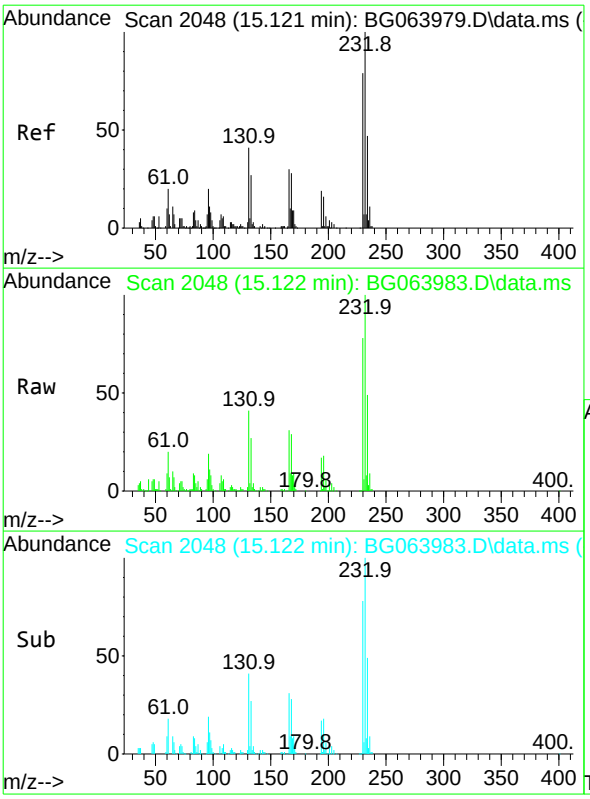


#58
Fluorene
Concen: 39.521 ng
RT: 15.545 min Scan# 2120
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:166 Resp: 496813

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.7	118.1
167	13.3	10.1	15.1



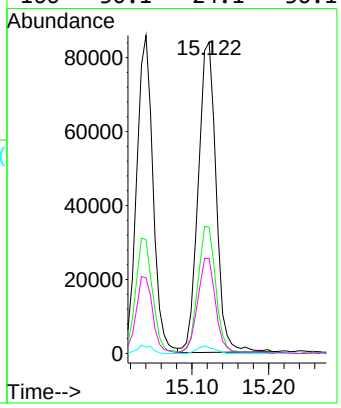


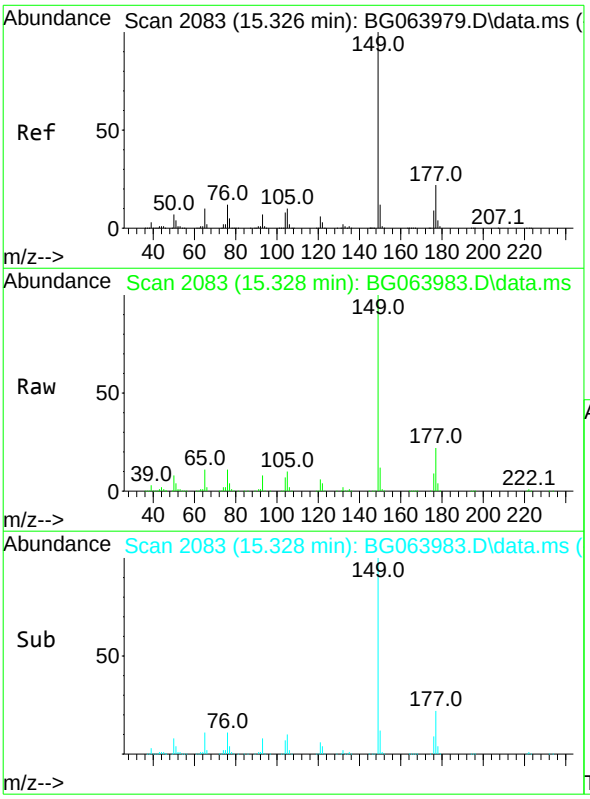
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.381 ng
RT: 15.122 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:232 Resp: 135962

Ion	Ratio	Lower	Upper
232	100		
131	40.6	34.0	51.0
130	2.3	2.2	3.4
166	30.1	24.1	36.1

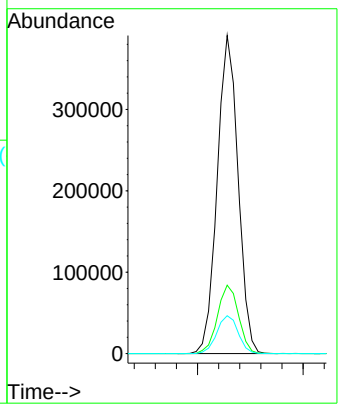


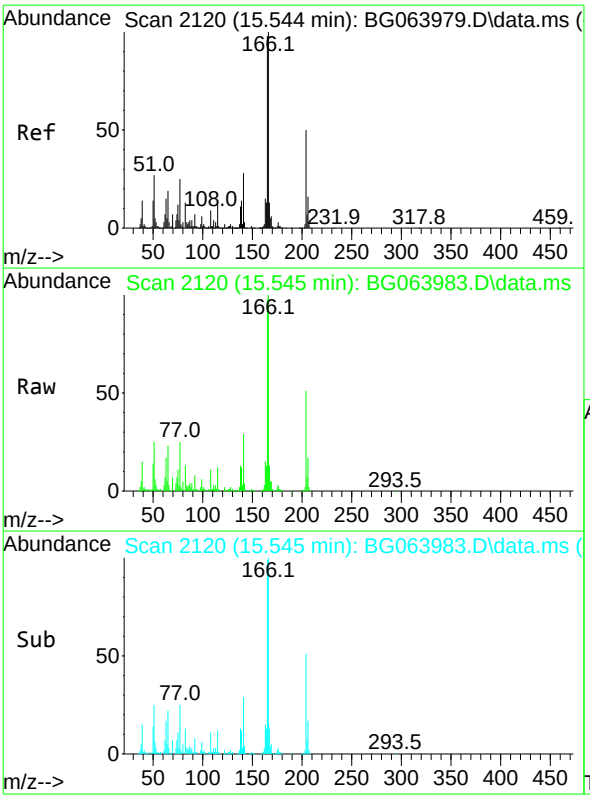


#60
Diethylphthalate
Concen: 44.092 ng
RT: 15.328 min Scan# 2083
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:149 Resp: 536976

Ion	Ratio	Lower	Upper
149	100		
177	21.5	18.0	27.0
150	11.9	9.7	14.5



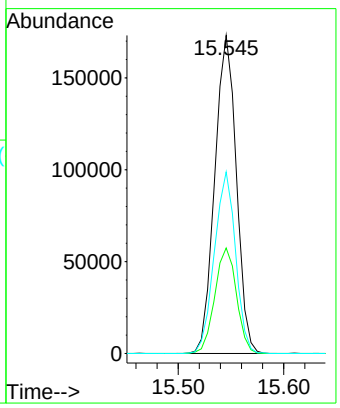


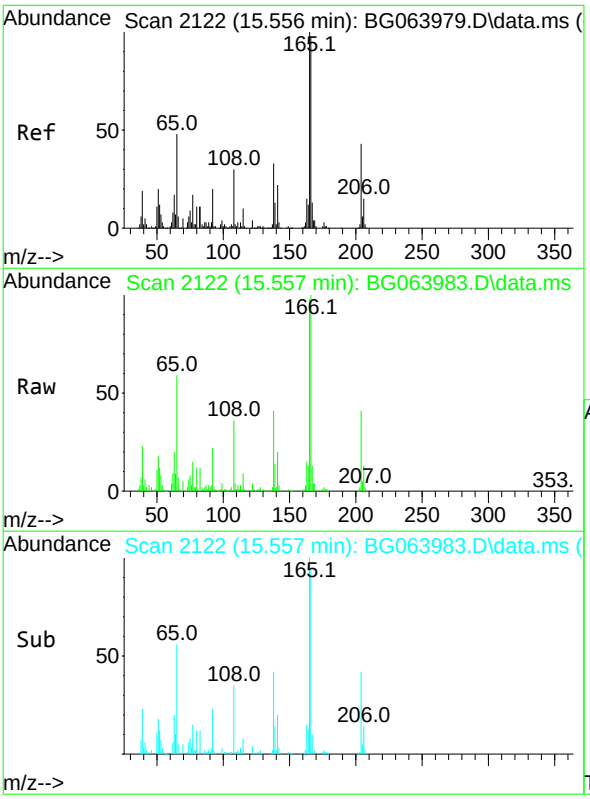
#61
4-Chlorophenyl-phenylether
Concen: 38.996 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:204 Resp: 245966

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.6
141	57.1	44.6	67.0

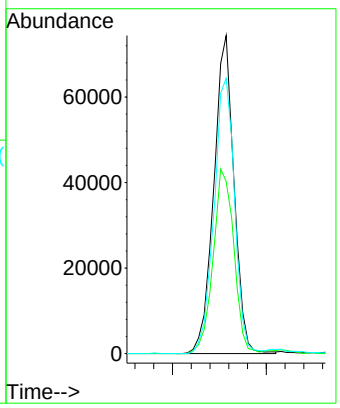


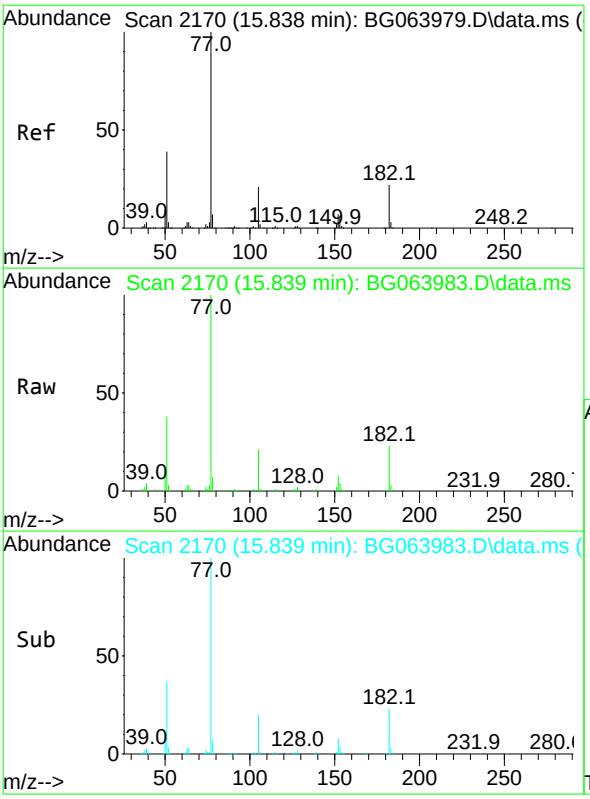


#62
4-Nitroaniline
Concen: 41.528 ng
RT: 15.557 min Scan# 2122
Delta R.T. 0.001 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:138 Resp: 111268

Ion	Ratio	Lower	Upper
138	100		
92	54.1	40.3	80.3
108	86.5	69.3	109.3



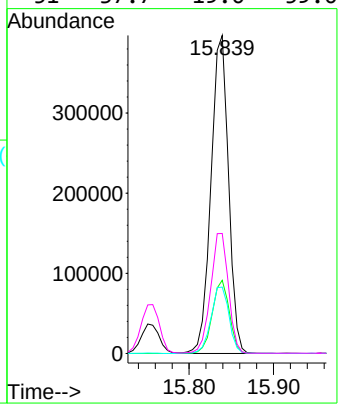


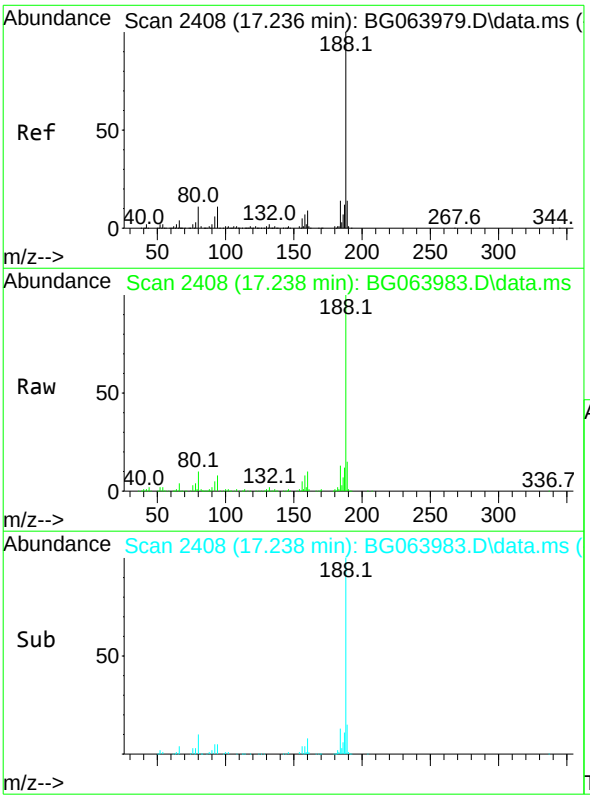
#63
Azobenzene
Concen: 39.763 ng
RT: 15.839 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion: 77 Resp: 571955

Ion	Ratio	Lower	Upper
77	100		
182	23.0	2.3	42.3
105	20.9	1.0	41.0
51	37.7	19.0	59.0

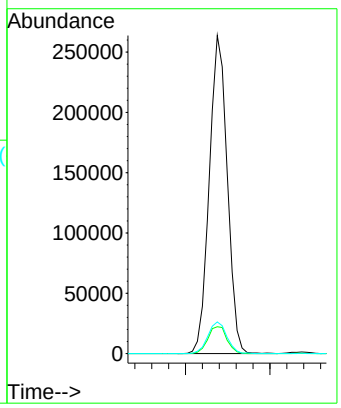


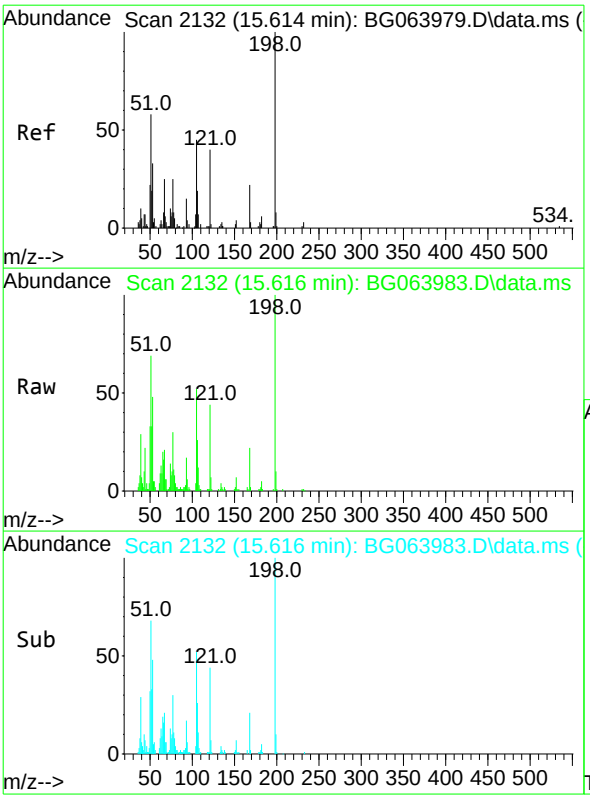


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.238 min Scan# 2408
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:188 Resp: 391413

Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.6	13.0#
80	9.9	8.5	12.7



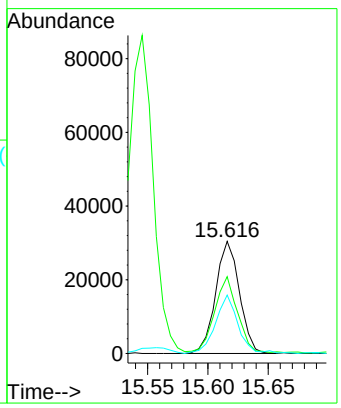


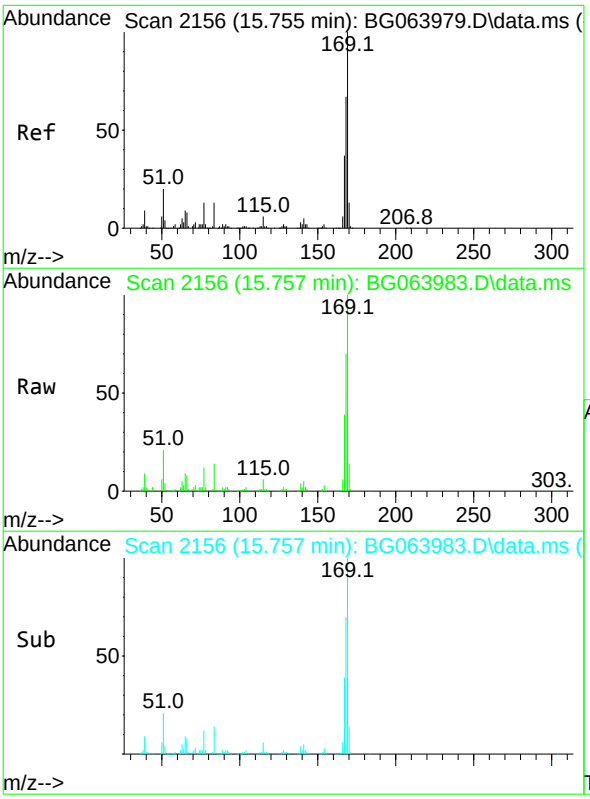
#65
4,6-Dinitro-2-methylphenol
Concen: 45.314 ng
RT: 15.616 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:198 Resp: 41712

Ion	Ratio	Lower	Upper
198	100		
51	68.5	45.4	85.4
105	52.1	27.7	67.7

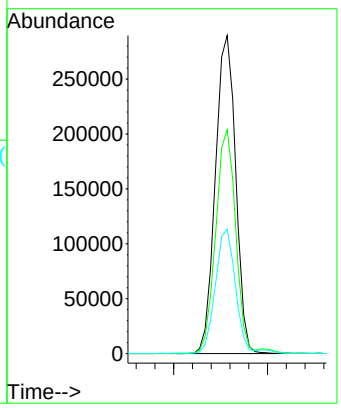


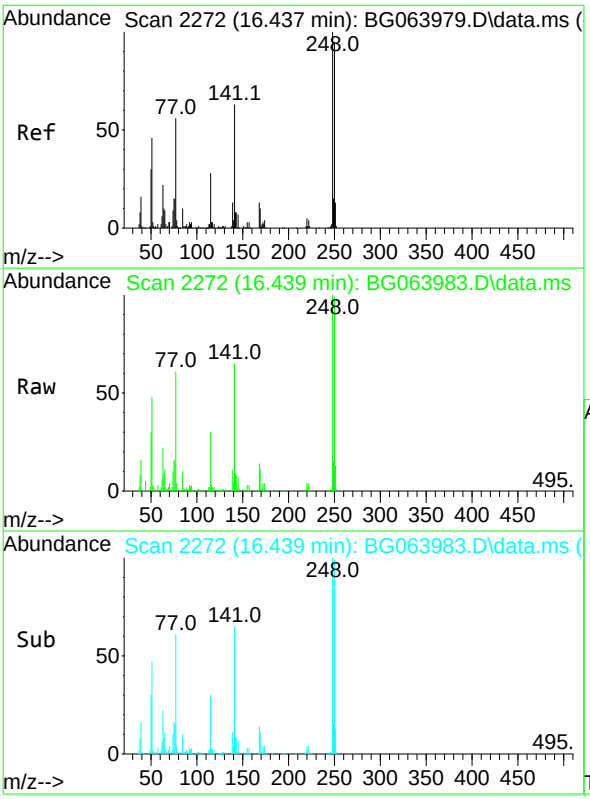


#66
n-Nitrosodiphenylamine
Concen: 40.157 ng
RT: 15.757 min Scan# 2156
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:169 Resp: 435794

Ion	Ratio	Lower	Upper
169	100		
168	70.4	53.5	80.3
167	39.1	30.0	45.0



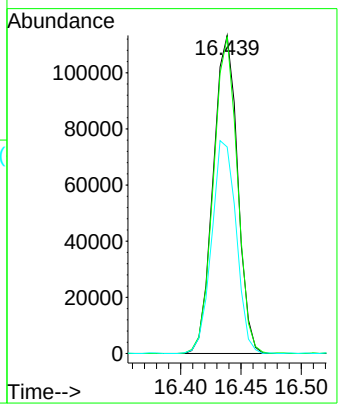


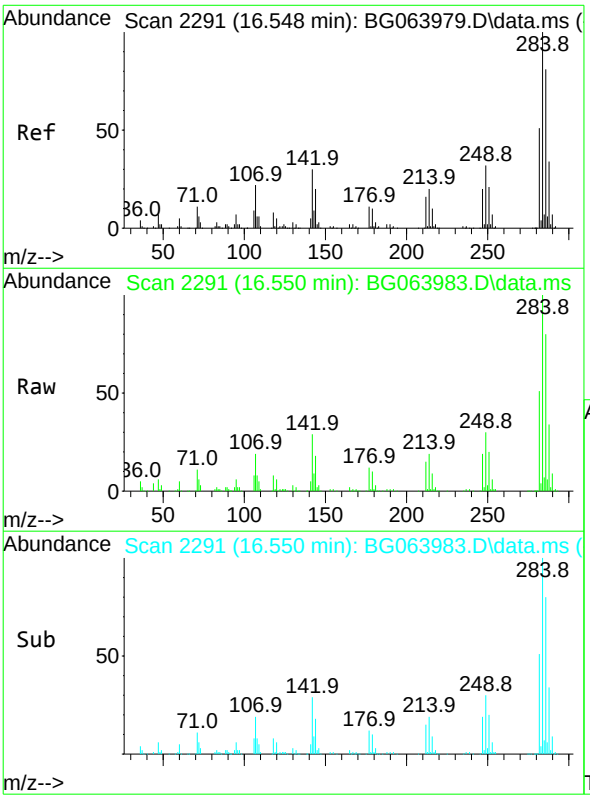
#67
4-Bromophenyl-phenylether
Concen: 40.795 ng
RT: 16.439 min Scan# 22
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:248 Resp: 158933

Ion	Ratio	Lower	Upper
248	100		
250	99.4	76.2	114.4
141	64.9	50.6	75.8

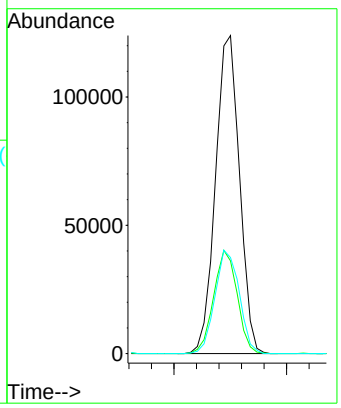


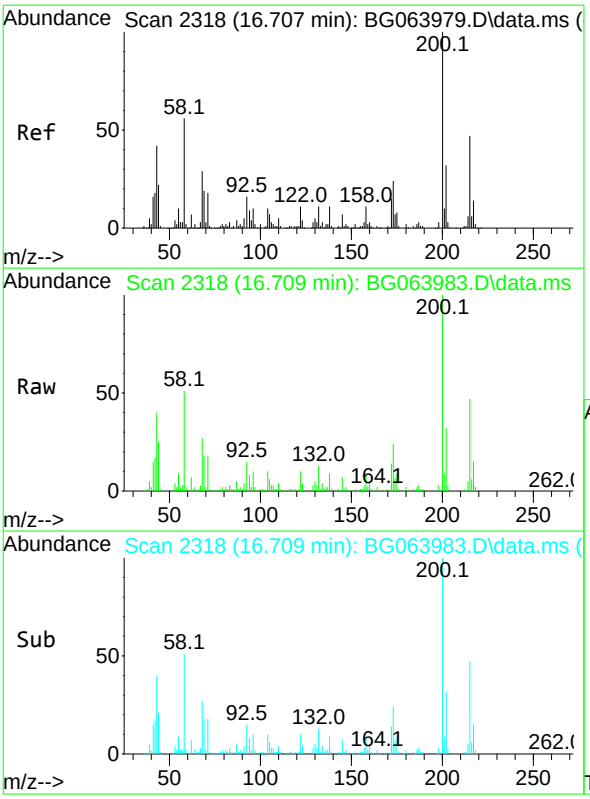


#68
Hexachlorobenzene
Concen: 40.064 ng
RT: 16.550 min Scan# 2291
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:284 Resp: 183508

Ion	Ratio	Lower	Upper
284	100		
142	29.2	23.8	35.8
249	30.2	25.9	38.9



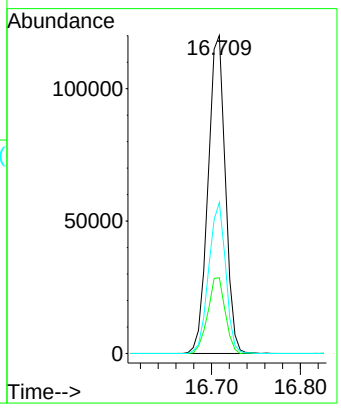


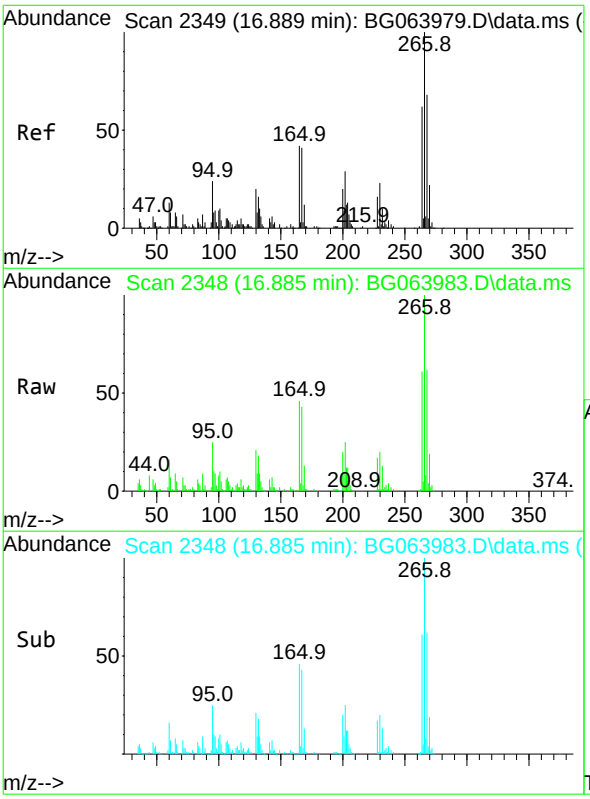
#69
Atrazine
Concen: 44.898 ng
RT: 16.709 min Scan# 23
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:200 Resp: 162149

Ion	Ratio	Lower	Upper
200	100		
173	23.8	3.8	43.8
215	47.5	26.6	66.6

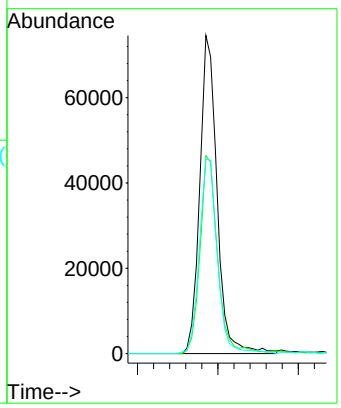


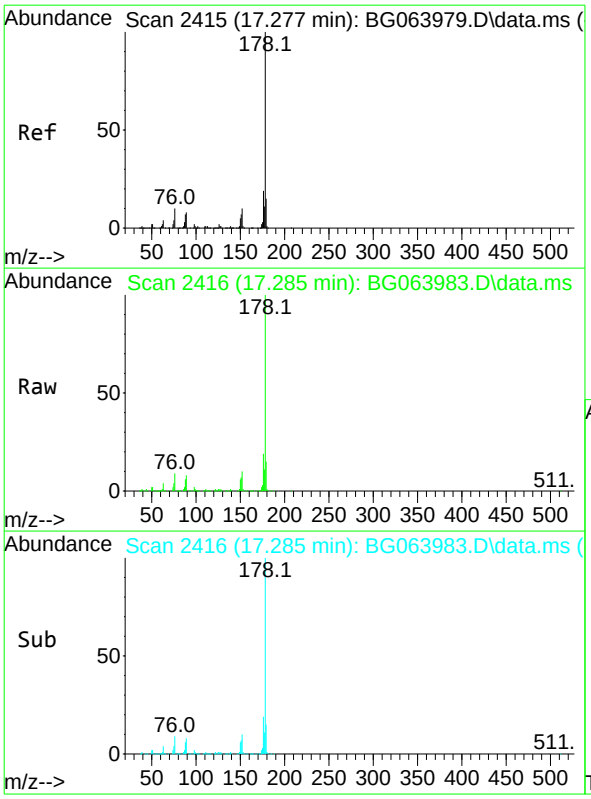


#70
Pentachlorophenol
Concen: 41.902 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:266 Resp: 111499

Ion	Ratio	Lower	Upper
266	100		
268	62.2	54.8	82.2
264	61.2	50.0	75.0



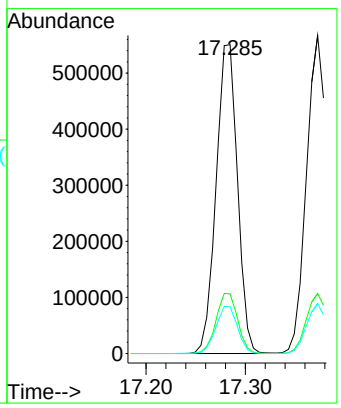


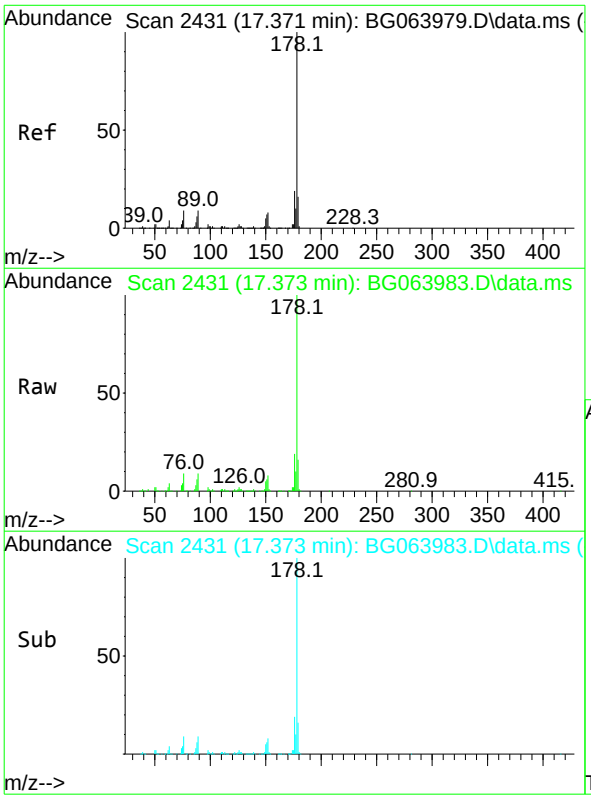
#71
Phenanthrene
Concen: 40.128 ng
RT: 17.285 min Scan# 24
Delta R.T. 0.008 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:178 Resp: 824949

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.1	12.2	18.4

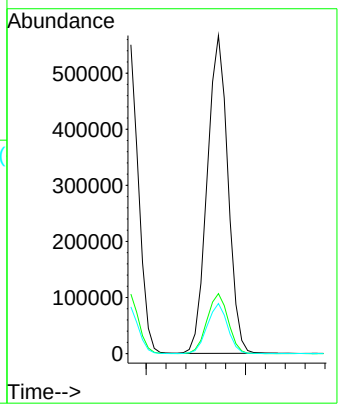


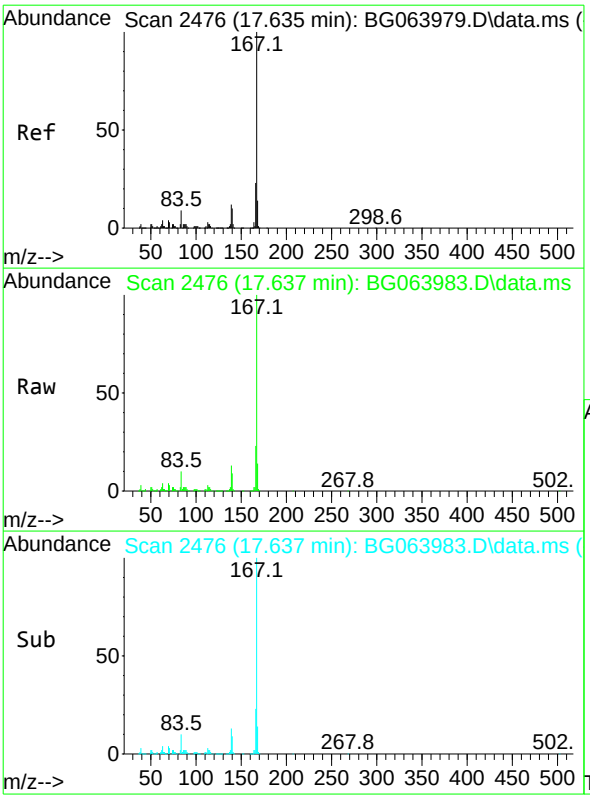


#72
Anthracene
Concen: 40.005 ng
RT: 17.373 min Scan# 2431
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:178 Resp: 822921

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.7	12.8	19.2



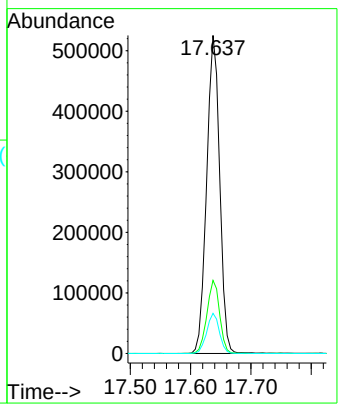


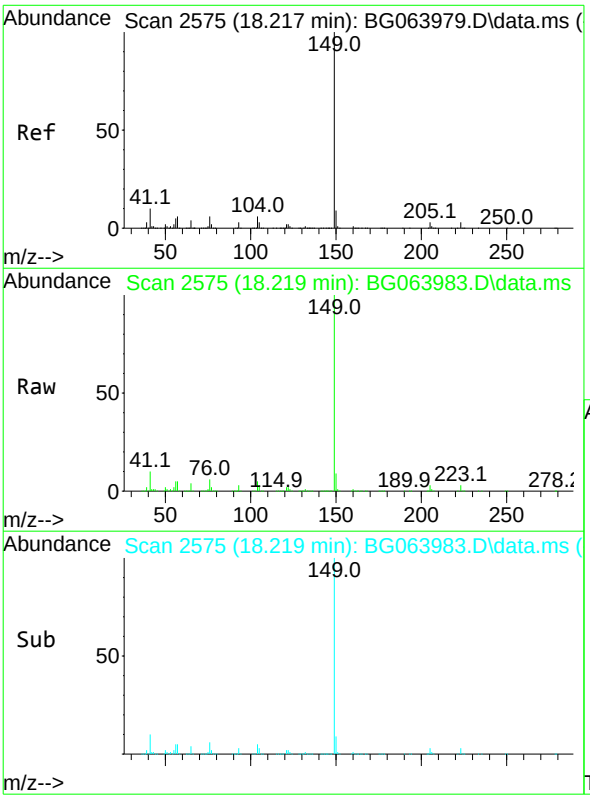
#73
Carbazole
Concen: 40.885 ng
RT: 17.637 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:167 Resp: 787304

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.6	28.0
139	12.6	9.8	14.8

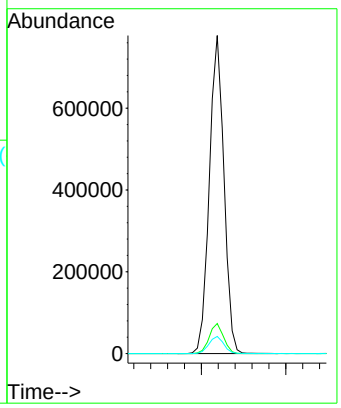


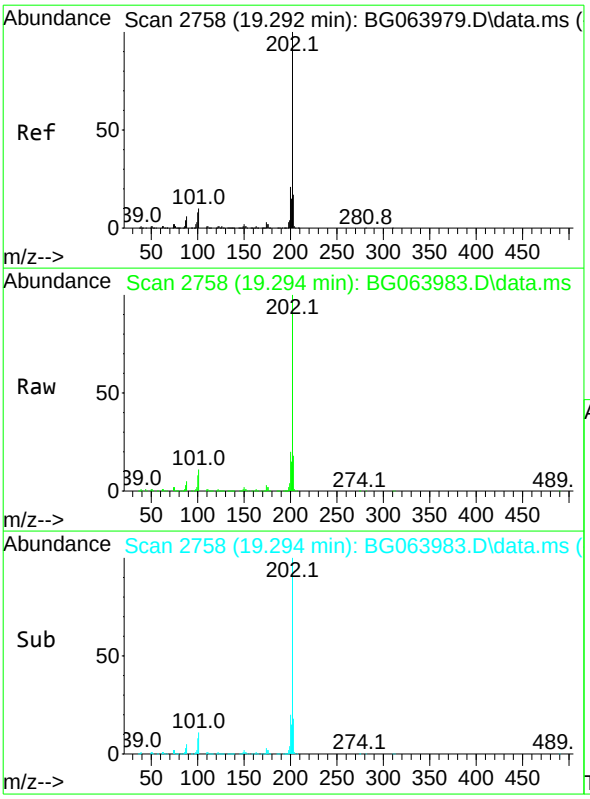


#74
Di-n-butylphthalate
Concen: 46.539 ng
RT: 18.219 min Scan# 2575
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:149 Resp: 934157

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	5.4	4.6	6.8



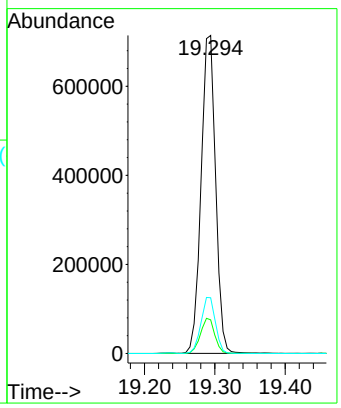


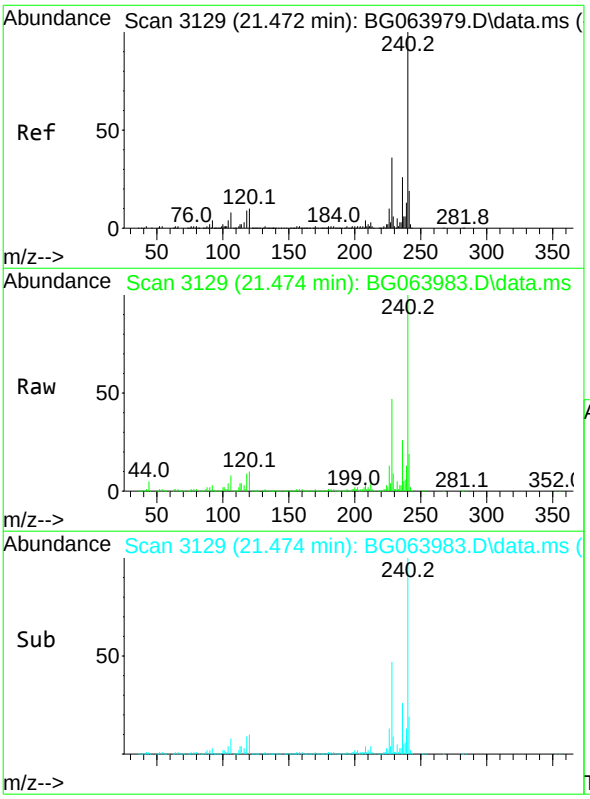
#75
Fluoranthene
Concen: 40.759 ng
RT: 19.294 min Scan# 27
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:202 Resp: 1020324

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.4
203	17.5	0.0	37.0

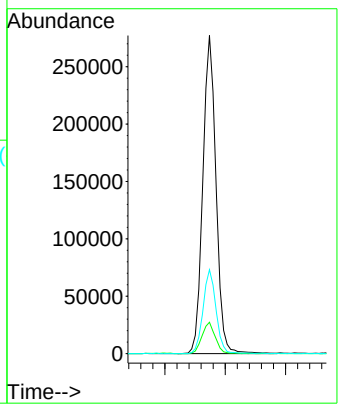


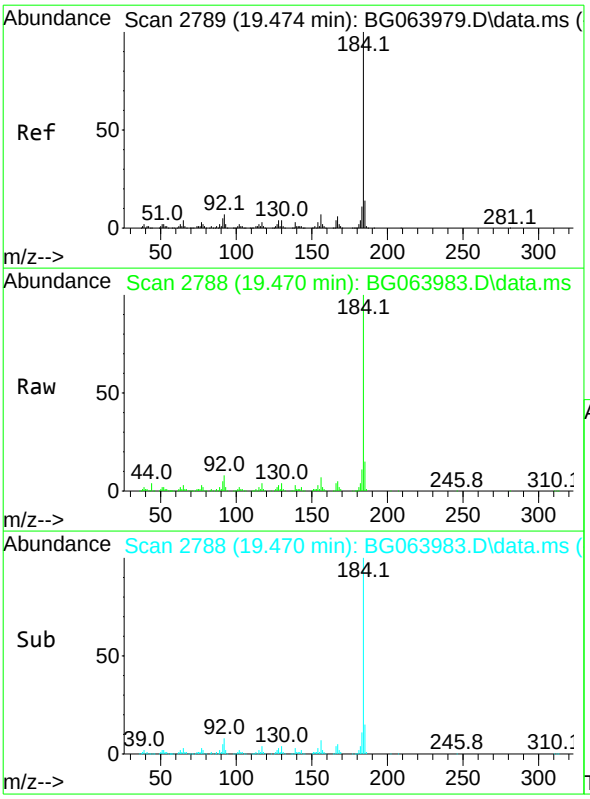


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.474 min Scan# 3129
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:240 Resp: 420206

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.9	11.9
236	26.4	21.0	31.6



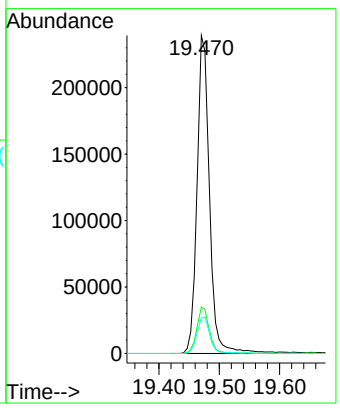


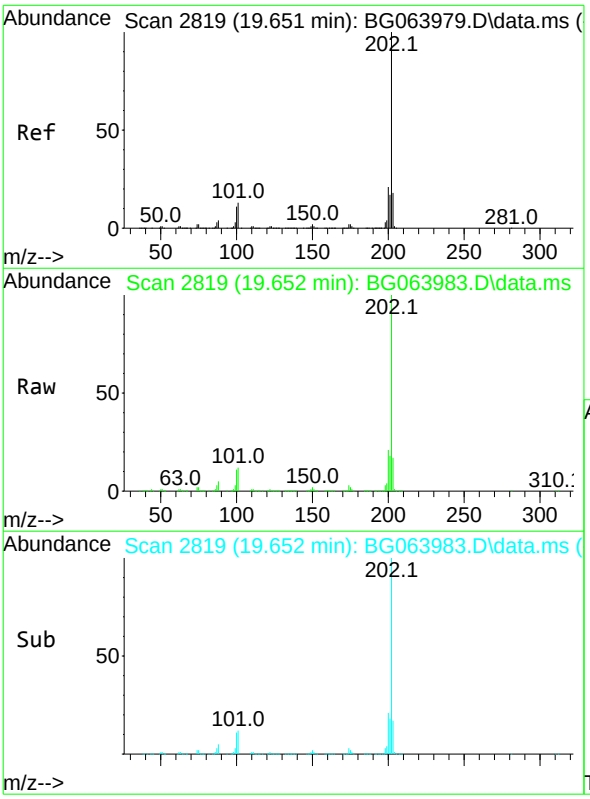
#77
Benzidine
Concen: 38.278 ng
RT: 19.470 min Scan# 27
Delta R.T. -0.004 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:184 Resp: 342511

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.2	16.8
183	11.1	8.7	13.1

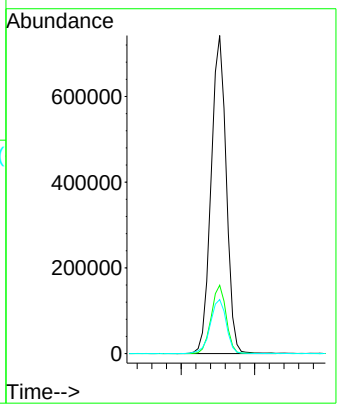


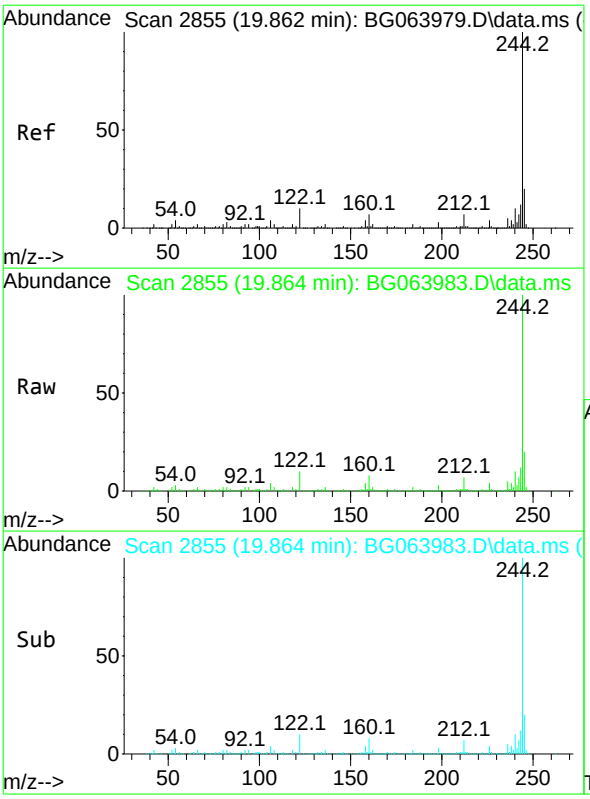


#78
Pyrene
Concen: 41.009 ng
RT: 19.652 min Scan# 2819
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:202 Resp: 1063833

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.0	14.5	21.7



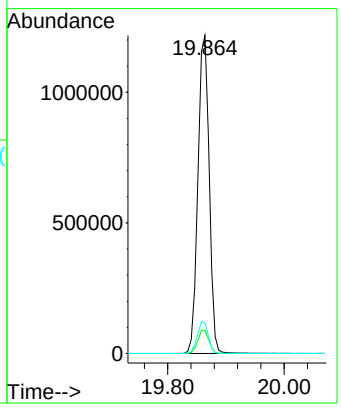


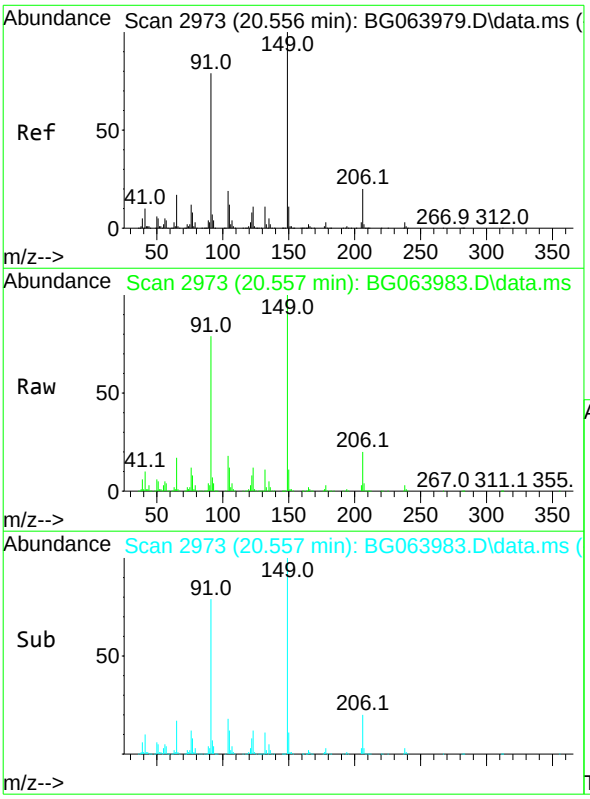
#79
Terphenyl-d14
Concen: 81.237 ng
RT: 19.864 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:244 Resp: 1634516

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.5	7.7	11.5

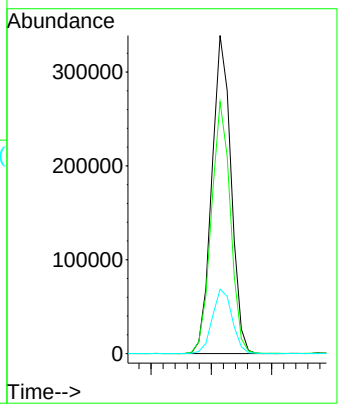


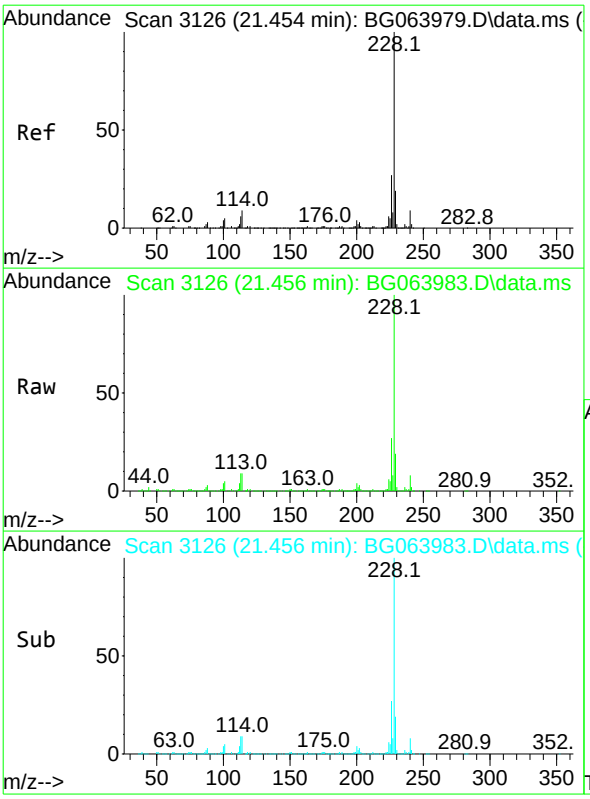


#80
Butylbenzylphthalate
Concen: 42.221 ng
RT: 20.557 min Scan# 2973
Delta R.T. 0.001 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:149 Resp: 375602

Ion	Ratio	Lower	Upper
149	100		
91	79.2	63.0	94.6
206	20.3	15.8	23.6



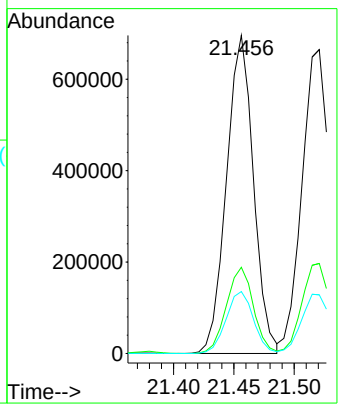


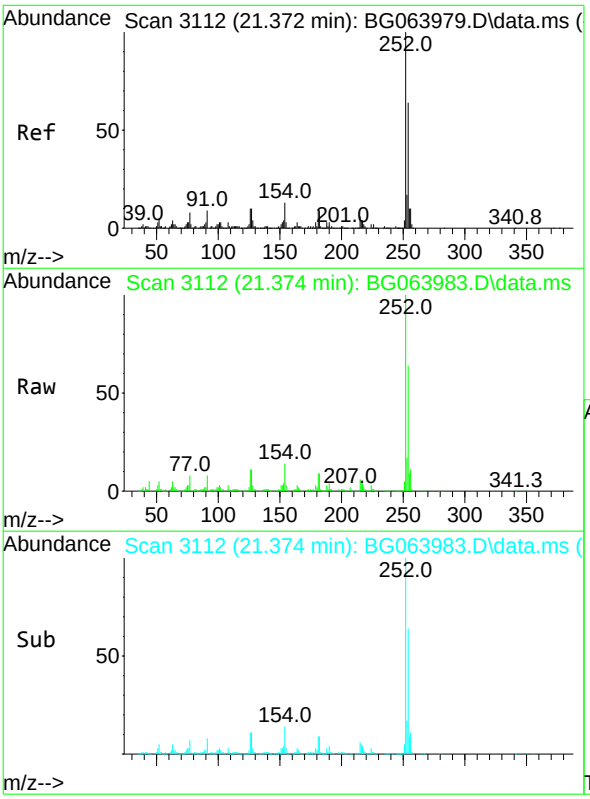
#81
Benzo(a)anthracene
Concen: 40.615 ng
RT: 21.456 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:228 Resp: 1083578

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	19.5	15.5	23.3

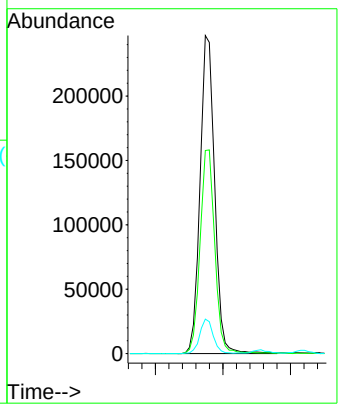


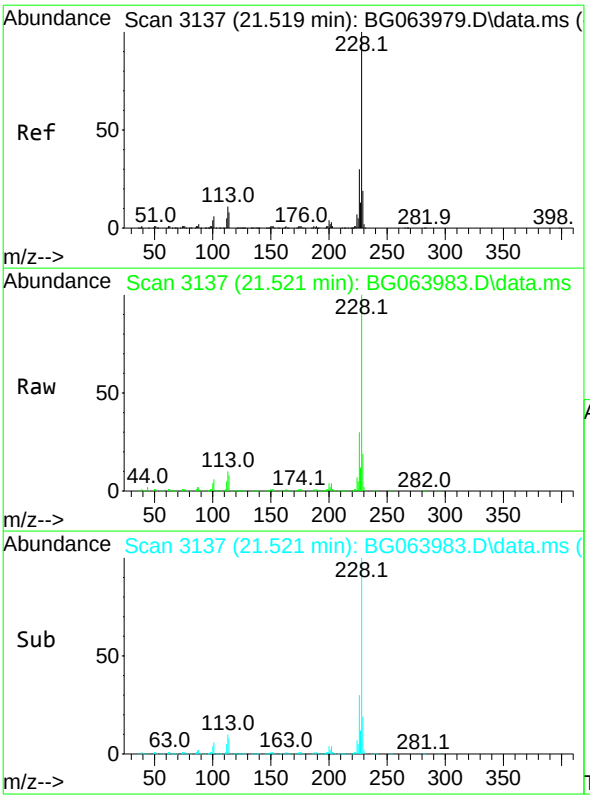


#82
3,3'-Dichlorobenzidine
Concen: 44.672 ng
RT: 21.374 min Scan# 3112
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:252 Resp: 371157

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	10.8	8.2	12.2



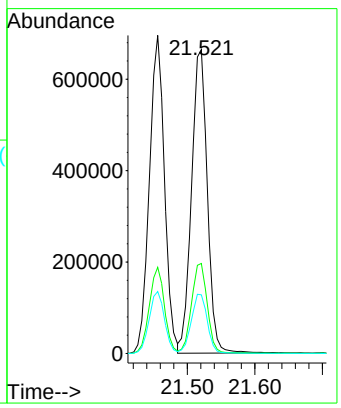


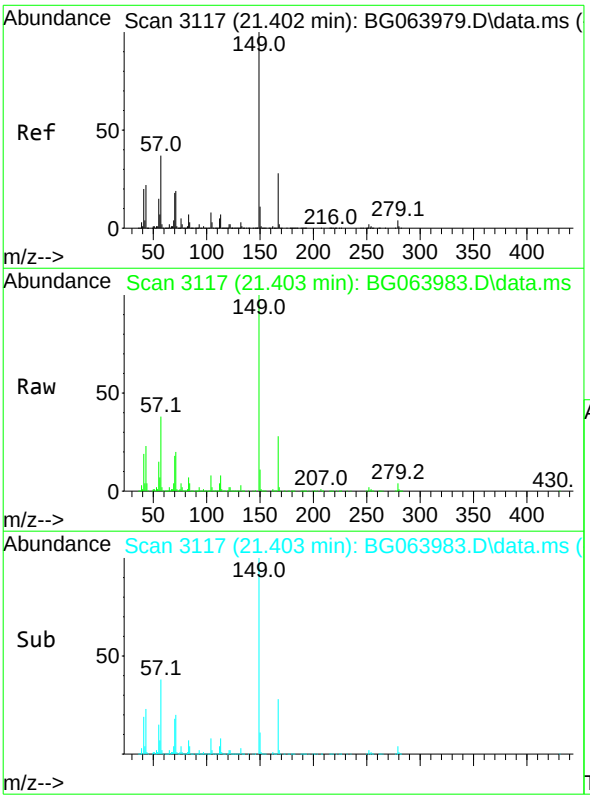
#83
Chrysene
Concen: 40.609 ng
RT: 21.521 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:228 Resp: 1078198

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.2
229	19.3	15.4	23.0

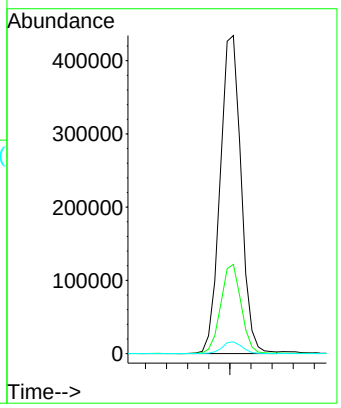


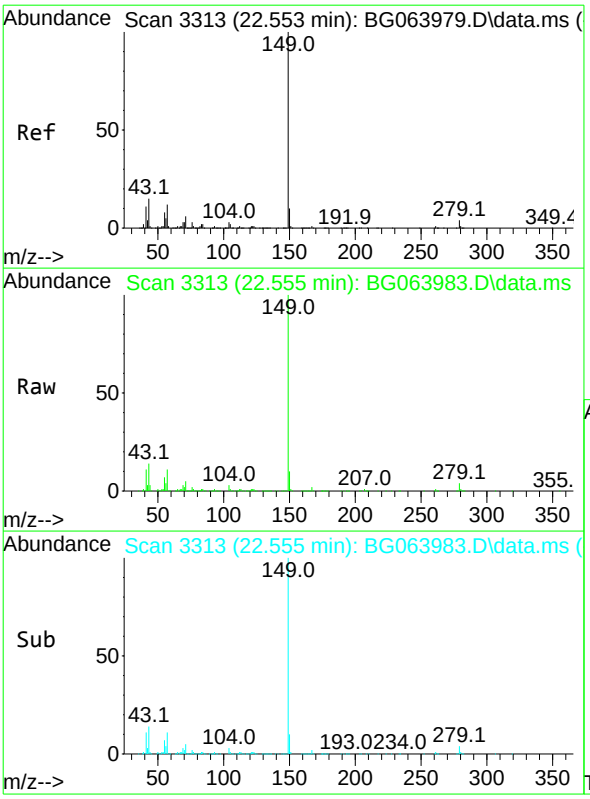


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.896 ng
RT: 21.403 min Scan# 3117
Delta R.T. 0.001 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:149 Resp: 599462

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.5	33.7
279	3.7	3.0	4.4



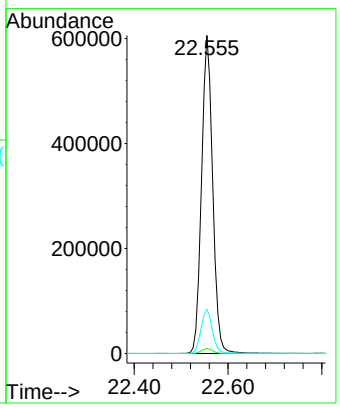


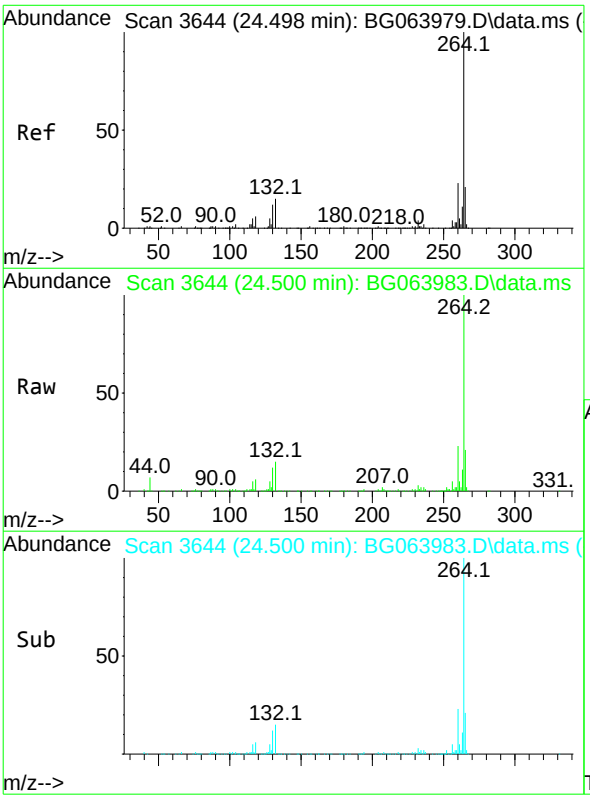
#85
Di-n-octyl phthalate
Concen: 42.834 ng
RT: 22.555 min Scan# 33
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:149 Resp: 997569

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	14.6	12.3	18.5

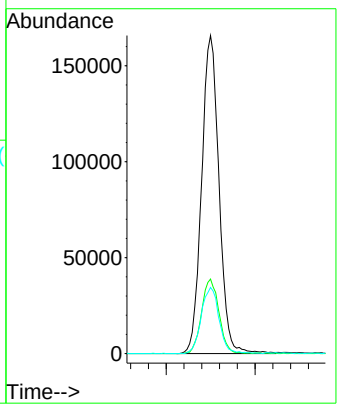


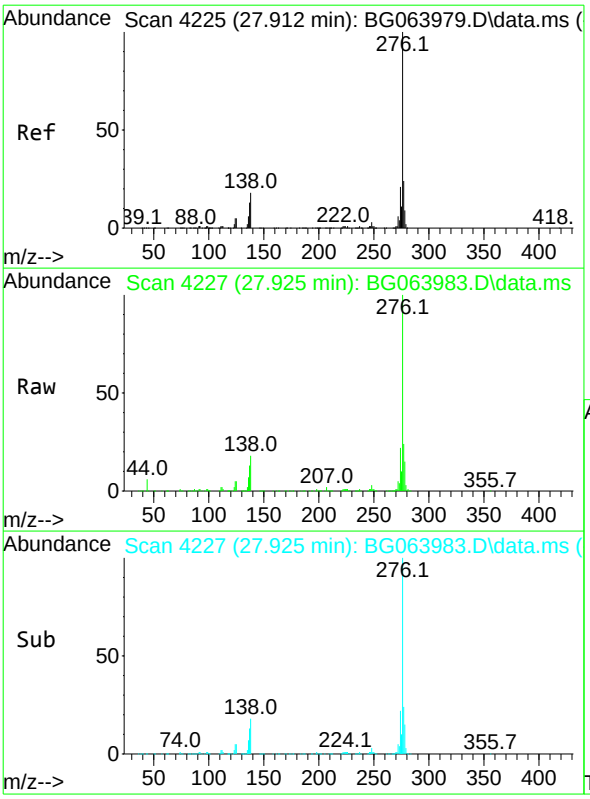


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.500 min Scan# 3644
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:264 Resp: 451428

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	20.8	16.6	24.8



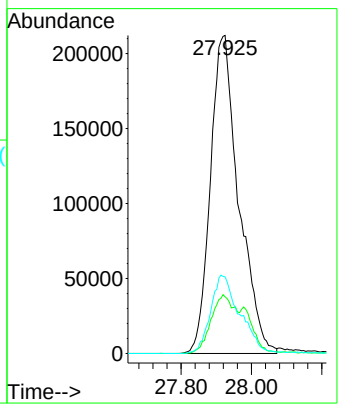


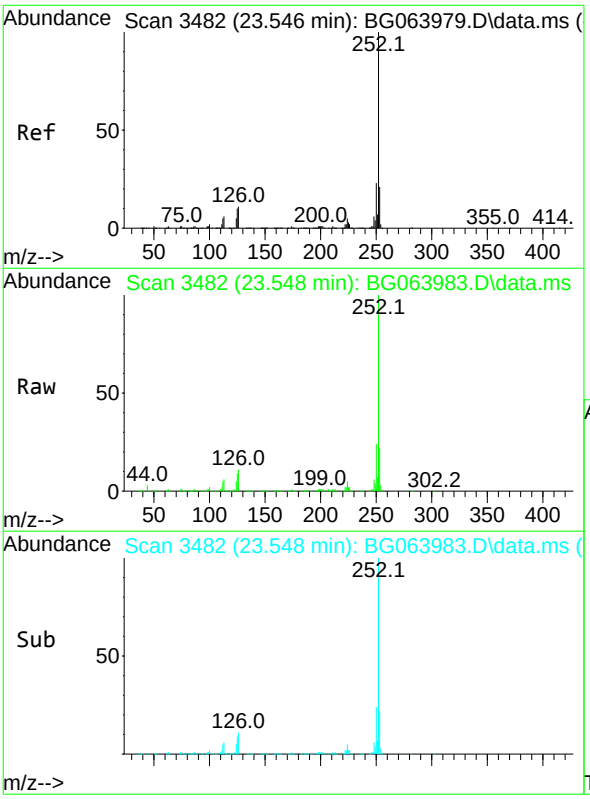
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.701 ng
RT: 27.925 min Scan# 42
Delta R.T. 0.013 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:276 Resp: 1185350

Ion	Ratio	Lower	Upper
276	100		
138	16.0	10.7	16.1
277	25.3	20.2	30.4

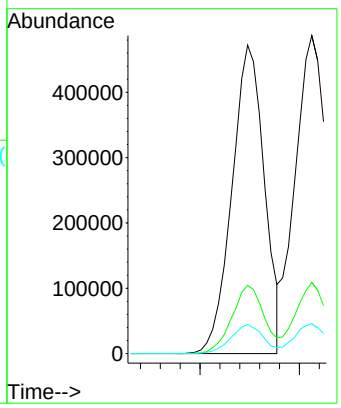


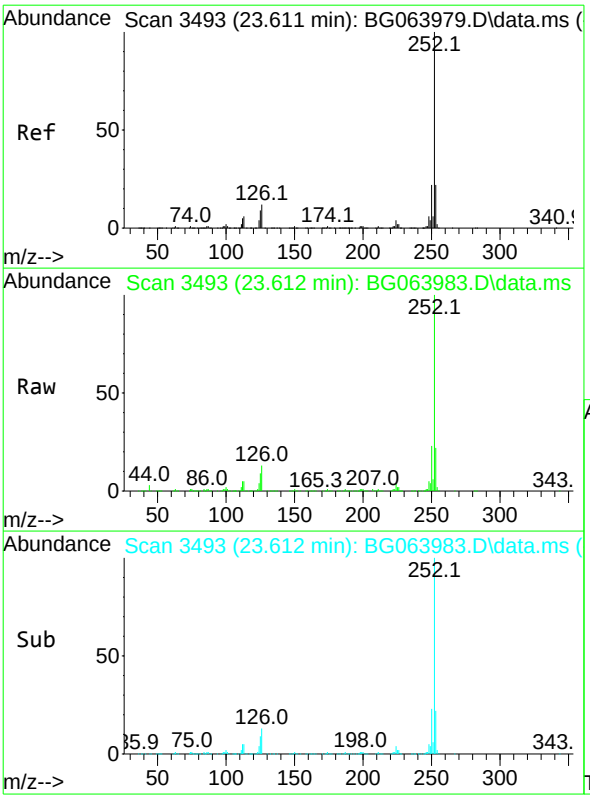


#88
Benzo(b)fluoranthene
Concen: 40.258 ng
RT: 23.548 min Scan# 3482
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:252 Resp: 1070145

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.9	25.3
125	9.4	7.9	11.9



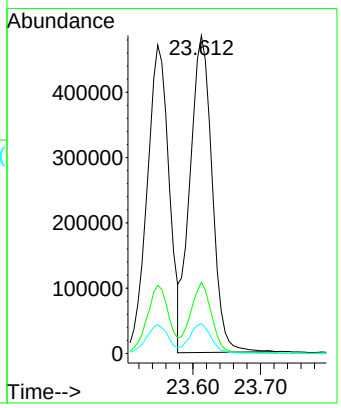


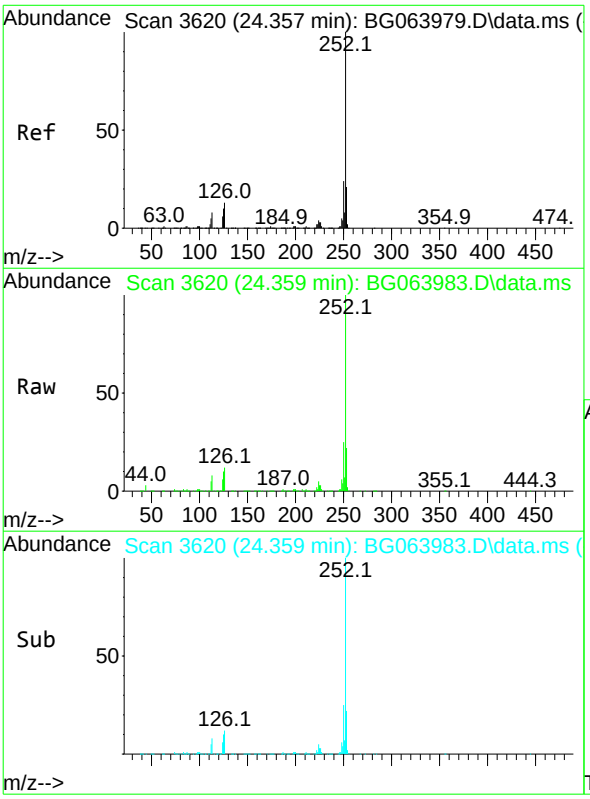
#89
Benzo(k)fluoranthene
Concen: 40.487 ng
RT: 23.612 min Scan# 34
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:252 Resp: 1105111

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.4	7.5	11.3

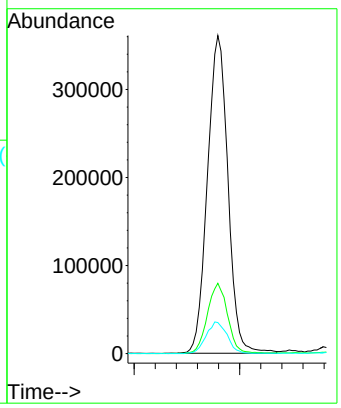


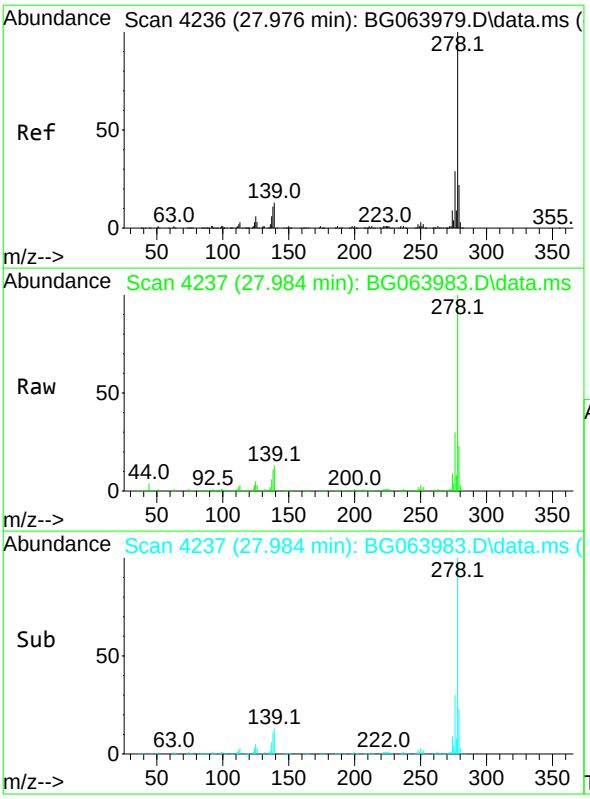


#90
Benzo(a)pyrene
Concen: 41.061 ng
RT: 24.359 min Scan# 3620
Delta R.T. 0.002 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:252 Resp: 974268

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.8	7.9	11.9



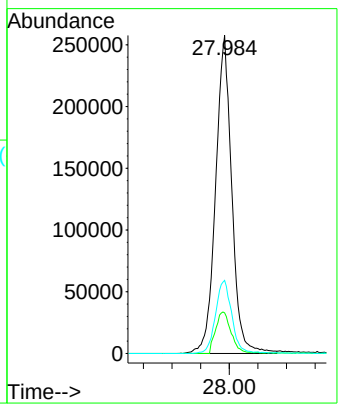


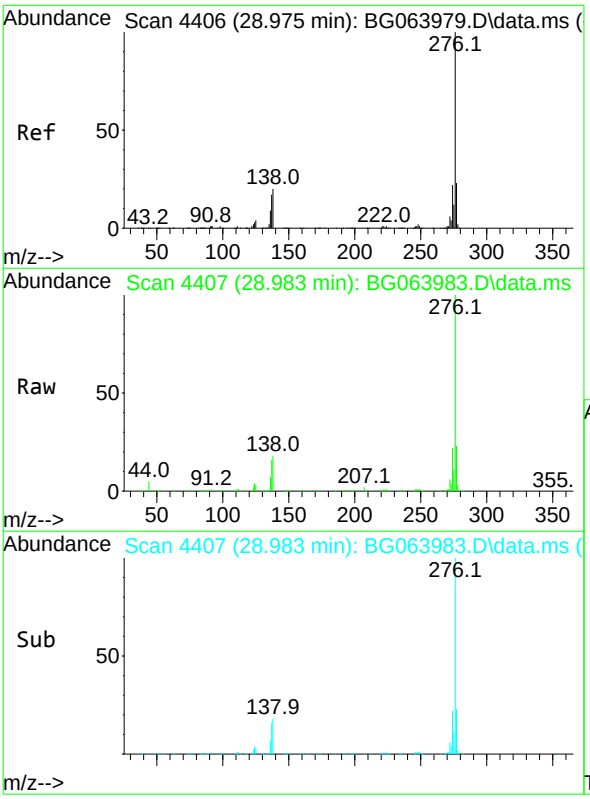
#91
Dibenzo(a,h)anthracene
Concen: 41.054 ng
RT: 27.984 min Scan# 42
Delta R.T. 0.008 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Tgt Ion:278 Resp: 1009580

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.8	16.2
279	23.0	17.8	26.6

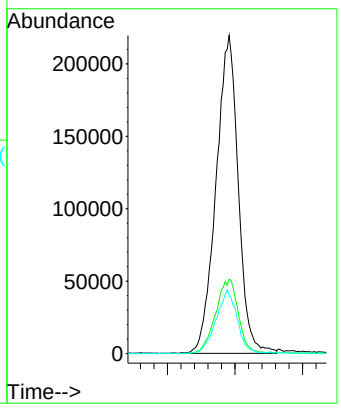




#92
Benzo(g,h,i)perylene
Concen: 40.427 ng
RT: 28.983 min Scan# 4407
Delta R.T. 0.008 min
Lab File: BG063983.D
Acq: 3 Feb 2025 16:59

Tgt Ion:276 Resp: 1003616

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.2	27.4
138	18.4	15.8	23.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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	99	0.00
2		1,4-Dioxane	0.592	0.479	19.1	79	-0.02
3		Pyridine	1.600	1.469	8.2	87	-0.02
4		n-Nitrosodimethylamine	0.920	0.860	6.5	92	-0.02
5	S	2-Fluorophenol	1.247	1.319	-5.8	98	-0.01
6		Aniline	1.834	1.866	-1.7	98	-0.01
7	S	Phenol-d6	1.712	1.804	-5.4	100	0.00
8		2-Chlorophenol	1.271	1.398	-10.0	102	-0.01
9		Benzaldehyde	0.935	0.998	-6.7	103	-0.01
10	C	Phenol	1.802	1.859	-3.2	99	-0.01
11		bis(2-Chloroethyl)ether	1.451	1.459	-0.6	98	0.00
12		1,3-Dichlorobenzene	1.513	1.473	2.6	95	0.00
13	C	1,4-Dichlorobenzene	1.528	1.506	1.4	96	0.00
14		1,2-Dichlorobenzene	1.464	1.460	0.3	98	0.00
15		Benzyl Alcohol	1.280	1.353	-5.7	101	-0.01
16		2,2'-oxybis(1-Chloropropane	2.922	2.861	2.1	96	0.00
17		2-Methylphenol	1.165	1.209	-3.8	97	0.00
18		Hexachloroethane	0.503	0.531	-5.6	98	0.00
19	P	n-Nitroso-di-n-propylamine	1.185	1.200	-1.3	95	0.00
20		3+4-Methylphenols	1.553	1.645	-5.9	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22		Acetophenone	0.550	0.546	0.7	98	0.00
23	S	Nitrobenzene-d5	0.329	0.370	-12.5	109	0.00
24		Nitrobenzene	0.330	0.377	-14.2	105	0.00
25		Isophorone	0.713	0.724	-1.5	100	0.00
26	C	2-Nitrophenol	0.069	0.104	-50.7#	135	0.00
27		2,4-Dimethylphenol	0.205	0.220	-7.3	101	0.00
28		bis(2-Chloroethoxy)methane	0.454	0.459	-1.1	99	0.00
29	C	2,4-Dichlorophenol	0.249	0.290	-16.5	106	0.00
30		1,2,4-Trichlorobenzene	0.337	0.334	0.9	97	0.00
31		Naphthalene	1.072	1.082	-0.9	98	0.00
32		Benzoic acid	0.123	0.152	-23.6	132	-0.01
33		4-Chloroaniline	0.411	0.419	-1.9	98	0.00
34	C	Hexachlorobutadiene	0.215	0.214	0.5	98	0.00
35		Caprolactam	0.095	0.109	-14.7	111	0.00
36	C	4-Chloro-3-methylphenol	0.328	0.360	-9.8	102	0.00
37		2-Methylnaphthalene	0.747	0.745	0.3	98	0.00
38		1-Methylnaphthalene	0.739	0.730	1.2	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.573	2.9	99	0.00
41	P	Hexachlorocyclopentadiene	0.149	0.169	-13.4	105	0.00
42	S	2,4,6-Tribromophenol	0.192	0.235	-22.4	125	0.00
43	C	2,4,6-Trichlorophenol	0.288	0.344	-19.4	109	0.00
44		2,4,5-Trichlorophenol	0.333	0.387	-16.2	105	0.00
45	S	2-Fluorobiphenyl	1.305	1.253	4.0	97	0.00
46		1,1'-Biphenyl	1.523	1.453	4.6	96	0.00
47		2-Chloronaphthalene	1.110	1.069	3.7	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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	0.249	0.325	-30.5#	123	0.00
49		Acenaphthylene	1.724	1.700	1.4	99	0.00
50		Dimethylphthalate	1.326	1.396	-5.3	102	0.00
51		2,6-Dinitrotoluene	0.208	0.261	-25.5#	115	0.00
52	C	Acenaphthene	1.156	1.156	0.0	102	0.00
53		3-Nitroaniline	0.238	0.291	-22.3	110	0.00
54	P	2,4-Dinitrophenol	0.057	0.072	-26.3#	144	0.00
55		Dibenzofuran	1.878	1.859	1.0	101	0.00
56	P	4-Nitrophenol	0.203	0.251	-23.6	126	0.00
57		2,4-Dinitrotoluene	0.268	0.355	-32.5#	123	0.00
58		Fluorene	1.451	1.434	1.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.392	-26.9#	118	0.00
60		Diethylphthalate	1.406	1.550	-10.2	106	0.00
61		4-Chlorophenyl-phenylether	0.728	0.710	2.5	101	0.00
62		4-Nitroaniline	0.267	0.321	-20.2	112	0.00
63		Azobenzene	1.661	1.651	0.6	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	0.046	0.053	-15.2	134	0.00
66	c	n-Nitrosodiphenylamine	0.555	0.557	-0.4	104	0.00
67		4-Bromophenyl-phenylether	0.199	0.203	-2.0	105	0.00
68		Hexachlorobenzene	0.234	0.234	0.0	103	0.00
69		Atrazine	0.185	0.207	-11.9	111	0.00
70	C	Pentachlorophenol	0.120	0.142	-18.3	124	0.00
71		Phenanthrene	1.050	1.054	-0.4	105	0.00
72		Anthracene	1.051	1.051	0.0	104	0.00
73		Carbazole	0.984	1.006	-2.2	107	0.00
74		Di-n-butylphthalate	1.026	1.193	-16.3	111	0.00
75	C	Fluoranthene	1.279	1.303	-1.9	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77		Benzidine	0.426	0.408	4.2	89	0.00
78		Pyrene	1.235	1.266	-2.5	106	0.00
79	S	Terphenyl-d14	0.958	0.972	-1.5	106	0.00
80		Butylbenzylphthalate	0.346	0.447	-29.2#	119	0.00
81		Benzo(a)anthracene	1.270	1.289	-1.5	104	0.00
82		3,3'-Dichlorobenzidine	0.395	0.442	-11.9	105	0.00
83		Chrysene	1.264	1.283	-1.5	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.575	0.713	-24.0	113	0.00
85	c	Di-n-octyl phthalate	1.001	1.187	-18.6	120	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.290	1.313	-1.8	105	0.01
88		Benzo(b)fluoranthene	1.178	1.185	-0.6	103	0.00
89		Benzo(k)fluoranthene	1.209	1.224	-1.2	103	0.00
90	C	Benzo(a)pyrene	1.051	1.079	-2.7	106	0.00
91		Dibenzo(a,h)anthracene	1.089	1.118	-2.7	106	0.00
92		Benzo(g,h,i)perylene	1.100	1.112	-1.1	105	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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	99	0.00
2		1,4-Dioxane	40.000	32.372	19.1	79	-0.02
3		Pyridine	40.000	36.743	8.1	87	-0.02
4		n-Nitrosodimethylamine	40.000	37.410	6.5	92	-0.02
5	S	2-Fluorophenol	80.000	84.592	-5.7	98	-0.01
6		Aniline	40.000	40.684	-1.7	98	-0.01
7	S	Phenol-d6	80.000	84.286	-5.4	100	0.00
8		2-Chlorophenol	40.000	43.988	-10.0	102	-0.01
9		Benzaldehyde	40.000	42.712	-6.8	103	-0.01
10	C	Phenol	40.000	41.261	-3.2	99	-0.01
11		bis(2-Chloroethyl)ether	40.000	40.215	-0.5	98	0.00
12		1,3-Dichlorobenzene	40.000	38.949	2.6	95	0.00
13	C	1,4-Dichlorobenzene	40.000	39.435	1.4	96	0.00
14		1,2-Dichlorobenzene	40.000	39.891	0.3	98	0.00
15		Benzyl Alcohol	40.000	42.312	-5.8	101	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	39.171	2.1	96	0.00
17		2-Methylphenol	40.000	41.505	-3.8	97	0.00
18		Hexachloroethane	40.000	42.225	-5.6	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.479	-1.2	95	0.00
20		3+4-Methylphenols	40.000	42.374	-5.9	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	98	0.00
22		Acetophenone	40.000	39.753	0.6	98	0.00
23	S	Nitrobenzene-d5	80.000	90.016	-12.5	109	0.00
24		Nitrobenzene	40.000	40.346	-0.9	105	0.00
25		Isophorone	40.000	40.583	-1.5	100	0.00
26	C	2-Nitrophenol	40.000	47.433	-18.6	135	0.00
27		2,4-Dimethylphenol	40.000	42.963	-7.4	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.478	-1.2	99	0.00
29	C	2,4-Dichlorophenol	40.000	41.051	-2.6	106	0.00
30		1,2,4-Trichlorobenzene	40.000	39.645	0.9	97	0.00
31		Naphthalene	40.000	40.345	-0.9	98	0.00
32		Benzoic acid	40.000	45.836	-14.6	132	-0.01
33		4-Chloroaniline	40.000	40.771	-1.9	98	0.00
34	C	Hexachlorobutadiene	40.000	39.935	0.2	98	0.00
35		Caprolactam	40.000	42.136	-5.3	111	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.869	-9.7	102	0.00
37		2-Methylnaphthalene	40.000	39.879	0.3	98	0.00
38		1-Methylnaphthalene	40.000	39.490	1.3	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.841	2.9	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.188	-13.0	105	0.00
42	S	2,4,6-Tribromophenol	80.000	87.013	-8.8	125	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.514	-1.3	109	0.00
44		2,4,5-Trichlorophenol	40.000	40.400	-1.0	105	0.00
45	S	2-Fluorobiphenyl	80.000	76.765	4.0	97	0.00
46		1,1'-Biphenyl	40.000	38.170	4.6	96	0.00
47		2-Chloronaphthalene	40.000	38.515	3.7	98	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.383	-11.0	123	0.00
49		Acenaphthylene	40.000	39.437	1.4	99	0.00
50		Dimethylphthalate	40.000	42.101	-5.3	102	0.00
51		2,6-Dinitrotoluene	40.000	42.654	-6.6	115	0.00
52	C	Acenaphthene	40.000	39.995	0.0	102	0.00
53		3-Nitroaniline	40.000	40.569	-1.4	110	0.00
54	P	2,4-Dinitrophenol	40.000	47.424	-18.6	144	0.00
55		Dibenzofuran	40.000	39.604	1.0	101	0.00
56	P	4-Nitrophenol	40.000	43.406	-8.5	126	0.00
57		2,4-Dinitrotoluene	40.000	44.184	-10.5	123	0.00
58		Fluorene	40.000	39.521	1.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.381	-6.0	118	0.00
60		Diethylphthalate	40.000	44.092	-10.2	106	0.00
61		4-Chlorophenyl-phenylether	40.000	38.996	2.5	101	0.00
62		4-Nitroaniline	40.000	41.528	-3.8	112	0.00
63		Azobenzene	40.000	39.763	0.6	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.314	-13.3	134	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.157	-0.4	104	0.00
67		4-Bromophenyl-phenylether	40.000	40.795	-2.0	105	0.00
68		Hexachlorobenzene	40.000	40.064	-0.2	103	0.00
69		Atrazine	40.000	44.898	-12.2	111	0.00
70	C	Pentachlorophenol	40.000	41.902	-4.8	124	0.00
71		Phenanthrene	40.000	40.128	-0.3	105	0.00
72		Anthracene	40.000	40.005	-0.0	104	0.00
73		Carbazole	40.000	40.885	-2.2	107	0.00
74		Di-n-butylphthalate	40.000	46.539	-16.3	111	0.00
75	C	Fluoranthene	40.000	40.759	-1.9	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77		Benzidine	40.000	38.278	4.3	89	0.00
78		Pyrene	40.000	41.009	-2.5	106	0.00
79	S	Terphenyl-d14	80.000	81.237	-1.5	106	0.00
80		Butylbenzylphthalate	40.000	42.221	-5.6	119	0.00
81		Benzo(a)anthracene	40.000	40.615	-1.5	104	0.00
82		3,3'-Dichlorobenzidine	40.000	44.672	-11.7	105	0.00
83		Chrysene	40.000	40.609	-1.5	106	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.896	-4.7	113	0.00
85	c	Di-n-octyl phthalate	40.000	42.834	-7.1	120	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.701	-1.8	105	0.01
88		Benzo(b)fluoranthene	40.000	40.258	-0.6	103	0.00
89		Benzo(k)fluoranthene	40.000	40.487	-1.2	103	0.00
90	C	Benzo(a)pyrene	40.000	41.061	-2.7	106	0.00
91		Dibenzo(a,h)anthracene	40.000	41.054	-2.6	106	0.00
92		Benzo(g,h,i)perylene	40.000	40.427	-1.1	105	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063983.D
Acq On : 3 Feb 2025 16:59
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG020325

Quant Time: Feb 04 03:20:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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: **BF141301.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.194		-8.4	
Benzaldehyde	0.960	0.852		-11.3	
Phenol-d6	1.657	1.545		-6.8	
Phenol	1.757	1.657		-5.7	20.0
bis(2-Chloroethyl)ether	1.347	1.242		-7.8	
2-Chlorophenol	1.396	1.317		-5.7	
2-Methylphenol	1.135	1.057		-6.9	
2,2-oxybis(1-Chloropropane)	2.342	2.216		-5.4	
Acetophenone	0.475	0.435		-8.4	
3+4-Methylphenols	1.393	1.298		-6.8	
n-Nitroso-di-n-propylamine	0.985	0.911	0.050	-7.5	
Nitrobenzene-d5	0.379	0.356		-6.1	
Hexachloroethane	0.571	0.533		-6.7	
Nitrobenzene	0.393	0.370		-5.9	
Isophorone	0.656	0.621		-5.3	
2-Nitrophenol	0.185	0.177		-4.3	20.0
2,4-Dimethylphenol	0.236	0.227		-3.8	
bis(2-Chloroethoxy)methane	0.418	0.394		-5.7	
2,4-Dichlorophenol	0.289	0.273		-5.5	20.0
Naphthalene	1.057	0.980		-7.3	
4-Chloroaniline	0.358	0.341		-4.7	
Hexachlorobutadiene	0.194	0.181		-6.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.295		-4.8	20.0
2-Methylnaphthalene	0.672	0.622		-7.4	
Hexachlorocyclopentadiene	0.168	0.172	0.050	2.4	
2,4,6-Trichlorophenol	0.372	0.361		-3.0	20.0
2-Fluorobiphenyl	1.299	1.166		-10.2	
2,4,5-Trichlorophenol	0.405	0.374		-7.7	
1,1-Biphenyl	1.560	1.444		-7.4	
2-Chloronaphthalene	1.216	1.115		-8.3	
2-Nitroaniline	0.382	0.364		-4.7	
Dimethylphthalate	1.351	1.260		-6.7	
Acenaphthylene	1.702	1.594		-6.3	
2,6-Dinitrotoluene	0.314	0.293		-6.7	
3-Nitroaniline	0.307	0.296		-3.6	
Acenaphthene	1.216	1.130		-7.1	20.0
2,4-Dinitrophenol	0.146	0.139	0.050	-4.8	
4-Nitrophenol	0.225	0.221	0.050	-1.8	

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.502		-7.7	
2,4-Dinitrotoluene	0.406	0.387		-4.7	
Diethylphthalate	1.310	1.217		-7.1	
4-Chlorophenyl-phenylether	0.617	0.568		-7.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.294		-2.6	
4,6-Dinitro-2-methylphenol	0.118	0.123		4.2	
n-Nitrosodiphenylamine	0.647	0.610		-5.7	20.0
2,4,6-Tribromophenol	0.183	0.174		-4.9	
4-Bromophenyl-phenylether	0.224	0.216		-3.6	
Hexachlorobenzene	0.238	0.229		-3.8	
Atrazine	0.216	0.194		-10.2	
Pentachlorophenol	0.139	0.142		2.2	20.0
Phenanthrene	1.075	1.008		-6.2	
Anthracene	1.053	0.988		-6.2	
Carbazole	0.934	0.889		-4.8	
Di-n-butylphthalate	1.132	1.094		-3.4	
Fluoranthene	1.062	1.005		-5.4	20.0
Pyrene	1.920	1.777		-7.4	
Terphenyl-d14	1.297	1.185		-8.6	
Butylbenzylphthalate	0.671	0.641		-4.5	
3,3-Dichlorobenzidine	0.439	0.407		-7.3	
Benzo(a)anthracene	1.380	1.214		-12.0	
Chrysene	1.265	1.188		-6.1	
Bis(2-ethylhexyl)phthalate	0.851	0.798		-6.2	
Di-n-octyl phthalate	1.321	1.218		-7.8	20.0
Benzo(b)fluoranthene	1.258	1.162		-7.6	
Benzo(k)fluoranthene	1.114	1.056		-5.2	
Benzo(a)pyrene	1.063	1.010		-5.0	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.200		-7.0	
Dibenzo(a,h)anthracene	1.039	0.965		-7.1	
Benzo(g,h,i)perylene	1.080	0.995		-7.9	
1,2,4,5-Tetrachlorobenzene	0.569	0.533		-6.3	
1,4-Dioxane	0.573	0.542		-5.4	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.312		-2.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146467	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	575983	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	308835	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	511005	20.000	ng	0.00
76) Chrysene-d12	13.969	240	290304	20.000	ng	0.00
86) Perylene-d12	15.421	264	298783	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	699692	73.339	ng	0.00
7) Phenol-d6	6.428	99	905142	74.578	ng	-0.01
23) Nitrobenzene-d5	7.363	82	819573	75.011	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	214625	75.804	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1439957	71.765	ng	0.00
79) Terphenyl-d14	12.910	244	1375587	73.075	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	158660	37.813	ng	100
3) Pyridine	3.216	79	391062	38.682	ng	99
4) n-Nitrosodimethylamine	3.169	42	220937	38.256	ng	99
6) Aniline	6.463	93	407872	39.701	ng	99
8) 2-Chlorophenol	6.581	128	385660	37.714	ng	99
9) Benzaldehyde	6.345	77	249683	35.516	ng	98
10) Phenol	6.440	94	485474	37.734	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	363969	36.896	ng	100
12) 1,3-Dichlorobenzene	6.740	146	419797	37.233	ng	100
13) 1,4-Dichlorobenzene	6.816	146	419682	37.052	ng	99
14) 1,2-Dichlorobenzene	6.969	146	397745	37.501	ng	100
15) Benzyl Alcohol	6.940	79	320021	38.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	649089	37.839	ng	100
17) 2-Methylphenol	7.051	107	309553	37.247	ng	99
18) Hexachloroethane	7.310	117	156061	37.348	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	266872	37.005	ng	96
20) 3+4-Methylphenols	7.204	107	380083	37.247	ng	98
22) Acetophenone	7.210	105	500914	36.587	ng	99
24) Nitrobenzene	7.381	77	426364	37.656	ng	100
25) Isophorone	7.622	82	715169	37.866	ng	99
26) 2-Nitrophenol	7.698	139	203916	38.187	ng	99
27) 2,4-Dimethylphenol	7.734	122	261367	38.454	ng	99
28) bis(2-Chloroethoxy)met...	7.834	93	453765	37.666	ng	100
29) 2,4-Dichlorophenol	7.939	162	314718	37.822	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	351887	37.030	ng	100
31) Naphthalene	8.104	128	1129129	37.109	ng	100
32) Benzoic acid	7.845	122	242870	38.870	ng	99
33) 4-Chloroaniline	8.151	127	392735	38.063	ng	99
34) Hexachlorobutadiene	8.222	225	208442	37.404	ng	99
35) Caprolactam	8.522	113	104874	38.592	ng	96
36) 4-Chloro-3-methylphenol	8.634	107	339876	38.080	ng	98
37) 2-Methylnaphthalene	8.792	142	716771	37.063	ng	100
38) 1-Methylnaphthalene	8.892	142	705777	37.152	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	329038	37.450	ng	99
41) Hexachlorocyclopentadiene	8.945	237	106026	40.862	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	222870	38.755	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

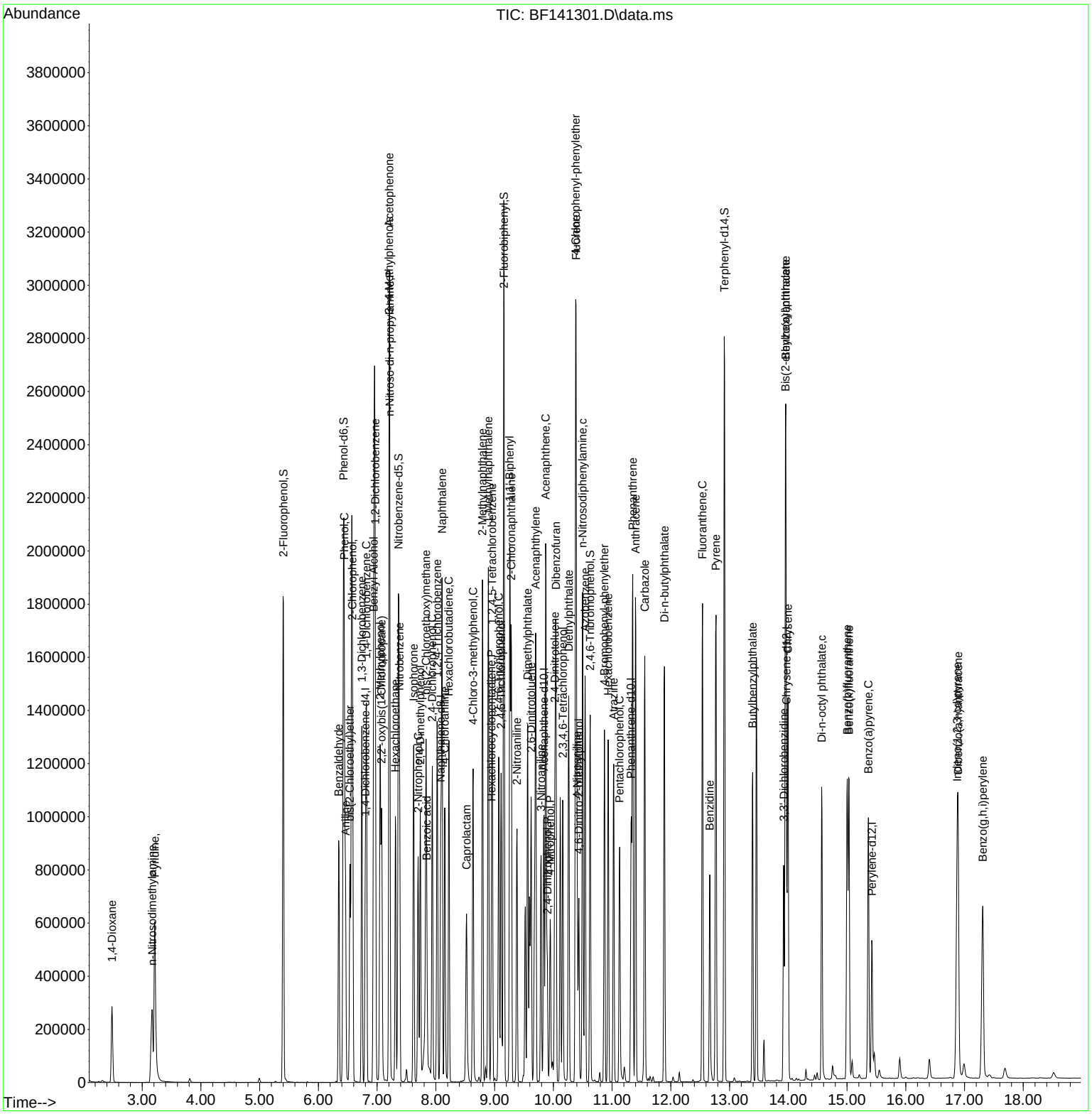
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	231078	36.919	ng	99
46) 1,1'-Biphenyl	9.257	154	892160	37.042	ng	99
47) 2-Chloronaphthalene	9.281	162	688957	36.699	ng	99
48) 2-Nitroaniline	9.381	65	225042	38.111	ng	99
49) Acenaphthylene	9.698	152	984505	37.463	ng	100
50) Dimethylphthalate	9.563	163	777984	37.298	ng	100
51) 2,6-Dinitrotoluene	9.622	165	181065	37.386	ng	99
52) Acenaphthene	9.869	154	697843	37.171	ng	99
53) 3-Nitroaniline	9.792	138	182543	38.456	ng	100
54) 2,4-Dinitrophenol	9.898	184	85734	38.081	ng	99
55) Dibenzofuran	10.045	168	927873	36.923	ng	99
56) 4-Nitrophenol	9.945	139	136436	39.302	ng	100
57) 2,4-Dinitrotoluene	10.028	165	239168	38.142	ng	99
58) Fluorene	10.386	166	710687	36.459	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	192623	39.118	ng	98
60) Diethylphthalate	10.263	149	751491	37.157	ng	100
61) 4-Chlorophenyl-phenyle...	10.381	204	351110	36.875	ng	99
62) 4-Nitroaniline	10.404	138	181893	38.976	ng	98
63) Azobenzene	10.539	77	756407	37.363	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	125435	41.499	ng	99
66) n-Nitrosodiphenylamine	10.498	169	623386	37.717	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	220361	38.519	ng	99
68) Hexachlorobenzene	10.933	284	234276	38.606	ng	100
69) Atrazine	11.028	200	198524	35.925	ng	98
70) Pentachlorophenol	11.128	266	145156	40.848	ng	99
71) Phenanthrene	11.351	178	1029763	37.489	ng	100
72) Anthracene	11.398	178	1009748	37.517	ng	100
73) Carbazole	11.557	167	908313	38.060	ng	99
74) Di-n-butylphthalate	11.892	149	1117730	38.646	ng	100
75) Fluoranthene	12.539	202	1026756	37.857	ng	100
77) Benzidine	12.663	184	424599	45.623	ng	99
78) Pyrene	12.769	202	1031587	37.019	ng	99
80) Butylbenzylphthalate	13.392	149	372260	38.238	ng	99
81) Benzo(a)anthracene	13.957	228	704605	35.173	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	236068	37.051	ng	99
83) Chrysene	13.992	228	689916	37.578	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	463244	37.511	ng	100
85) Di-n-octyl phthalate	14.568	149	706897	36.853	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	717281	37.195	ng	100
88) Benzo(b)fluoranthene	15.004	252	694461	36.951	ng	100
89) Benzo(k)fluoranthene	15.033	252	630825	37.889	ng	100
90) Benzo(a)pyrene	15.363	252	603540	38.001	ng	100
91) Dibenzo(a,h)anthracene	16.892	278	576450	37.155	ng	100
92) Benzo(g,h,i)perylene	17.309	276	594713	36.865	ng	99

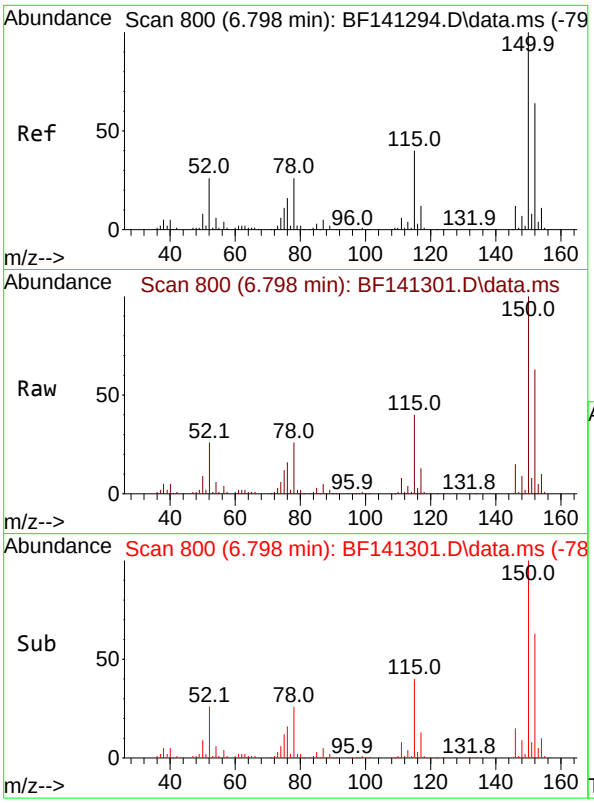
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



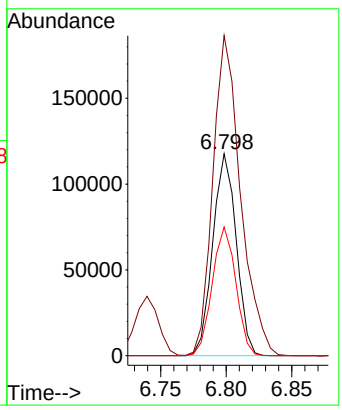


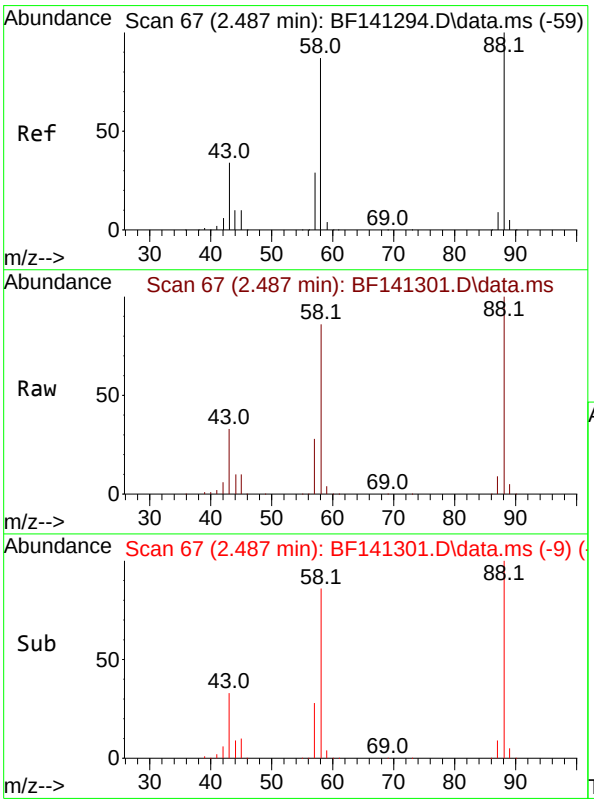
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 146467

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	63.7	49.7	74.5

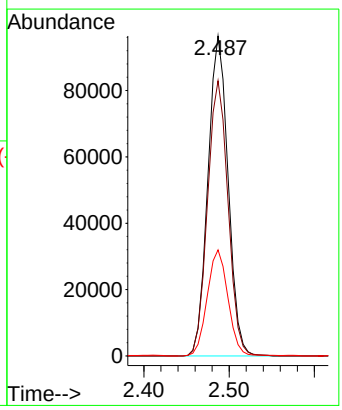


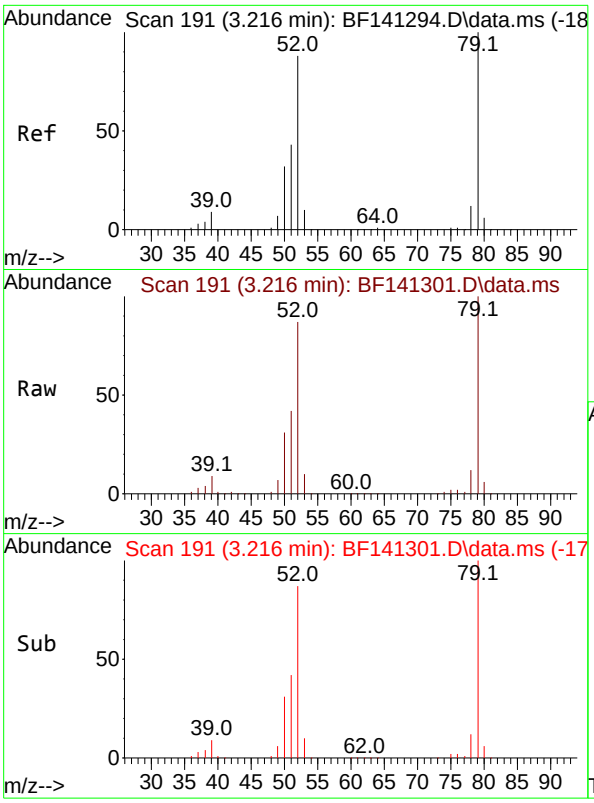


#2
1,4-Dioxane
Concen: 37.813 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 88 Resp: 158660

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	34.2	27.6	41.4



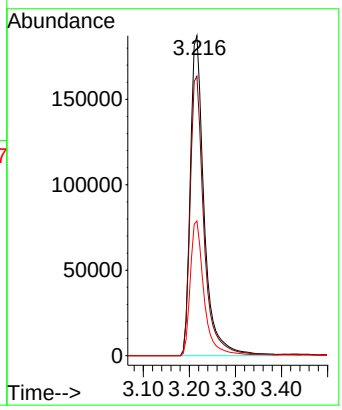


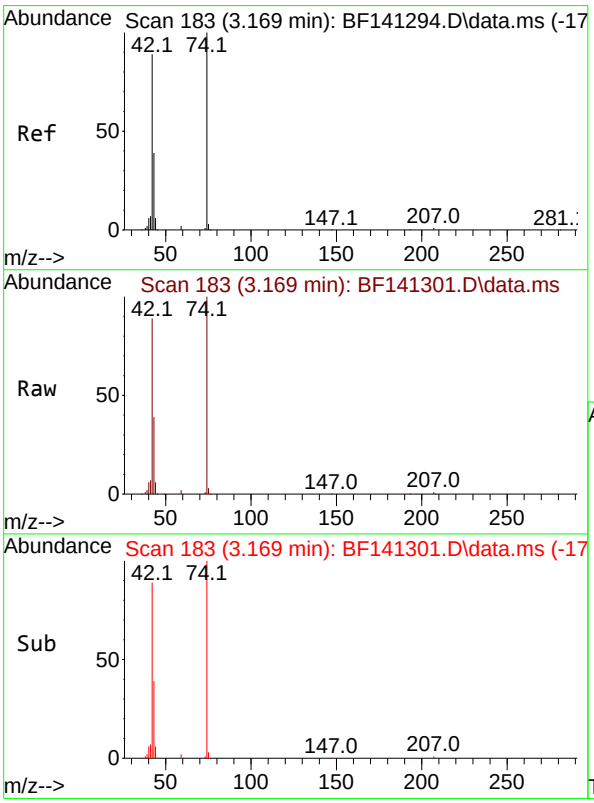
#3
Pyridine
Concen: 38.682 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 391062

Ion	Ratio	Lower	Upper
79	100		
52	87.3	70.3	105.5
51	42.1	34.3	51.5

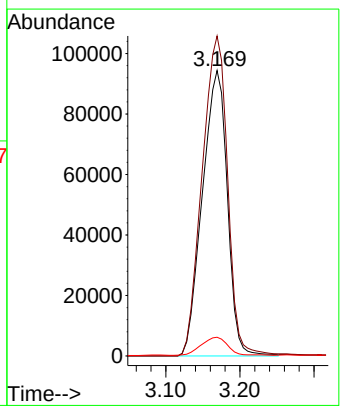


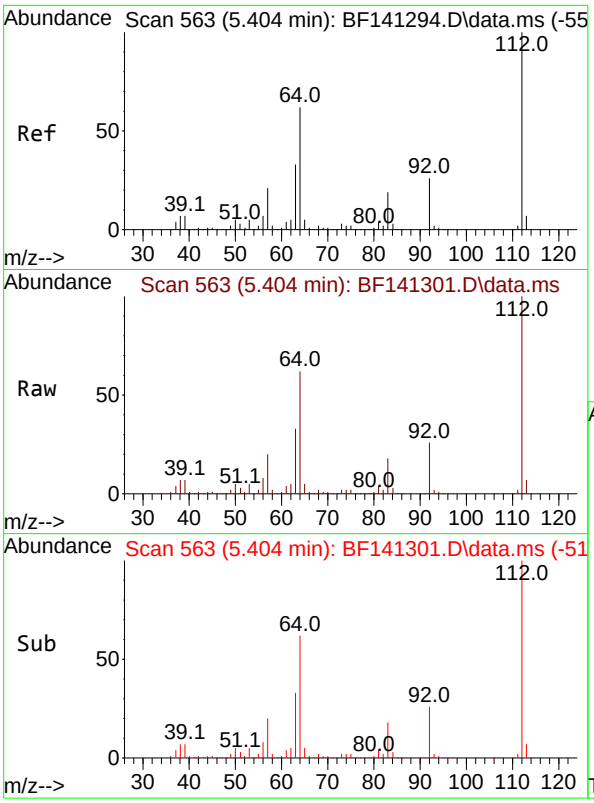


#4
n-Nitrosodimethylamine
Concen: 38.256 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 42 Resp: 220937

Ion	Ratio	Lower	Upper
42	100		
74	112.1	90.3	135.5
44	6.6	5.7	8.5



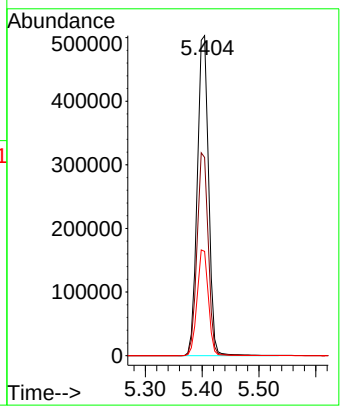


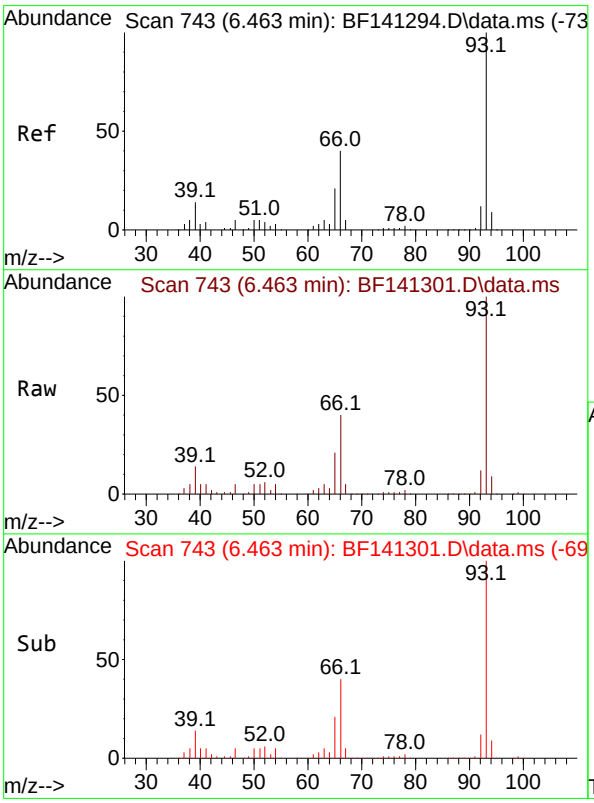
#5
2-Fluorophenol
Concen: 73.339 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 699692

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	32.6	26.1	39.1

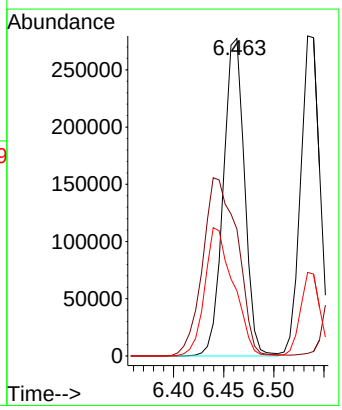


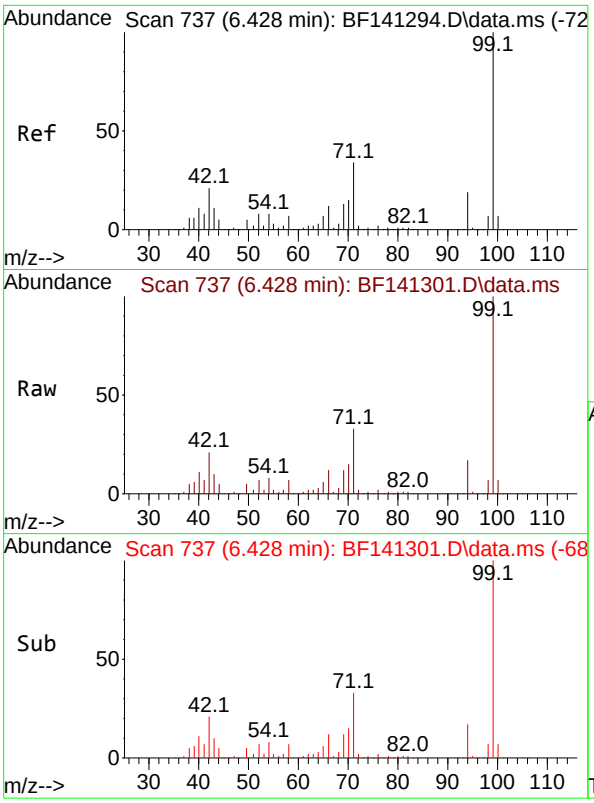


#6
Aniline
Concen: 39.701 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 93 Resp: 407872

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.5	48.7
65	20.5	17.0	25.6



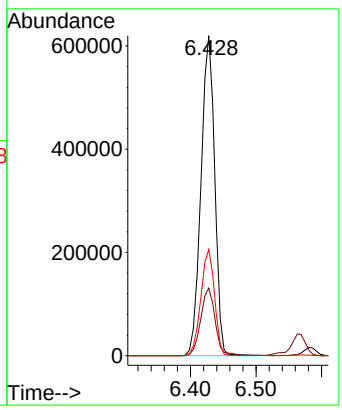


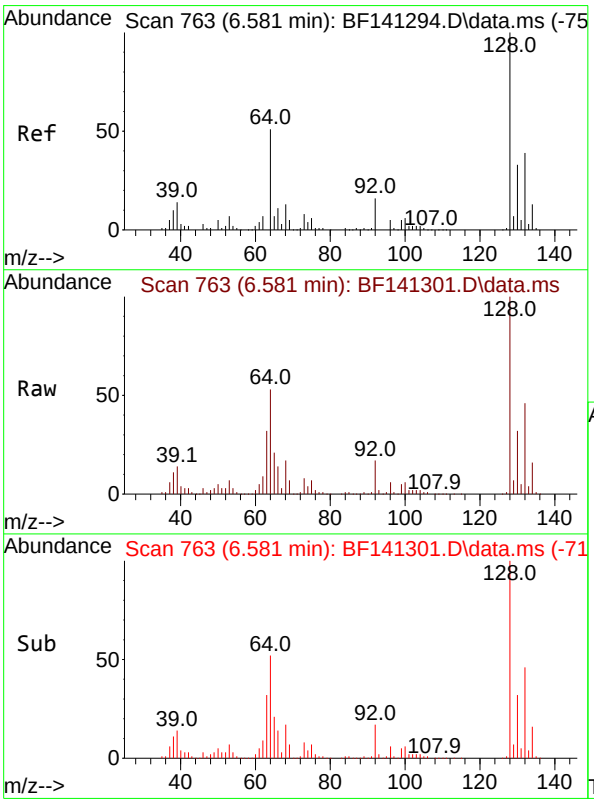
#7
Phenol-d6
Concen: 74.578 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 905142

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	33.2	26.9	40.3

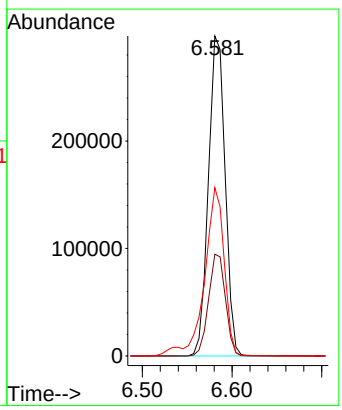


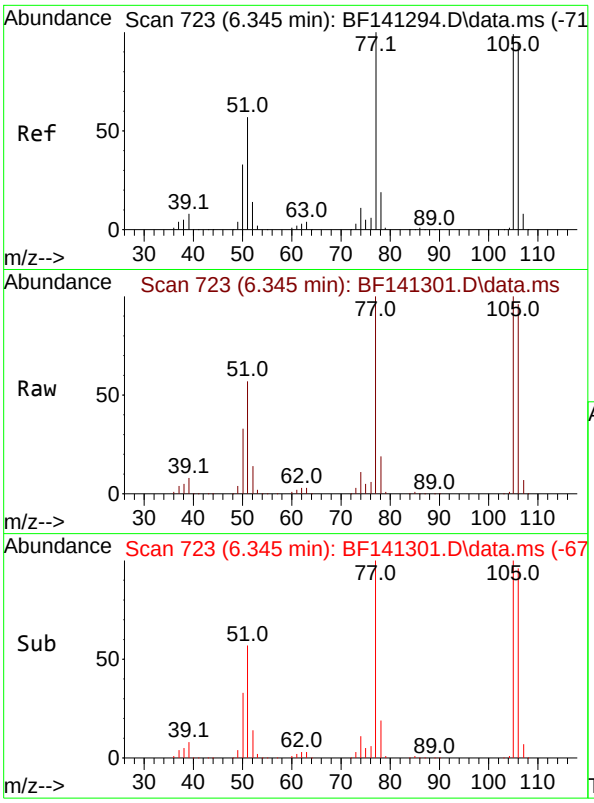


#8
2-Chlorophenol
Concen: 37.714 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:128 Resp: 385660

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	52.6	32.9	72.9



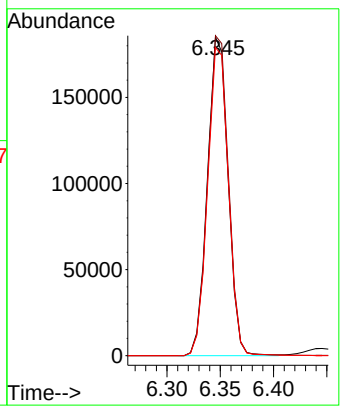


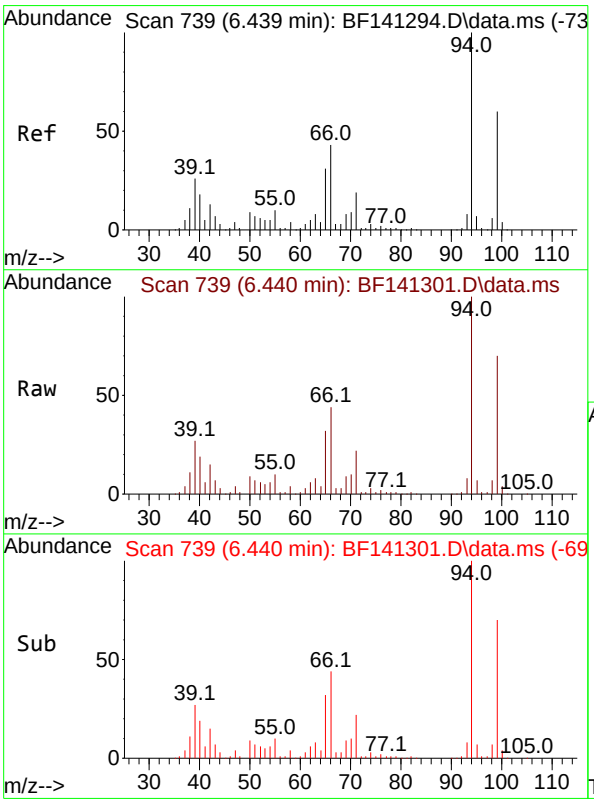
#9
Benzaldehyde
Concen: 35.516 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 249683

Ion	Ratio	Lower	Upper
77	100		
105	100.4	79.4	119.4
106	96.7	74.6	114.6

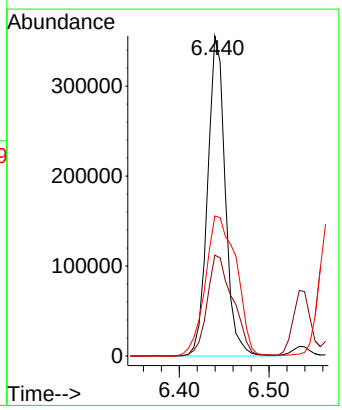


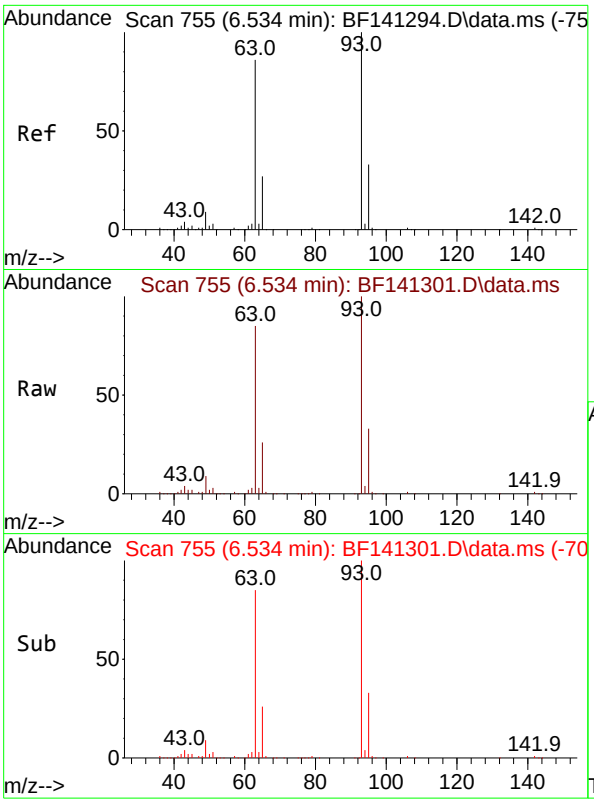


#10
Phenol
Concen: 37.734 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 94 Resp: 485474

Ion	Ratio	Lower	Upper
94	100		
65	31.5	10.8	50.8
66	43.8	23.3	63.3



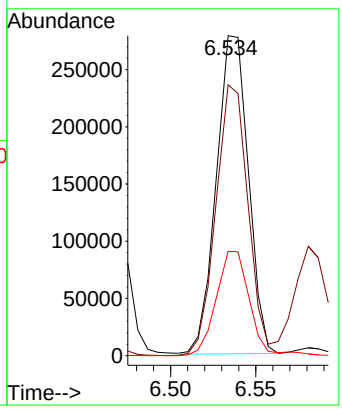


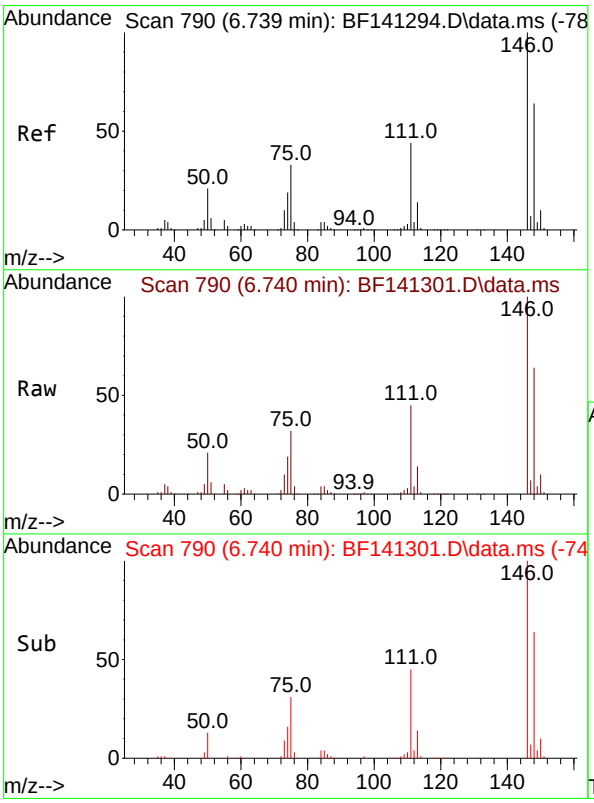
#11
bis(2-Chloroethyl)ether
Concen: 36.896 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 363969

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.6	12.4	52.4

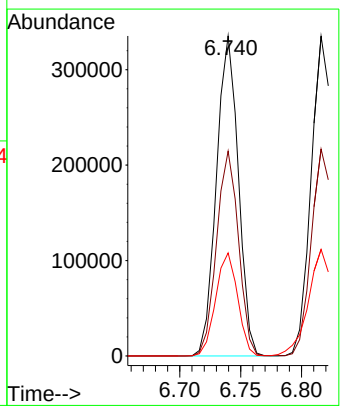


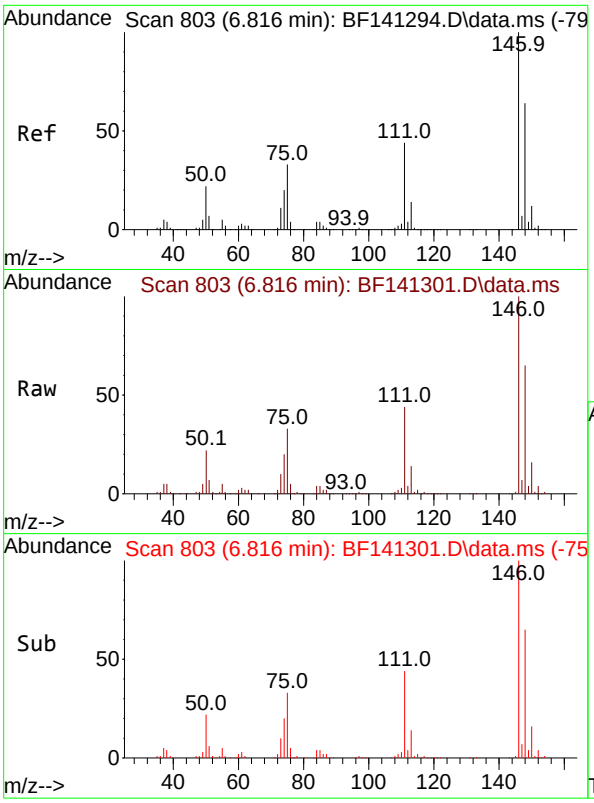


#12
1,3-Dichlorobenzene
Concen: 37.233 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:146 Resp: 419797

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.2	26.2	39.4



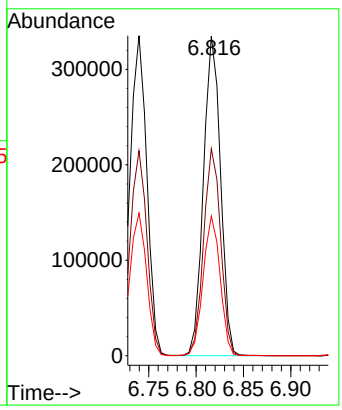


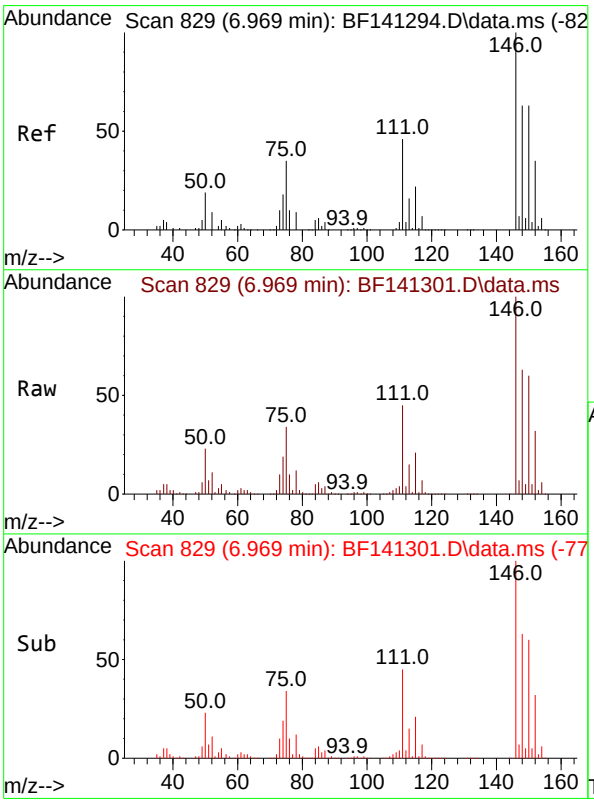
#13
1,4-Dichlorobenzene
Concen: 37.052 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 419682

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
111	43.6	35.0	52.4

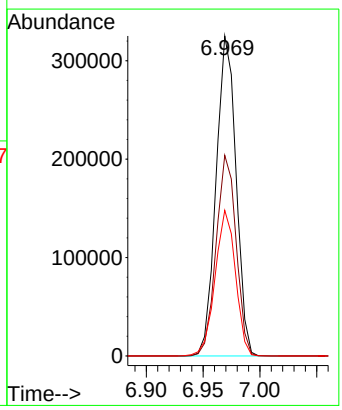


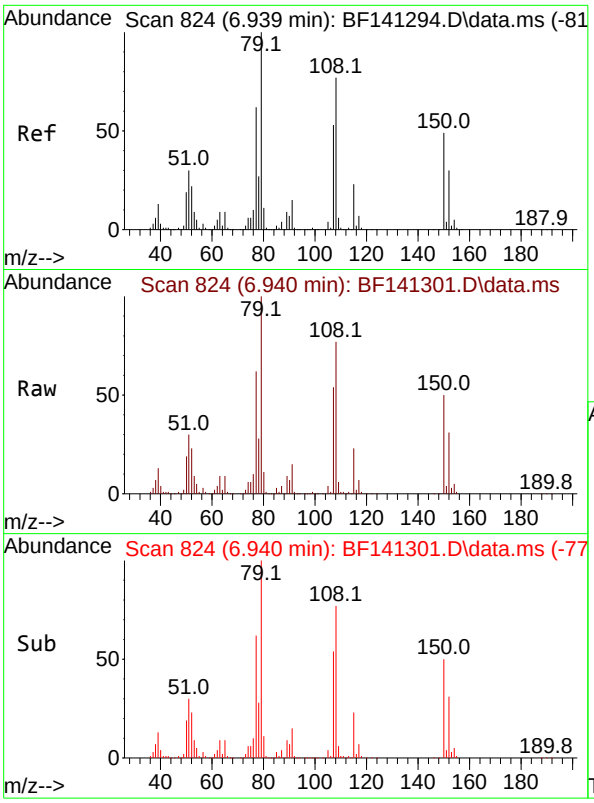


#14
1,2-Dichlorobenzene
Concen: 37.501 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:146 Resp: 397745

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
111	45.5	36.6	55.0



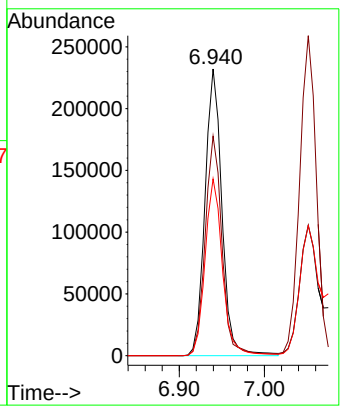


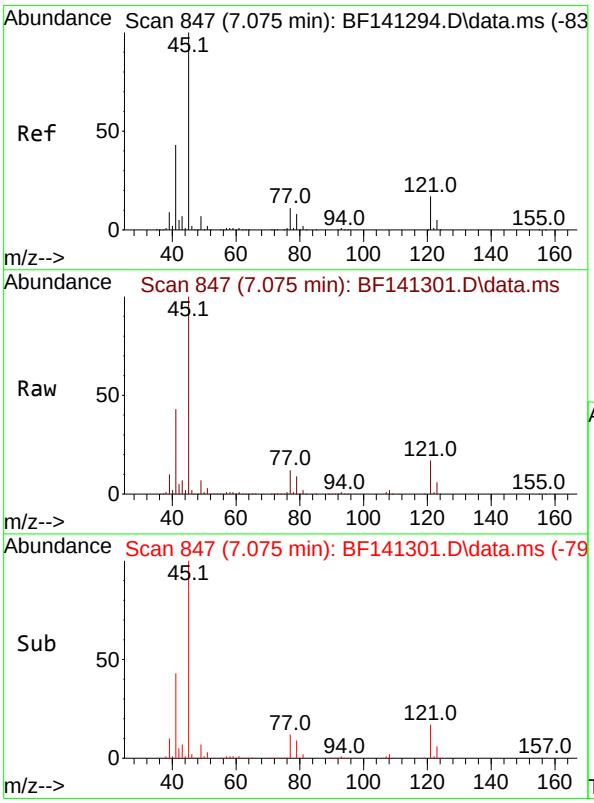
#15
Benzyl Alcohol
Concen: 38.584 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 320021

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.4	92.0
77	61.7	49.9	74.9

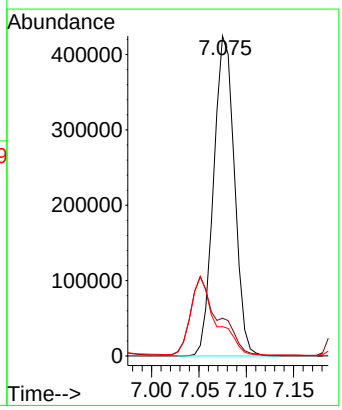


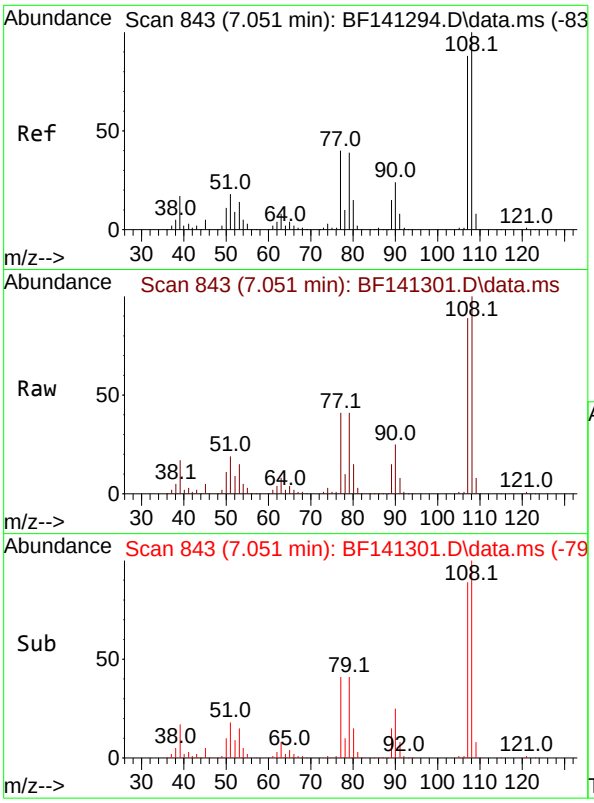


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.839 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 45 Resp: 649089

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.2	0.0	29.1



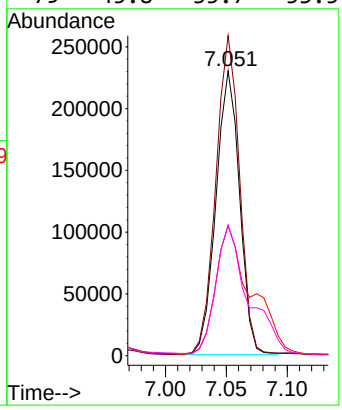


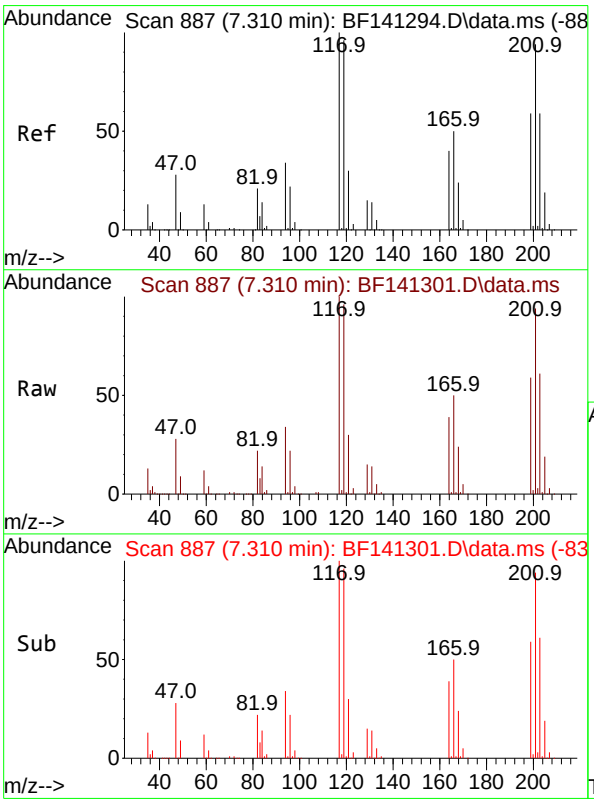
#17
2-Methylphenol
Concen: 37.247 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 309553

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.8	136.2
77	45.7	36.2	54.4
79	45.8	35.7	53.5

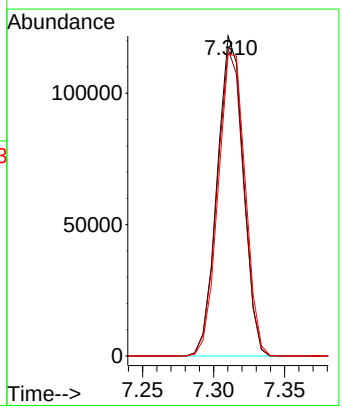


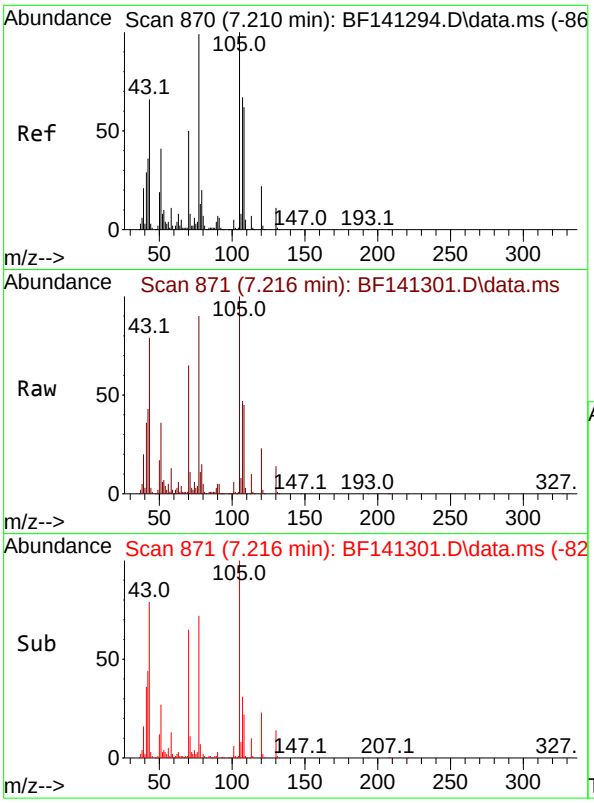


#18
Hexachloroethane
Concen: 37.348 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:117 Resp: 156061

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	94.5	74.8	112.2



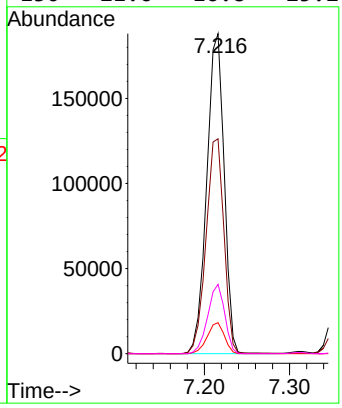


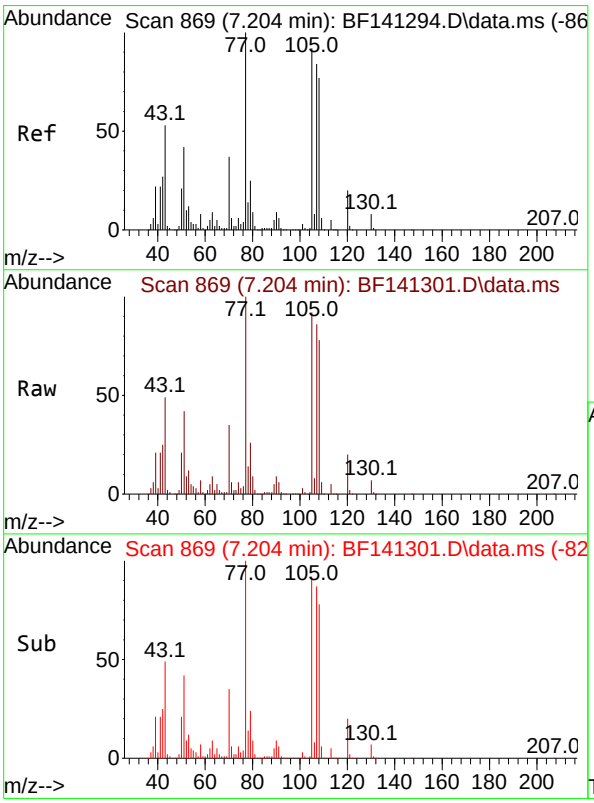
#19
n-Nitroso-di-n-propylamine
Concen: 37.005 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 266872

Ion	Ratio	Lower	Upper
70	100		
42	67.1	56.8	85.2
101	9.7	7.7	11.5
130	21.6	16.8	25.2

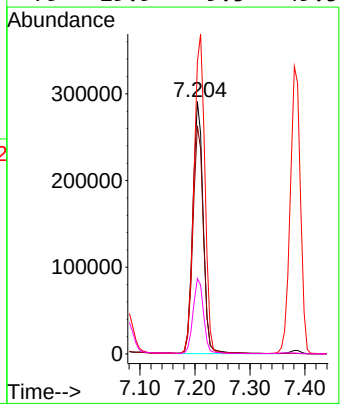


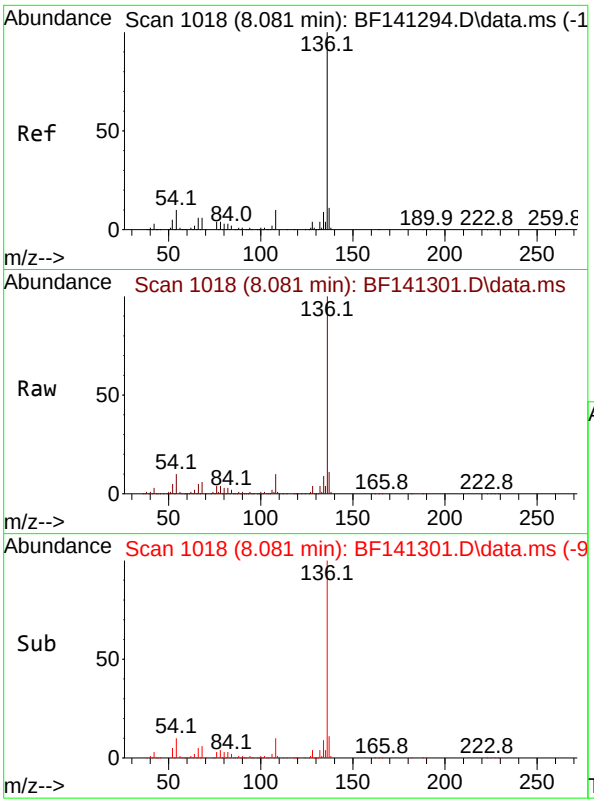


#20
3+4-Methylphenols
Concen: 37.247 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:107 Resp: 380083

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.9	110.9
77	115.7	98.5	138.5
79	29.9	9.5	49.5



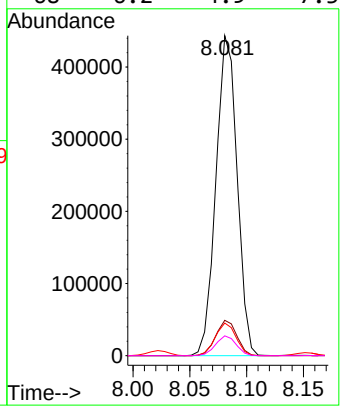


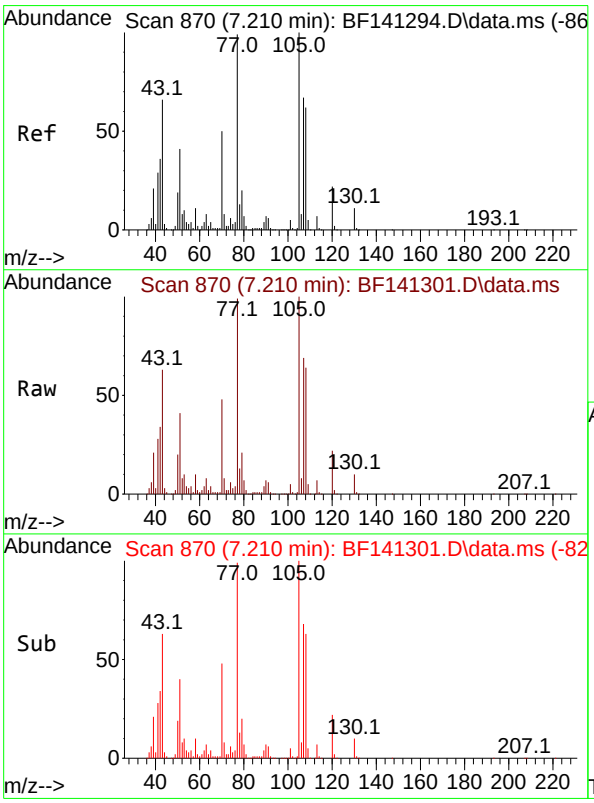
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 575983

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.2	7.8	11.8
68	6.2	4.9	7.3

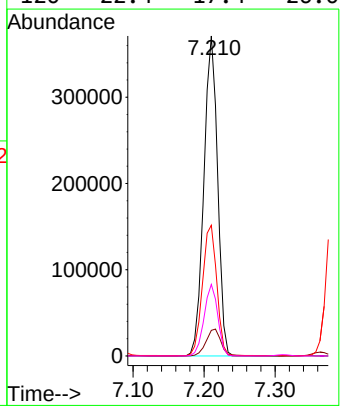


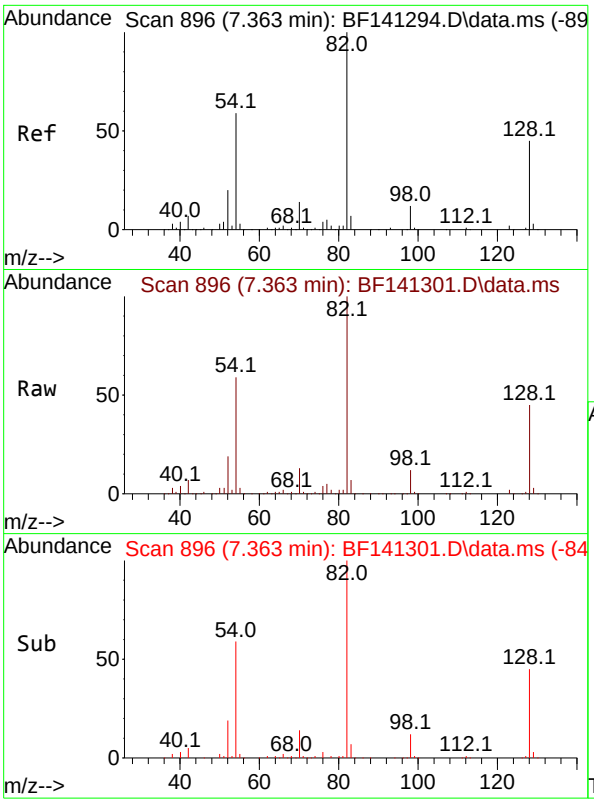


#22
Acetophenone
Concen: 36.587 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:105 Resp: 500914

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.8	10.2
51	40.8	32.6	49.0
120	22.4	17.4	26.0



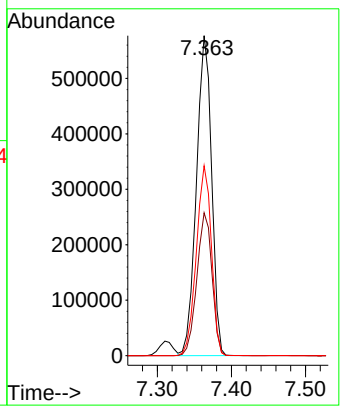


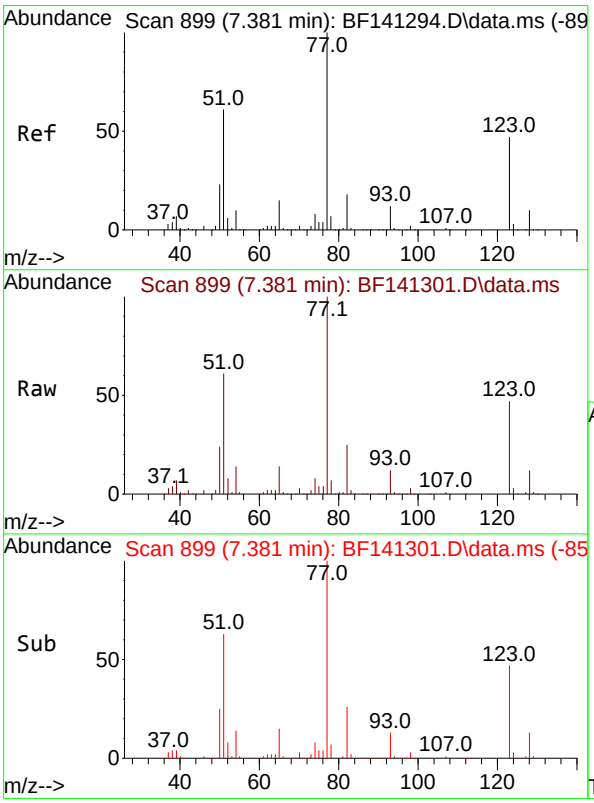
#23
Nitrobenzene-d5
Concen: 75.011 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 819573

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	59.3	47.1	70.7

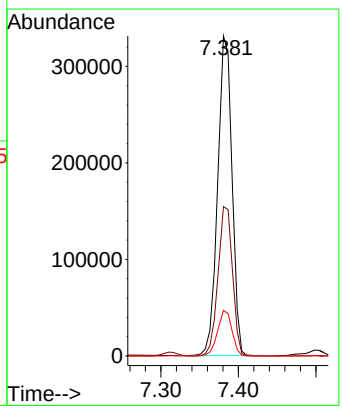


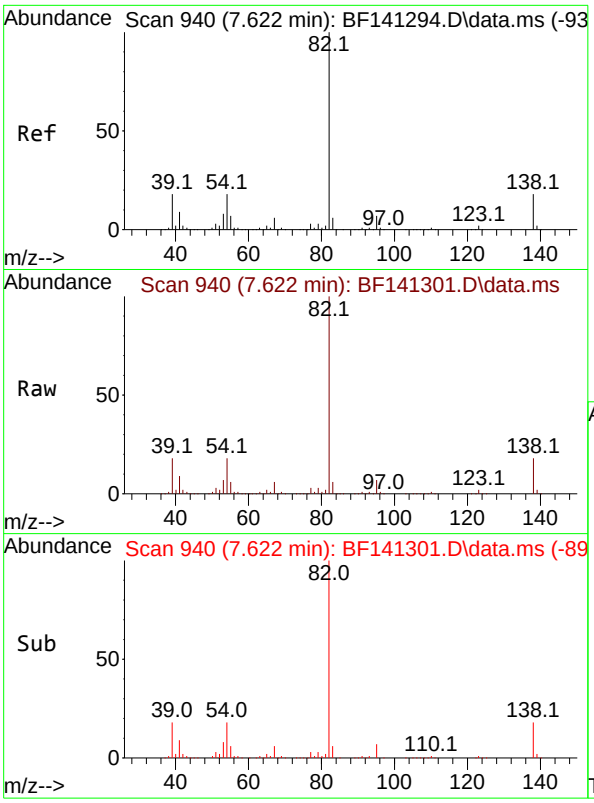


#24
Nitrobenzene
Concen: 37.656 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 77 Resp: 426364

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	14.2	11.8	17.6



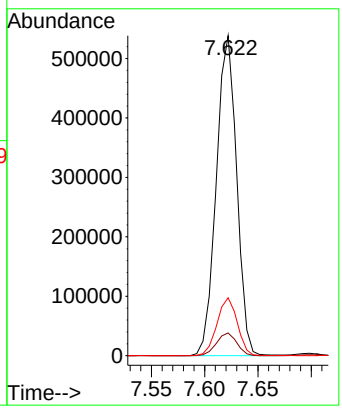


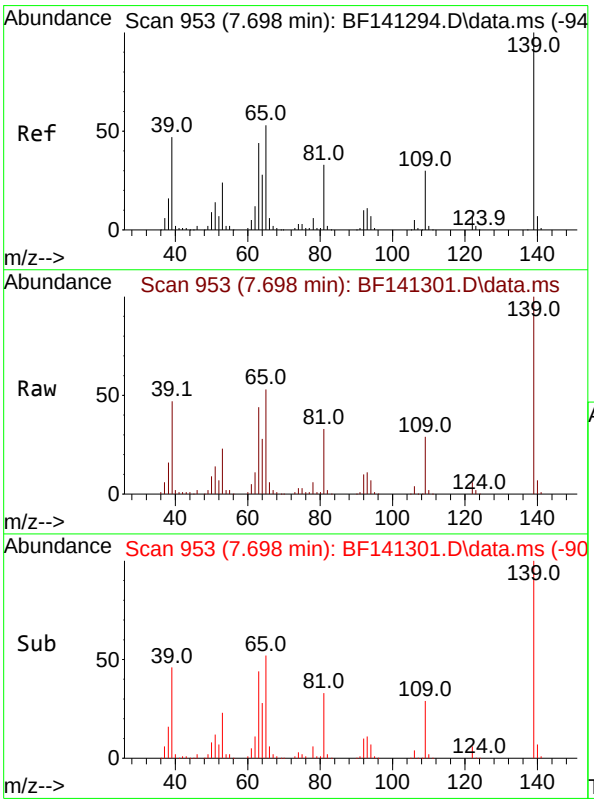
#25
Isophorone
Concen: 37.866 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 715169

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.1	14.7	22.1

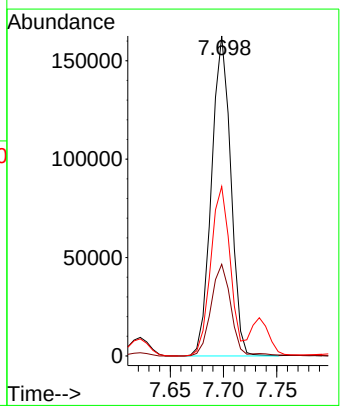


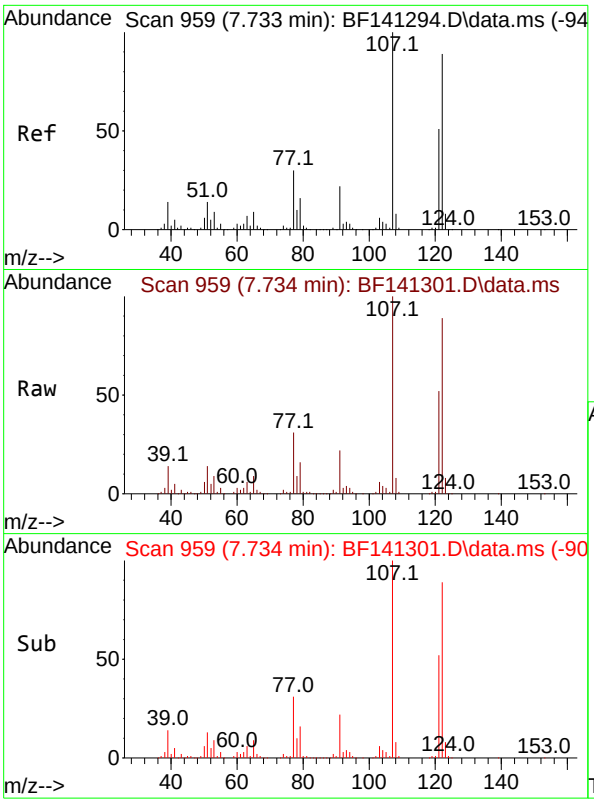


#26
2-Nitrophenol
Concen: 38.187 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:139 Resp: 203916

Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.8	35.6
65	52.9	42.2	63.4



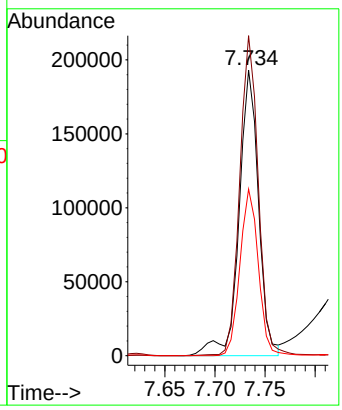


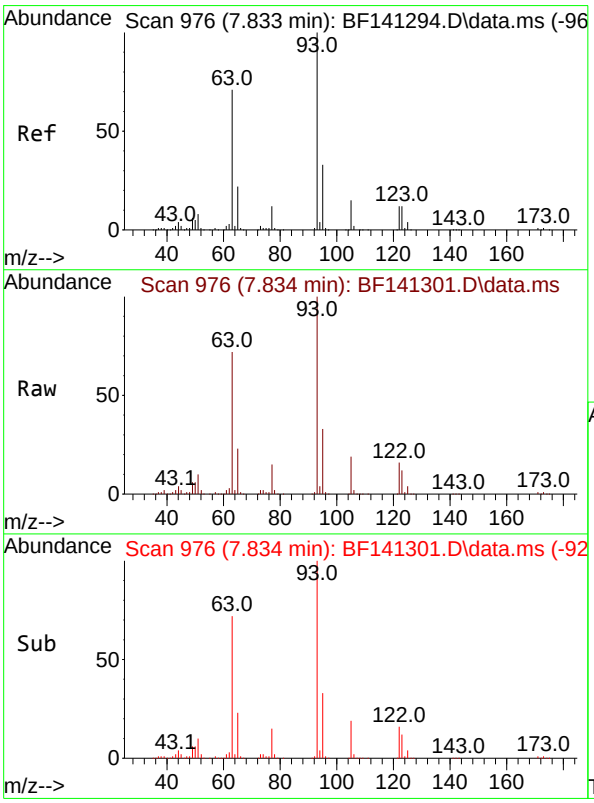
#27
2,4-Dimethylphenol
Concen: 38.454 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 261367

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1

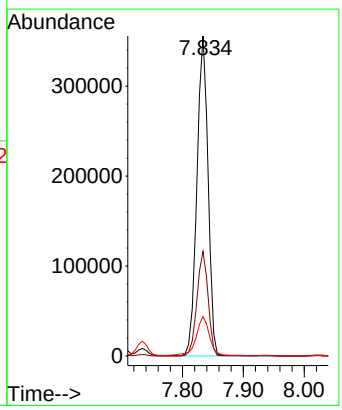


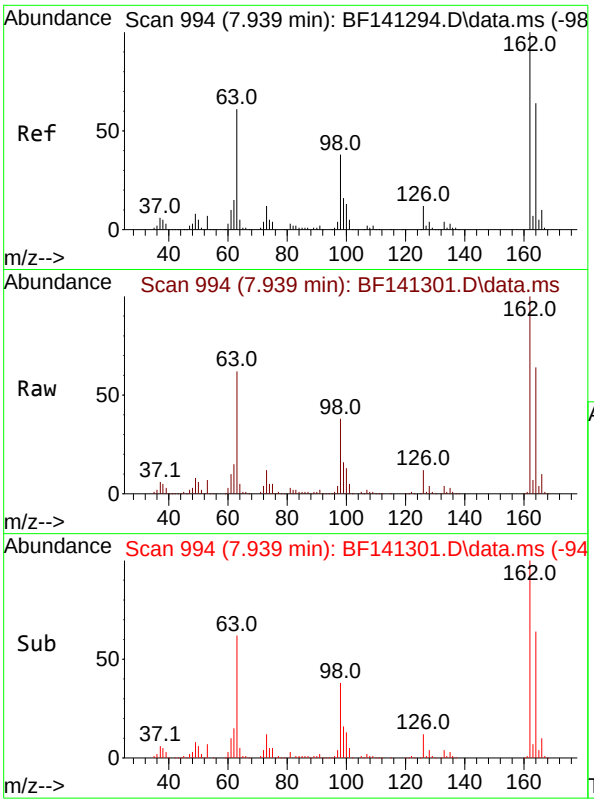


#28
bis(2-Chloroethoxy)methane
Concen: 37.666 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 93 Resp: 453765

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.3	10.2	15.4



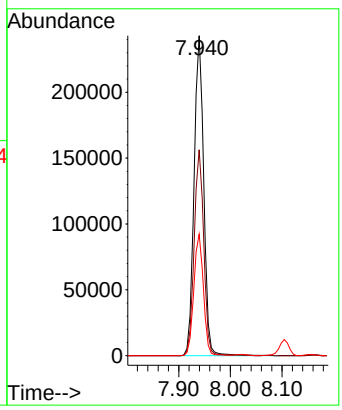


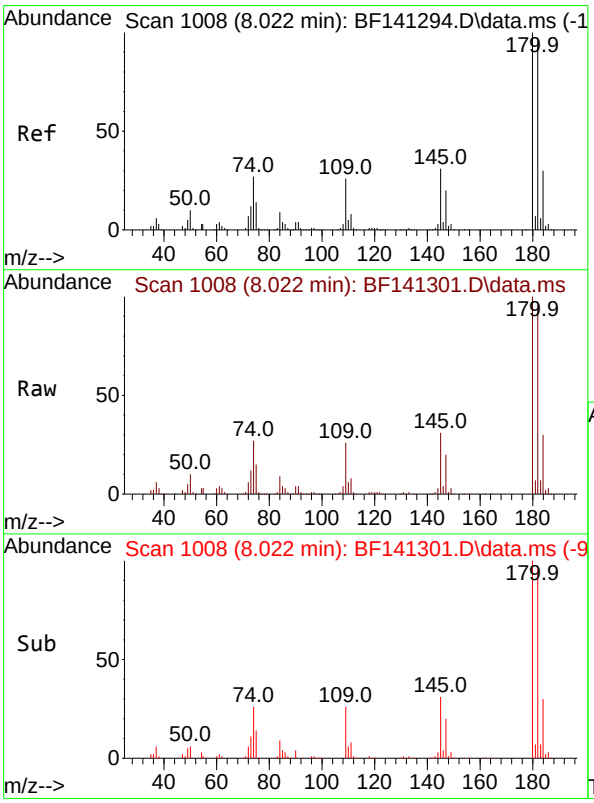
#29
2,4-Dichlorophenol
Concen: 37.822 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 314718

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.2	84.2
98	37.9	18.2	58.2

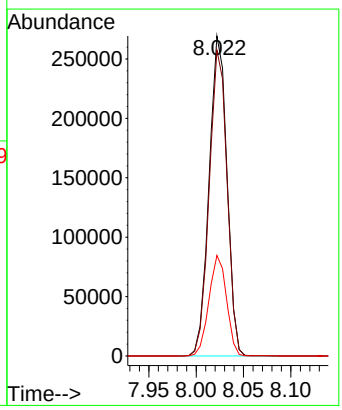


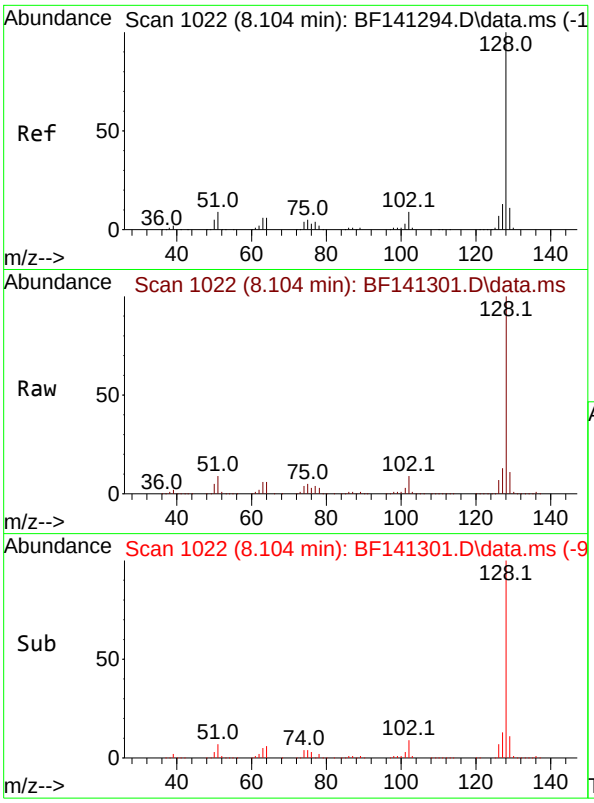


#30
1,2,4-Trichlorobenzene
Concen: 37.030 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:180 Resp: 351887

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.4	24.9	37.3



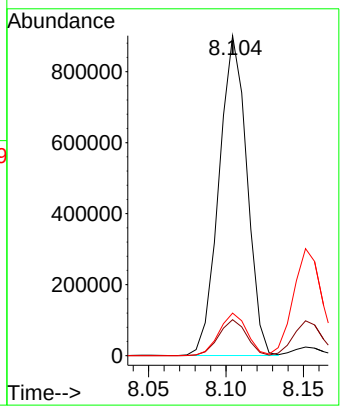


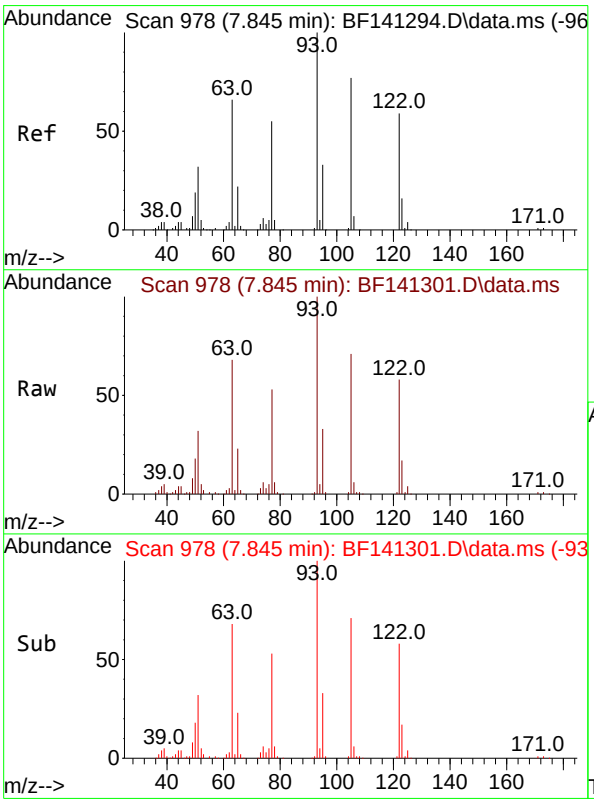
#31
Naphthalene
Concen: 37.109 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1129129

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	15.8

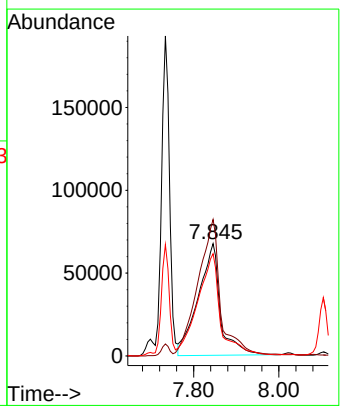


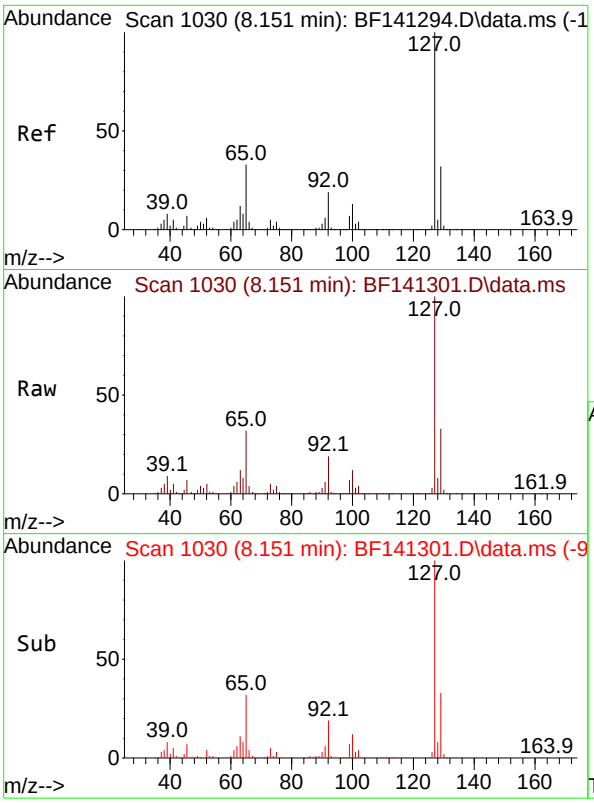


#32
Benzoic acid
Concen: 38.870 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:122 Resp: 242870

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.4	143.4
77	91.1	70.9	110.9



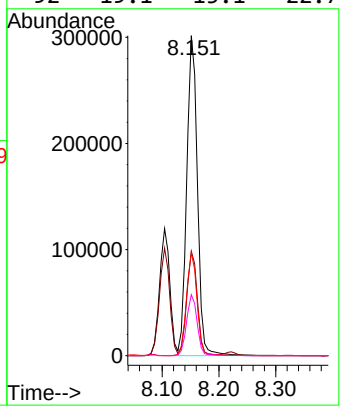


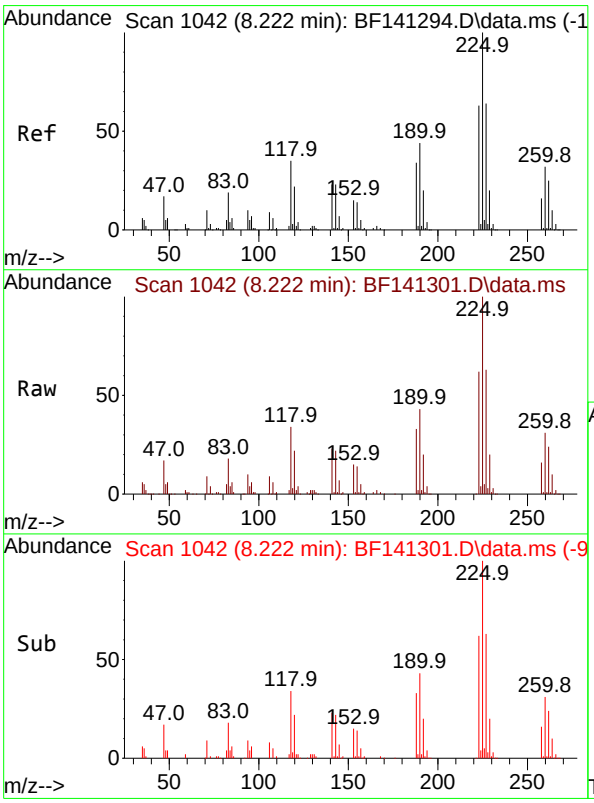
#33
4-Chloroaniline
Concen: 38.063 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 392735

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	32.2	26.4	39.6
92	19.1	15.1	22.7

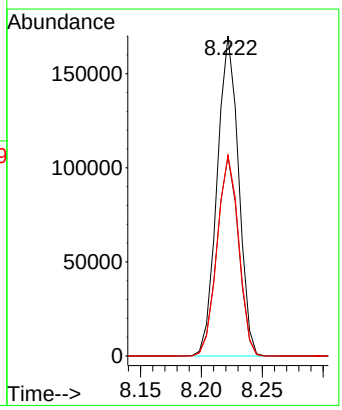


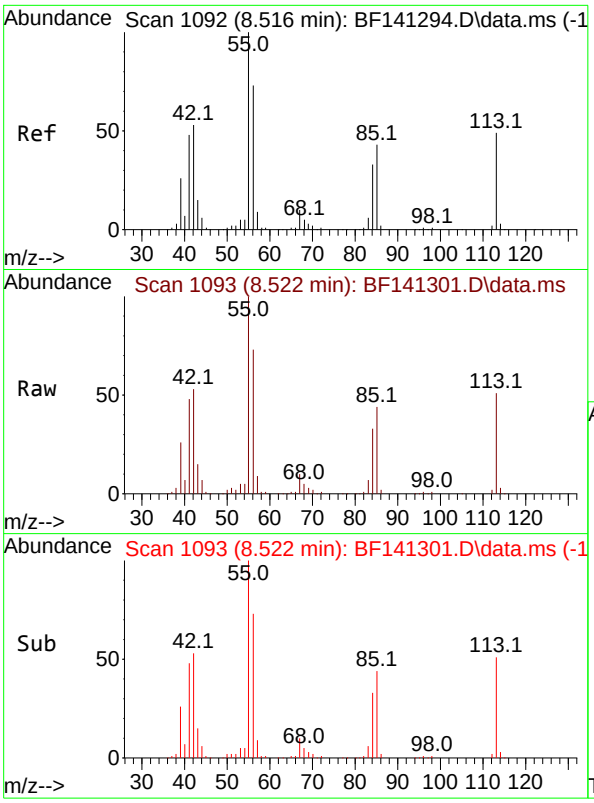


#34
Hexachlorobutadiene
Concen: 37.404 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:225 Resp: 208442

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.4	75.6
227	62.7	51.3	76.9



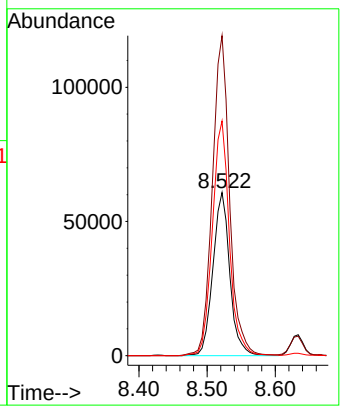


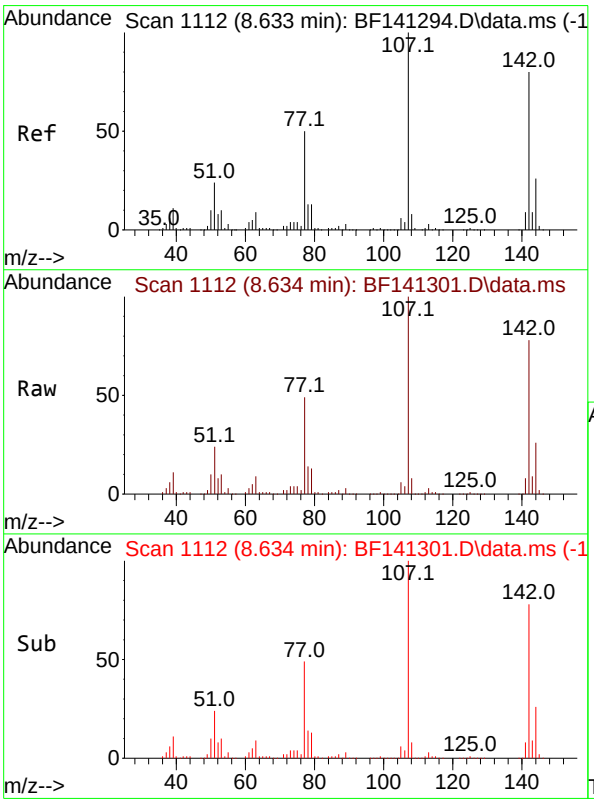
#35
Caprolactam
Concen: 38.592 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 104874

Ion	Ratio	Lower	Upper
113	100		
55	196.0	182.9	222.9
56	143.8	127.9	167.9

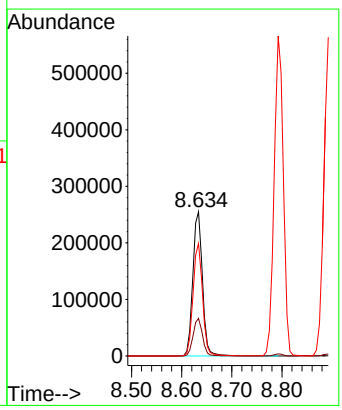


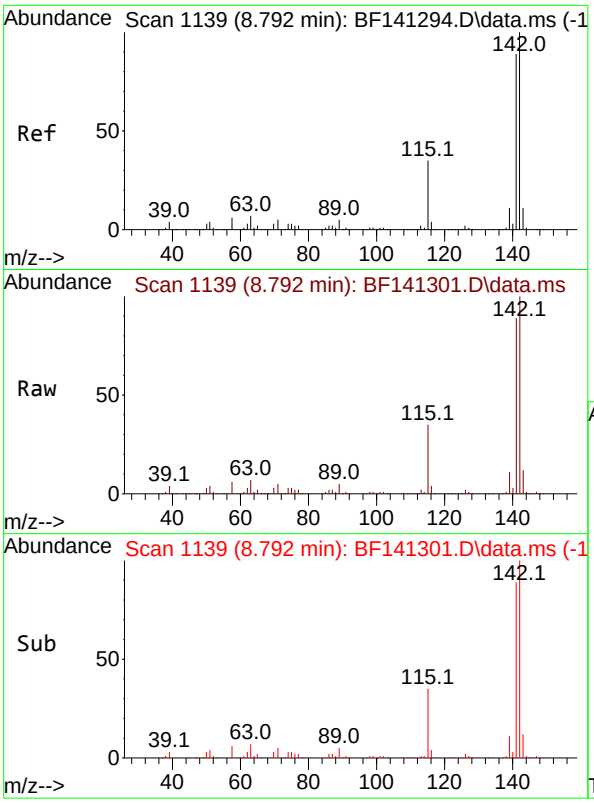


#36
4-Chloro-3-methylphenol
Concen: 38.080 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:107 Resp: 339876

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.7	31.1
142	78.0	63.8	95.8



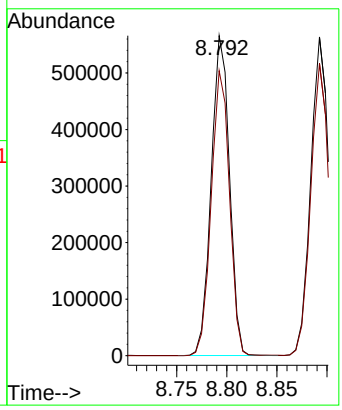


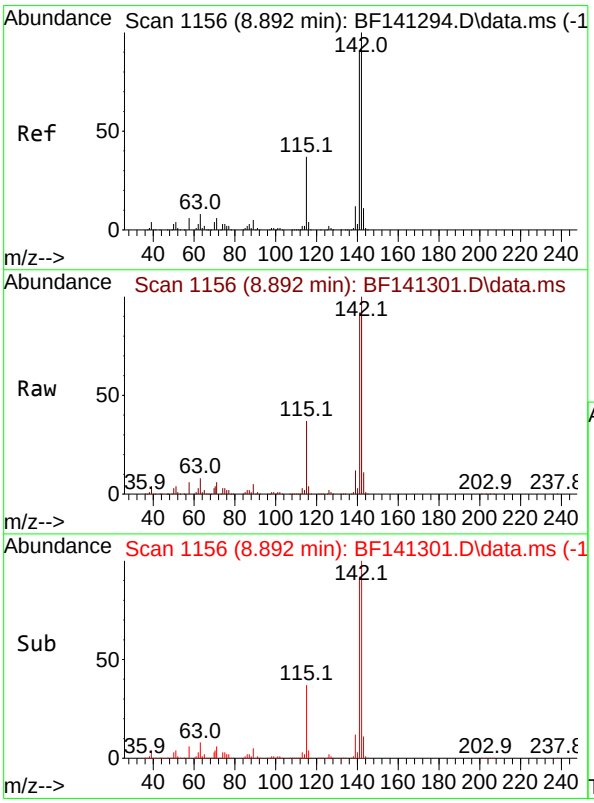
#37
2-Methylnaphthalene
Concen: 37.063 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 716771

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

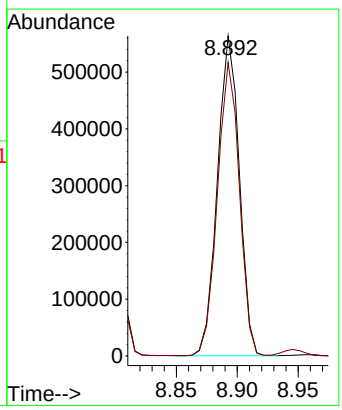


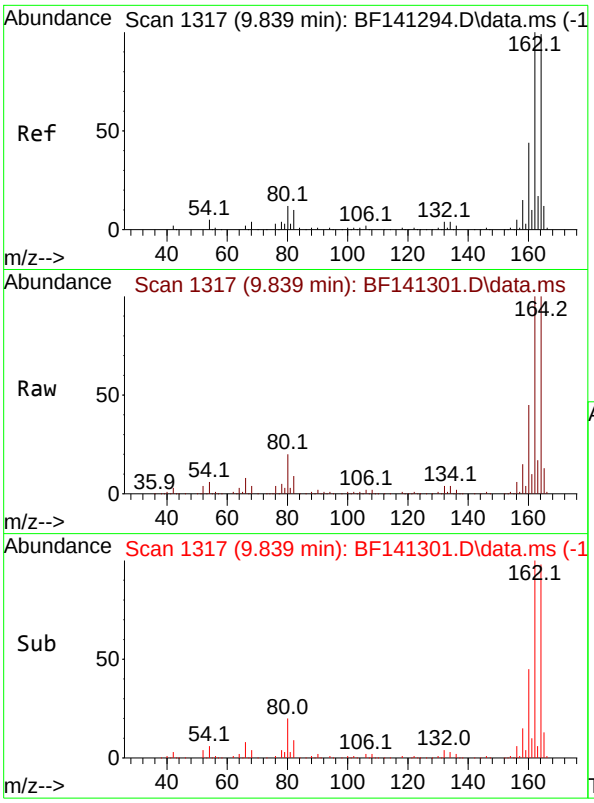


#38
1-Methylnaphthalene
Concen: 37.152 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:142 Resp: 705777

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8



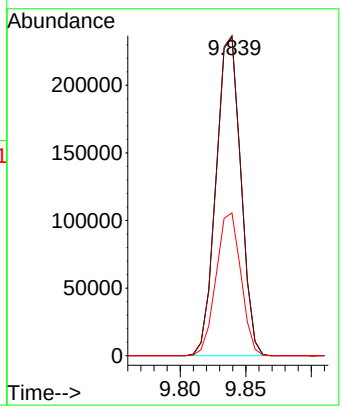


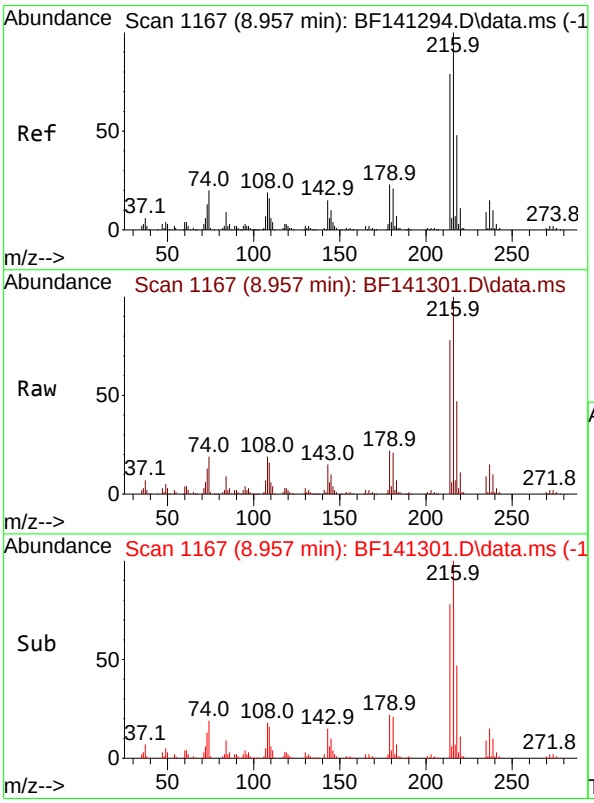
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 308835

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.7	35.8	53.6

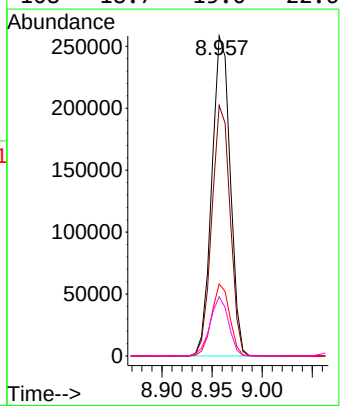


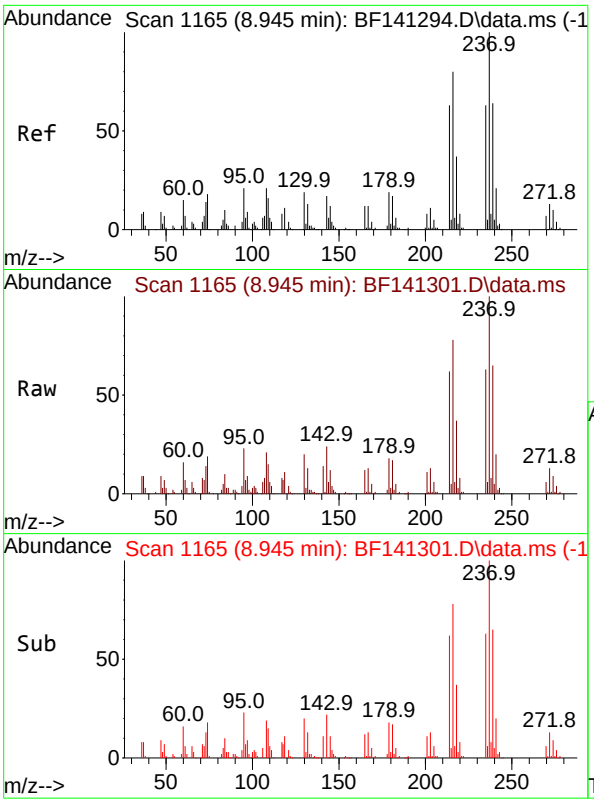


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.450 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:216 Resp: 329038

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	22.1	17.8	26.8
108	18.7	15.0	22.6



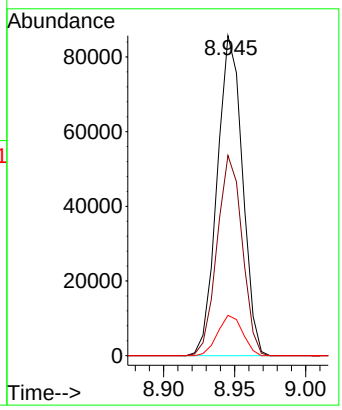


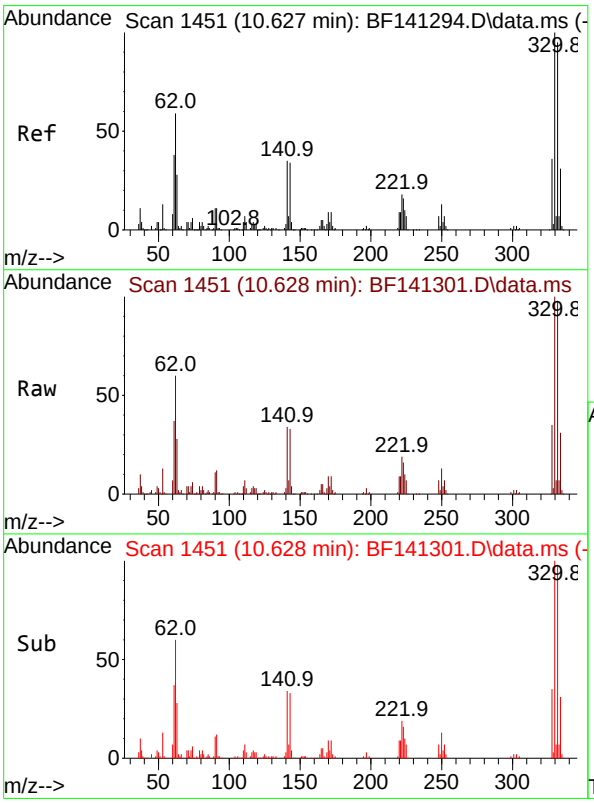
#41
Hexachlorocyclopentadiene
Concen: 40.862 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 106026

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.9	82.9
272	12.6	0.0	32.8

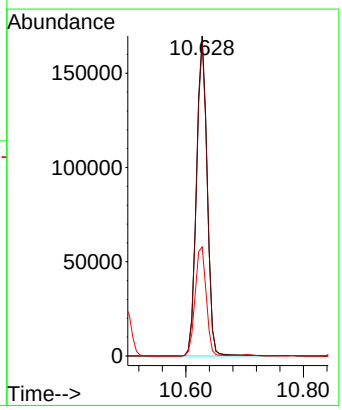


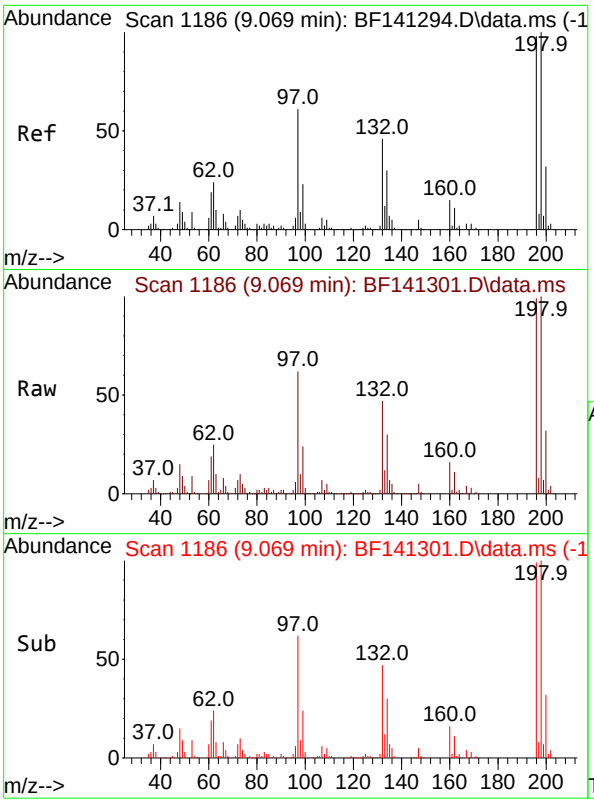


#42
2,4,6-Tribromophenol
Concen: 75.804 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:330 Resp: 214625

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.1	114.1
141	35.4	28.8	43.2



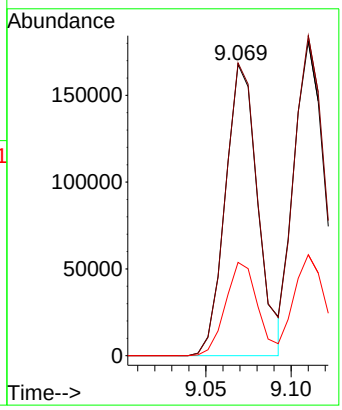


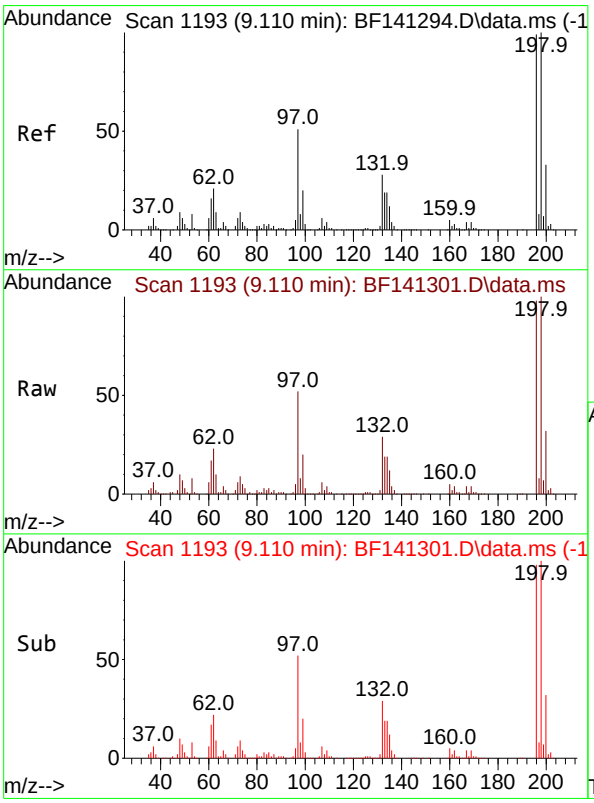
#43
2,4,6-Trichlorophenol
Concen: 38.755 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 222870

Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.0	26.3	39.5

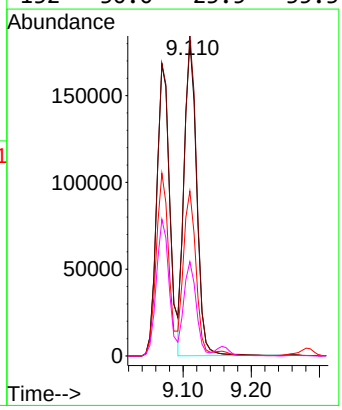


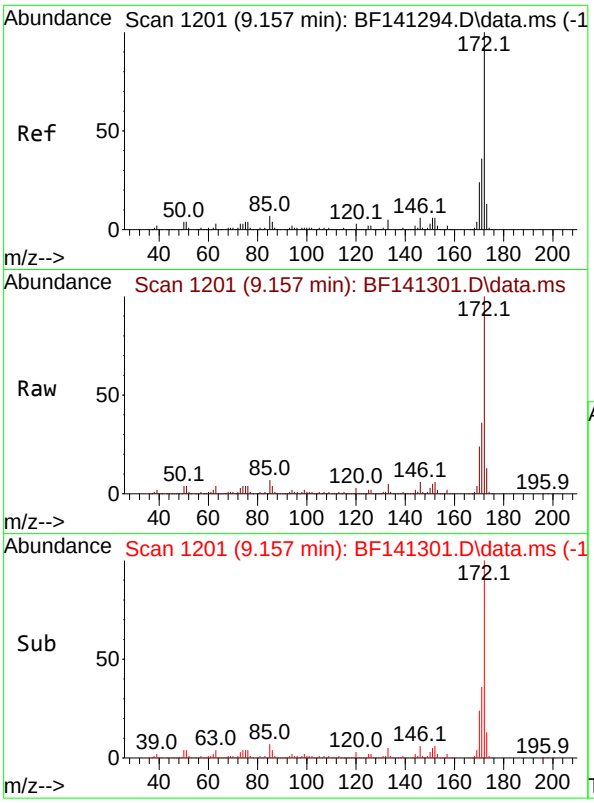


#44
2,4,5-Trichlorophenol
Concen: 36.919 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:196 Resp: 231078

Ion	Ratio	Lower	Upper
196	100		
198	101.8	80.5	120.7
97	52.4	42.8	64.2
132	30.0	23.5	35.3



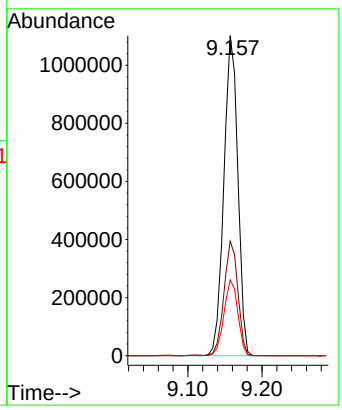


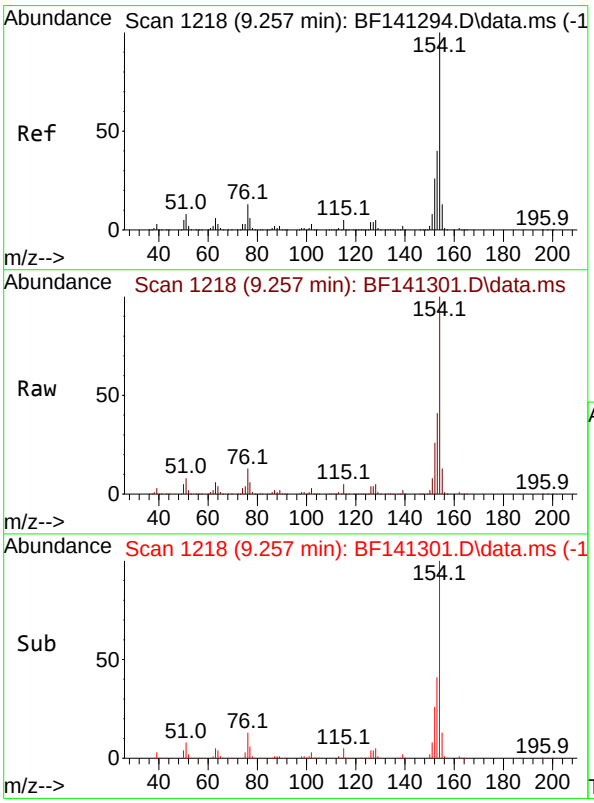
#45
2-Fluorobiphenyl
Concen: 71.765 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1439957

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.7	19.0	28.6

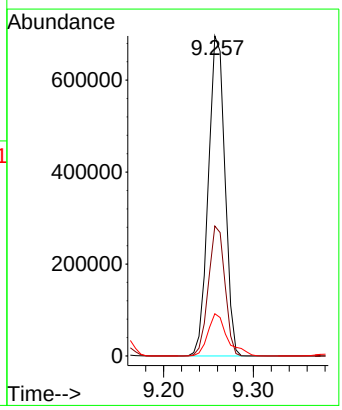


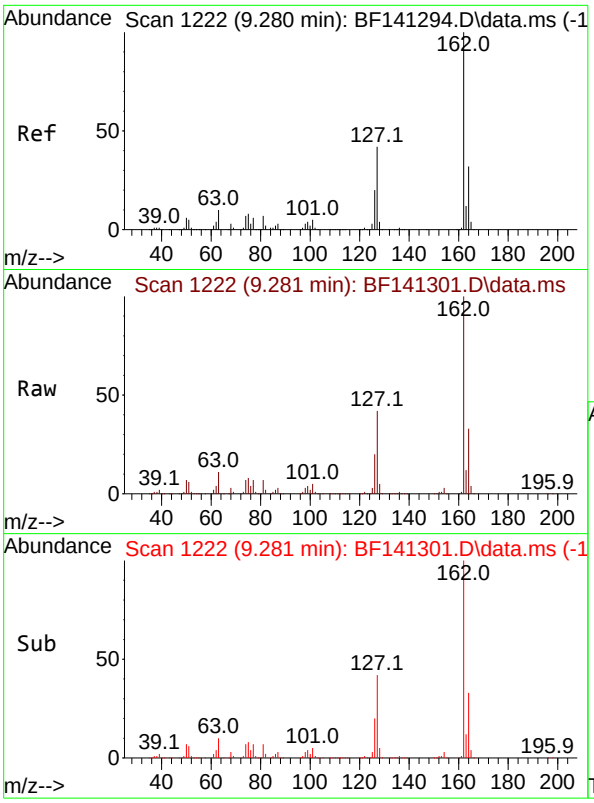


#46
1,1'-Biphenyl
Concen: 37.042 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:154 Resp: 892160

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8



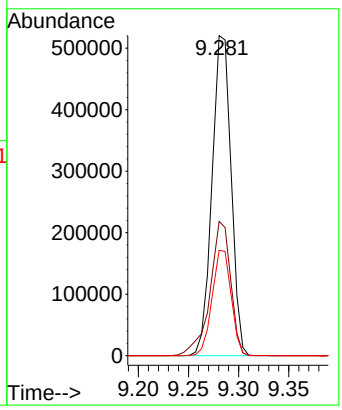


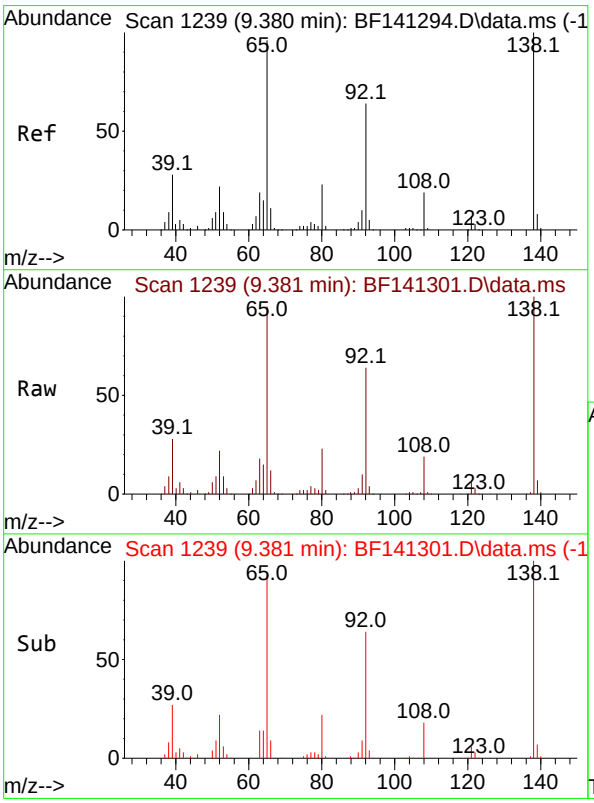
#47
2-Chloronaphthalene
Concen: 36.699 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 688957

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.7	50.5
164	33.0	25.9	38.9

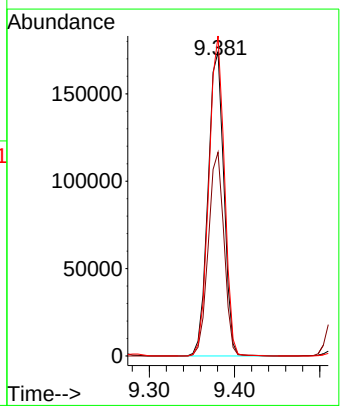


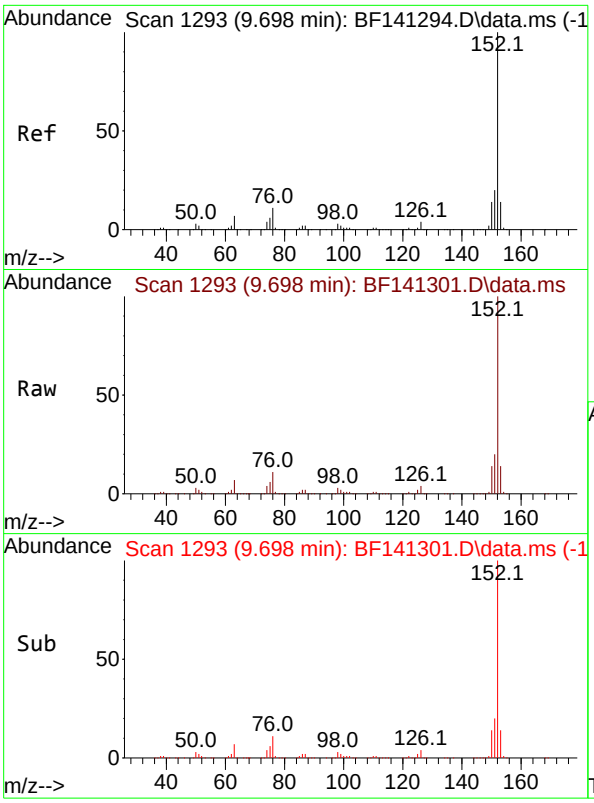


#48
2-Nitroaniline
Concen: 38.111 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 65 Resp: 225042

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.3	79.9
138	105.2	83.6	125.4



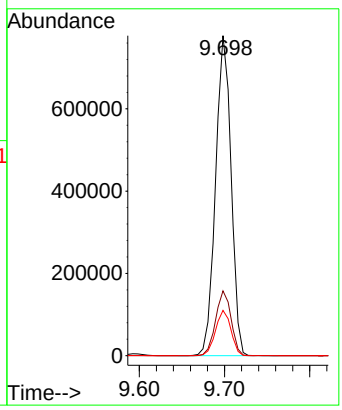


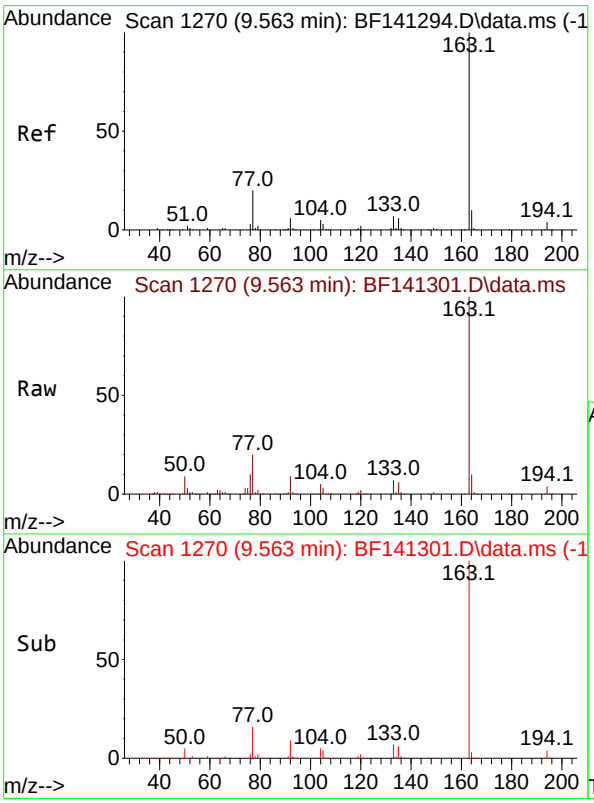
#49
Acenaphthylene
Concen: 37.463 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 984505

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	14.2	11.0	16.6

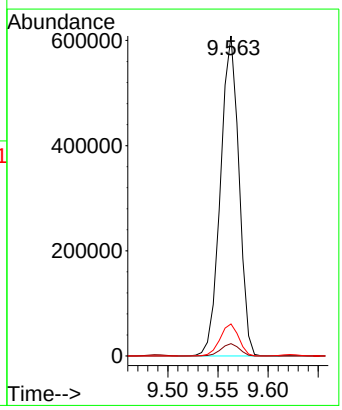


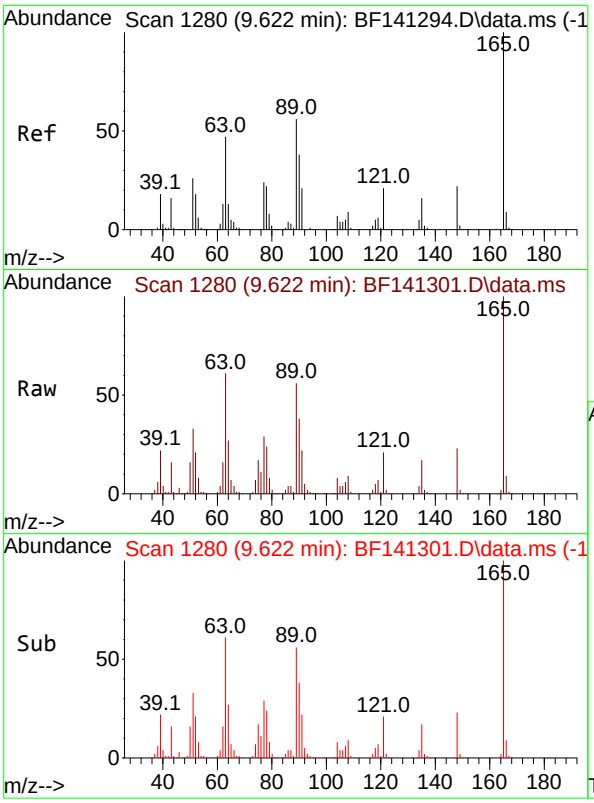


#50
Dimethylphthalate
Concen: 37.298 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:163 Resp: 777984

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



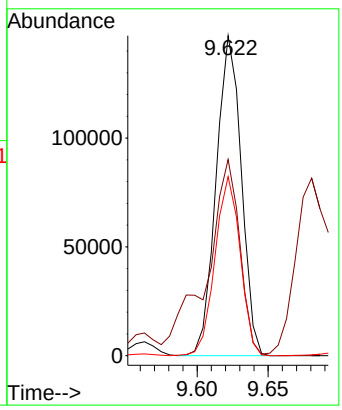


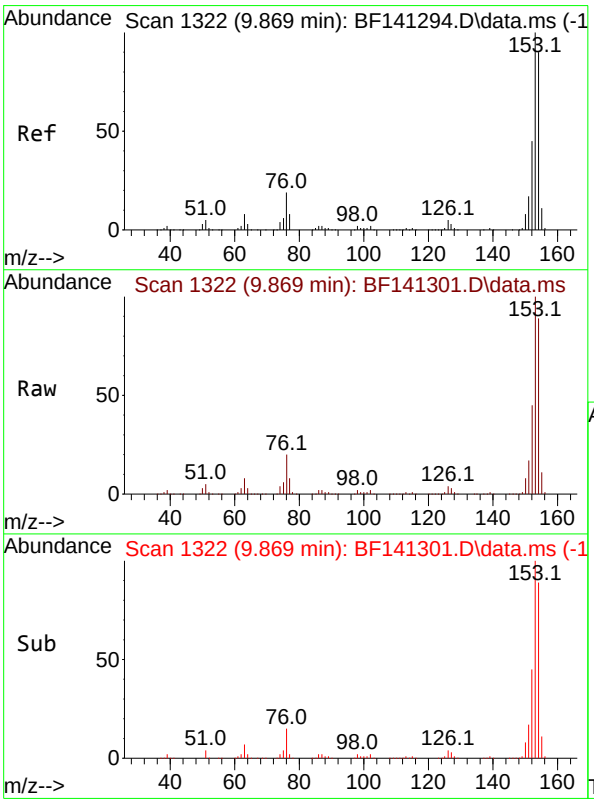
#51
2,6-Dinitrotoluene
Concen: 37.386 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 181065

Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.1	72.1
89	56.0	44.9	67.3

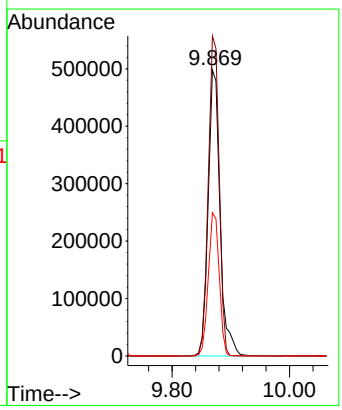


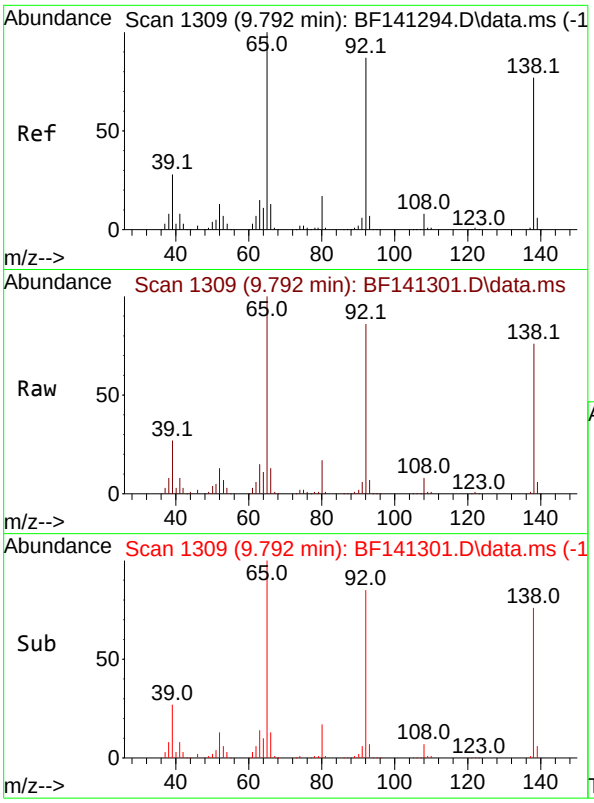


#52
Acenaphthene
Concen: 37.171 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:154 Resp: 697843

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	50.1	40.2	60.4



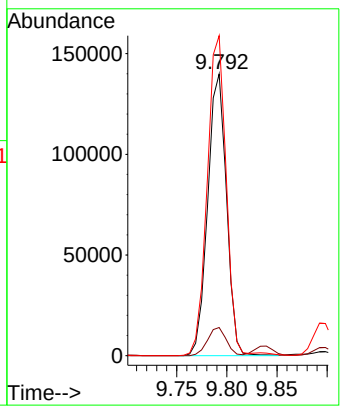


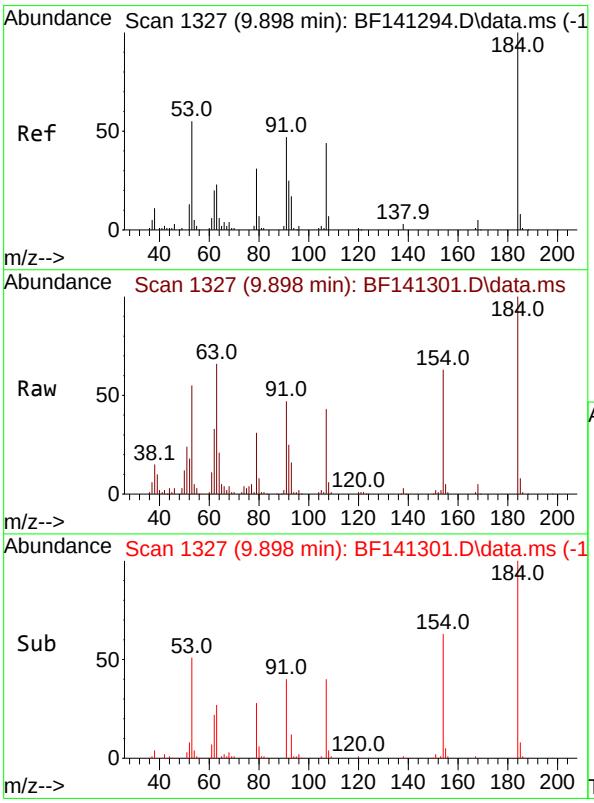
#53
3-Nitroaniline
Concen: 38.456 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 182543

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.6	12.8
92	113.6	91.0	136.6

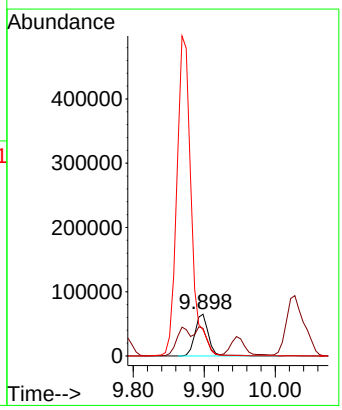


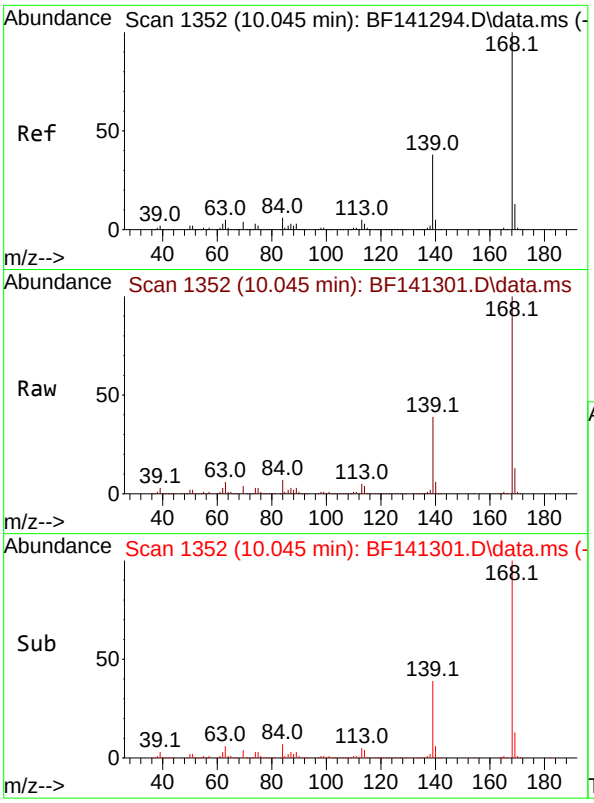


#54
2,4-Dinitrophenol
Concen: 38.081 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:184 Resp: 85734

Ion	Ratio	Lower	Upper
184	100		
63	66.0	54.1	81.1
154	63.0	50.7	76.1



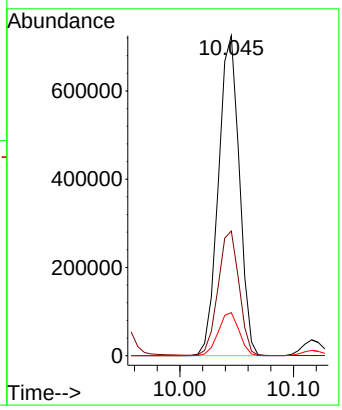


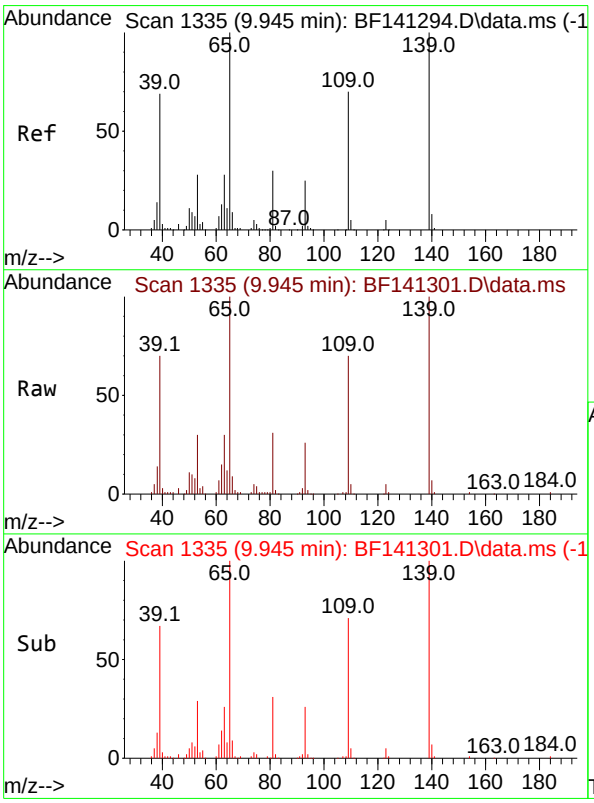
#55
Dibenzofuran
Concen: 36.923 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 927873

Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.6	46.0
169	13.4	10.8	16.2

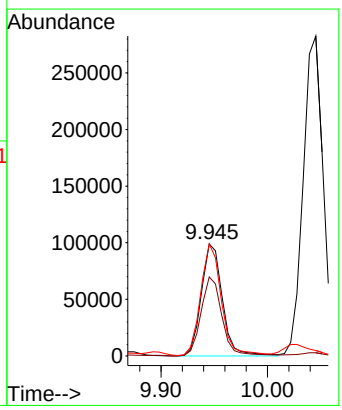


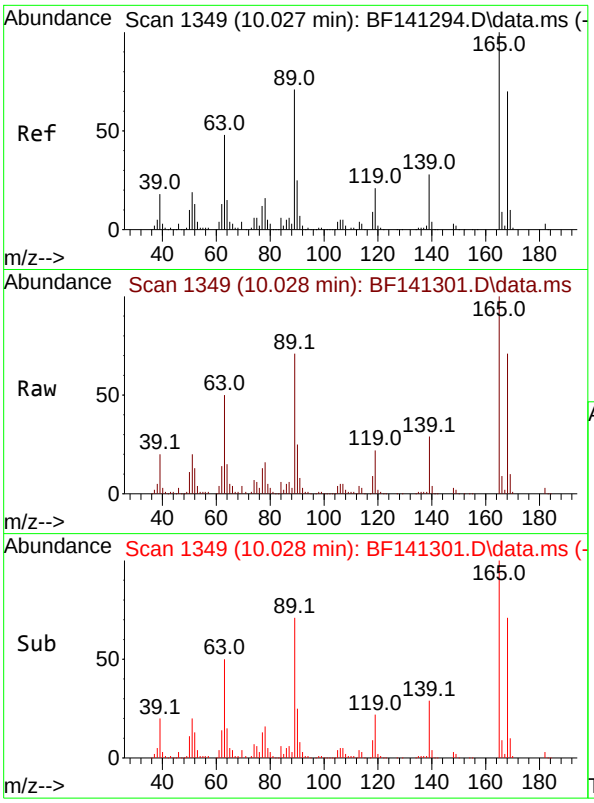


#56
4-Nitrophenol
Concen: 39.302 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:139 Resp: 136436

Ion	Ratio	Lower	Upper
139	100		
109	70.6	50.2	90.2
65	100.1	80.6	120.6



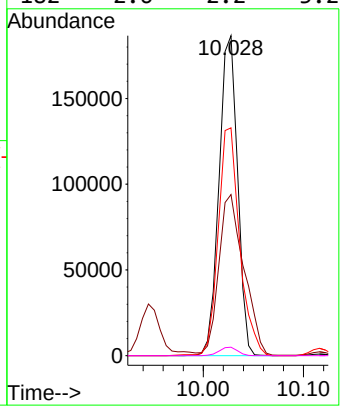


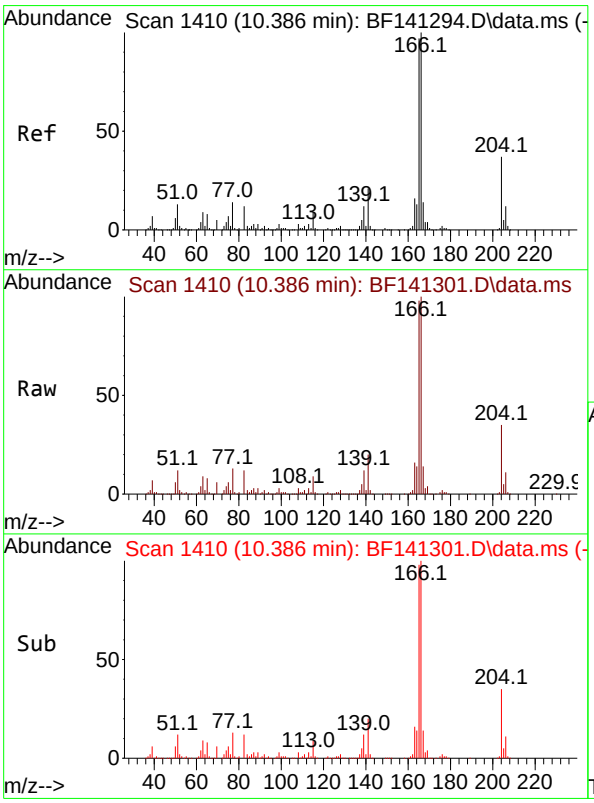
#57
2,4-Dinitrotoluene
Concen: 38.142 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 239168

Ion	Ratio	Lower	Upper
165	100		
63	50.4	39.2	58.8
89	71.2	56.9	85.3
182	2.6	2.2	3.2

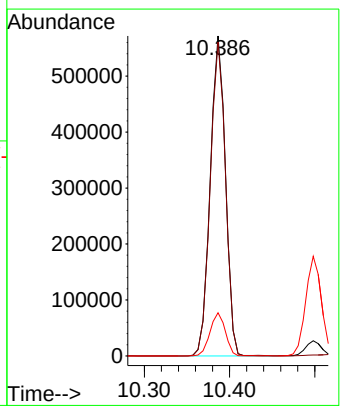


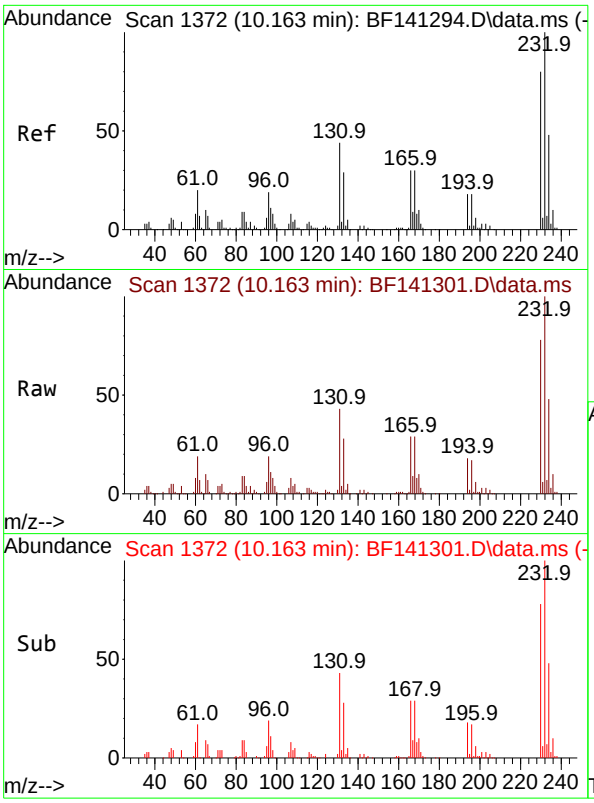


#58
Fluorene
Concen: 36.459 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:166 Resp: 710687

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.5	116.3
167	13.5	10.9	16.3



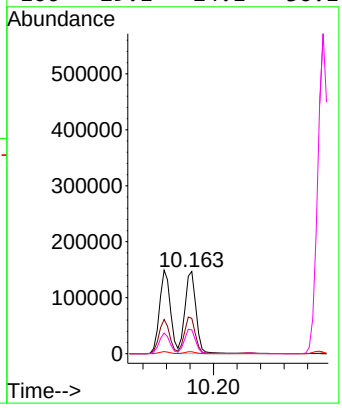


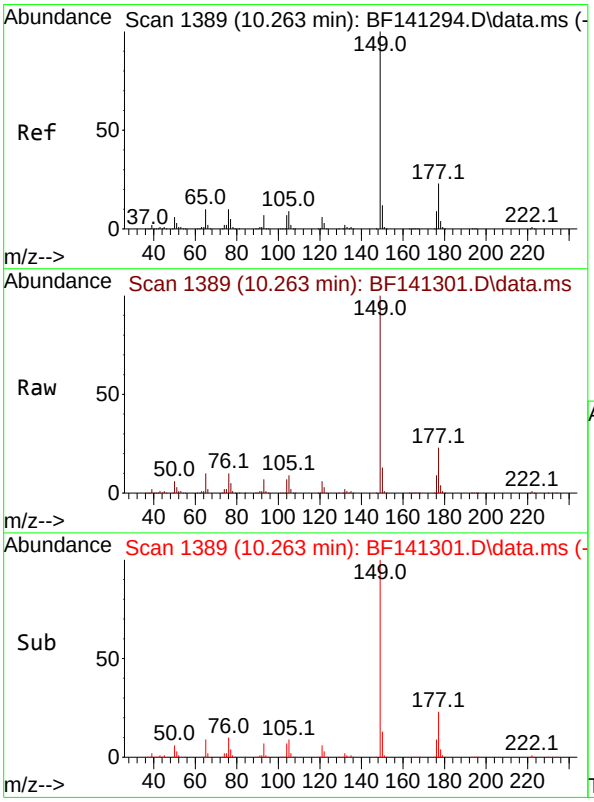
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.118 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 192623

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.4	54.6
130	2.3	1.9	2.9
166	29.1	24.1	36.1

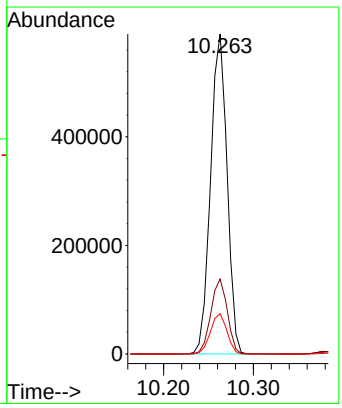


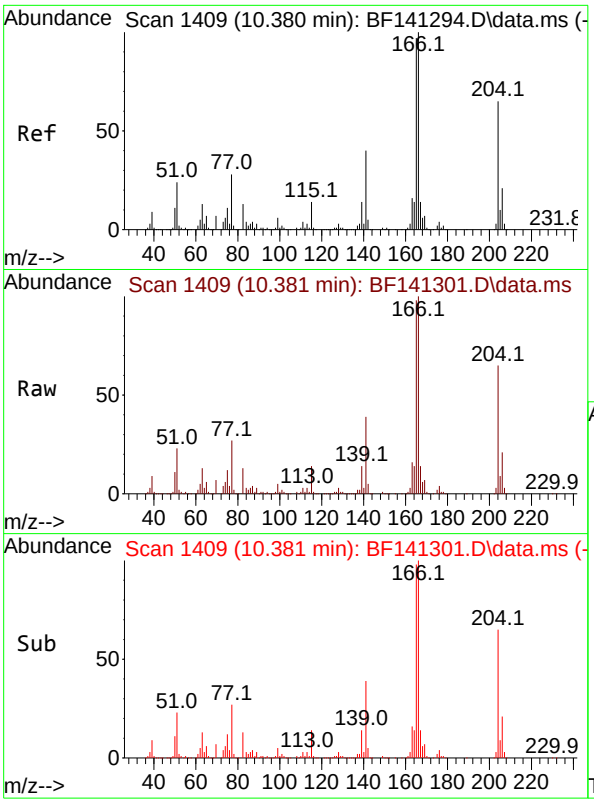


#60
Diethylphthalate
Concen: 37.157 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 751491

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.5	27.7
150	12.6	10.0	15.0



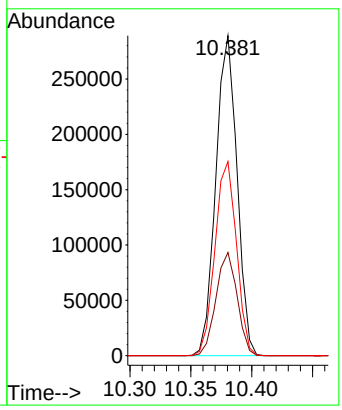


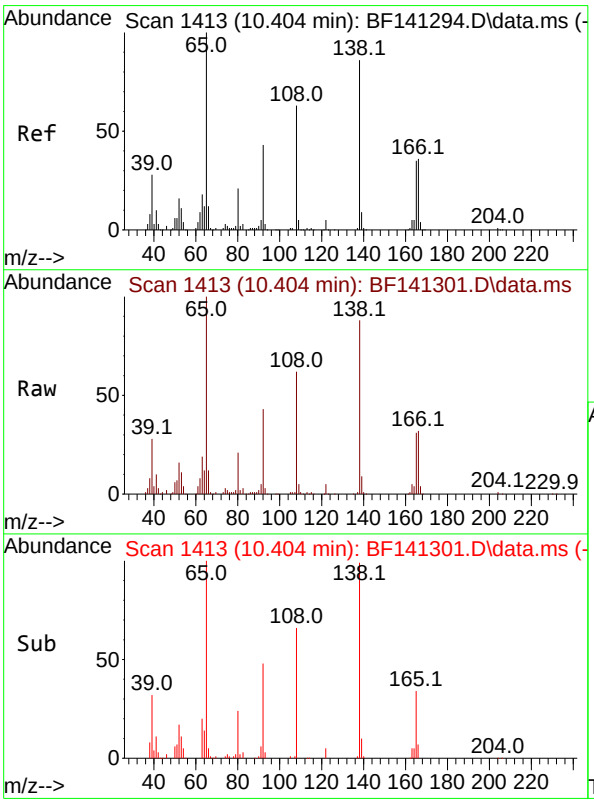
#61
4-Chlorophenyl-phenylether
Concen: 36.875 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 351110

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	60.7	49.5	74.3

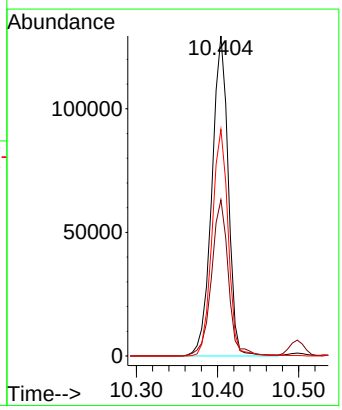


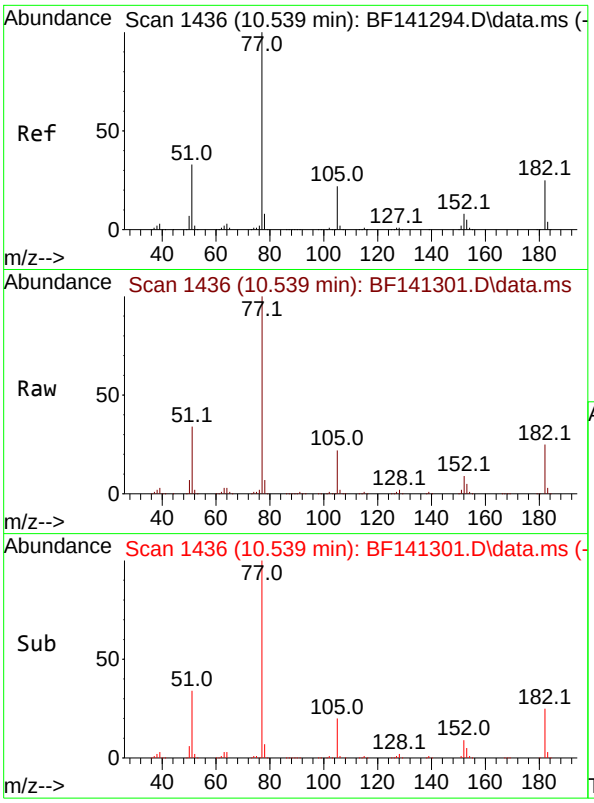


#62
4-Nitroaniline
Concen: 38.976 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:138 Resp: 181893

Ion	Ratio	Lower	Upper
138	100		
92	48.8	30.1	70.1
108	70.8	53.1	93.1



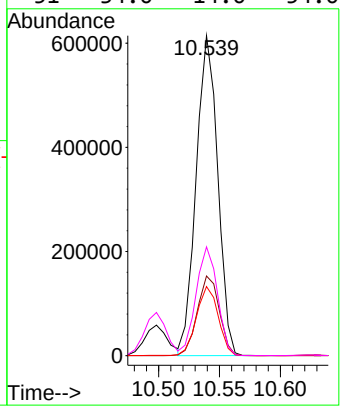


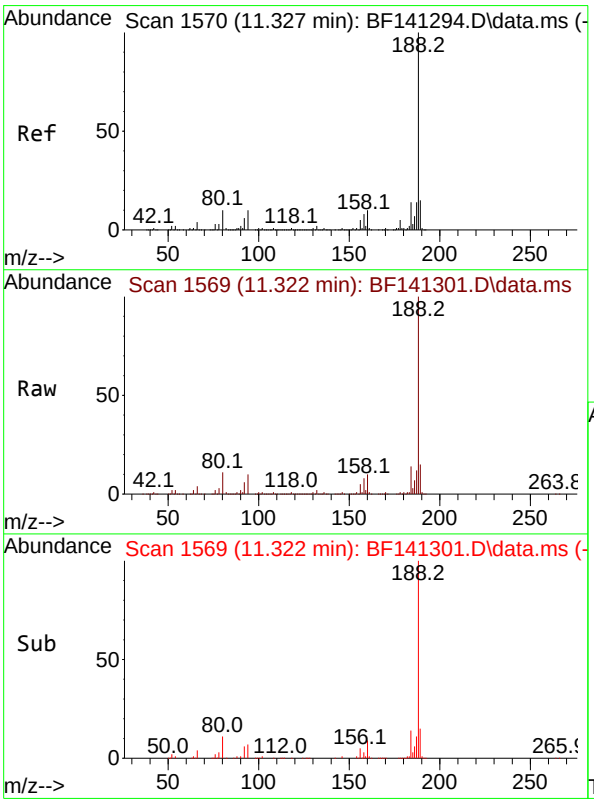
#63
Azobenzene
Concen: 37.363 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 756407

Ion	Ratio	Lower	Upper
77	100		
182	24.9	5.1	45.1
105	21.6	1.8	41.8
51	34.0	14.0	54.0

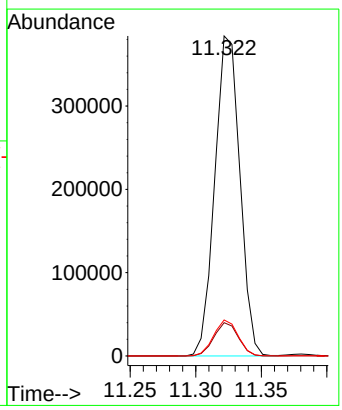


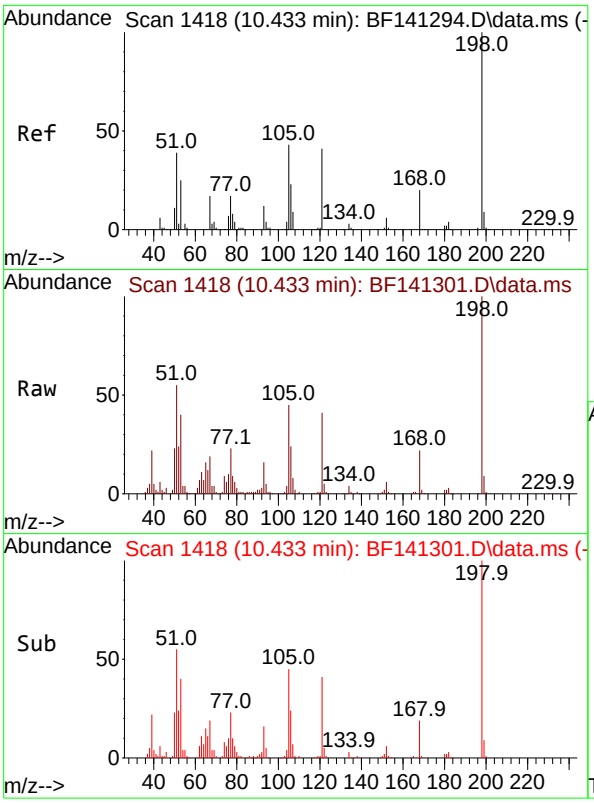


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:188 Resp: 511005

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.2	8.2	12.4



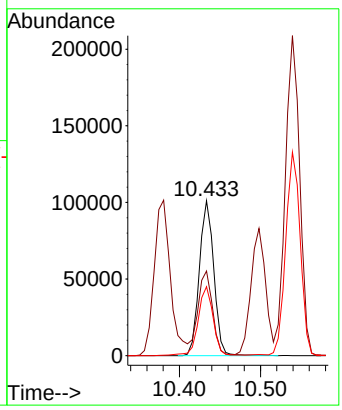


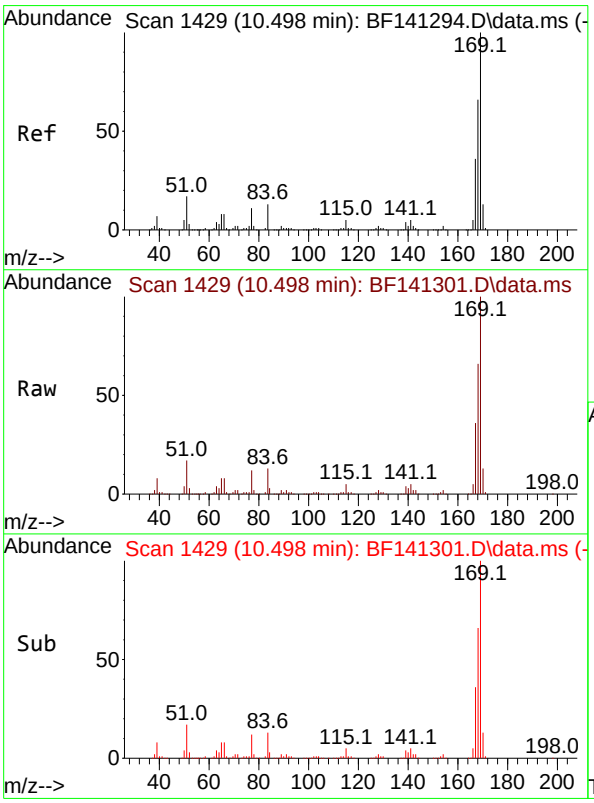
#65
4,6-Dinitro-2-methylphenol
Concen: 41.499 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 125435

Ion	Ratio	Lower	Upper
198	100		
51	54.7	33.4	73.4
105	44.6	24.4	64.4

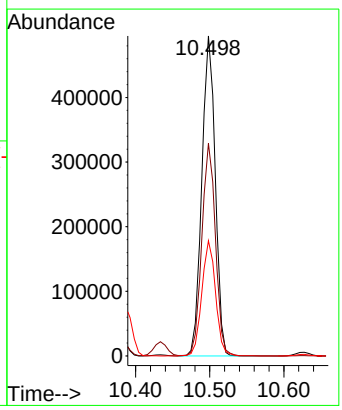


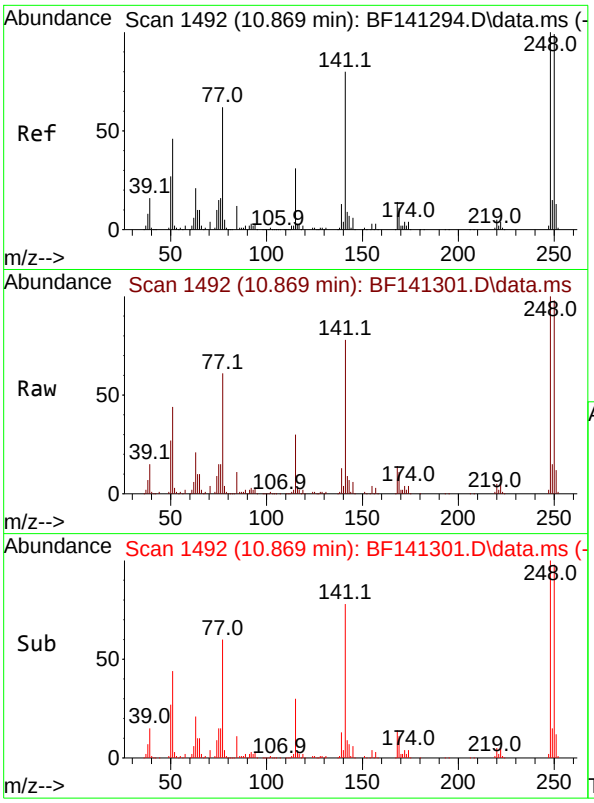


#66
n-Nitrosodiphenylamine
Concen: 37.717 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:169 Resp: 623386

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.0	28.8	43.2



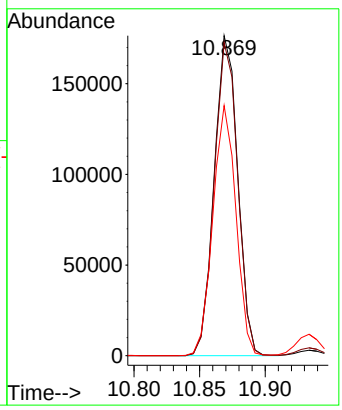


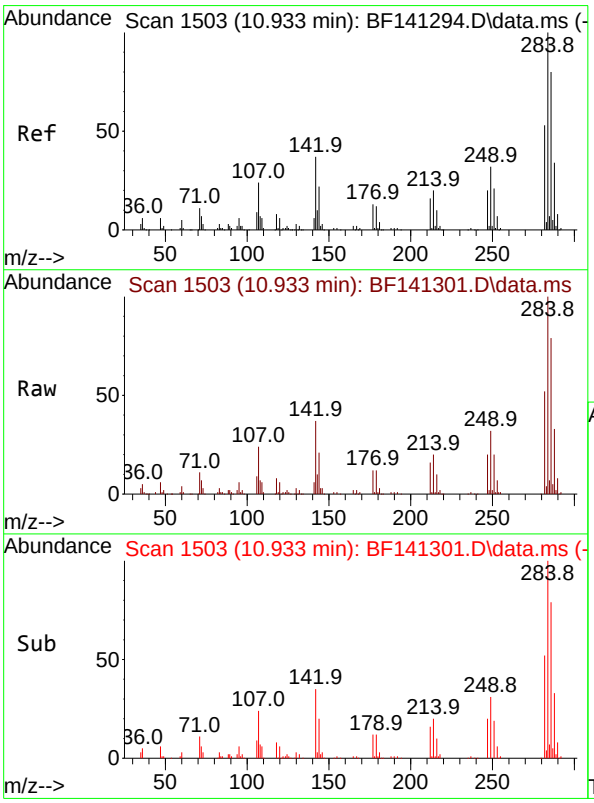
#67
4-Bromophenyl-phenylether
Concen: 38.519 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 220361

Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.0	118.4
141	78.2	63.7	95.5

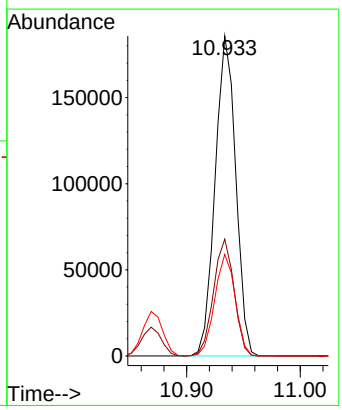


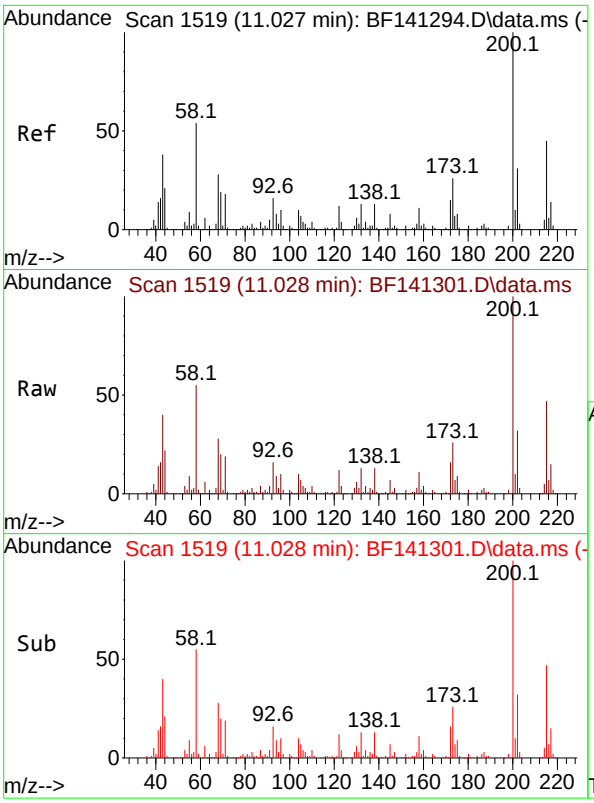


#68
Hexachlorobenzene
Concen: 38.606 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:284 Resp: 234276

Ion	Ratio	Lower	Upper
284	100		
142	36.5	29.5	44.3
249	31.7	25.4	38.2



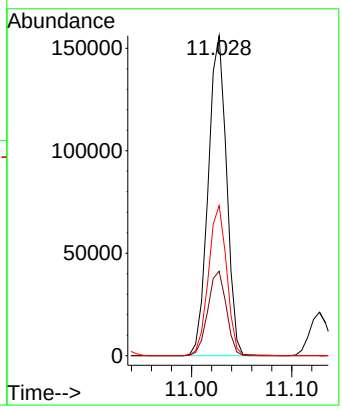


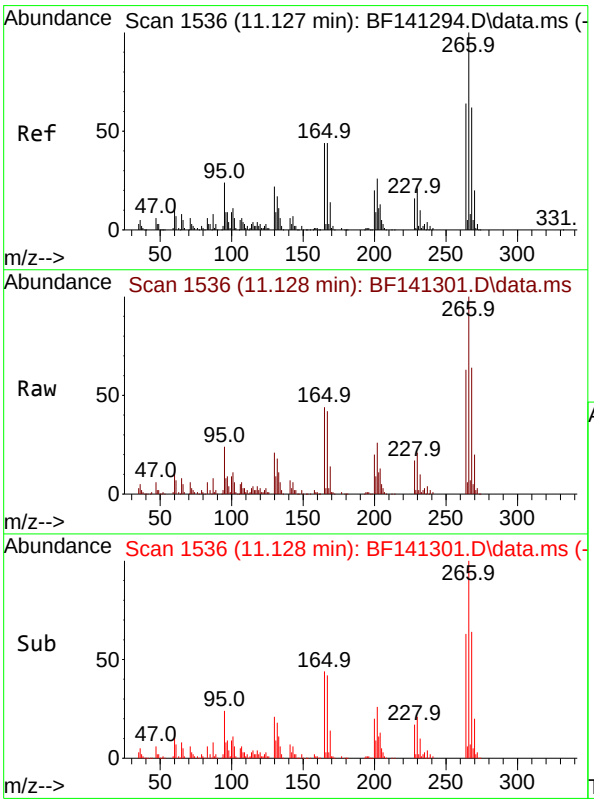
#69
Atrazine
Concen: 35.925 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 198524

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	46.9	25.2	65.2

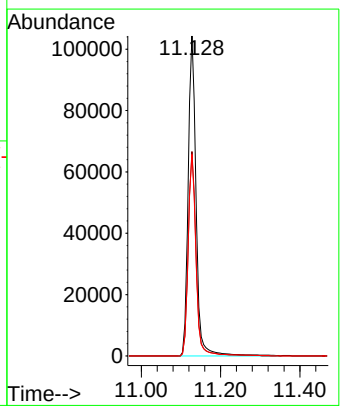


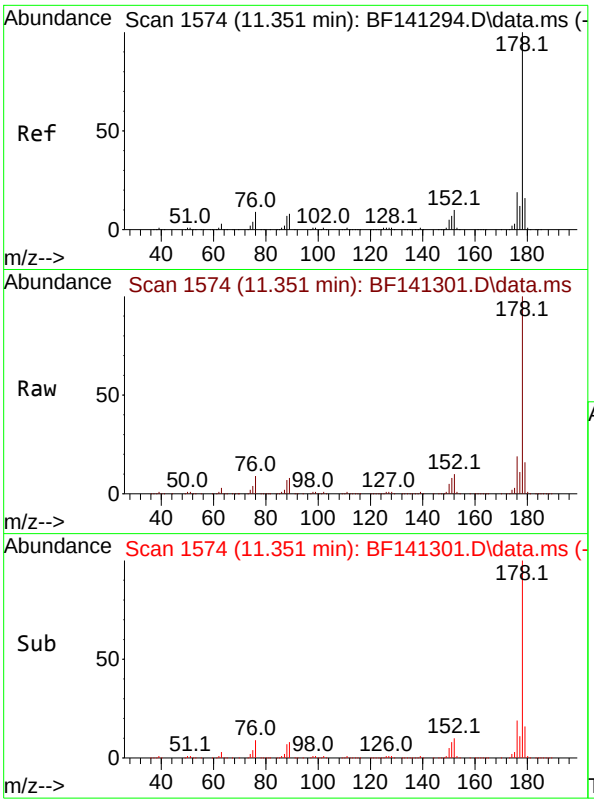


#70
Pentachlorophenol
Concen: 40.848 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:266 Resp: 145156

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.9	74.9
264	63.0	51.0	76.4



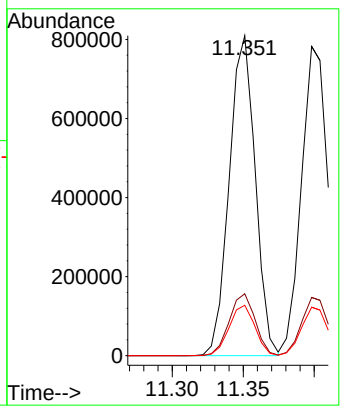


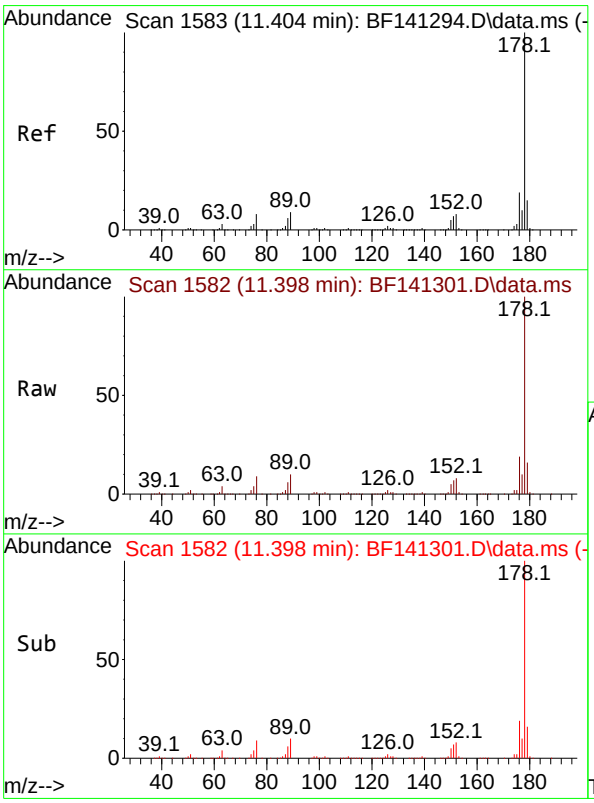
#71
Phenanthrene
Concen: 37.489 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1029763

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.5	18.7

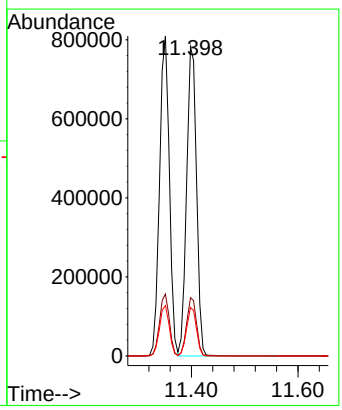


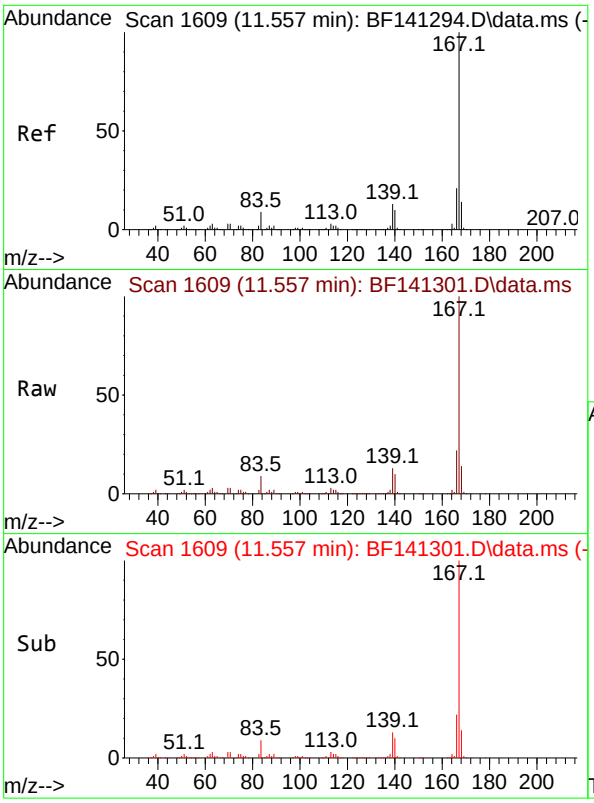


#72
Anthracene
Concen: 37.517 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:178 Resp: 1009748

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.3	18.5



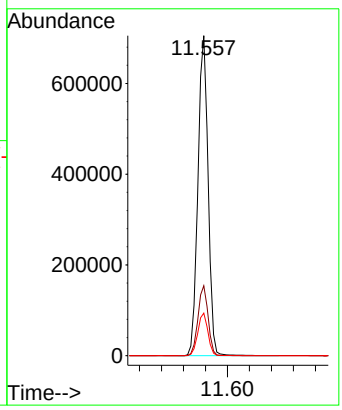


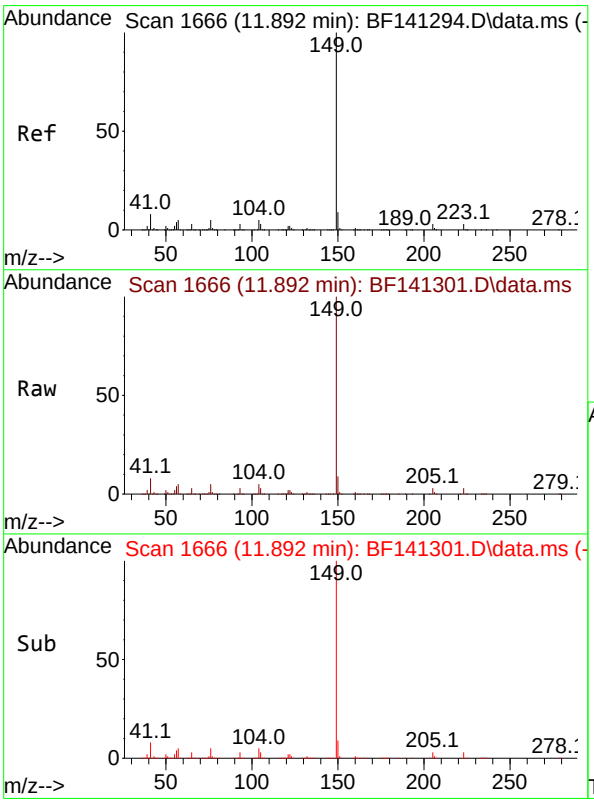
#73
Carbazole
Concen: 38.060 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 908313

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.3	10.6	16.0

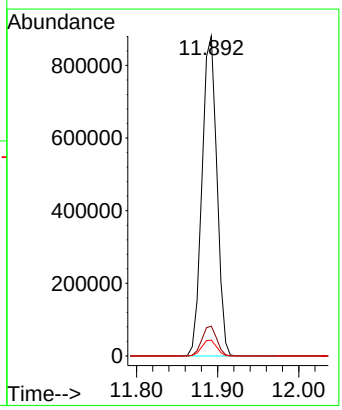


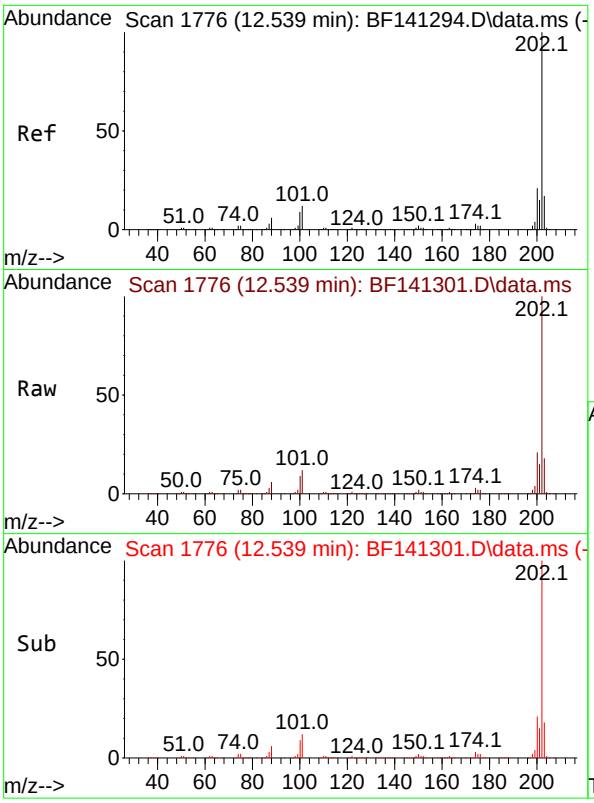


#74
Di-n-butylphthalate
Concen: 38.646 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 1117730

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



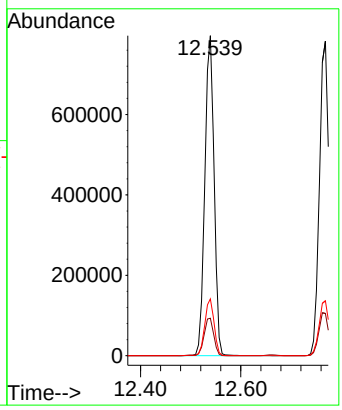


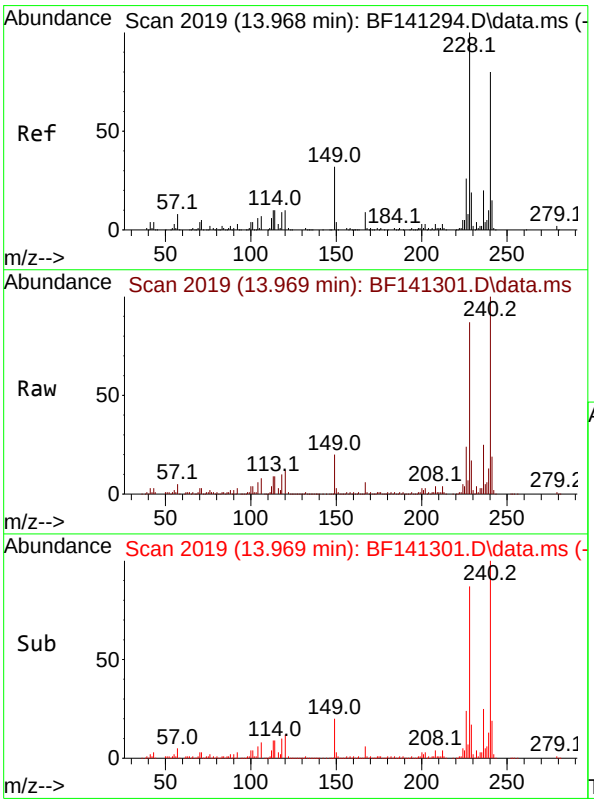
#75
Fluoranthene
Concen: 37.857 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1026756

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.7	0.0	37.5

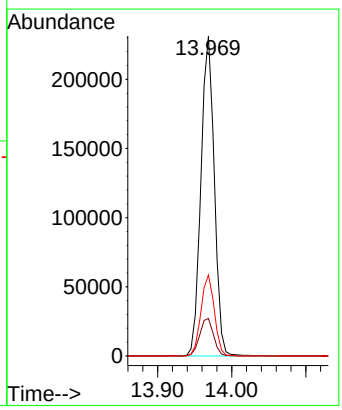


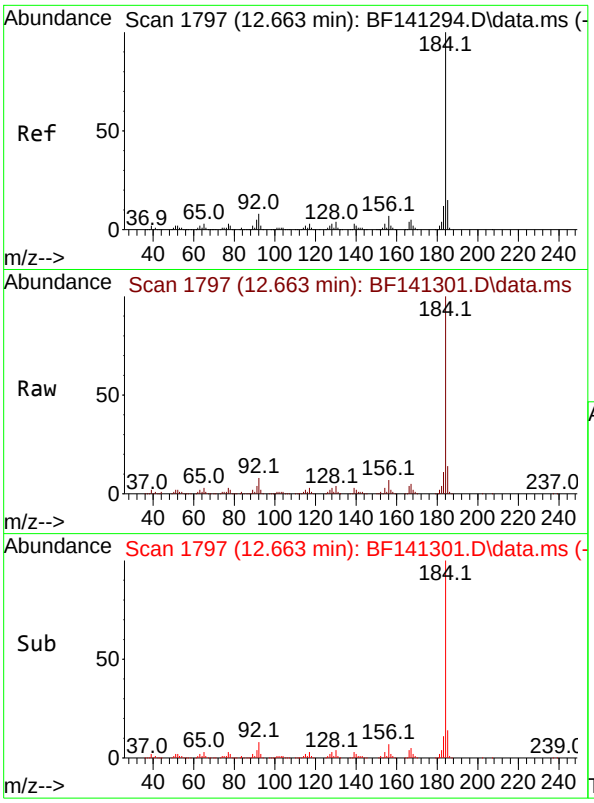


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:240 Resp: 290304

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.3	19.7	29.5



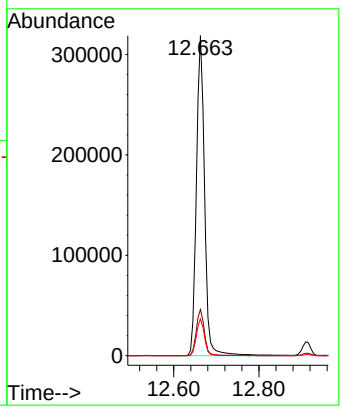


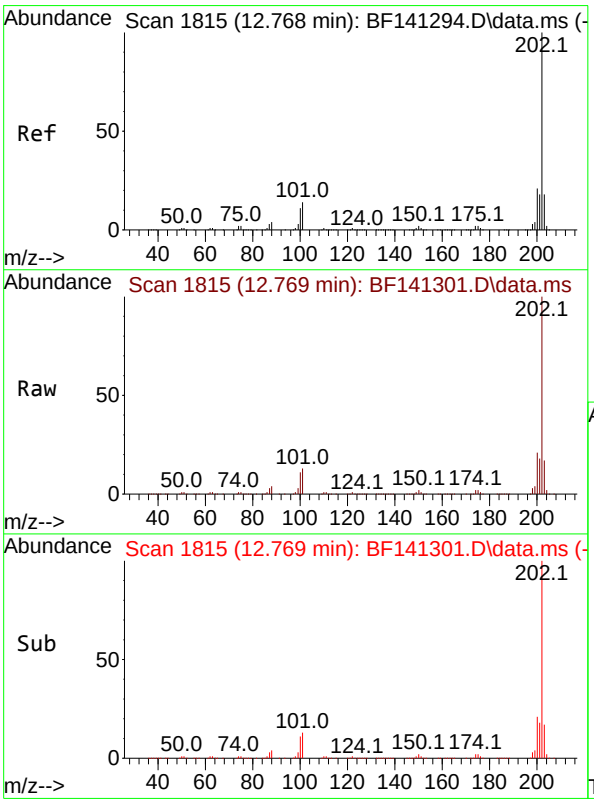
#77
Benzidine
Concen: 45.623 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 424599

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.5	9.5	14.3

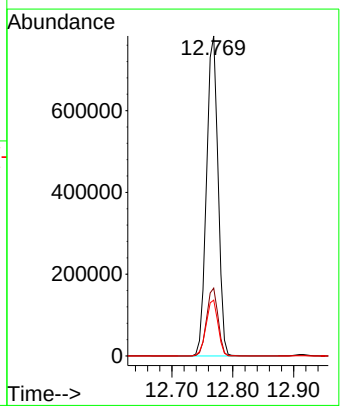


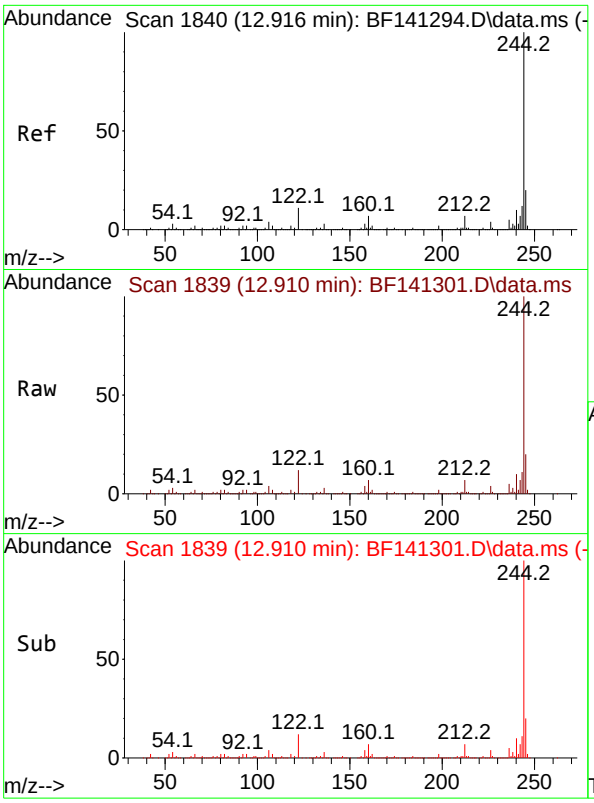


#78
Pyrene
Concen: 37.019 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:202 Resp: 1031587

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.4	14.3	21.5



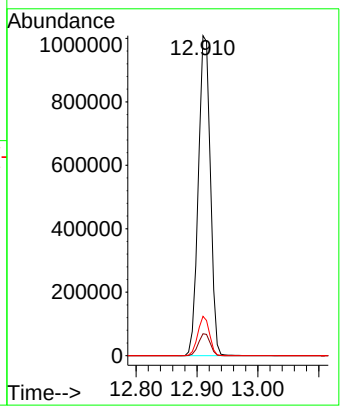


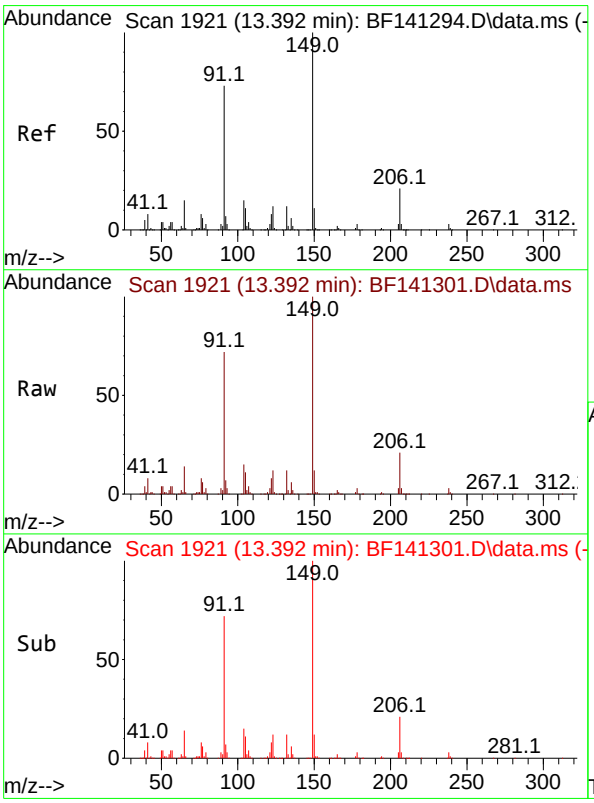
#79
Terphenyl-d14
Concen: 73.075 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1375587

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	8.8	13.2

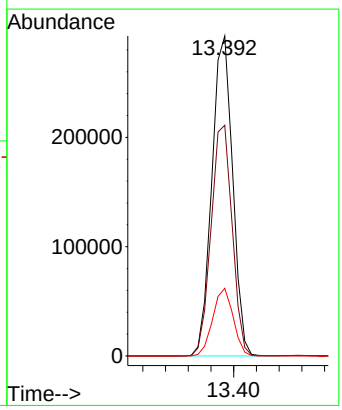


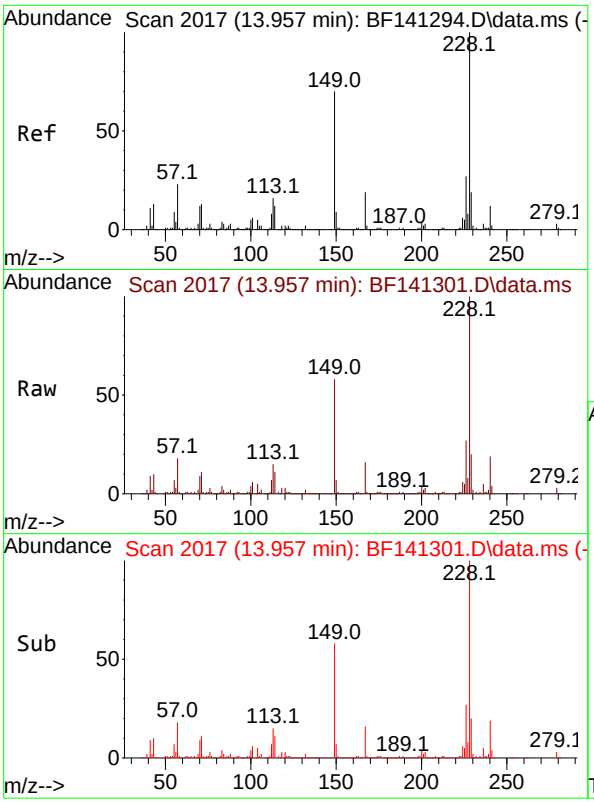


#80
Butylbenzylphthalate
Concen: 38.238 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 372260

Ion	Ratio	Lower	Upper
149	100		
91	72.1	58.6	87.8
206	21.1	16.7	25.1



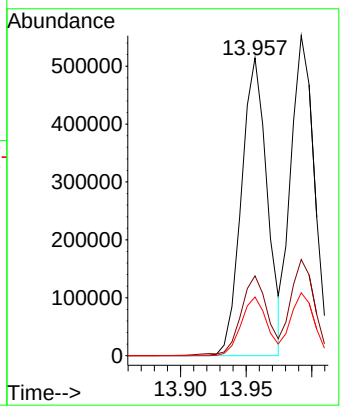


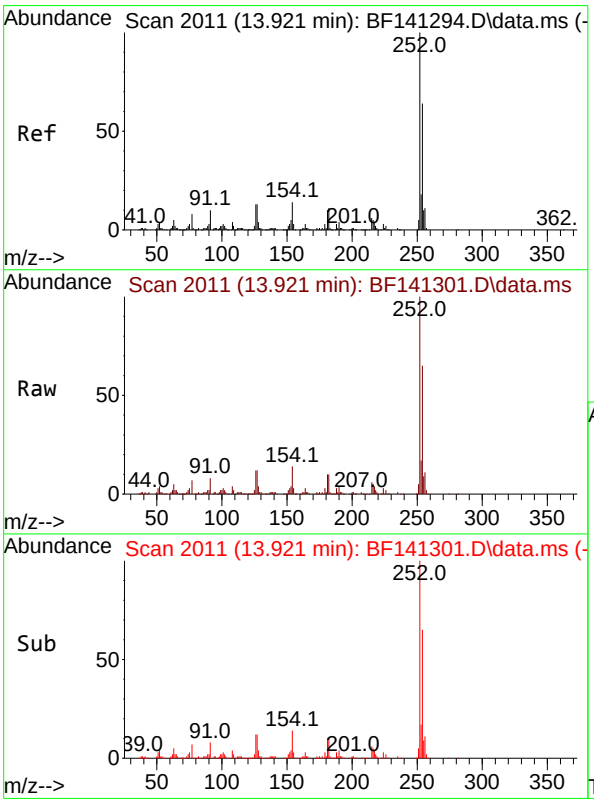
#81
Benzo(a)anthracene
Concen: 35.173 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 704605

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.5	23.3

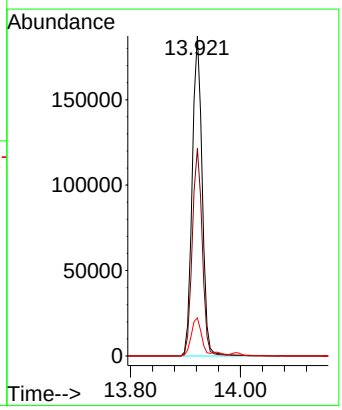


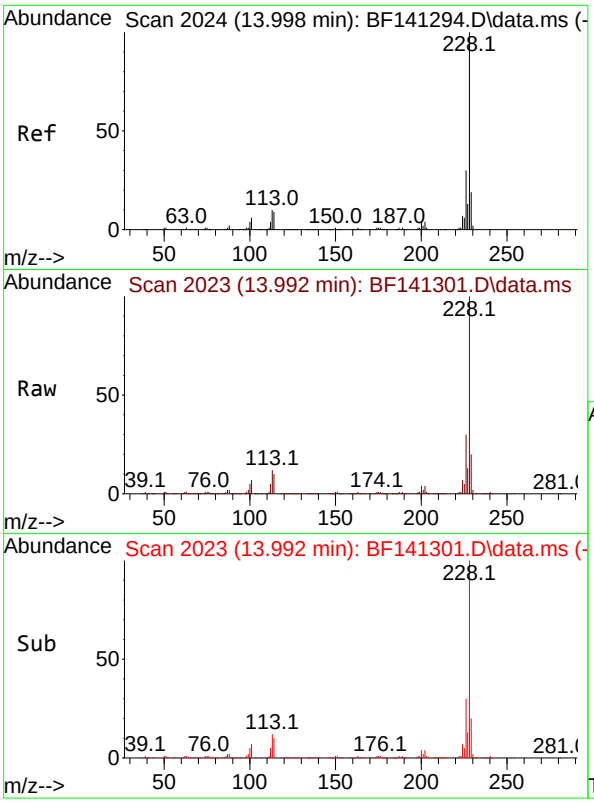


#82
3,3'-Dichlorobenzidine
Concen: 37.051 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 236068

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.3	76.9
126	11.9	10.0	15.0



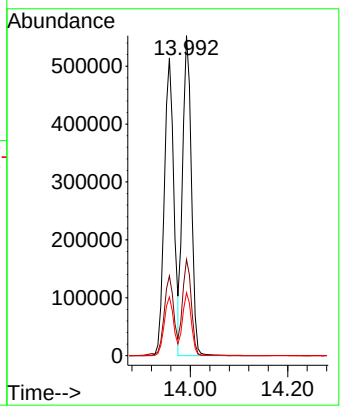


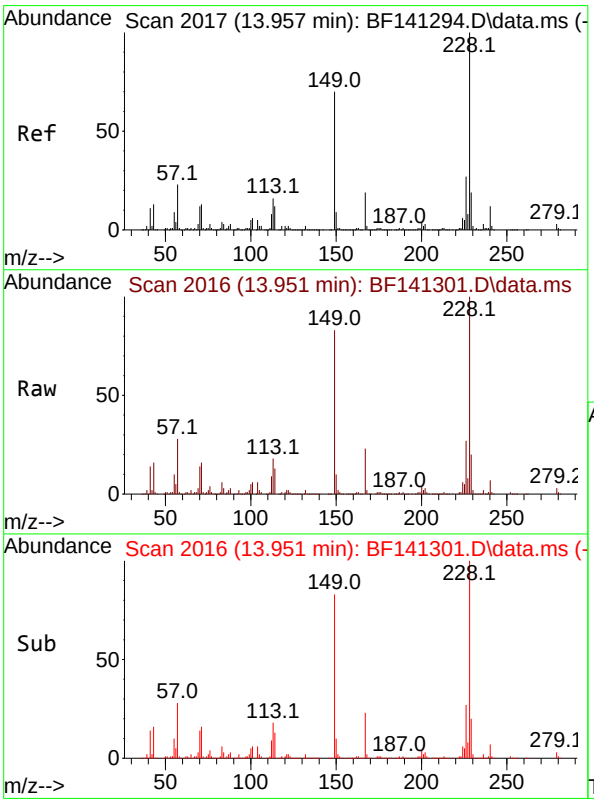
#83
Chrysene
Concen: 37.578 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 689916

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.6	23.4

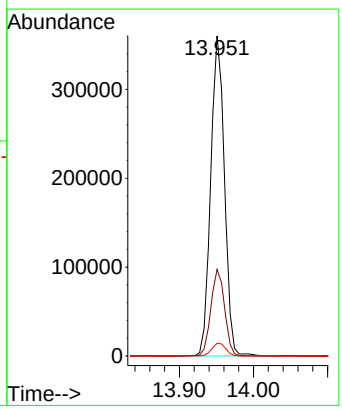


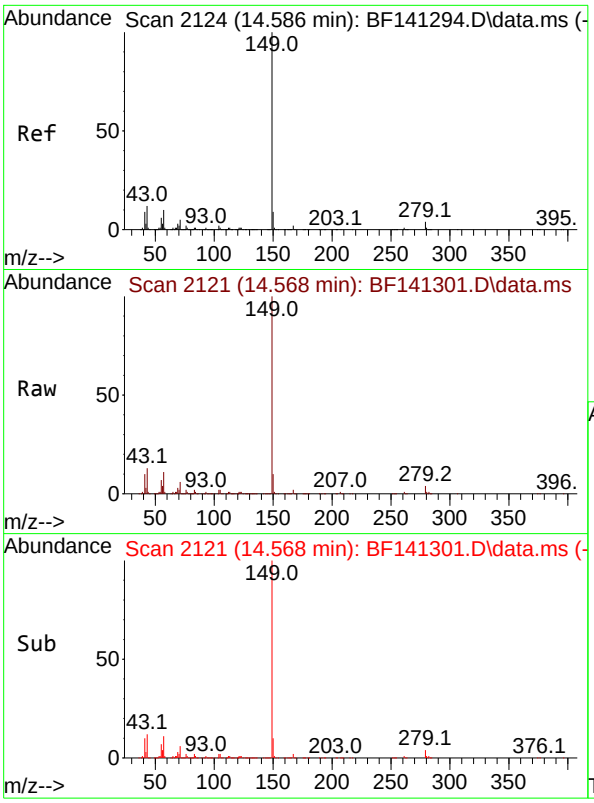


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.511 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 463244

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	3.9	3.3	4.9



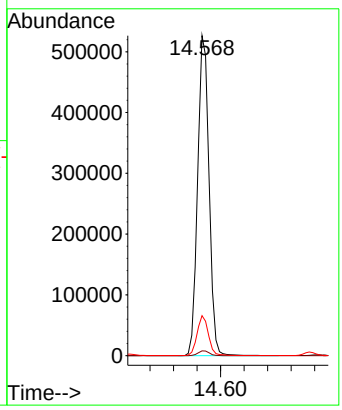


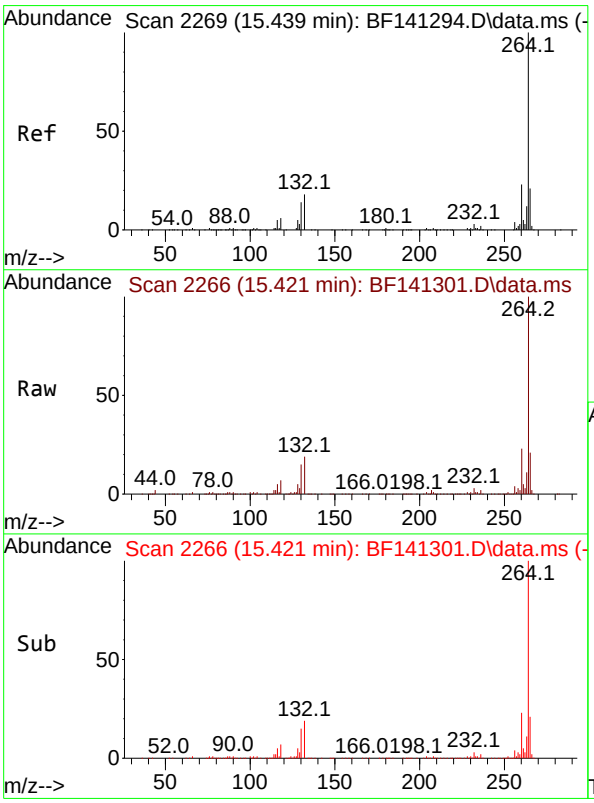
#85
Di-n-octyl phthalate
Concen: 36.853 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 706897

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.4	9.8	14.8

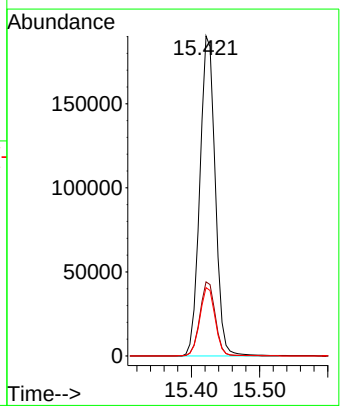


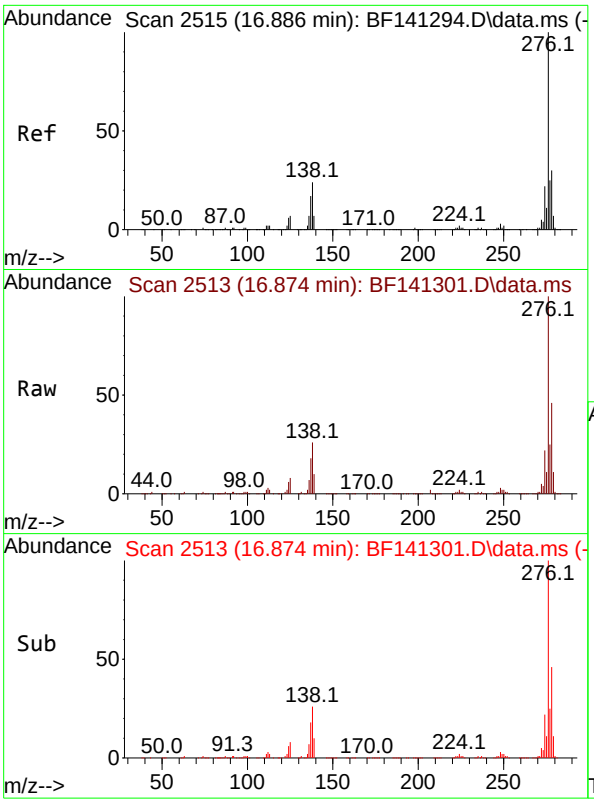


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:264 Resp: 298783

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.4	16.7	25.1



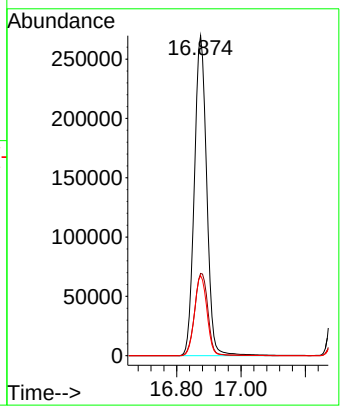


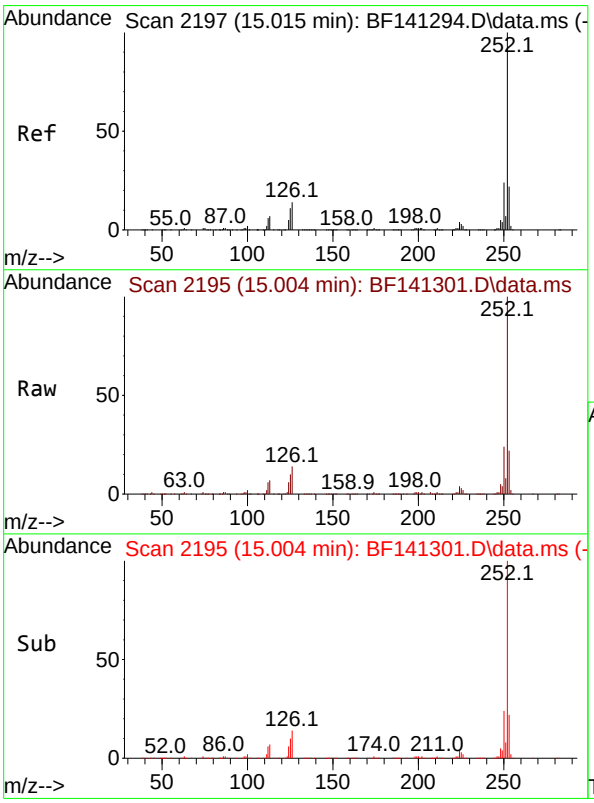
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.195 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 717281

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.7	32.5
277	25.4	20.3	30.5

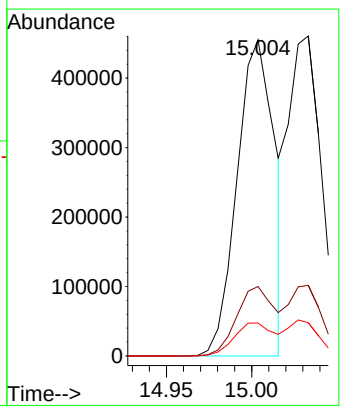


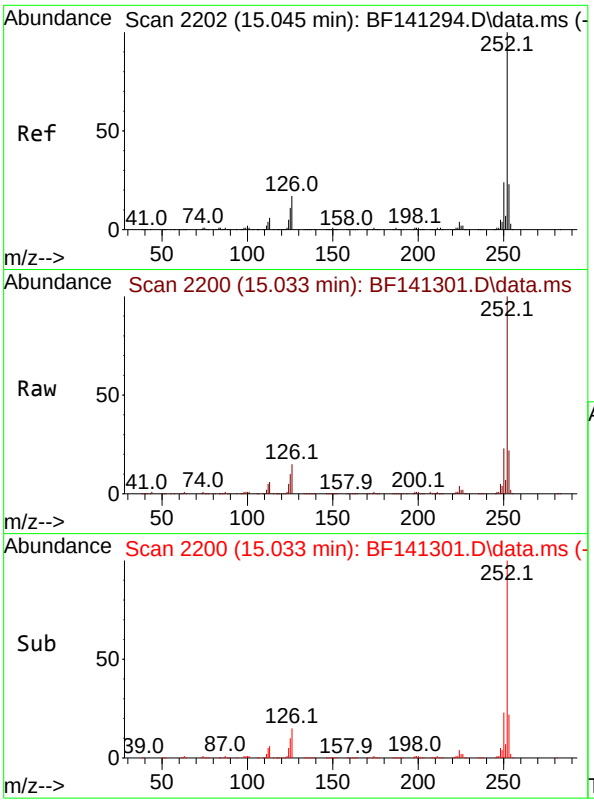


#88
Benzo(b)fluoranthene
Concen: 36.951 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 694461

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.4	8.6	12.8



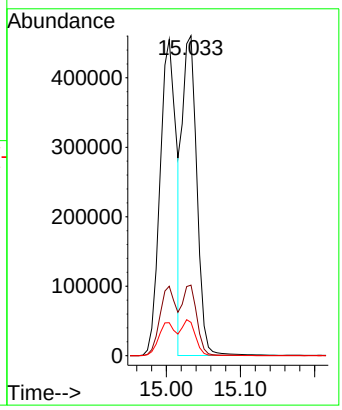


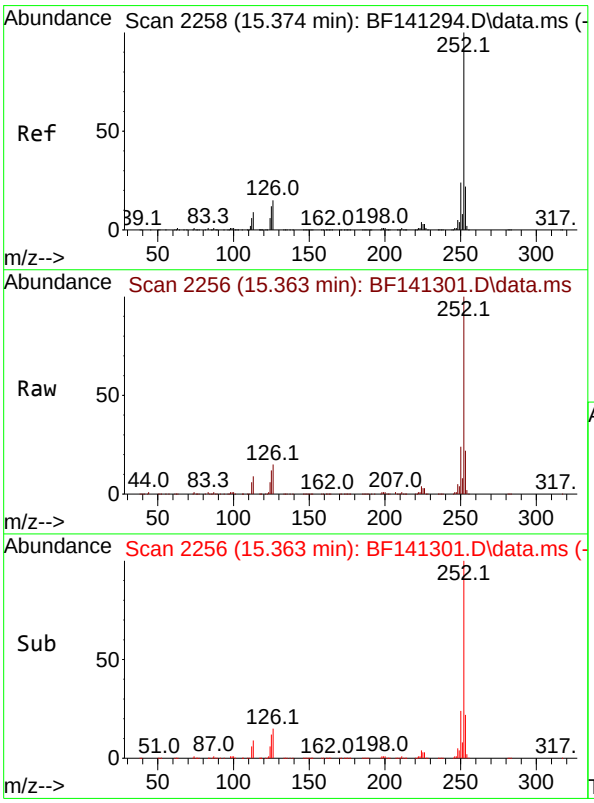
#89
Benzo(k)fluoranthene
Concen: 37.889 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 630825

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.4	8.4	12.6

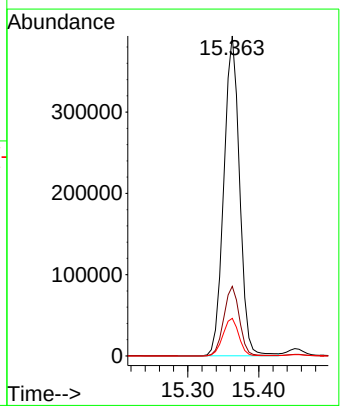


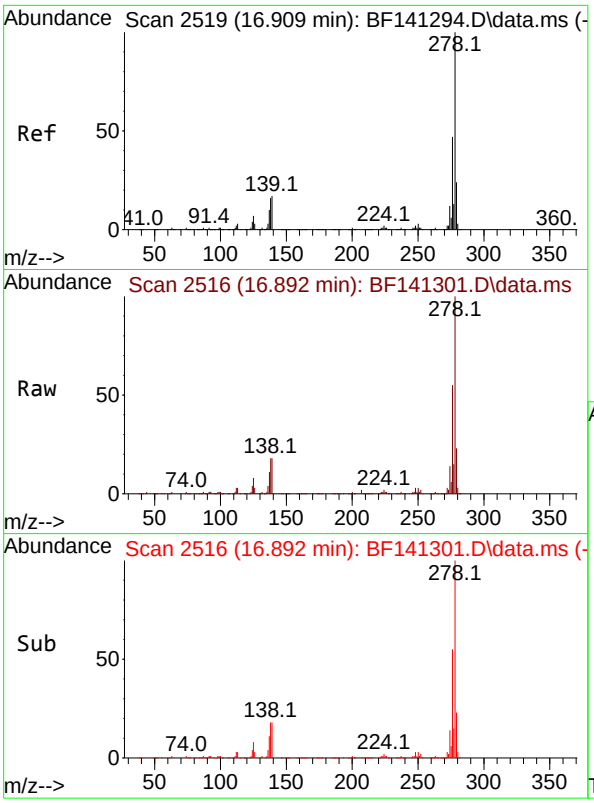


#90
Benzo(a)pyrene
Concen: 38.001 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 603540

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.7	9.4	14.2



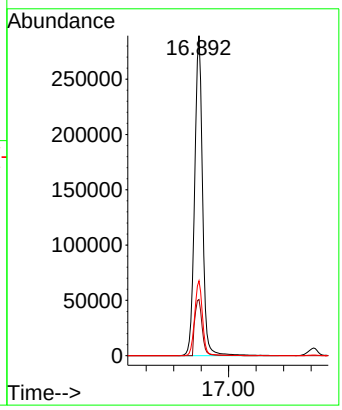


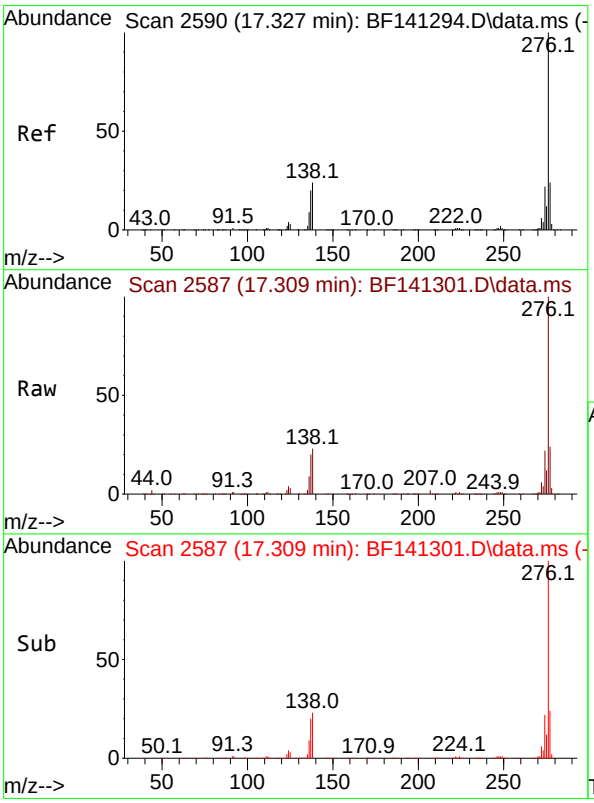
#91
Dibenzo(a,h)anthracene
Concen: 37.155 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 576450

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.9	20.9
279	23.4	18.8	28.2

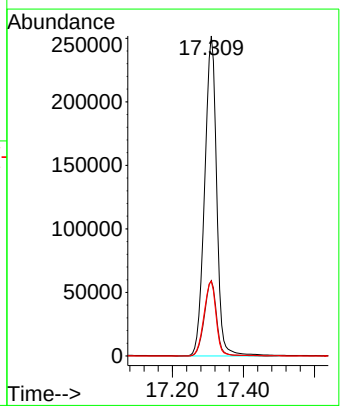




#92
Benzo(g,h,i)perylene
Concen: 36.865 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:276 Resp: 594713

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.3	19.0	28.4



Sample Results: **BF141301.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	107	0.00
2		1,4-Dioxane	0.573	0.542	5.4	108	0.00
3		Pyridine	1.380	1.335	3.3	109	-0.01
4		n-Nitrosodimethylamine	0.789	0.754	4.4	108	-0.03
5	S	2-Fluorophenol	1.303	1.194	8.4	107	0.00
6		Aniline	1.403	1.392	0.8	110	0.00
7	S	Phenol-d6	1.657	1.545	6.8	109	-0.01
8		2-Chlorophenol	1.396	1.317	5.7	109	-0.01
9		Benzaldehyde	0.960	0.852	11.2	102	0.00
10	C	Phenol	1.757	1.657	5.7	108	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.242	7.8	108	-0.01
12		1,3-Dichlorobenzene	1.540	1.433	6.9	108	0.00
13	C	1,4-Dichlorobenzene	1.547	1.433	7.4	107	0.00
14		1,2-Dichlorobenzene	1.448	1.358	6.2	109	0.00
15		Benzyl Alcohol	1.133	1.092	3.6	108	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.216	5.4	109	0.00
17		2-Methylphenol	1.135	1.057	6.9	109	0.00
18		Hexachloroethane	0.571	0.533	6.7	108	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.911	7.5	109	-0.01
20		3+4-Methylphenols	1.393	1.298	6.8	108	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
22		Acetophenone	0.475	0.435	8.4	108	0.00
23	S	Nitrobenzene-d5	0.379	0.356	6.1	108	0.00
24		Nitrobenzene	0.393	0.370	5.9	108	-0.01
25		Isophorone	0.656	0.621	5.3	110	0.00
26	C	2-Nitrophenol	0.185	0.177	4.3	108	0.00
27		2,4-Dimethylphenol	0.236	0.227	3.8	109	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.394	5.7	109	0.00
29	C	2,4-Dichlorophenol	0.289	0.273	5.5	109	0.00
30		1,2,4-Trichlorobenzene	0.330	0.305	7.6	109	0.00
31		Naphthalene	1.057	0.980	7.3	108	0.00
32		Benzoic acid	0.217	0.211	2.8	103	-0.04
33		4-Chloroaniline	0.358	0.341	4.7	109	0.00
34	C	Hexachlorobutadiene	0.194	0.181	6.7	109	0.00
35		Caprolactam	0.094	0.091	3.2	111	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.295	4.8	111	0.00
37		2-Methylnaphthalene	0.672	0.622	7.4	108	0.00
38		1-Methylnaphthalene	0.660	0.613	7.1	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.533	6.3	109	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.172	-2.4	109	0.00
42	S	2,4,6-Tribromophenol	0.183	0.174	4.9	110	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.361	3.0	108	0.00
44		2,4,5-Trichlorophenol	0.405	0.374	7.7	108	0.00
45	S	2-Fluorobiphenyl	1.299	1.166	10.2	107	0.00
46		1,1'-Biphenyl	1.560	1.444	7.4	108	0.00
47		2-Chloronaphthalene	1.216	1.115	8.3	109	0.00

Sample Results: **BF141301.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.364	4.7	109	0.00
49		Acenaphthylene	1.702	1.594	6.3	109	0.00
50		Dimethylphthalate	1.351	1.260	6.7	111	0.00
51		2,6-Dinitrotoluene	0.314	0.293	6.7	108	0.00
52	C	Acenaphthene	1.216	1.130	7.1	109	0.00
53		3-Nitroaniline	0.307	0.296	3.6	106	0.00
54	P	2,4-Dinitrophenol	0.146	0.139	4.8	103	0.00
55		Dibenzofuran	1.627	1.502	7.7	108	0.00
56	P	4-Nitrophenol	0.225	0.221	1.8	108	-0.01
57		2,4-Dinitrotoluene	0.406	0.387	4.7	109	0.00
58		Fluorene	1.262	1.151	8.8	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.312	2.2	112	0.00
60		Diethylphthalate	1.310	1.217	7.1	108	0.00
61		4-Chlorophenyl-phenylether	0.617	0.568	7.9	109	0.00
62		4-Nitroaniline	0.302	0.294	2.6	111	-0.01
63		Azobenzene	1.311	1.225	6.6	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.123	-4.2	109	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.610	5.7	109	0.00
67		4-Bromophenyl-phenylether	0.224	0.216	3.6	111	0.00
68		Hexachlorobenzene	0.238	0.229	3.8	112	0.00
69		Atrazine	0.216	0.194	10.2	102	0.00
70	C	Pentachlorophenol	0.139	0.142	-2.2	111	0.00
71		Phenanthrene	1.075	1.008	6.2	110	0.00
72		Anthracene	1.053	0.988	6.2	109	0.00
73		Carbazole	0.934	0.889	4.8	110	0.00
74		Di-n-butylphthalate	1.132	1.094	3.4	112	0.00
75	C	Fluoranthene	1.062	1.005	5.4	111	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77		Benzidine	0.641	0.731	-14.0	112	0.00
78		Pyrene	1.920	1.777	7.4	113	0.00
79	S	Terphenyl-d14	1.297	1.185	8.6	112	0.00
80		Butylbenzylphthalate	0.671	0.641	4.5	114	0.00
81		Benzo(a)anthracene	1.380	1.214	12.0	106	0.00
82		3,3'-Dichlorobenzidine	0.439	0.407	7.3	108	0.00
83		Chrysene	1.265	1.188	6.1	117	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.798	6.2	113	0.00
85	c	Di-n-octyl phthalate	1.321	1.218	7.8	110	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	107	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.200	7.0	102	-0.02
88		Benzo(b)fluoranthene	1.258	1.162	7.6	111	-0.02
89		Benzo(k)fluoranthene	1.114	1.056	5.2	104	-0.02
90	C	Benzo(a)pyrene	1.063	1.010	5.0	107	-0.02
91		Dibenzo(a,h)anthracene	1.039	0.965	7.1	102	-0.03
92		Benzo(g,h,i)perylene	1.080	0.995	7.9	102	-0.04

Sample Results: **BF141301.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141301.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	107	0.00
2		1,4-Dioxane	40.000	37.813	5.5	108	0.00
3		Pyridine	40.000	38.682	3.3	109	-0.01
4		n-Nitrosodimethylamine	40.000	38.256	4.4	108	-0.03
5	S	2-Fluorophenol	80.000	73.339	8.3	107	0.00
6		Aniline	40.000	39.701	0.7	110	0.00
7	S	Phenol-d6	80.000	74.578	6.8	109	-0.01
8		2-Chlorophenol	40.000	37.714	5.7	109	-0.01
9		Benzaldehyde	40.000	35.516	11.2	102	0.00
10	C	Phenol	40.000	37.734	5.7	108	-0.01
11		bis(2-Chloroethyl)ether	40.000	36.896	7.8	108	-0.01
12		1,3-Dichlorobenzene	40.000	37.233	6.9	108	0.00
13	C	1,4-Dichlorobenzene	40.000	37.052	7.4	107	0.00
14		1,2-Dichlorobenzene	40.000	37.501	6.2	109	0.00
15		Benzyl Alcohol	40.000	38.584	3.5	108	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.839	5.4	109	0.00
17		2-Methylphenol	40.000	37.247	6.9	109	0.00
18		Hexachloroethane	40.000	37.348	6.6	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.005	7.5	109	-0.01
20		3+4-Methylphenols	40.000	37.247	6.9	108	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	108	0.00
22		Acetophenone	40.000	36.587	8.5	108	0.00
23	S	Nitrobenzene-d5	80.000	75.011	6.2	108	0.00
24		Nitrobenzene	40.000	37.656	5.9	108	-0.01
25		Isophorone	40.000	37.866	5.3	110	0.00
26	C	2-Nitrophenol	40.000	38.187	4.5	108	0.00
27		2,4-Dimethylphenol	40.000	38.454	3.9	109	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.666	5.8	109	0.00
29	C	2,4-Dichlorophenol	40.000	37.822	5.4	109	0.00
30		1,2,4-Trichlorobenzene	40.000	37.030	7.4	109	0.00
31		Naphthalene	40.000	37.109	7.2	108	0.00
32		Benzoic acid	40.000	38.870	2.8	103	-0.04
33		4-Chloroaniline	40.000	38.063	4.8	109	0.00
34	C	Hexachlorobutadiene	40.000	37.404	6.5	109	0.00
35		Caprolactam	40.000	38.592	3.5	111	-0.02
36	C	4-Chloro-3-methylphenol	40.000	38.080	4.8	111	0.00
37		2-Methylnaphthalene	40.000	37.063	7.3	108	0.00
38		1-Methylnaphthalene	40.000	37.152	7.1	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.450	6.4	109	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.862	-2.2	109	0.00
42	S	2,4,6-Tribromophenol	80.000	75.804	5.2	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.755	3.1	108	0.00
44		2,4,5-Trichlorophenol	40.000	36.919	7.7	108	0.00
45	S	2-Fluorobiphenyl	80.000	71.765	10.3	107	0.00
46		1,1'-Biphenyl	40.000	37.042	7.4	108	0.00
47		2-Chloronaphthalene	40.000	36.699	8.3	109	0.00

Sample Results: **BF141301.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.111	4.7	109	0.00
49		Acenaphthylene	40.000	37.463	6.3	109	0.00
50		Dimethylphthalate	40.000	37.298	6.8	111	0.00
51		2,6-Dinitrotoluene	40.000	37.386	6.5	108	0.00
52	C	Acenaphthene	40.000	37.171	7.1	109	0.00
53		3-Nitroaniline	40.000	38.456	3.9	106	0.00
54	P	2,4-Dinitrophenol	40.000	38.081	4.8	103	0.00
55		Dibenzofuran	40.000	36.923	7.7	108	0.00
56	P	4-Nitrophenol	40.000	39.302	1.7	108	-0.01
57		2,4-Dinitrotoluene	40.000	38.142	4.6	109	0.00
58		Fluorene	40.000	36.459	8.9	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.118	2.2	112	0.00
60		Diethylphthalate	40.000	37.157	7.1	108	0.00
61		4-Chlorophenyl-phenylether	40.000	36.875	7.8	109	0.00
62		4-Nitroaniline	40.000	38.976	2.6	111	-0.01
63		Azobenzene	40.000	37.363	6.6	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.499	-3.7	109	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.717	5.7	109	0.00
67		4-Bromophenyl-phenylether	40.000	38.519	3.7	111	0.00
68		Hexachlorobenzene	40.000	38.606	3.5	112	0.00
69		Atrazine	40.000	35.925	10.2	102	0.00
70	C	Pentachlorophenol	40.000	40.848	-2.1	111	0.00
71		Phenanthrene	40.000	37.489	6.3	110	0.00
72		Anthracene	40.000	37.517	6.2	109	0.00
73		Carbazole	40.000	38.060	4.8	110	0.00
74		Di-n-butylphthalate	40.000	38.646	3.4	112	0.00
75	C	Fluoranthene	40.000	37.857	5.4	111	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77		Benzidine	40.000	45.623	-14.1	112	0.00
78		Pyrene	40.000	37.019	7.5	113	0.00
79	S	Terphenyl-d14	80.000	73.075	8.7	112	0.00
80		Butylbenzylphthalate	40.000	38.238	4.4	114	0.00
81		Benzo(a)anthracene	40.000	35.173	12.1	106	0.00
82		3,3'-Dichlorobenzidine	40.000	37.051	7.4	108	0.00
83		Chrysene	40.000	37.578	6.1	117	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.511	6.2	113	0.00
85	c	Di-n-octyl phthalate	40.000	36.853	7.9	110	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	107	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.195	7.0	102	-0.02
88		Benzo(b)fluoranthene	40.000	36.951	7.6	111	-0.02
89		Benzo(k)fluoranthene	40.000	37.889	5.3	104	-0.02
90	C	Benzo(a)pyrene	40.000	38.001	5.0	107	-0.02
91		Dibenzo(a,h)anthracene	40.000	37.155	7.1	102	-0.03
92		Benzo(g,h,i)perylene	40.000	36.865	7.8	102	-0.04

Sample Results: **BF141301.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141336.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.218		-6.5	
Benzaldehyde	0.960	0.972		1.3	
Phenol-d6	1.657	1.534		-7.4	
Phenol	1.757	1.652		-6.0	20.0
bis(2-Chloroethyl)ether	1.347	1.267		-5.9	
2-Chlorophenol	1.396	1.307		-6.4	
2-Methylphenol	1.135	1.062		-6.4	
2,2-oxybis(1-Chloropropane)	2.342	2.199		-6.1	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.318		-5.4	
n-Nitroso-di-n-propylamine	0.985	0.946	0.050	-4.0	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Isophorone	0.656	0.622		-5.2	
2-Nitrophenol	0.185	0.175		-5.4	20.0
2,4-Dimethylphenol	0.236	0.224		-5.1	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.272		-5.9	20.0
Naphthalene	1.057	0.966		-8.6	
4-Chloroaniline	0.358	0.329		-8.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.341		10.0	20.0
2-Methylnaphthalene	0.672	0.618		-8.0	
Hexachlorocyclopentadiene	0.168	0.159	0.050	-5.4	
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
1,1-Biphenyl	1.560	1.427		-8.5	
2-Chloronaphthalene	1.216	1.102		-9.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.290		-4.5	
Acenaphthylene	1.702	1.577		-7.3	
2,6-Dinitrotoluene	0.314	0.300		-4.5	
3-Nitroaniline	0.307	0.292		-4.9	
Acenaphthene	1.216	1.127		-7.3	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.300	0.050	33.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.481		-9.0	
2,4-Dinitrotoluene	0.406	0.427		5.2	
Diethylphthalate	1.310	1.249		-4.7	
4-Chlorophenyl-phenylether	0.617	0.562		-8.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.288		-4.6	
4,6-Dinitro-2-methylphenol	0.118	0.131		11.0	
n-Nitrosodiphenylamine	0.647	0.627		-3.1	20.0
2,4,6-Tribromophenol	0.183	0.177		-3.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.216	0.184		-14.8	
Pentachlorophenol	0.139	0.186		33.8	20.0
Phenanthrene	1.075	1.016		-5.5	
Anthracene	1.053	0.999		-5.1	
Carbazole	0.934	0.892		-4.5	
Di-n-butylphthalate	1.132	1.116		-1.4	
Fluoranthene	1.062	1.011		-4.8	20.0
Pyrene	1.920	1.949		1.5	
Terphenyl-d14	1.297	1.177		-9.3	
Butylbenzylphthalate	0.671	0.656		-2.2	
3,3-Dichlorobenzidine	0.439	0.397		-9.6	
Benzo(a)anthracene	1.380	1.181		-14.4	
Chrysene	1.265	1.179		-6.8	
Bis(2-ethylhexyl)phthalate	0.851	0.815		-4.2	
Di-n-octyl phthalate	1.321	1.285		-2.7	20.0
Benzo(b)fluoranthene	1.258	1.168		-7.2	
Benzo(k)fluoranthene	1.114	1.042		-6.5	
Benzo(a)pyrene	1.063	0.991		-6.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.238		-4.1	
Dibenzo(a,h)anthracene	1.039	0.999		-3.8	
Benzo(g,h,i)perylene	1.080	1.050		-2.8	
1,2,4,5-Tetrachlorobenzene	0.569	0.515		-9.5	
1,4-Dioxane	0.573	0.545		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.310		-2.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140033	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	558386	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	299701	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493954	20.000	ng	0.00
76) Chrysene-d12	13.968	240	281629	20.000	ng	0.00
86) Perylene-d12	15.433	264	286623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	682309	74.803	ng	-0.01
7) Phenol-d6	6.428	99	859443	74.066	ng	-0.01
23) Nitrobenzene-d5	7.363	82	776494	73.308	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	211897	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376427	70.690	ng	0.00
79) Terphenyl-d14	12.910	244	1325492	72.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	152703	38.066	ng	99
3) Pyridine	3.210	79	371435	38.429	ng	100
4) n-Nitrosodimethylamine	3.163	42	210093	38.050	ng	100
6) Aniline	6.457	93	376476	38.328	ng	93
8) 2-Chlorophenol	6.581	128	365957	37.432	ng	99
9) Benzaldehyde	6.345	77	272105	40.484	ng	99
10) Phenol	6.440	94	462764	37.622	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	354960	37.636	ng	99
12) 1,3-Dichlorobenzene	6.740	146	403414	37.423	ng	99
13) 1,4-Dichlorobenzene	6.816	146	402314	37.151	ng	100
14) 1,2-Dichlorobenzene	6.969	146	377953	37.272	ng	99
15) Benzyl Alcohol	6.939	79	308313	38.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	615868	37.552	ng	100
17) 2-Methylphenol	7.051	107	297446	37.434	ng	98
18) Hexachloroethane	7.310	117	150153	37.585	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	264932	38.424	ng	96
20) 3+4-Methylphenols	7.204	107	369223	37.845	ng	99
22) Acetophenone	7.210	105	473548	35.678	ng	100
24) Nitrobenzene	7.381	77	407415	37.116	ng	100
25) Isophorone	7.622	82	694555	37.934	ng	99
26) 2-Nitrophenol	7.698	139	195489	37.762	ng	99
27) 2,4-Dimethylphenol	7.734	122	250385	37.999	ng	98
28) bis(2-Chloroethoxy)met...	7.834	93	431598	36.955	ng	100
29) 2,4-Dichlorophenol	7.939	162	303375	37.608	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	333619	36.214	ng	100
31) Naphthalene	8.104	128	1078465	36.561	ng	100
32) Benzoic acid	7.845	122	252577	41.698	ng	99
33) 4-Chloroaniline	8.151	127	367291	36.719	ng	99
34) Hexachlorobutadiene	8.222	225	200005	37.021	ng	100
35) Caprolactam	8.522	113	101967	38.705	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	380639	43.991	ng	98
37) 2-Methylnaphthalene	8.792	142	690288	36.818	ng	98
38) 1-Methylnaphthalene	8.892	142	675547	36.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	308854	36.224	ng	99
41) Hexachlorocyclopentadiene	8.945	237	95556	37.949	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	218757	39.199	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

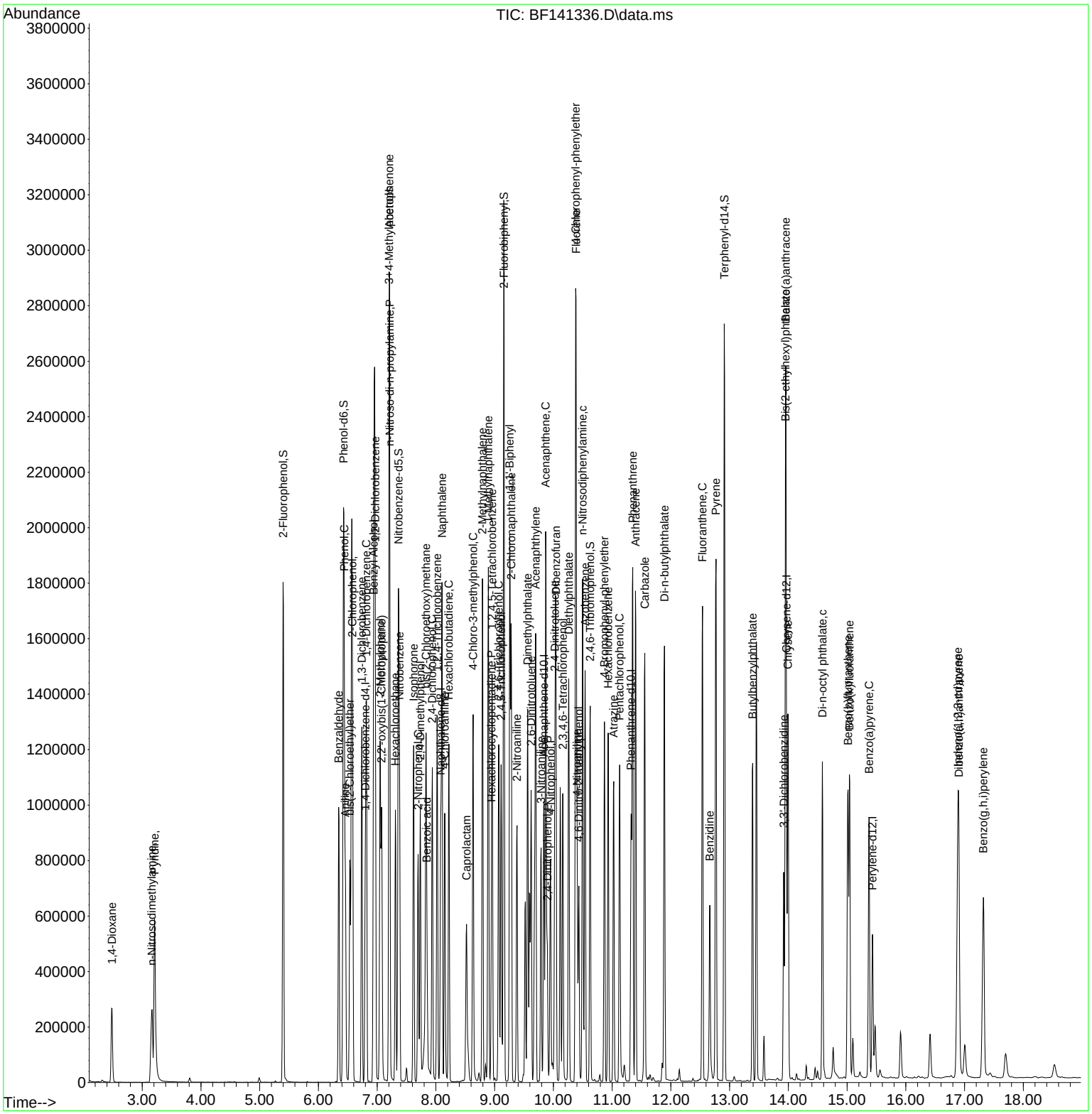
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	228427	37.608	ng	100
46) 1,1'-Biphenyl	9.257	154	855111	36.585	ng	100
47) 2-Chloronaphthalene	9.281	162	660426	36.251	ng	100
48) 2-Nitroaniline	9.381	65	219643	38.330	ng	100
49) Acenaphthylene	9.698	152	945423	37.073	ng	100
50) Dimethylphthalate	9.563	163	773243	38.200	ng	100
51) 2,6-Dinitrotoluene	9.622	165	179857	38.268	ng	99
52) Acenaphthene	9.869	154	675302	37.066	ng	99
53) 3-Nitroaniline	9.792	138	174746	37.936	ng	98
54) 2,4-Dinitrophenol	9.898	184	90166	41.270	ng	99
55) Dibenzofuran	10.045	168	887550	36.395	ng	100
56) 4-Nitrophenol	9.951	139	179822	53.378	ng	99
57) 2,4-Dinitrotoluene	10.028	165	255655	42.014	ng	99
58) Fluorene	10.386	166	690153	36.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	185895	38.903	ng	100
60) Diethylphthalate	10.263	149	748552	38.140	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	336871	36.458	ng	99
62) 4-Nitroaniline	10.404	138	172379	38.063	ng	98
63) Azobenzene	10.539	77	738145	37.573	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	129346	44.270	ng	99
66) n-Nitrosodiphenylamine	10.498	169	619094	38.751	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	216973	39.236	ng	97
68) Hexachlorobenzene	10.933	284	228716	38.991	ng	98
69) Atrazine	11.027	200	181536	33.985	ng	98
70) Pentachlorophenol	11.127	266	184030	53.575	ng	98
71) Phenanthrene	11.351	178	1004184	37.819	ng	100
72) Anthracene	11.398	178	987277	37.948	ng	99
73) Carbazole	11.557	167	881695	38.220	ng	100
74) Di-n-butylphthalate	11.892	149	1102750	39.444	ng	100
75) Fluoranthene	12.539	202	998810	38.098	ng	100
77) Benzidine	12.663	184	349084	38.664	ng	100
78) Pyrene	12.769	202	1097741	40.606	ng	100
80) Butylbenzylphthalate	13.392	149	369304	39.103	ng	99
81) Benzo(a)anthracene	13.957	228	665086	34.223	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	223750	36.200	ng	100
83) Chrysene	13.992	228	664102	37.287	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	458911	38.304	ng	99
85) Di-n-octyl phthalate	14.580	149	723593	38.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	709942	38.376	ng	100
88) Benzo(b)fluoranthene	15.015	252	669775	37.149	ng	100
89) Benzo(k)fluoranthene	15.039	252	597549	37.413	ng	99
90) Benzo(a)pyrene	15.374	252	568194	37.294	ng	100
91) Dibenzo(a,h)anthracene	16.904	278	572387	38.458	ng	100
92) Benzo(g,h,i)perylene	17.321	276	601743	38.883	ng	100

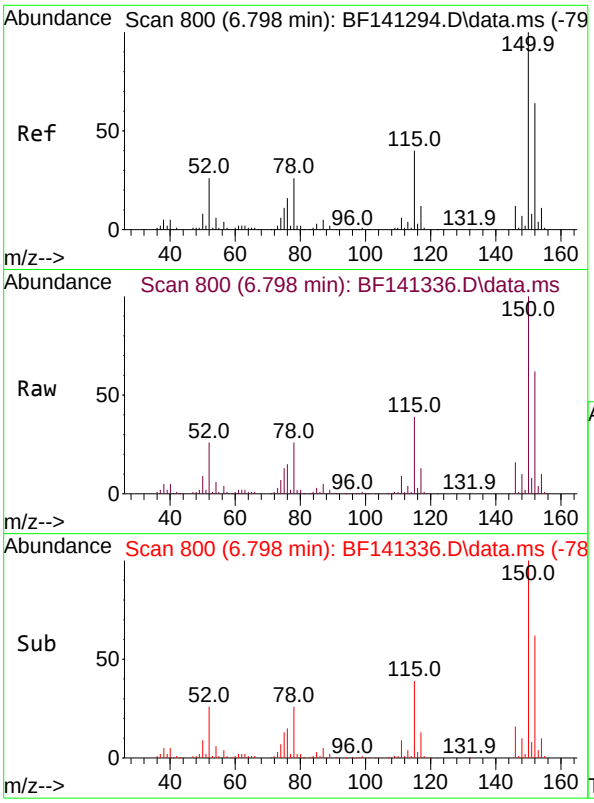
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



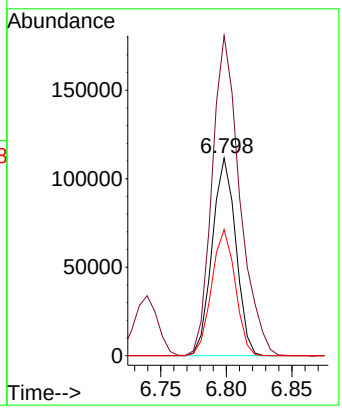


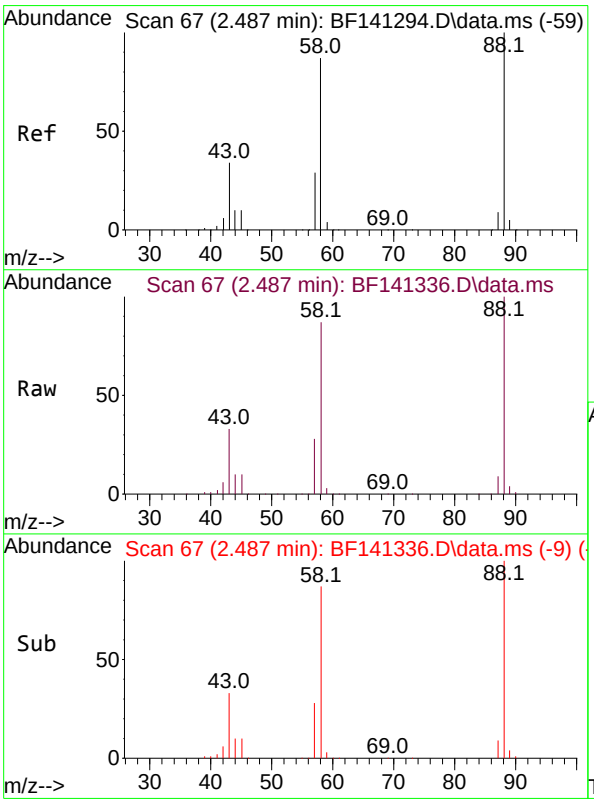
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 140033

Ion	Ratio	Lower	Upper
152	100		
150	161.9	125.9	188.9
115	63.8	49.7	74.5

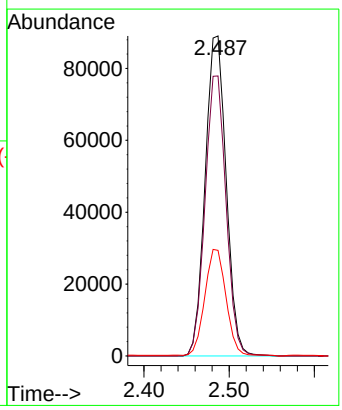


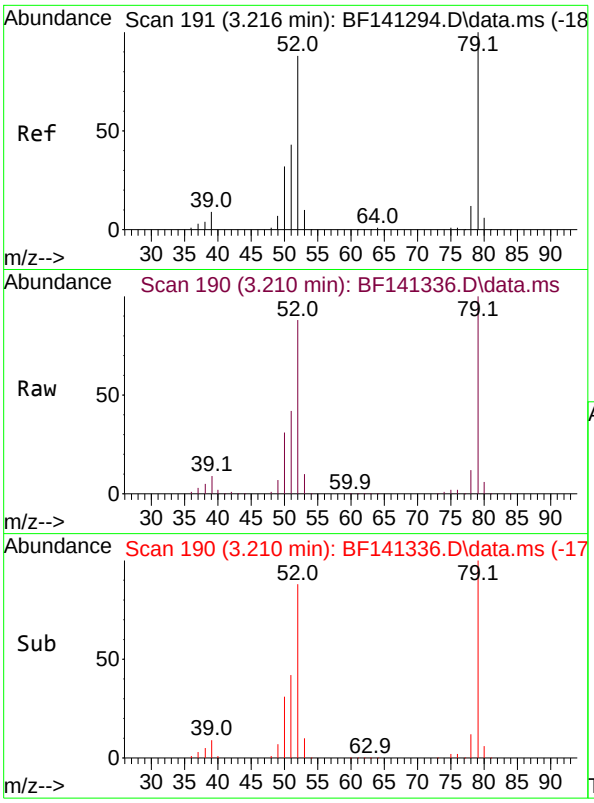


#2
1,4-Dioxane
Concen: 38.066 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 88 Resp: 152703

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	33.9	27.6	41.4



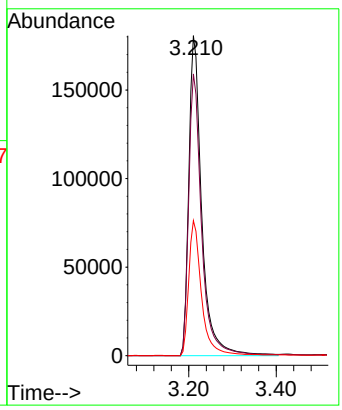


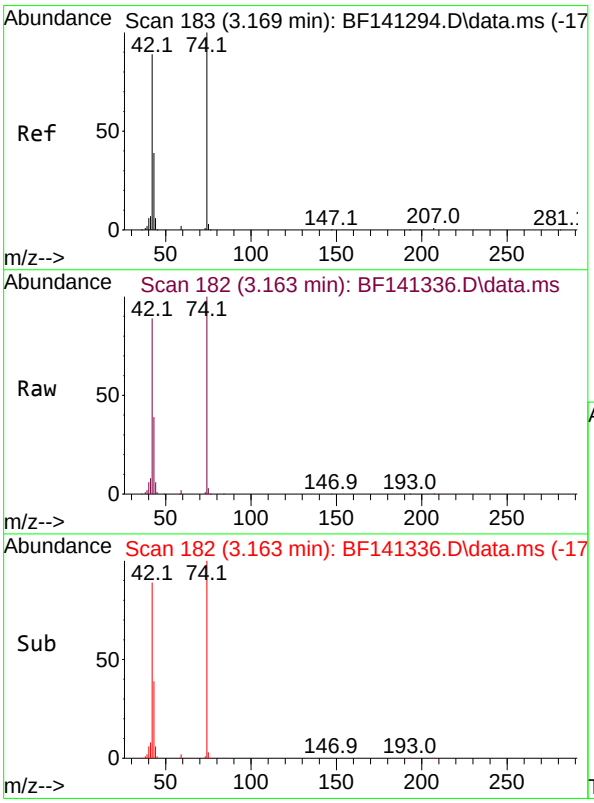
#3
Pyridine
Concen: 38.429 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 371435

Ion	Ratio	Lower	Upper
79	100		
52	88.0	70.3	105.5
51	42.2	34.3	51.5

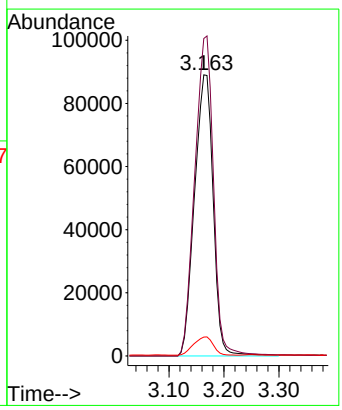


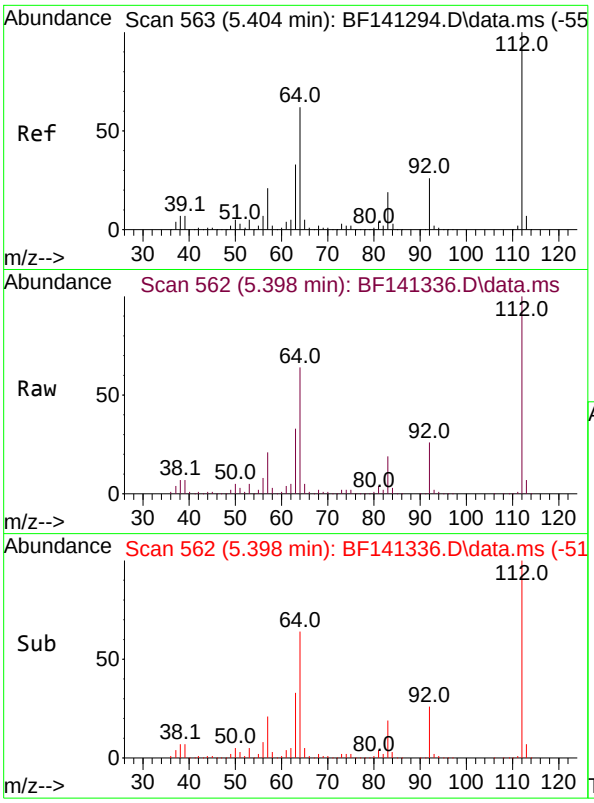


#4
n-Nitrosodimethylamine
Concen: 38.050 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 42 Resp: 210093

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	6.7	5.7	8.5



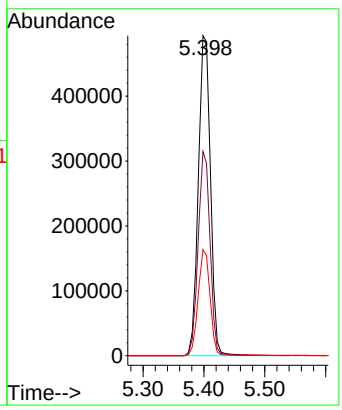


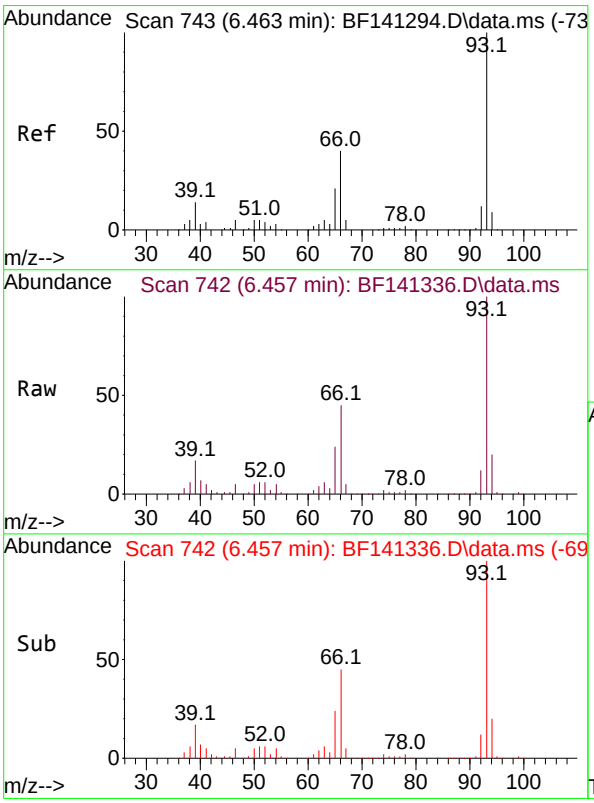
#5
2-Fluorophenol
Concen: 74.803 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 682309

Ion	Ratio	Lower	Upper
112	100		
64	63.7	49.8	74.8
63	33.2	26.1	39.1

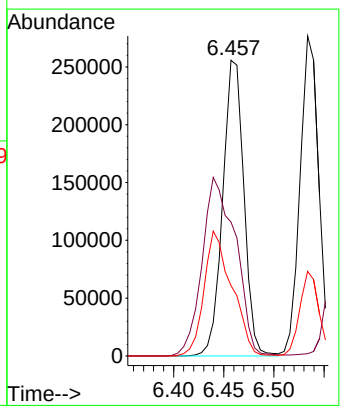


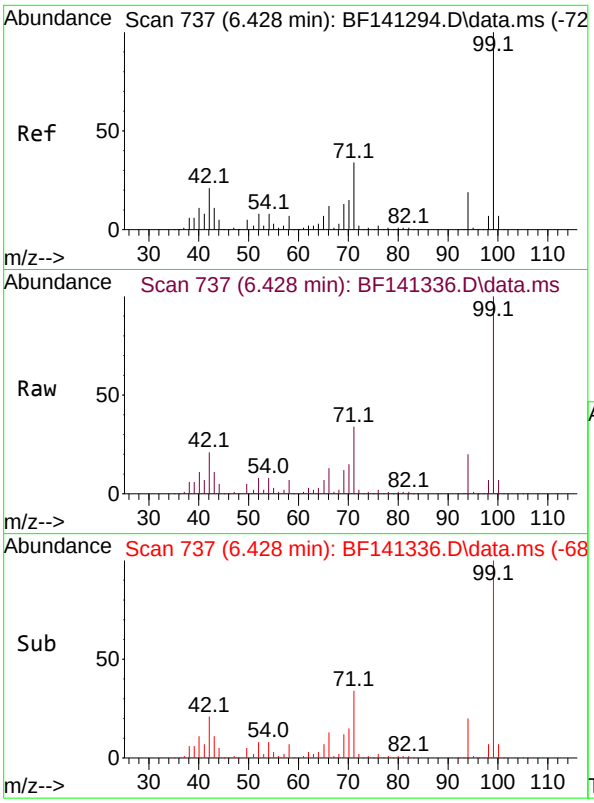


#6
Aniline
Concen: 38.328 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 376476

Ion	Ratio	Lower	Upper
93	100		
66	45.3	32.5	48.7
65	23.8	17.0	25.6



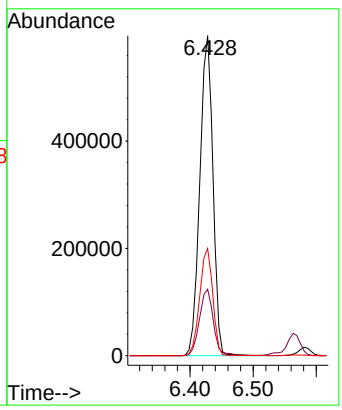


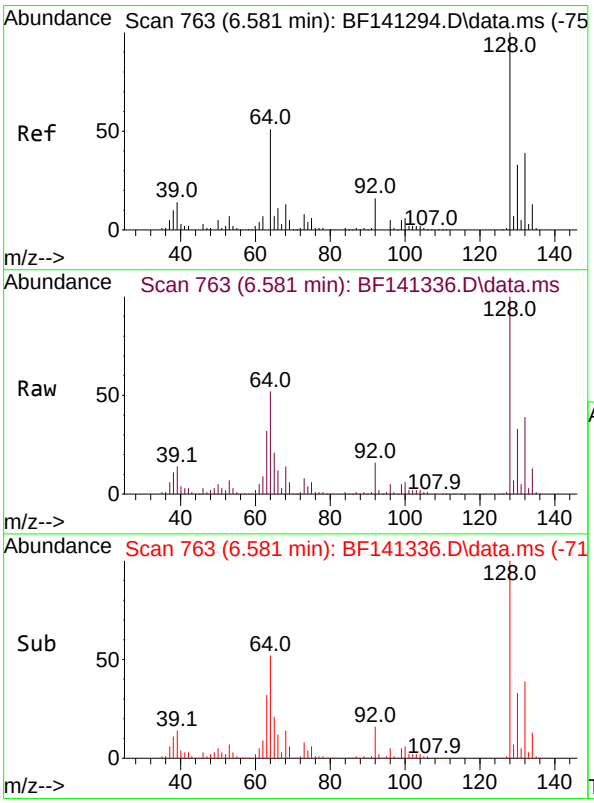
#7
Phenol-d6
Concen: 74.066 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 859443

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.1	25.7
71	33.5	26.9	40.3

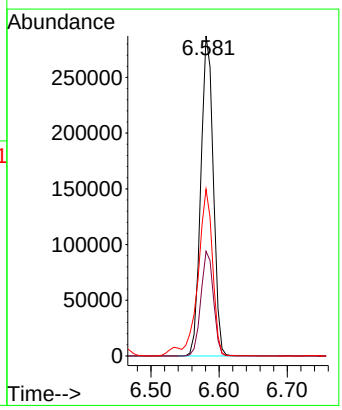


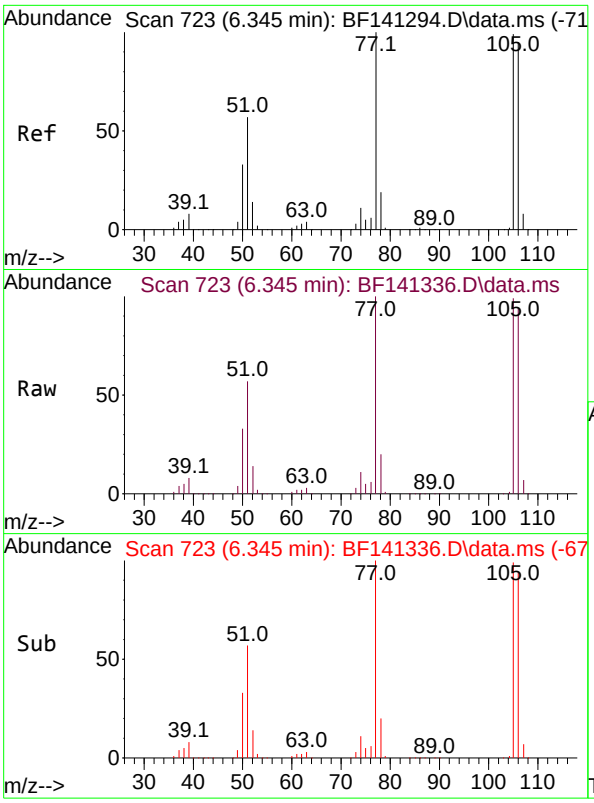


#8
2-Chlorophenol
Concen: 37.432 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:128 Resp: 365957

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	52.1	32.9	72.9



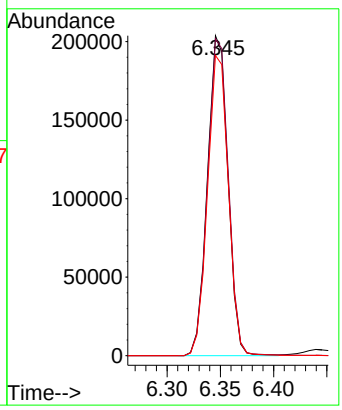


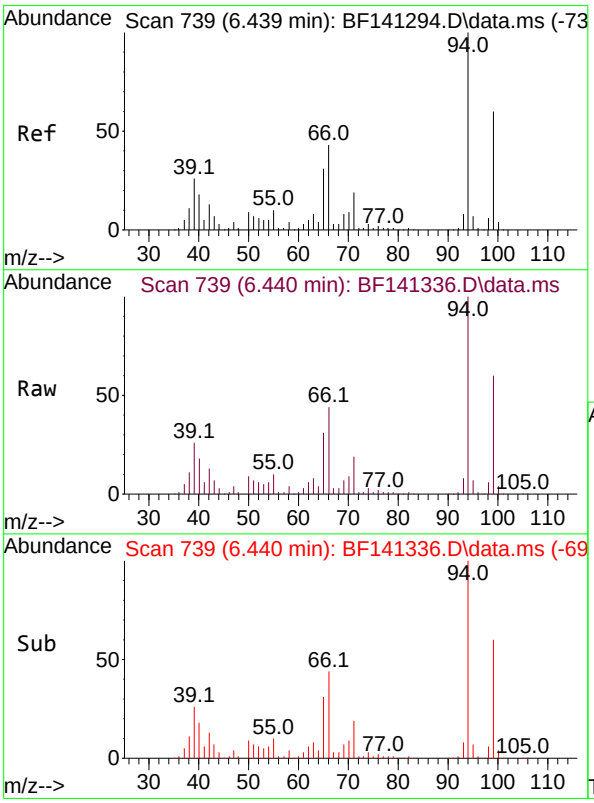
#9
Benzaldehyde
Concen: 40.484 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 272105

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.4	119.4
106	93.8	74.6	114.6

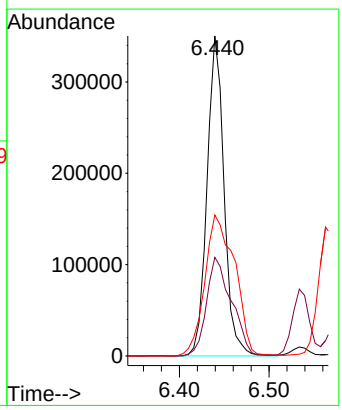


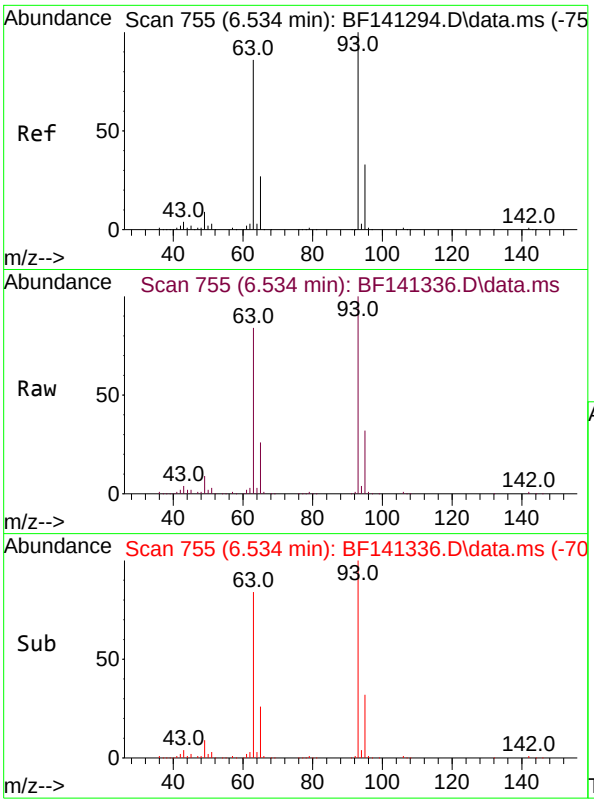


#10
Phenol
Concen: 37.622 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 94 Resp: 462764

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	44.1	23.3	63.3



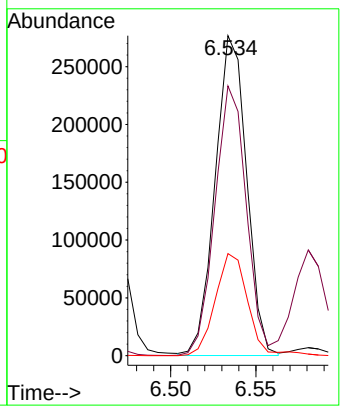


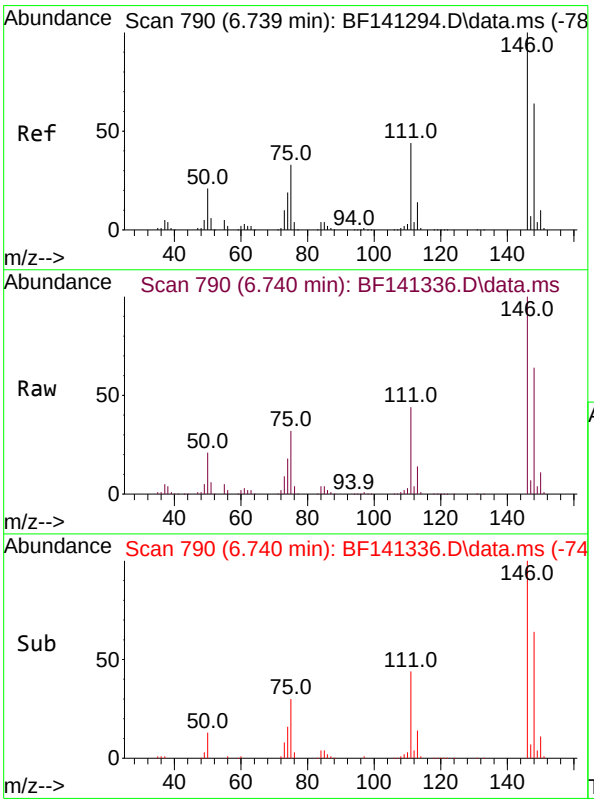
#11
bis(2-Chloroethyl)ether
Concen: 37.636 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 354960

Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.0	105.0
95	31.9	12.4	52.4

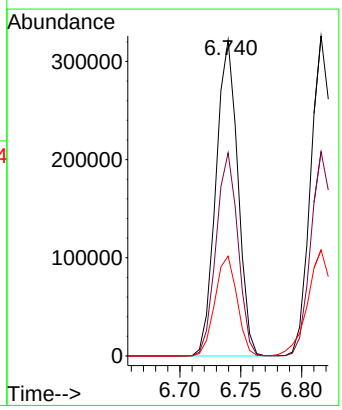


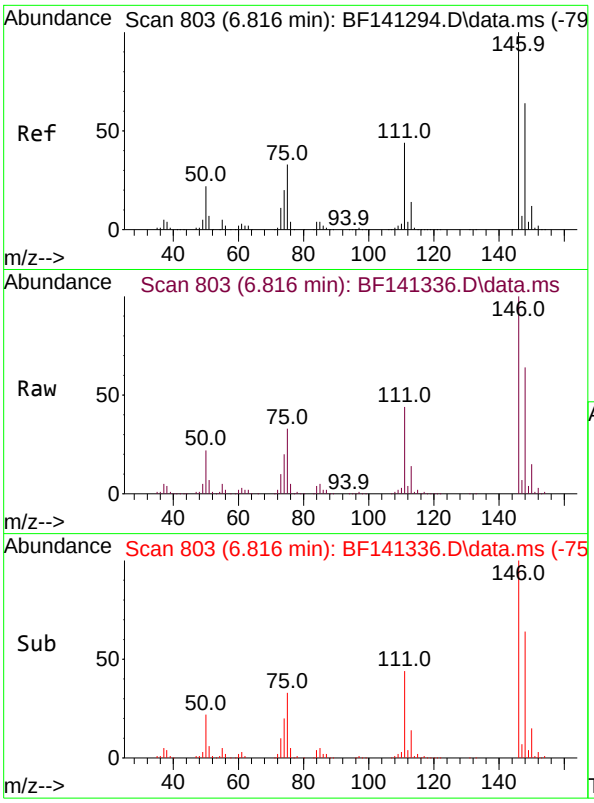


#12
1,3-Dichlorobenzene
Concen: 37.423 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:146 Resp: 403414

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
75	31.6	26.2	39.4



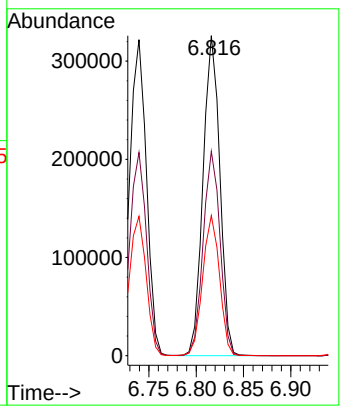


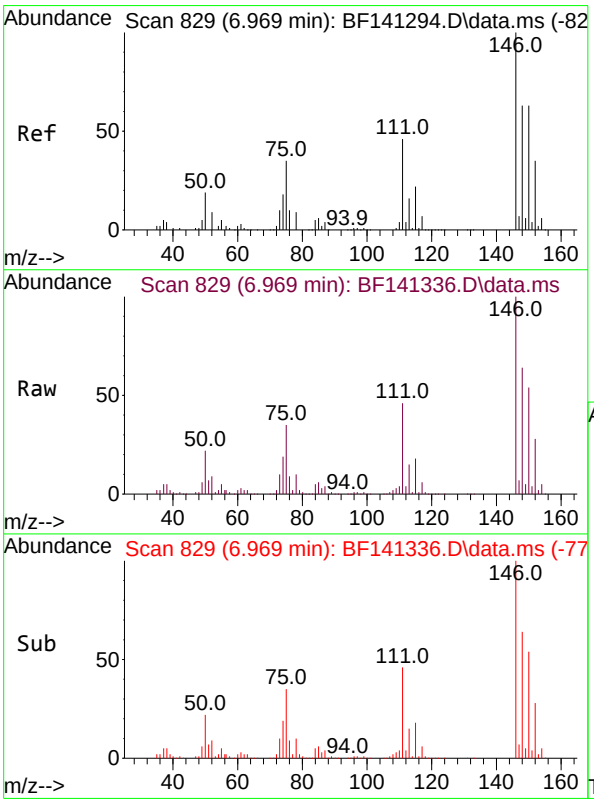
#13
1,4-Dichlorobenzene
Concen: 37.151 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 402314

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	43.7	35.0	52.4

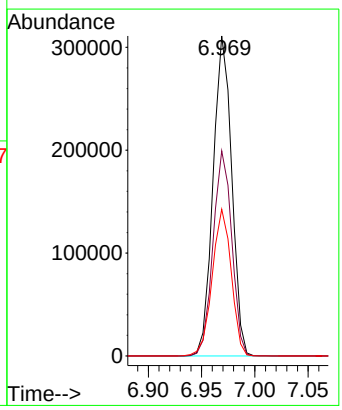


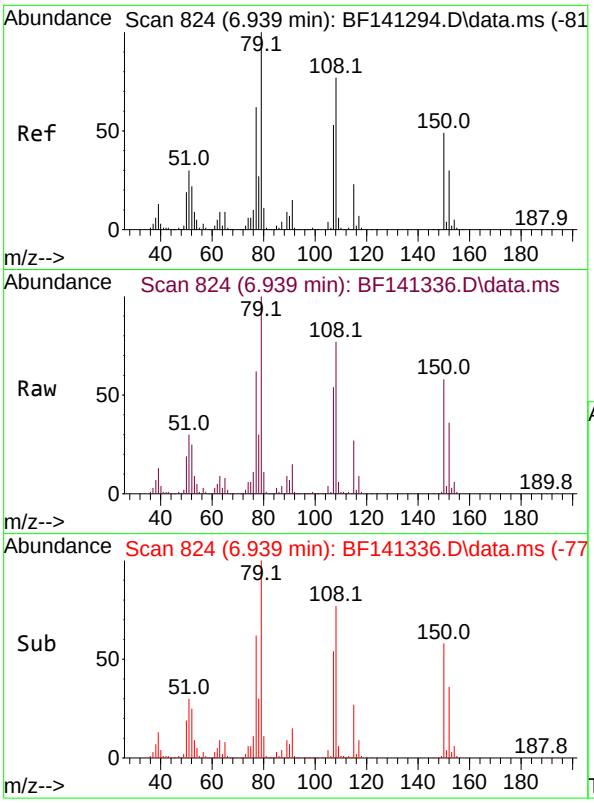


#14
1,2-Dichlorobenzene
Concen: 37.272 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:146 Resp: 377953

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
111	45.9	36.6	55.0



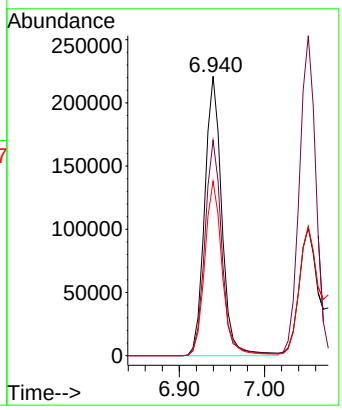


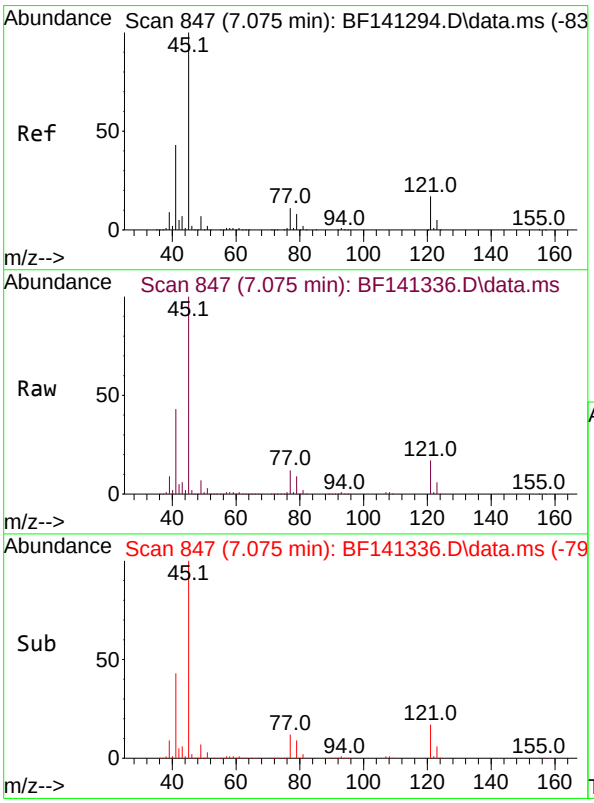
#15
Benzyl Alcohol
Concen: 38.880 ng
RT: 6.939 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 308313

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.4	92.0
77	62.4	49.9	74.9

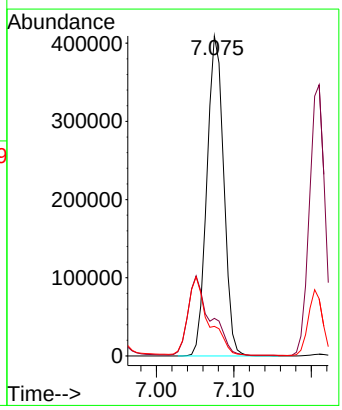


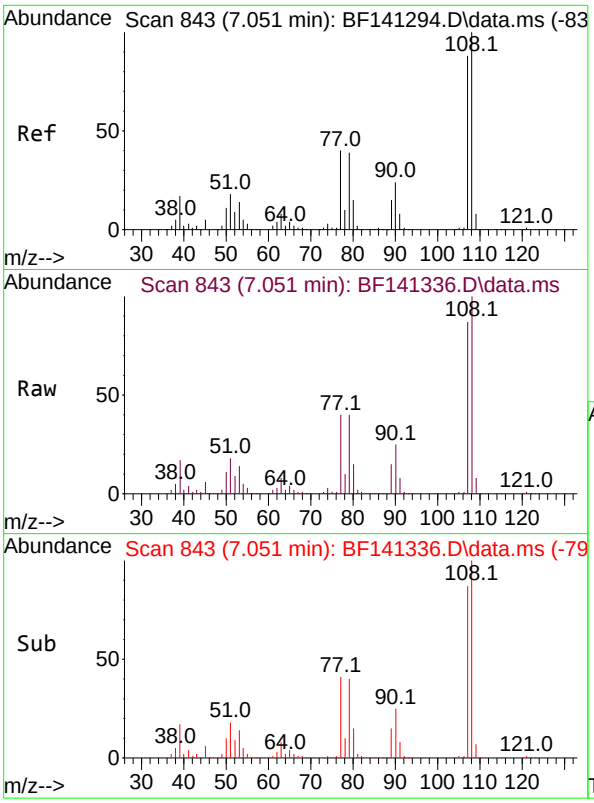


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.552 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 45 Resp: 615868

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.2	0.0	29.1



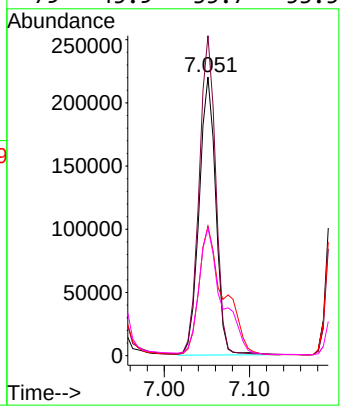


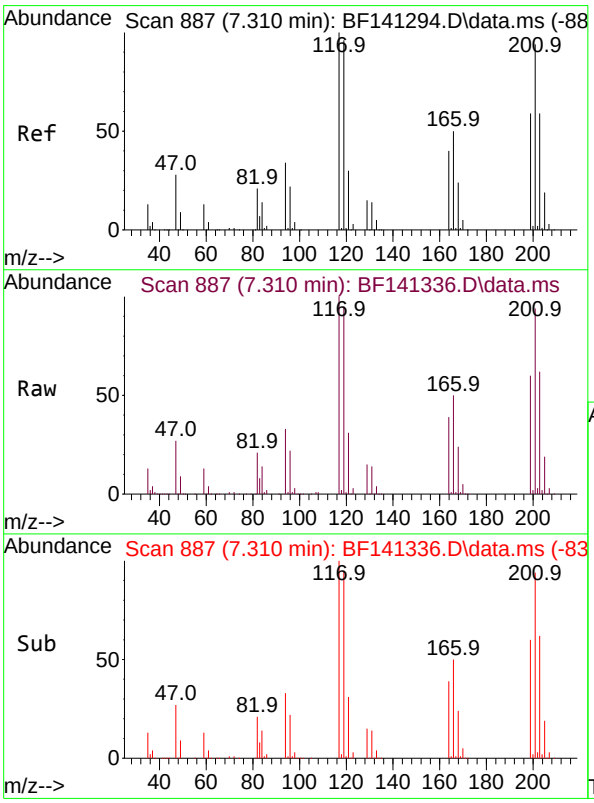
#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 297446

Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.8	136.2
77	46.5	36.2	54.4
79	45.9	35.7	53.5

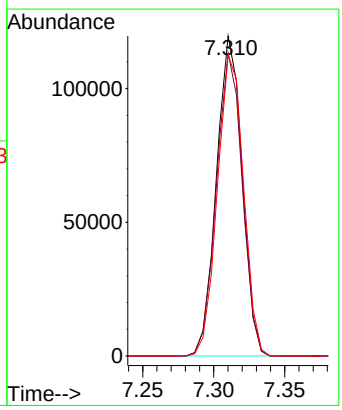


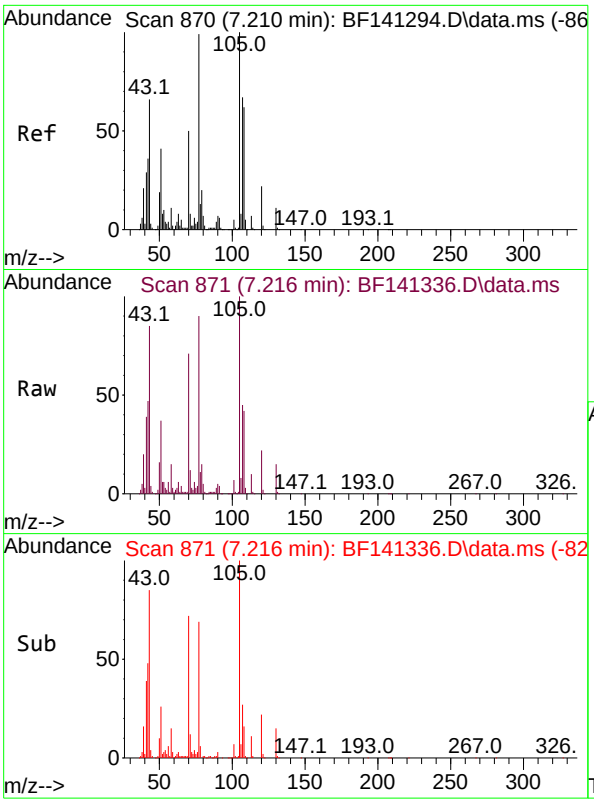


#18
Hexachloroethane
Concen: 37.585 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:117 Resp: 150153

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	114.8
201	94.1	74.8	112.2



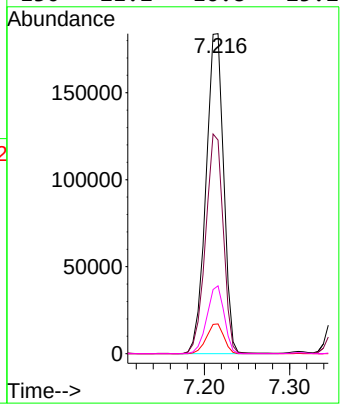


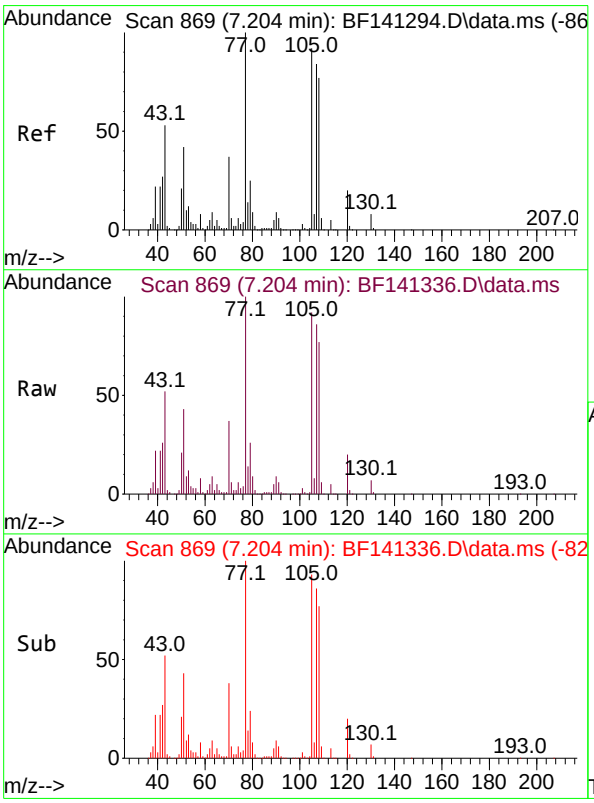
#19
n-Nitroso-di-n-propylamine
Concen: 38.424 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 264932

Ion	Ratio	Lower	Upper
70	100		
42	66.7	56.8	85.2
101	9.3	7.7	11.5
130	21.2	16.8	25.2

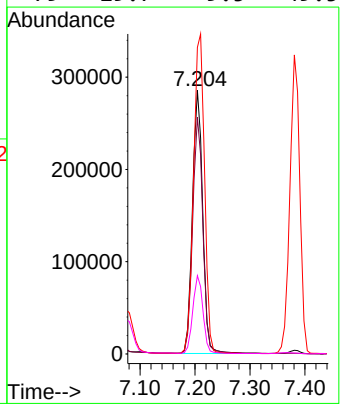


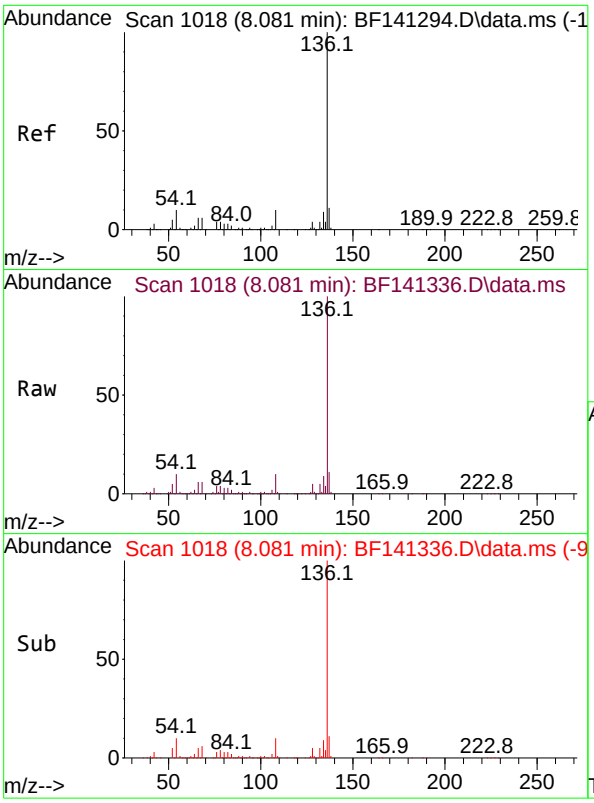


#20
3+4-Methylphenols
Concen: 37.845 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 369223

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.9	110.9
77	116.3	98.5	138.5
79	29.7	9.5	49.5



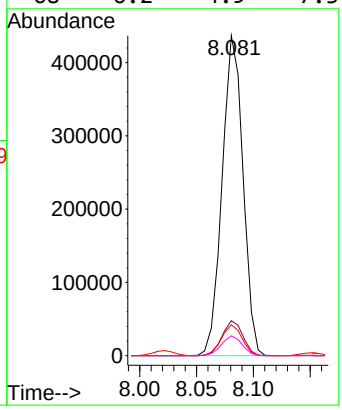


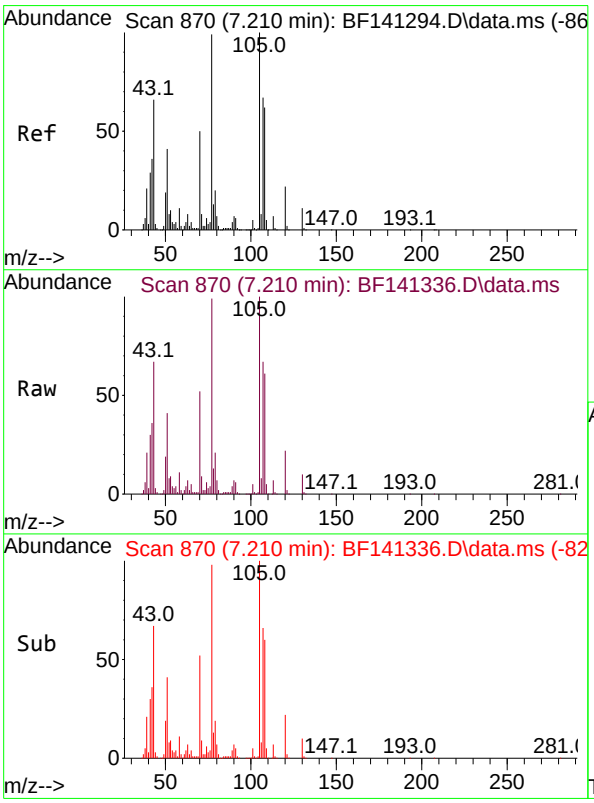
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 558386

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.2	4.9	7.3

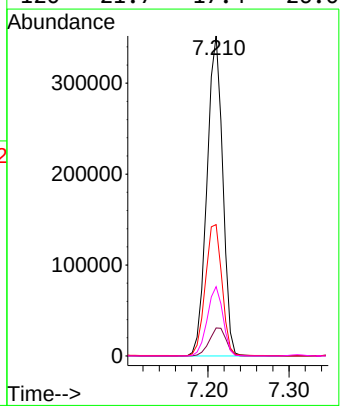


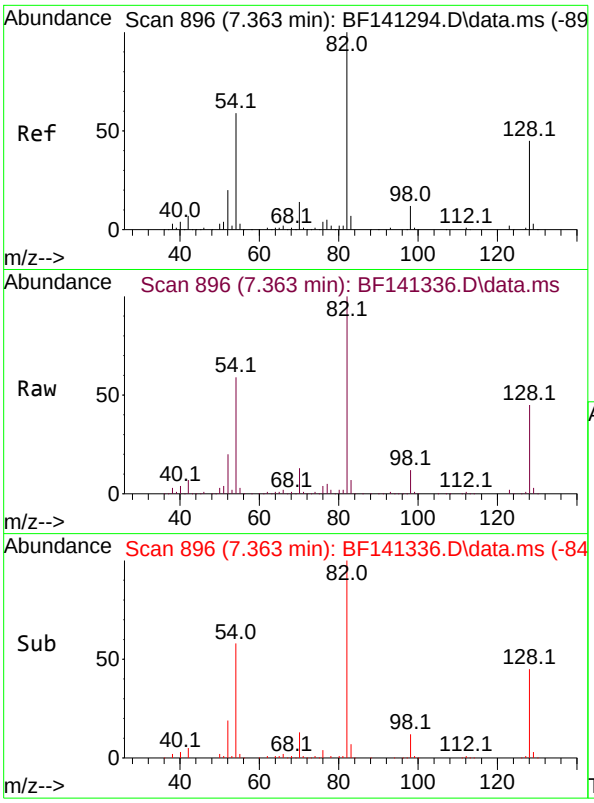


#22
Acetophenone
Concen: 35.678 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:105 Resp: 473548

Ion	Ratio	Lower	Upper
105	100		
71	8.7	6.8	10.2
51	41.1	32.6	49.0
120	21.7	17.4	26.0



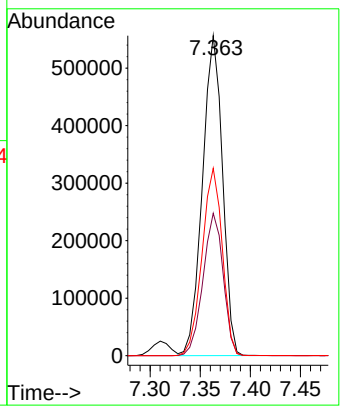


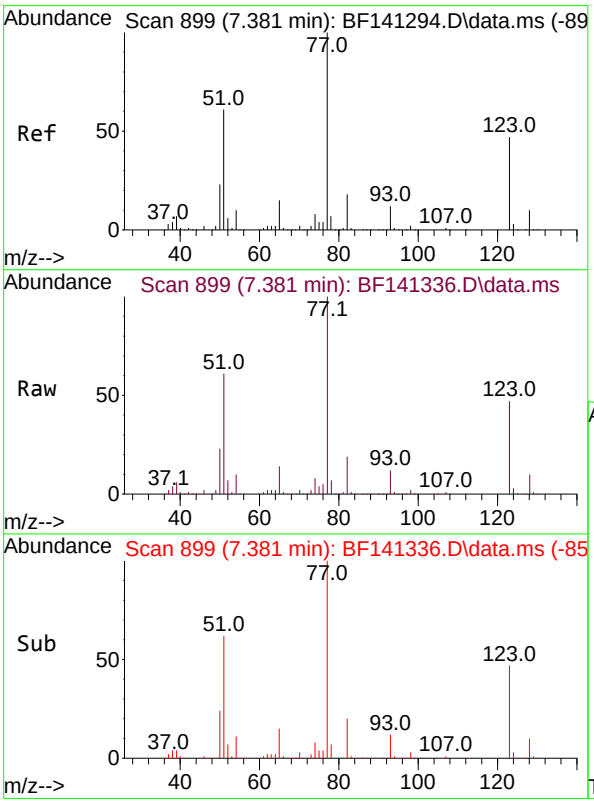
#23
Nitrobenzene-d5
Concen: 73.308 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 776494

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.5	47.1	70.7

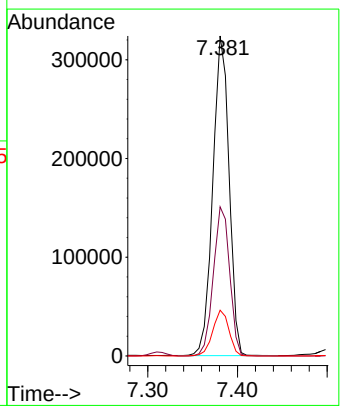


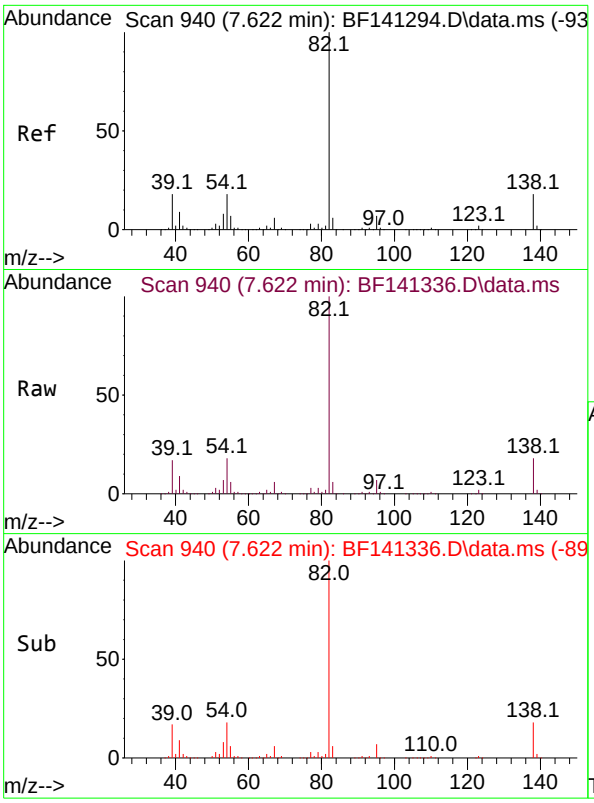


#24
Nitrobenzene
Concen: 37.116 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 77 Resp: 407415

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.3	11.8	17.6



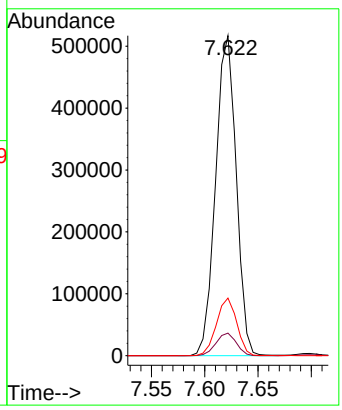


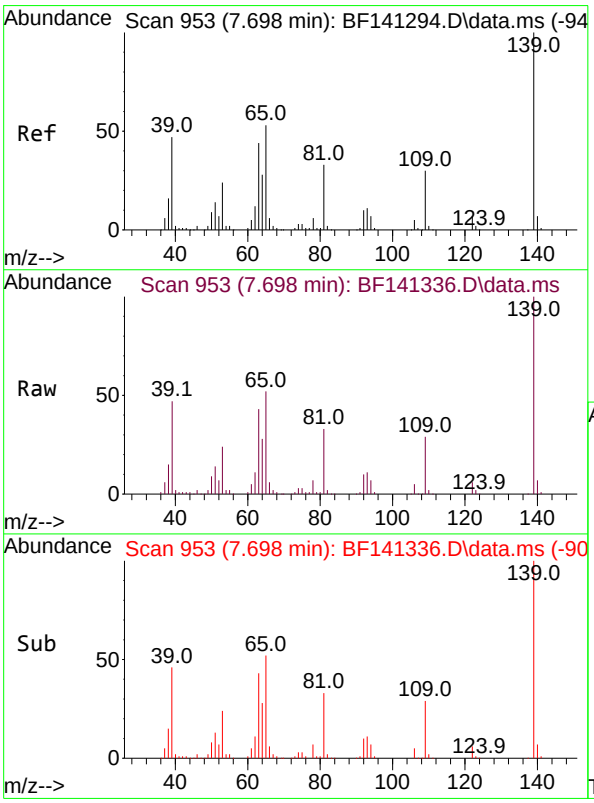
#25
Isophorone
Concen: 37.934 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 694555

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	18.0	14.7	22.1

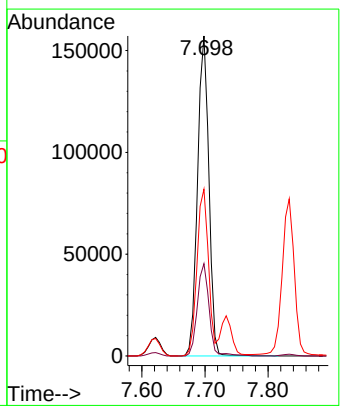


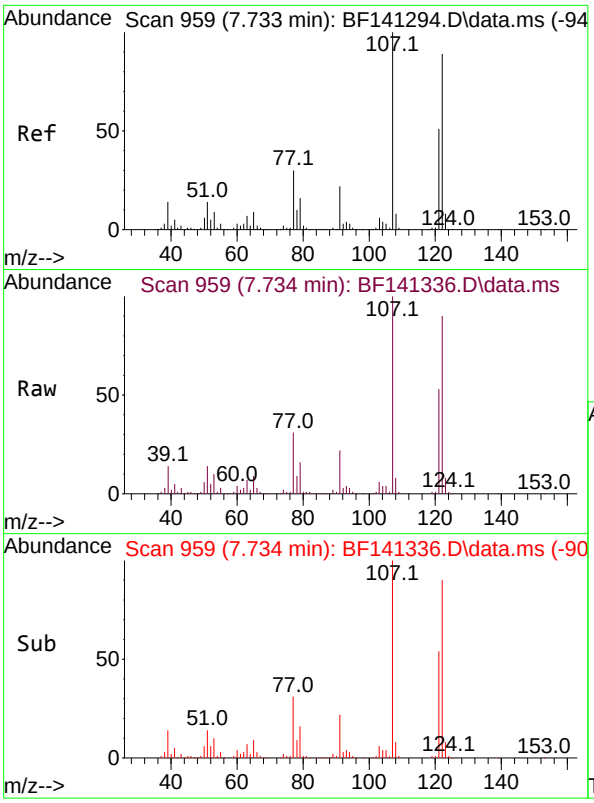


#26
2-Nitrophenol
Concen: 37.762 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:139 Resp: 195489

Ion	Ratio	Lower	Upper
139	100		
109	28.8	23.8	35.6
65	52.1	42.2	63.4



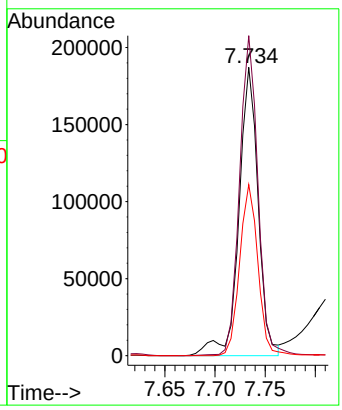


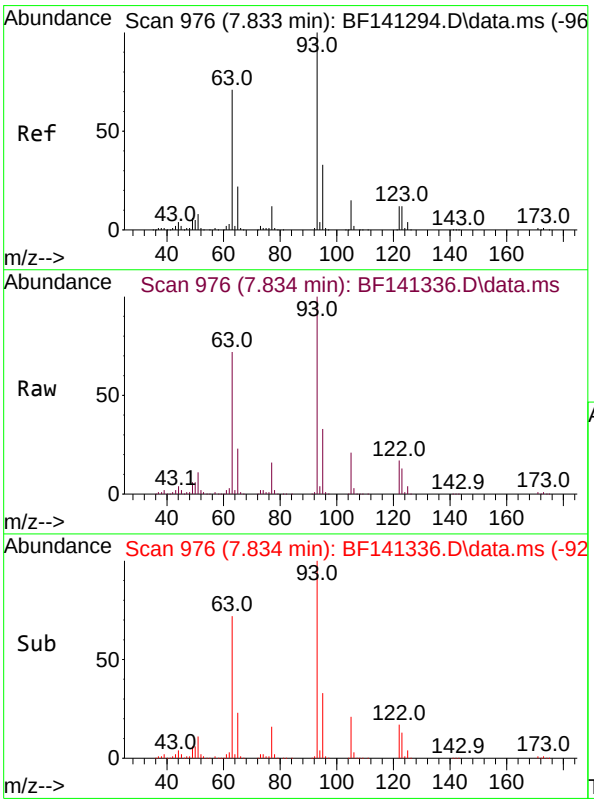
#27
2,4-Dimethylphenol
Concen: 37.999 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 250385

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.9	134.9
121	59.4	46.1	69.1

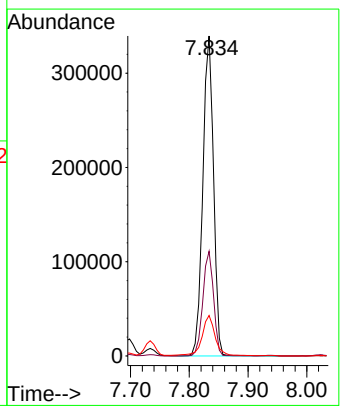


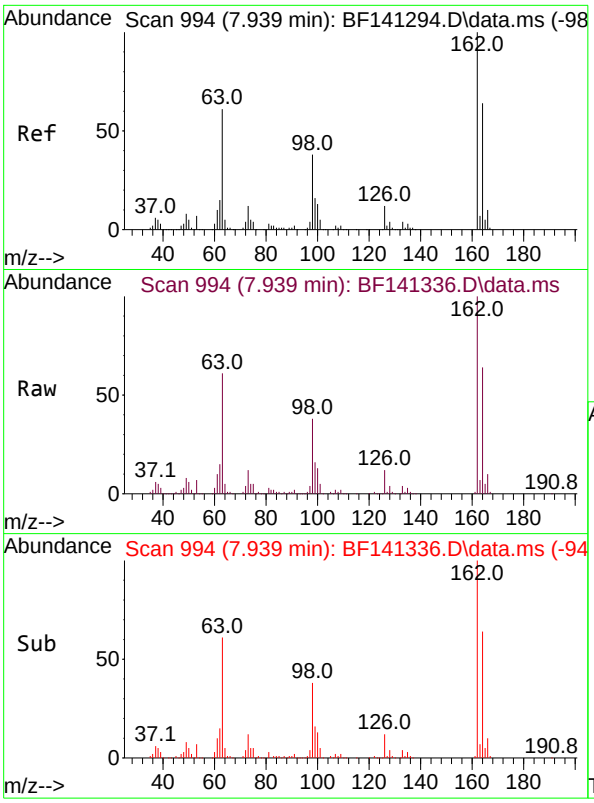


#28
bis(2-Chloroethoxy)methane
Concen: 36.955 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 431598

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.6	10.2	15.4



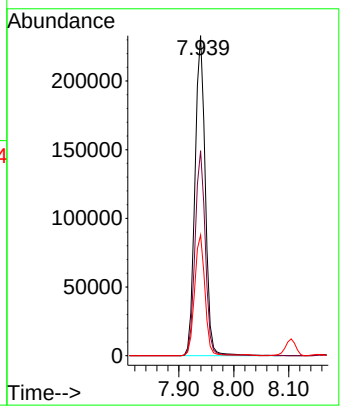


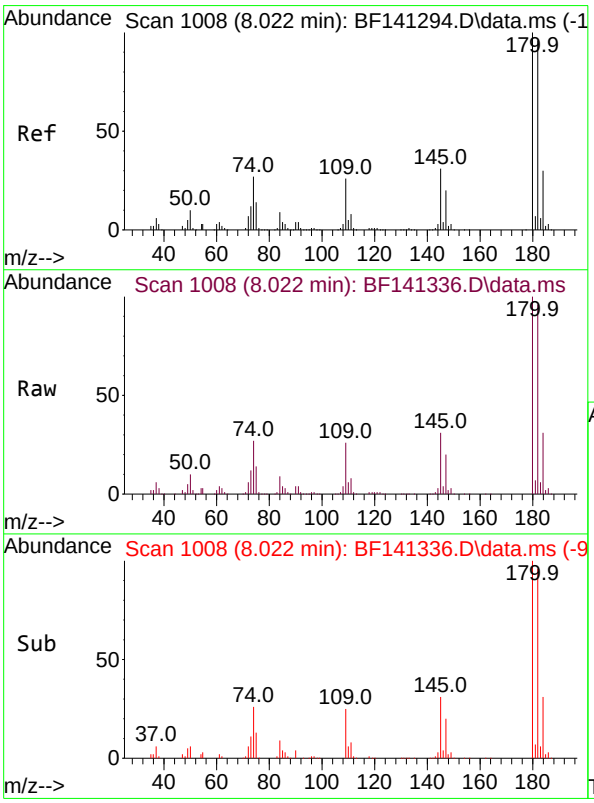
#29
2,4-Dichlorophenol
Concen: 37.608 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 303375

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.2	84.2
98	37.7	18.2	58.2

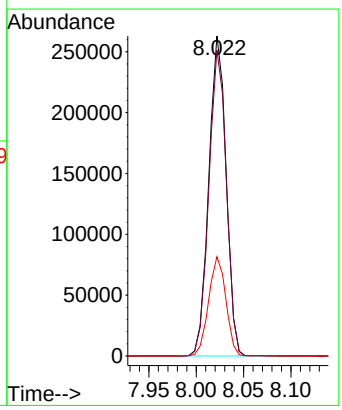


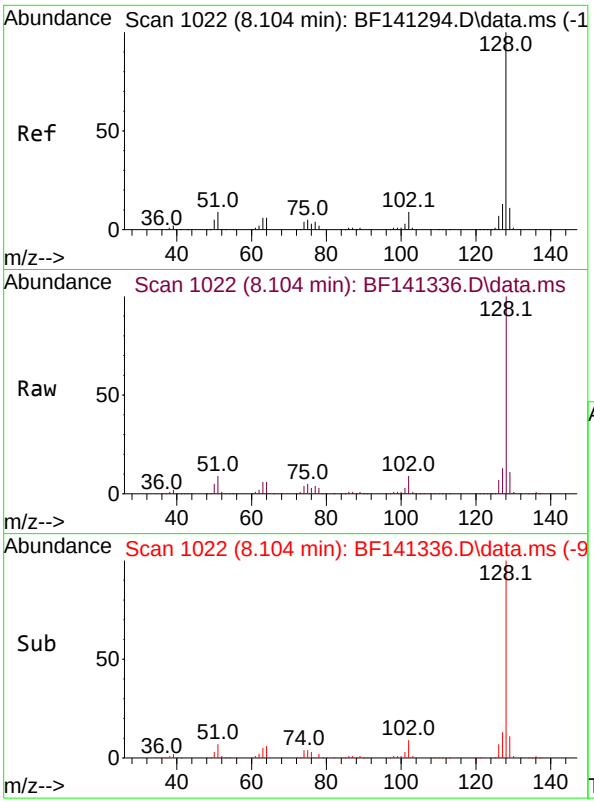


#30
1,2,4-Trichlorobenzene
Concen: 36.214 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:180 Resp: 333619

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.0	24.9	37.3



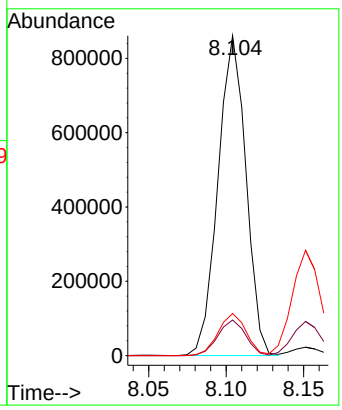


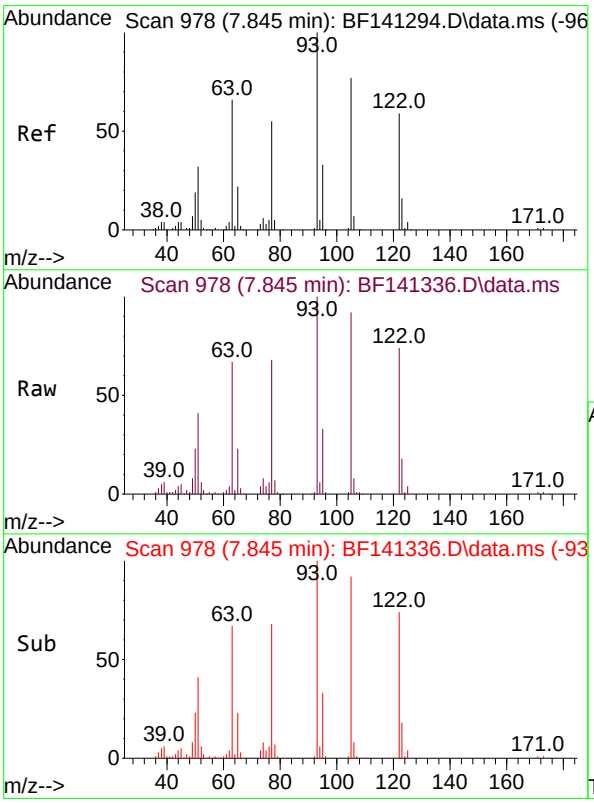
#31
Naphthalene
Concen: 36.561 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1078465

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

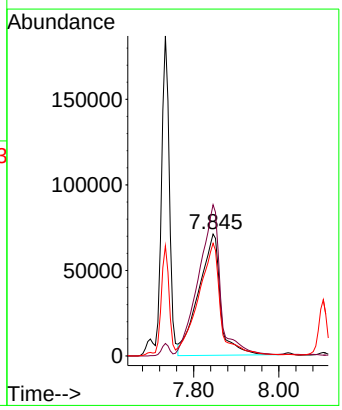


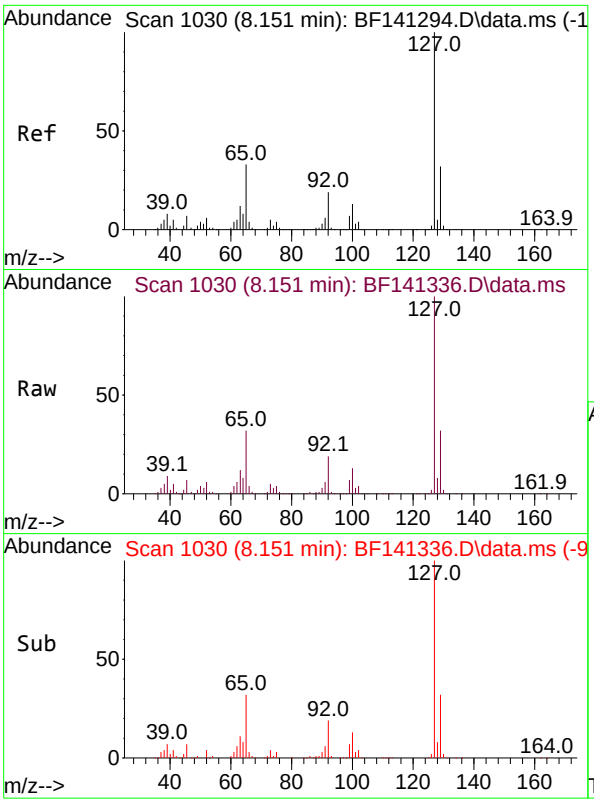


#32
Benzoic acid
Concen: 41.698 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:122 Resp: 252577

Ion	Ratio	Lower	Upper
122	100		
105	124.1	103.4	143.4
77	92.4	70.9	110.9



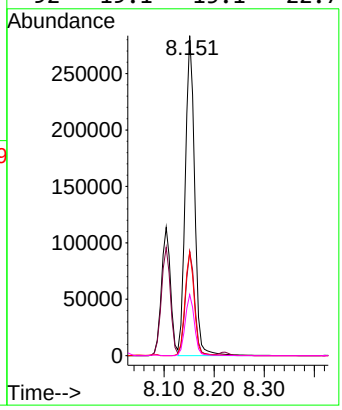


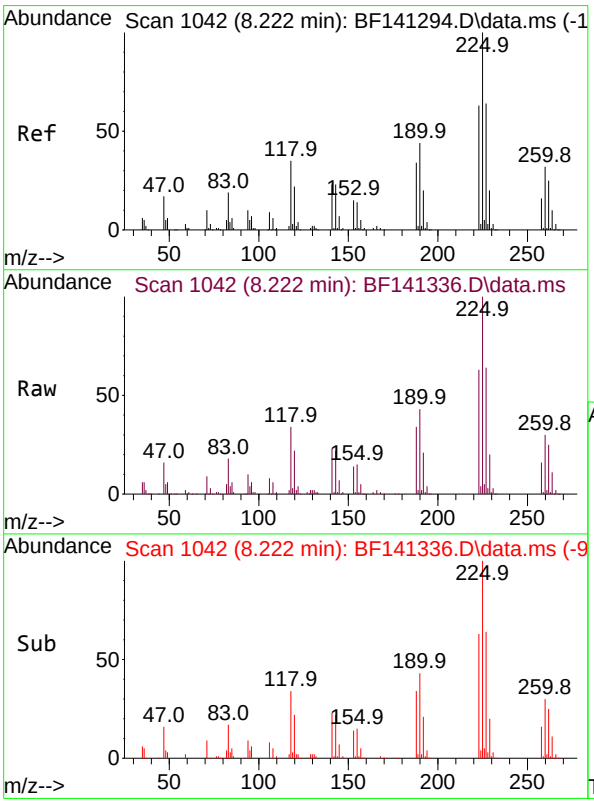
#33
4-Chloroaniline
Concen: 36.719 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 367291

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	32.4	26.4	39.6
92	19.1	15.1	22.7

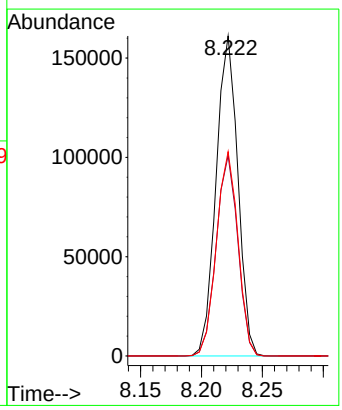


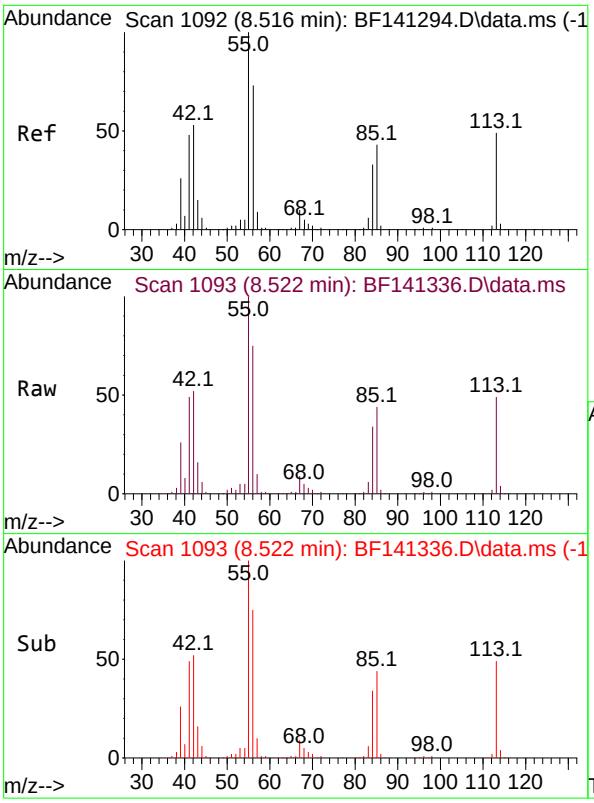


#34
Hexachlorobutadiene
Concen: 37.021 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:225 Resp: 200005

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.4	75.6
227	63.9	51.3	76.9



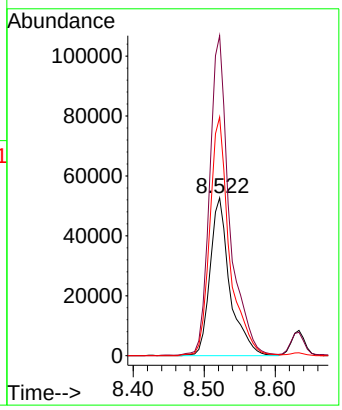


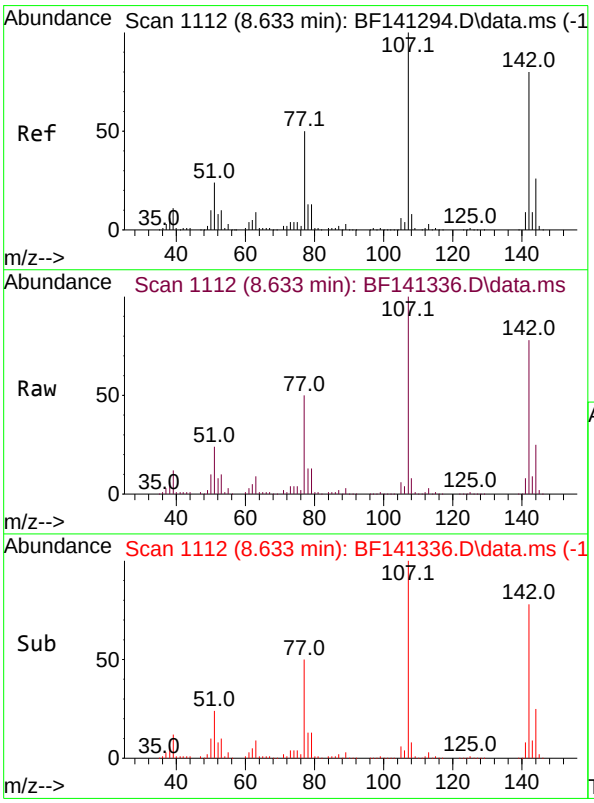
#35
Caprolactam
Concen: 38.705 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 101967

Ion	Ratio	Lower	Upper
113	100		
55	202.8	182.9	222.9
56	151.1	127.9	167.9

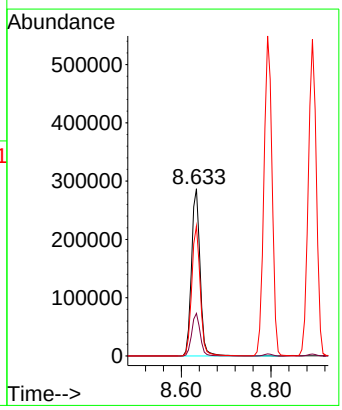


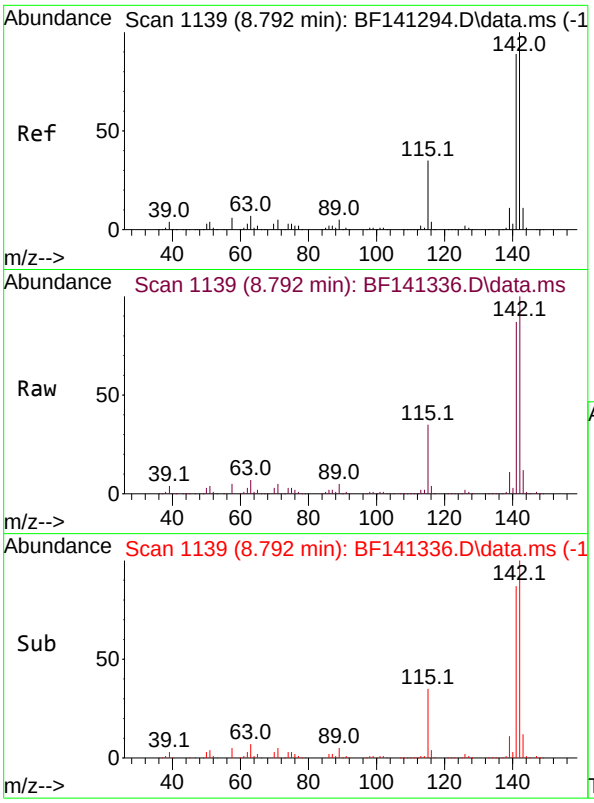


#36
4-Chloro-3-methylphenol
Concen: 43.991 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 380639

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	77.7	63.8	95.8



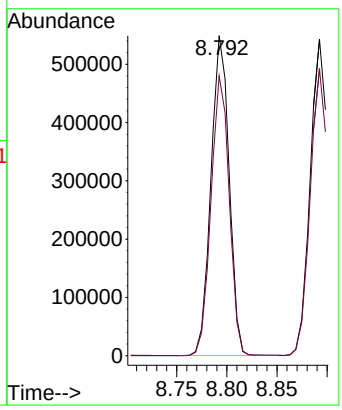


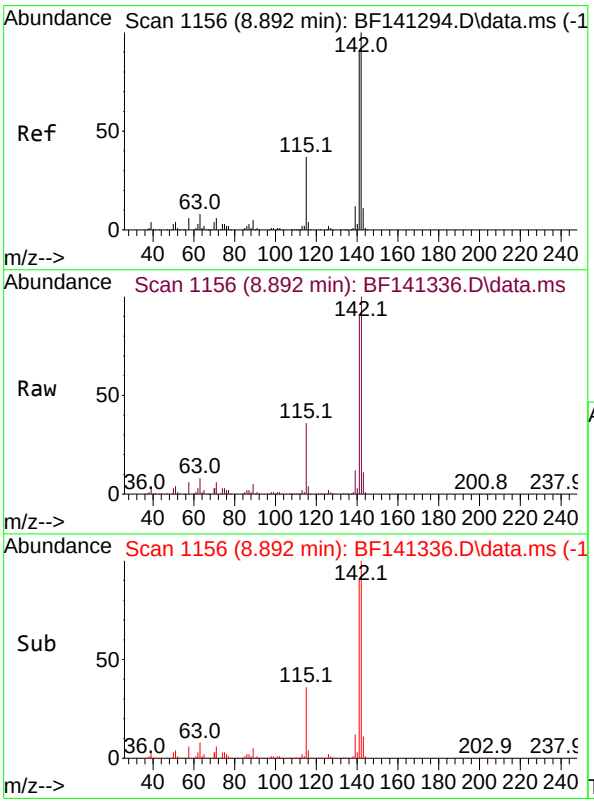
#37
2-Methylnaphthalene
Concen: 36.818 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 690288

Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.3	106.9

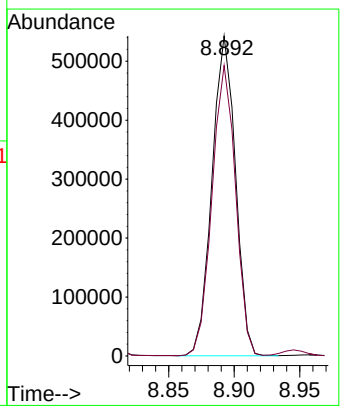


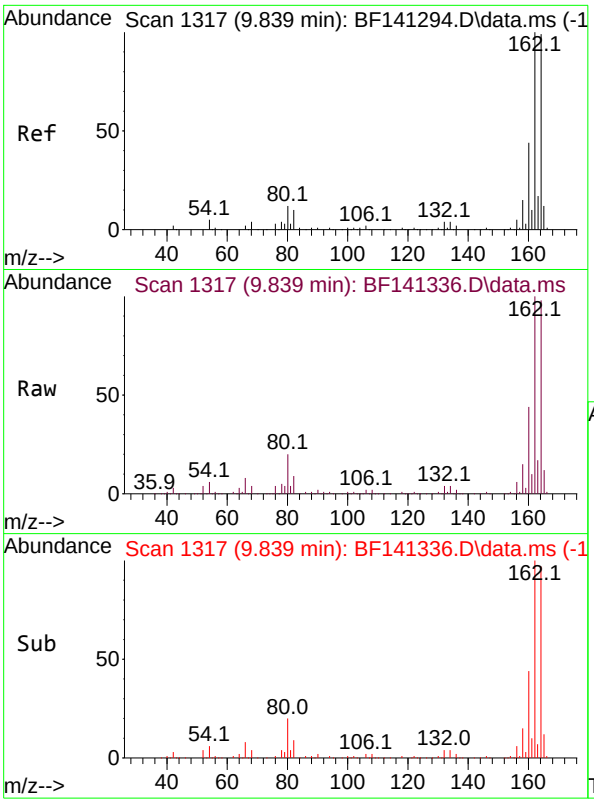


#38
1-Methylnaphthalene
Concen: 36.681 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:142 Resp: 675547

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.2	109.8



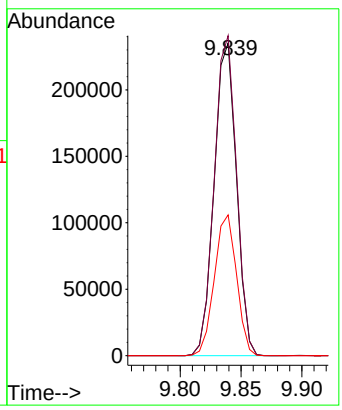


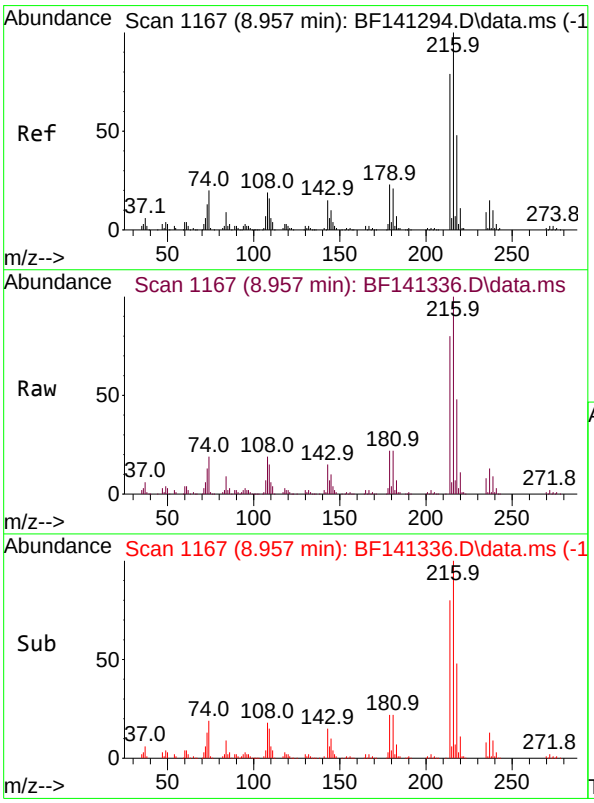
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 299701

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	121.0
160	45.0	35.8	53.6

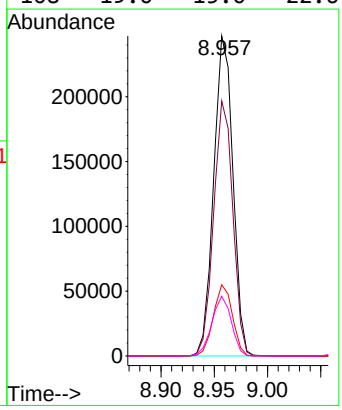


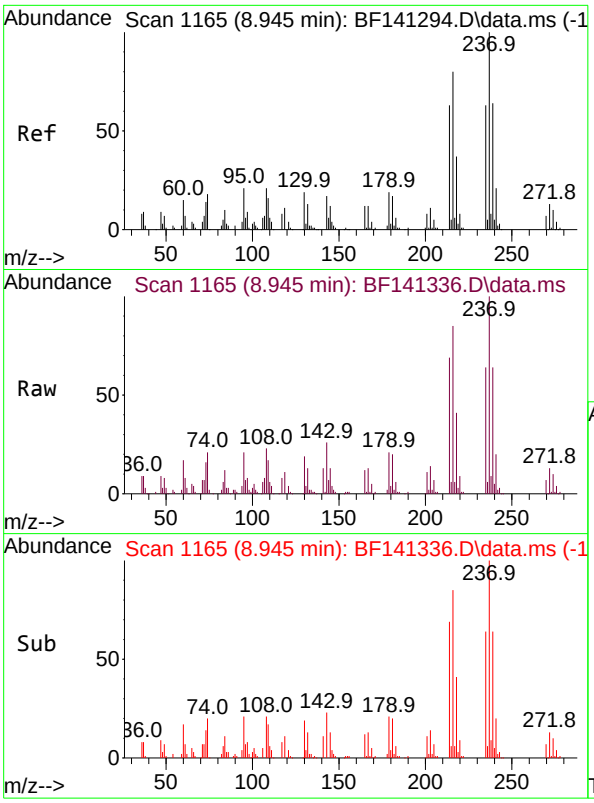


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.224 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:216 Resp: 308854

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.2	94.8
179	22.0	17.8	26.8
108	19.0	15.0	22.6



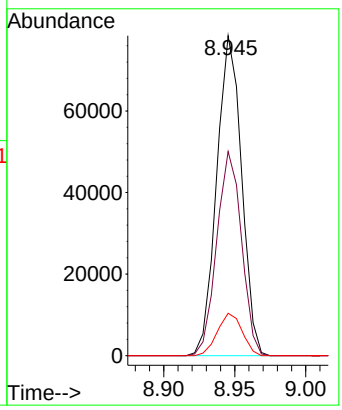


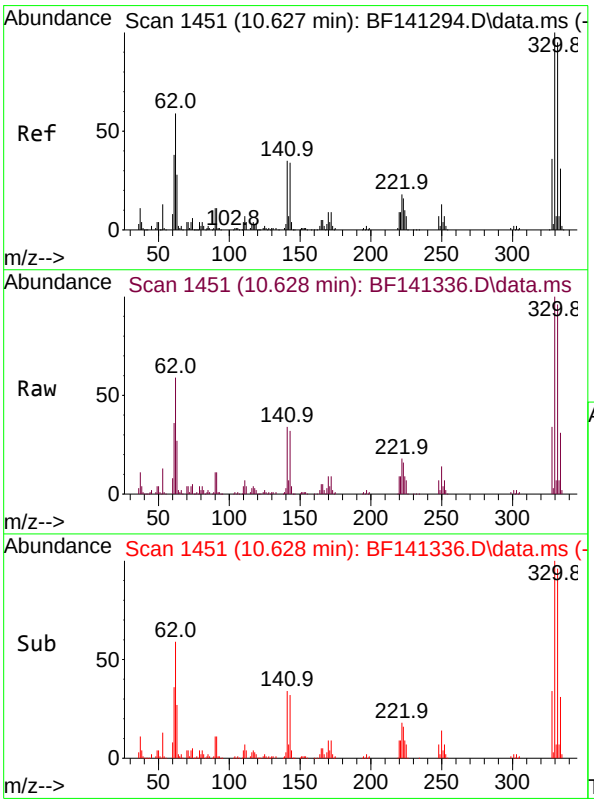
#41
Hexachlorocyclopentadiene
Concen: 37.949 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 95556

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.9	82.9
272	13.2	0.0	32.8

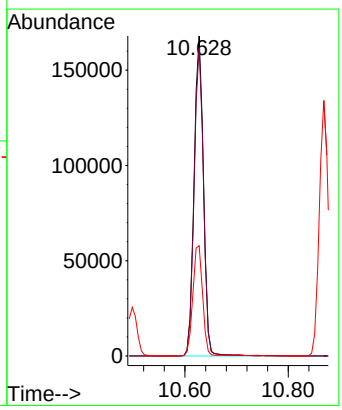


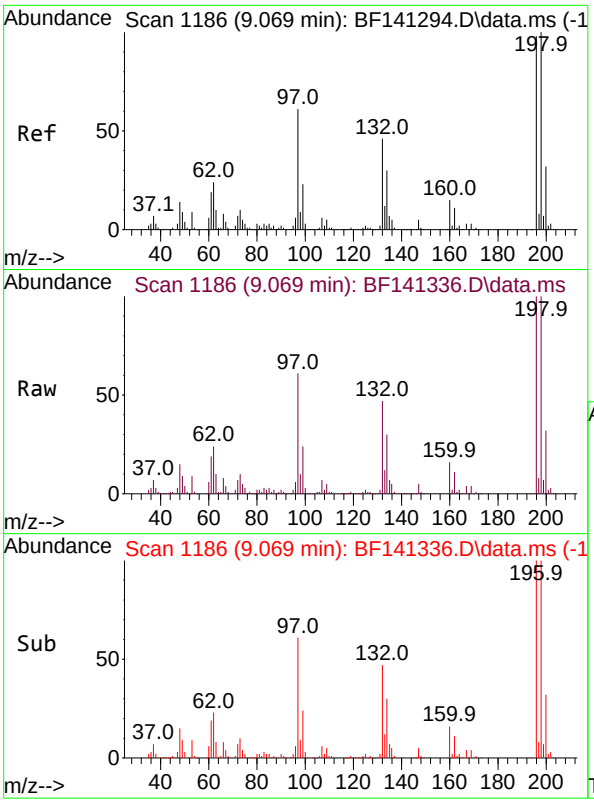


#42
2,4,6-Tribromophenol
Concen: 77.122 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:330 Resp: 211897

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.1	114.1
141	35.9	28.8	43.2



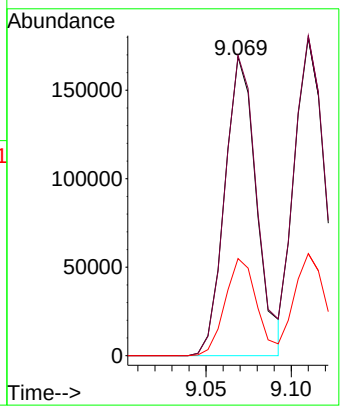


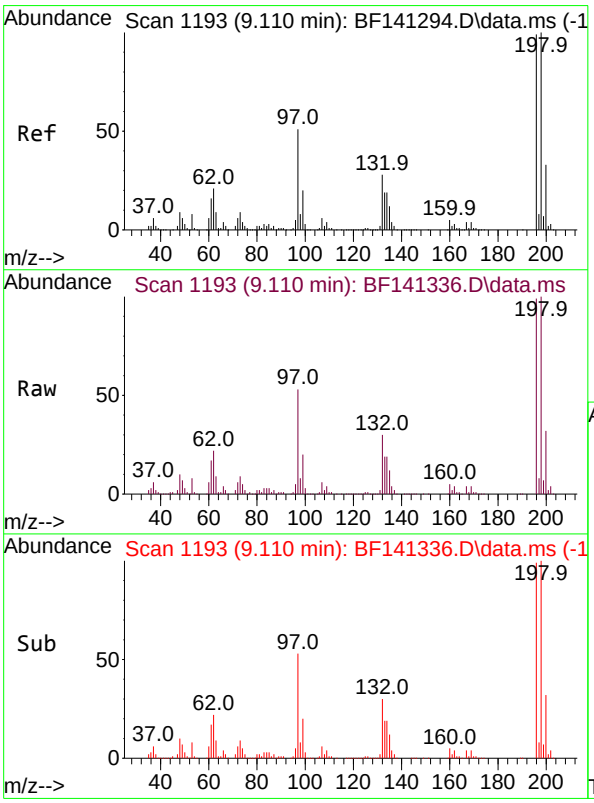
#43
2,4,6-Trichlorophenol
Concen: 39.199 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 218757

Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.5	26.3	39.5

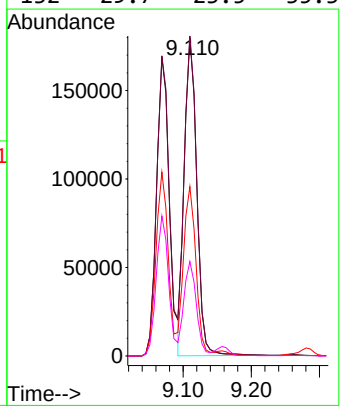


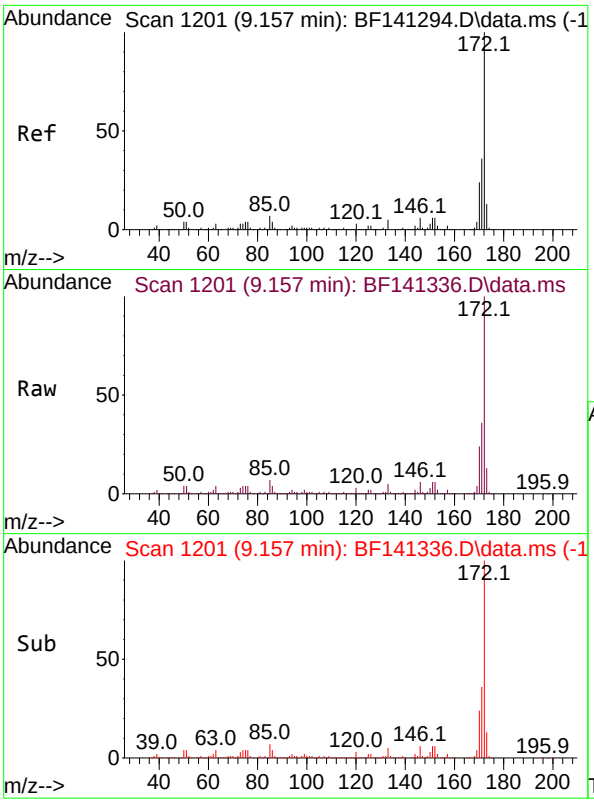


#44
2,4,5-Trichlorophenol
Concen: 37.608 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:196 Resp: 228427

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.5	120.7
97	53.3	42.8	64.2
132	29.7	23.5	35.3



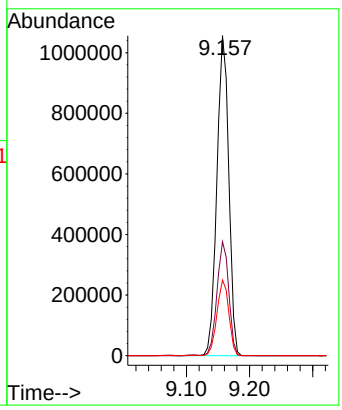


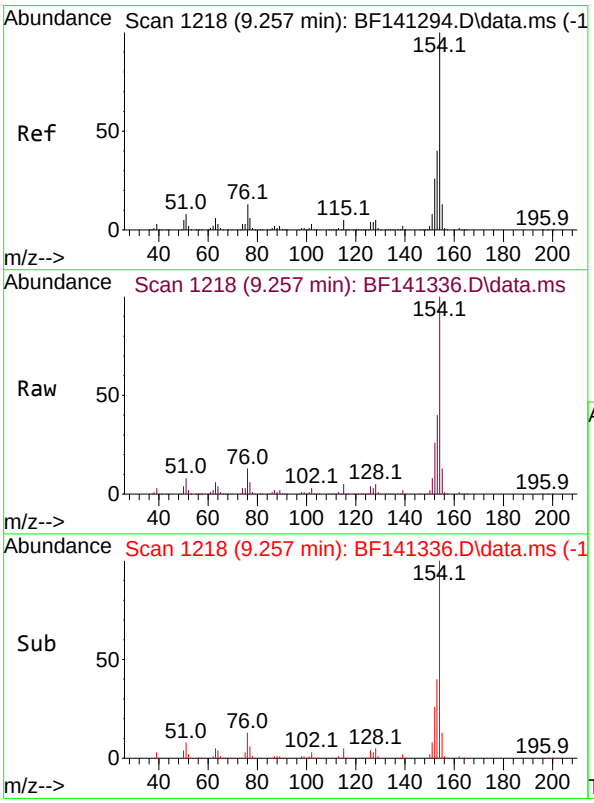
#45
2-Fluorobiphenyl
Concen: 70.690 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1376427

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.7	19.0	28.6

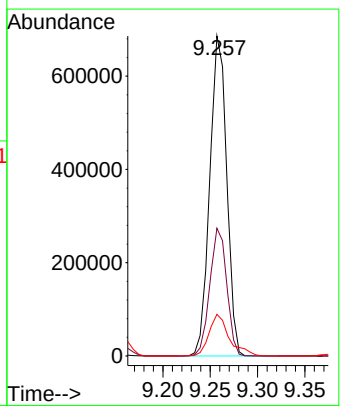


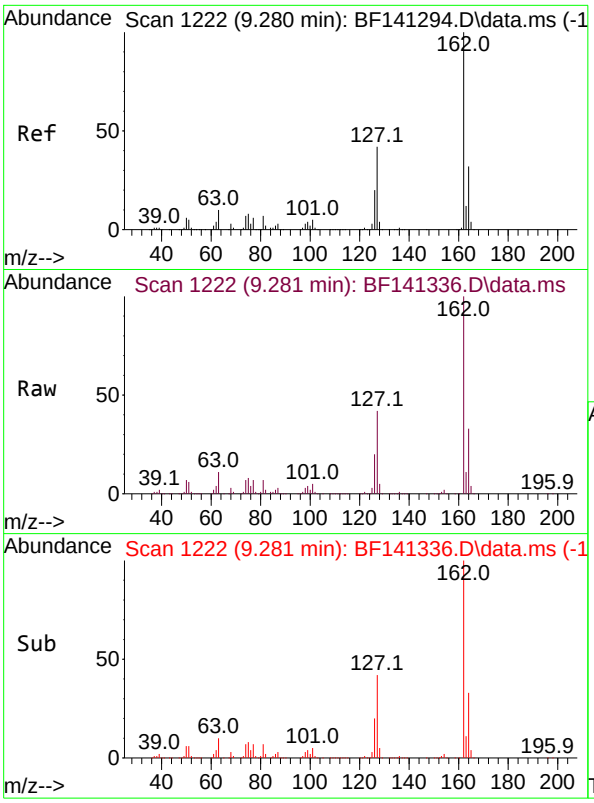


#46
1,1'-Biphenyl
Concen: 36.585 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:154 Resp: 855111

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.0	60.0
76	13.0	0.0	32.8



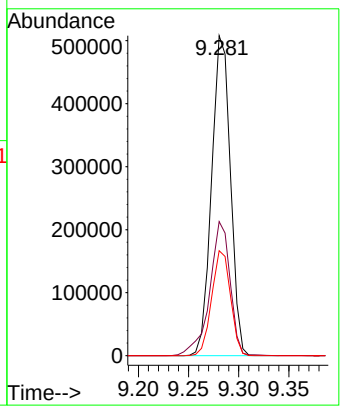


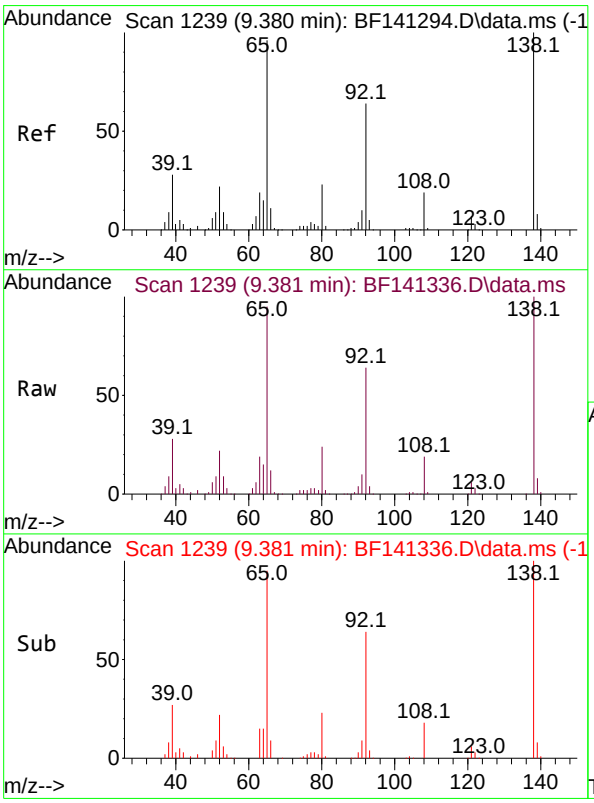
#47
2-Chloronaphthalene
Concen: 36.251 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 660426

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.7	50.5
164	32.8	25.9	38.9

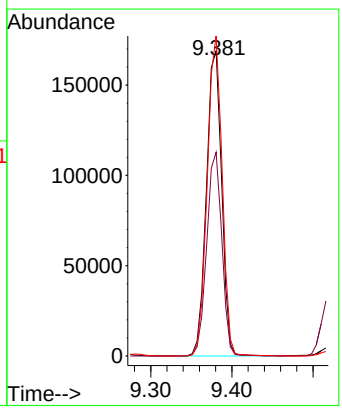


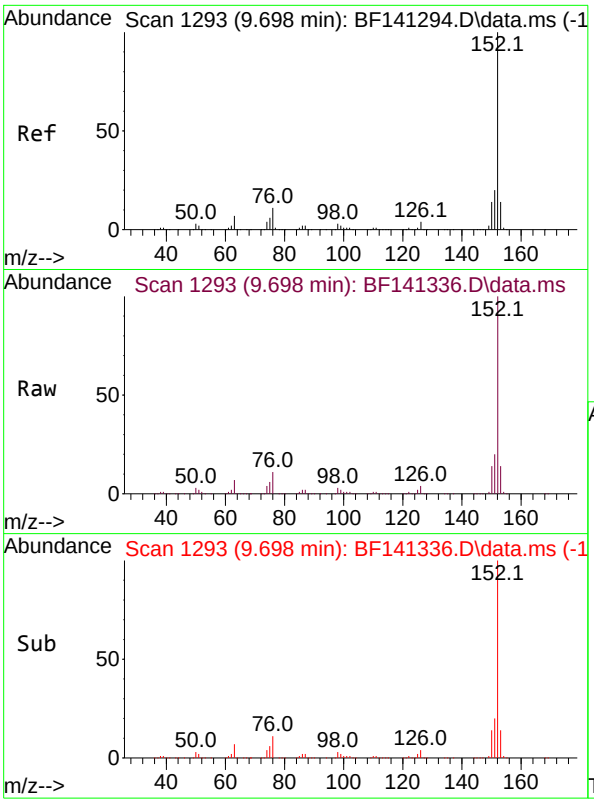


#48
2-Nitroaniline
Concen: 38.330 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 65 Resp: 219643

Ion	Ratio	Lower	Upper
65	100		
92	66.8	53.3	79.9
138	104.9	83.6	125.4



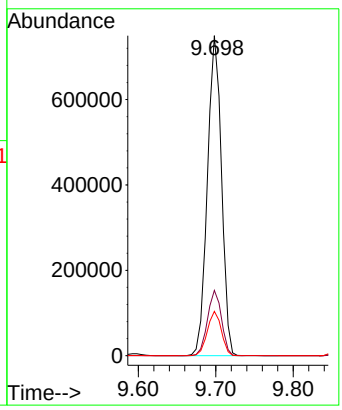


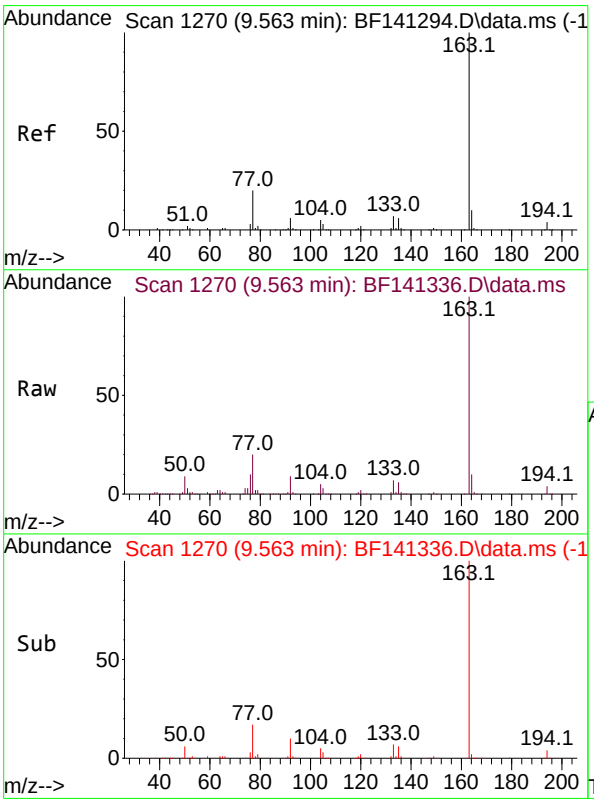
#49
Acenaphthylene
Concen: 37.073 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 945423

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.9	11.0	16.6

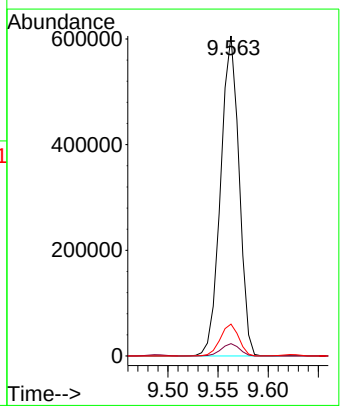


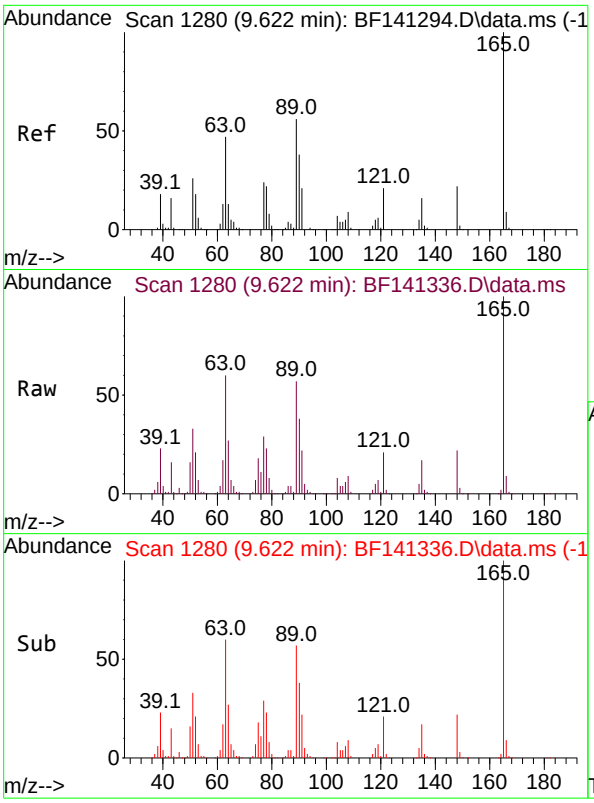


#50
Dimethylphthalate
Concen: 38.200 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:163 Resp: 773243

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.0	12.0



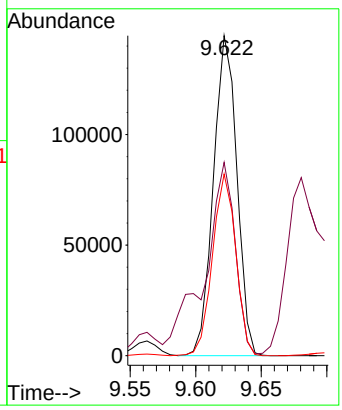


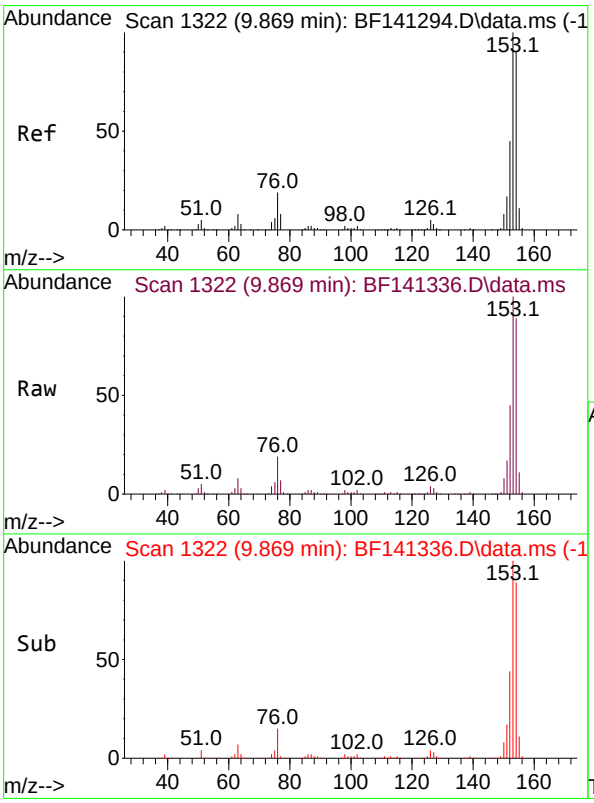
#51
2,6-Dinitrotoluene
Concen: 38.268 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 179857

Ion	Ratio	Lower	Upper
165	100		
63	60.4	48.1	72.1
89	56.7	44.9	67.3

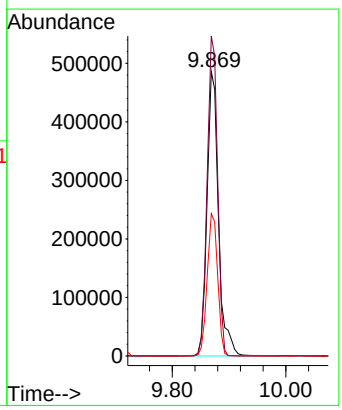


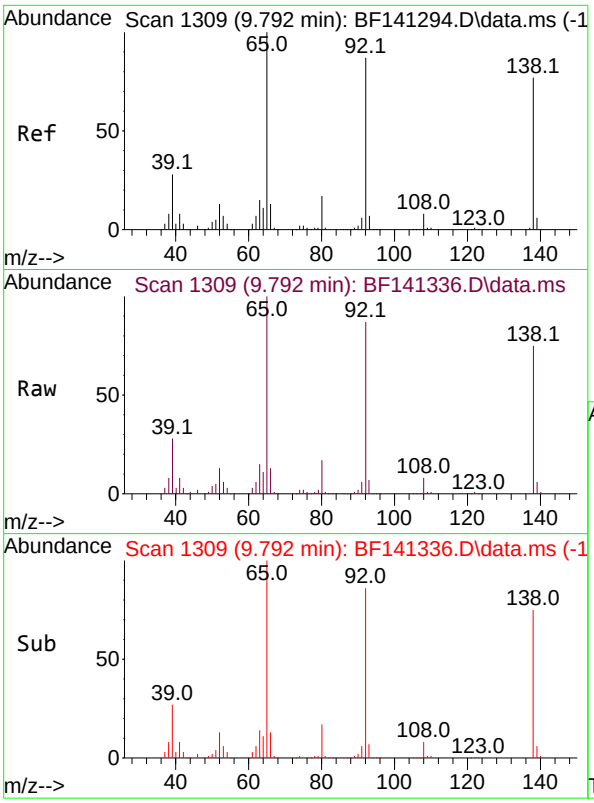


#52
Acenaphthene
Concen: 37.066 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:154 Resp: 675302

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.0	133.4
152	50.1	40.2	60.4



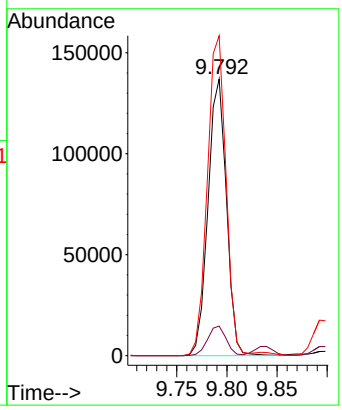


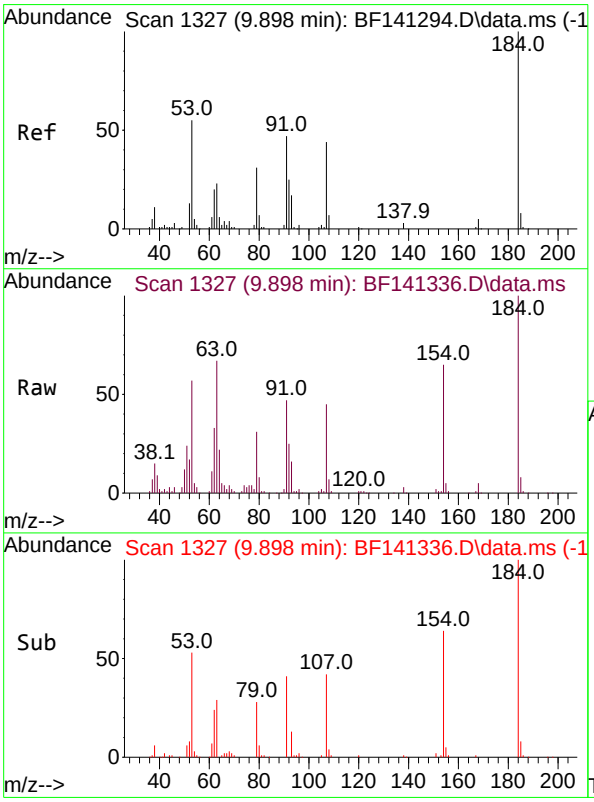
#53
3-Nitroaniline
Concen: 37.936 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 174746

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.7	91.0	136.6

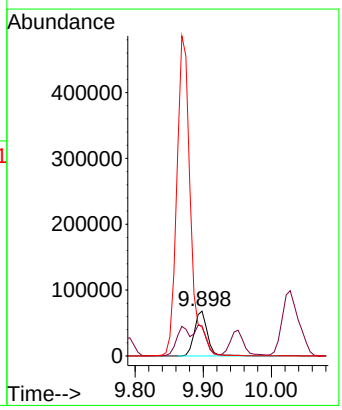


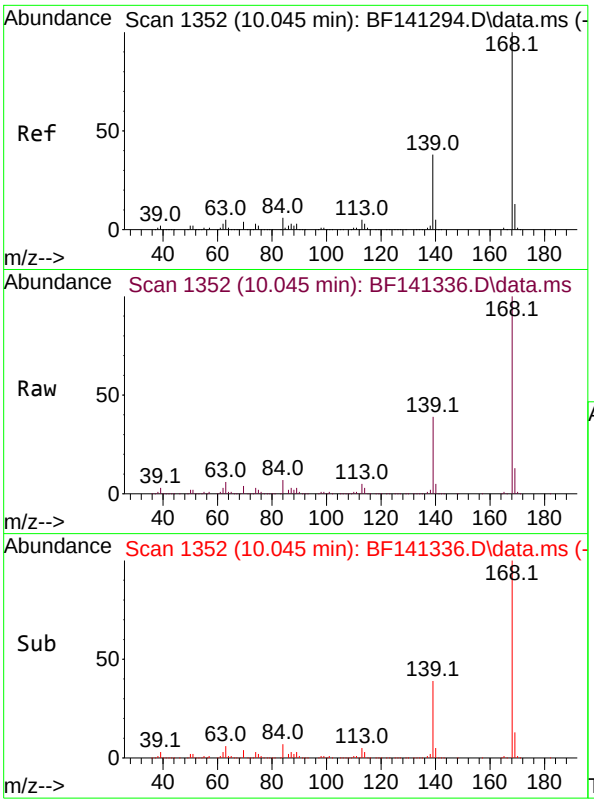


#54
2,4-Dinitrophenol
Concen: 41.270 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:184 Resp: 90166

Ion	Ratio	Lower	Upper
184	100		
63	66.5	54.1	81.1
154	64.7	50.7	76.1



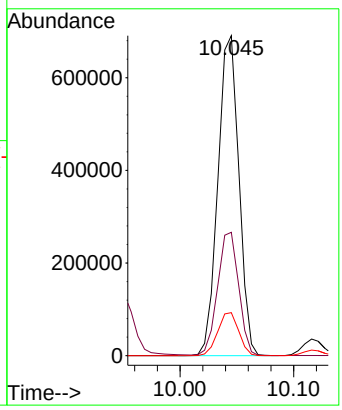


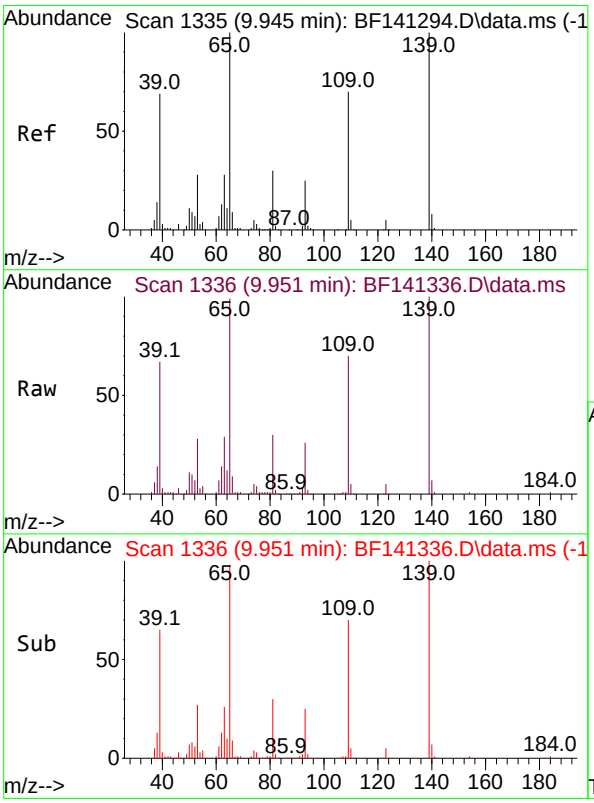
#55
Dibenzofuran
Concen: 36.395 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 887550

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.6	46.0
169	13.4	10.8	16.2

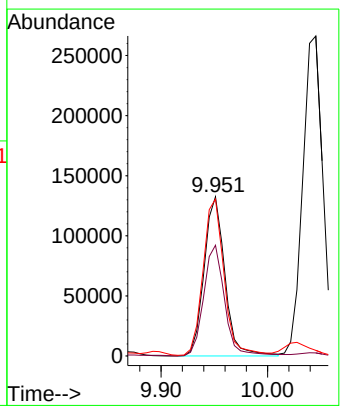


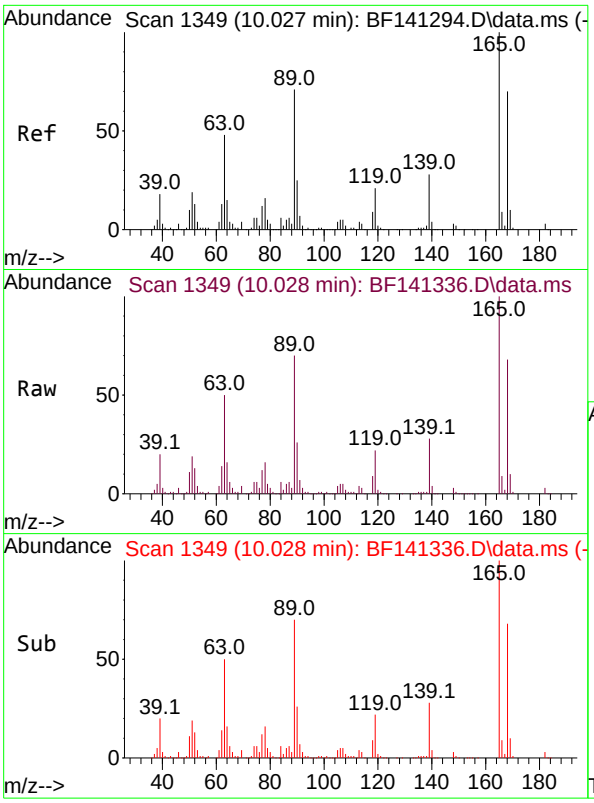


#56
4-Nitrophenol
Concen: 53.378 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:139 Resp: 179822

Ion	Ratio	Lower	Upper
139	100		
109	69.6	50.2	90.2
65	98.6	80.6	120.6



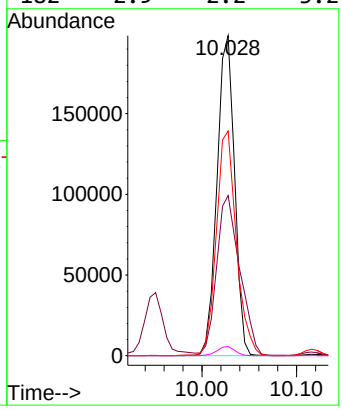


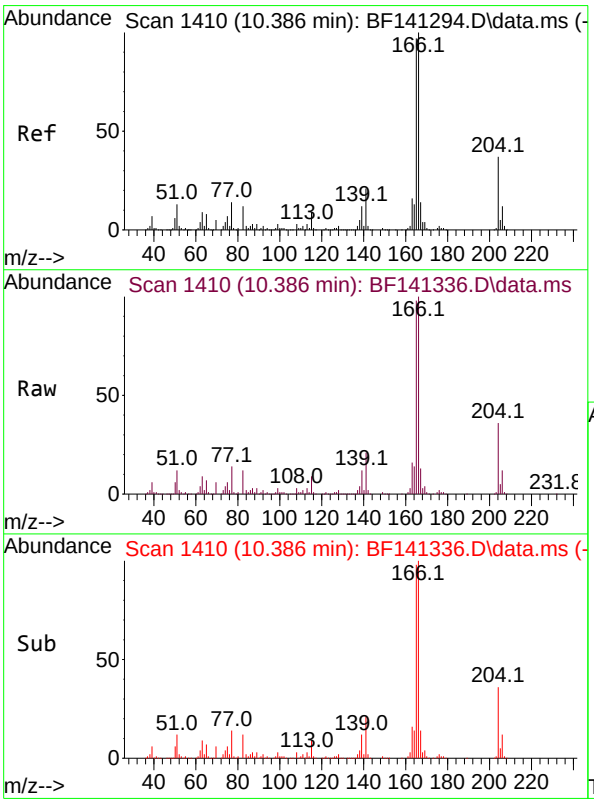
#57
2,4-Dinitrotoluene
Concen: 42.014 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 255655

Ion	Ratio	Lower	Upper
165	100		
63	50.0	39.2	58.8
89	70.2	56.9	85.3
182	2.9	2.2	3.2

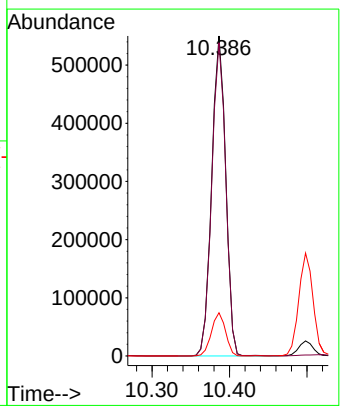


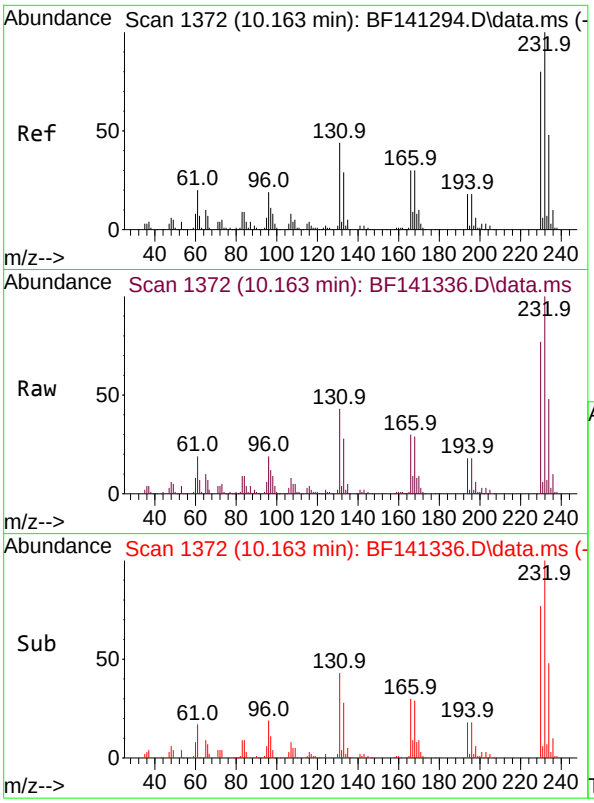


#58
Fluorene
Concen: 36.485 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:166 Resp: 690153

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.5	116.3
167	13.5	10.9	16.3



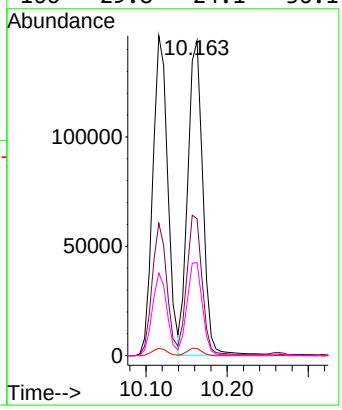


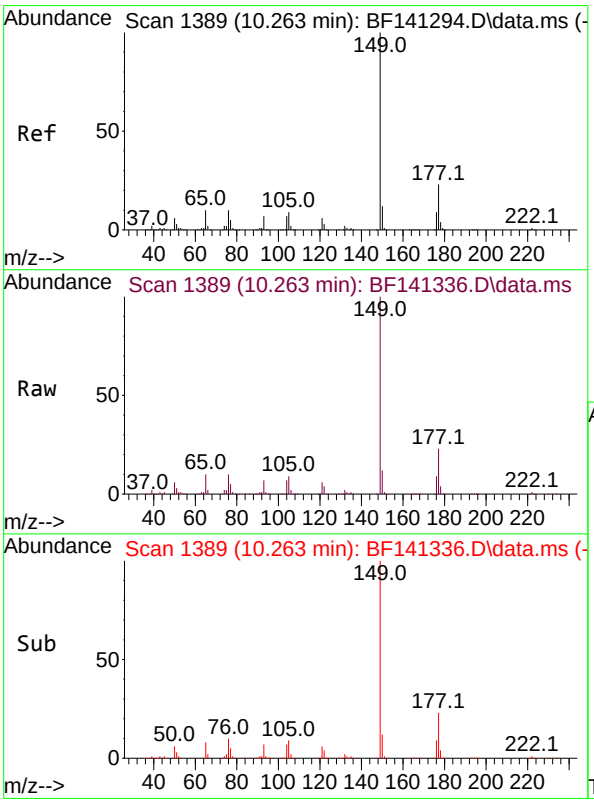
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.903 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 185895

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.4	54.6
130	2.3	1.9	2.9
166	29.8	24.1	36.1

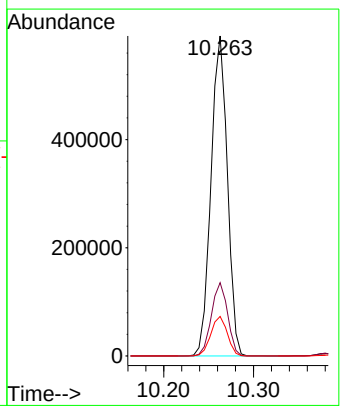


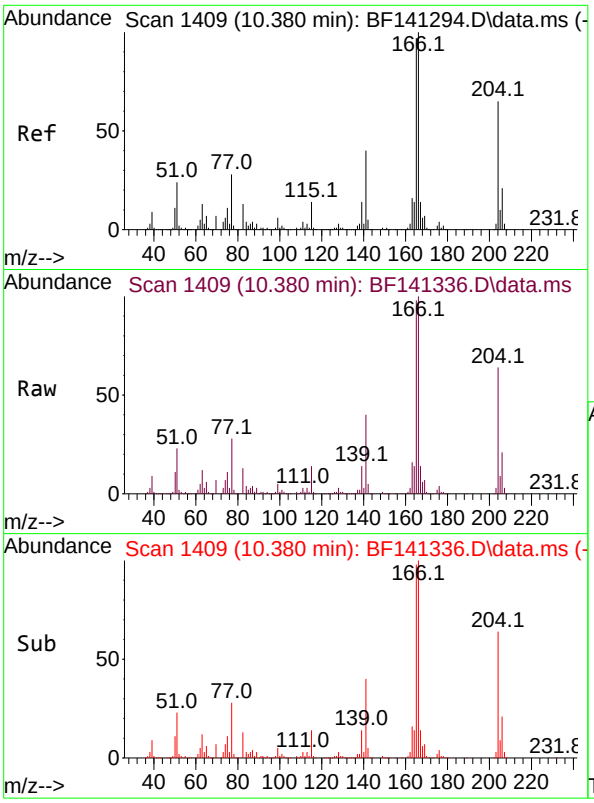


#60
Diethylphthalate
Concen: 38.140 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 748552

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.4	10.0	15.0



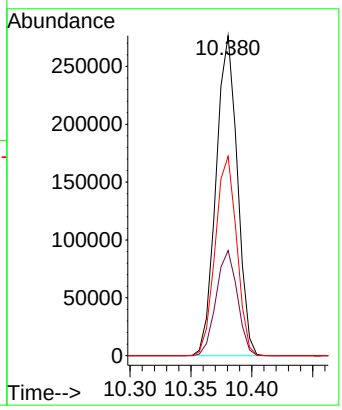


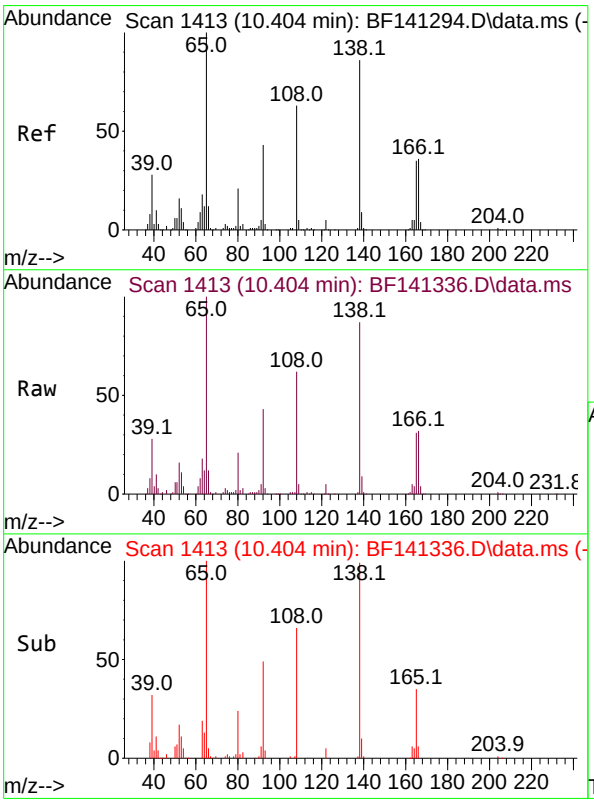
#61
4-Chlorophenyl-phenylether
Concen: 36.458 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 336871

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.9	38.9
141	62.3	49.5	74.3

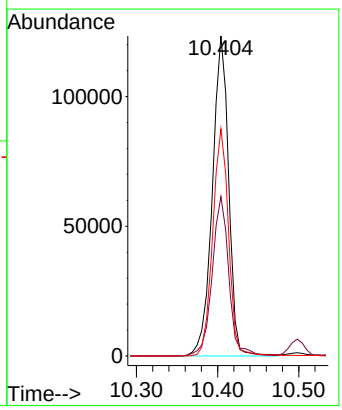


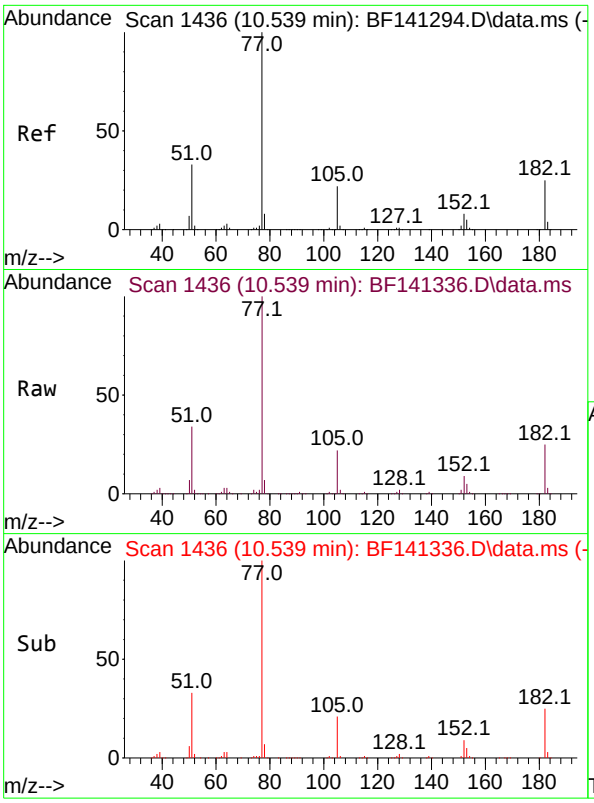


#62
4-Nitroaniline
Concen: 38.063 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:138 Resp: 172379

Ion	Ratio	Lower	Upper
138	100		
92	49.8	30.1	70.1
108	71.0	53.1	93.1



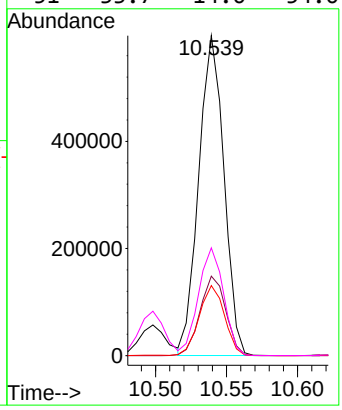


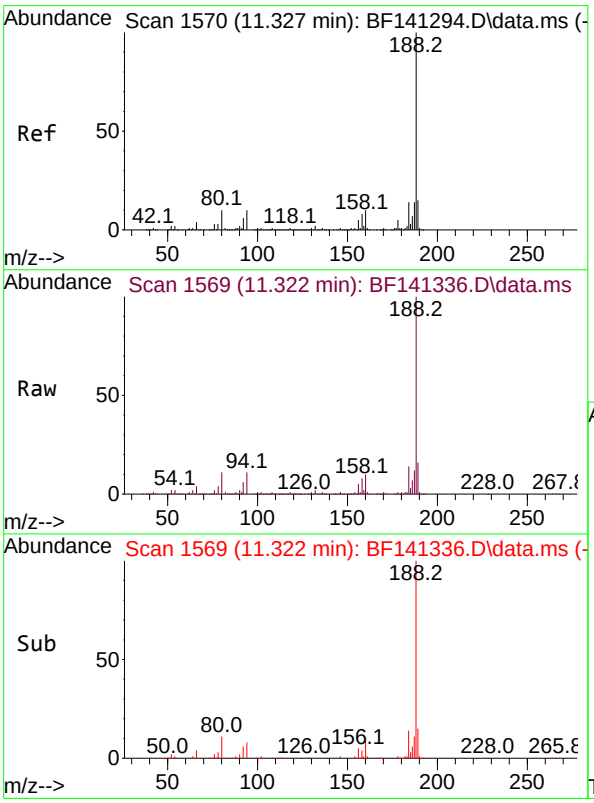
#63
Azobenzene
Concen: 37.573 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 738145

Ion	Ratio	Lower	Upper
77	100		
182	24.8	5.1	45.1
105	21.9	1.8	41.8
51	33.7	14.0	54.0

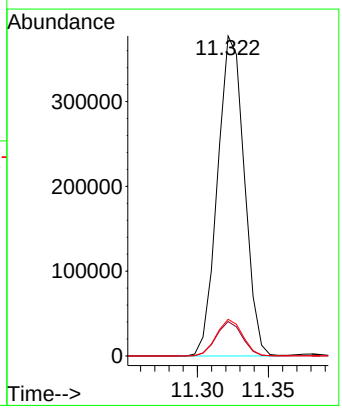


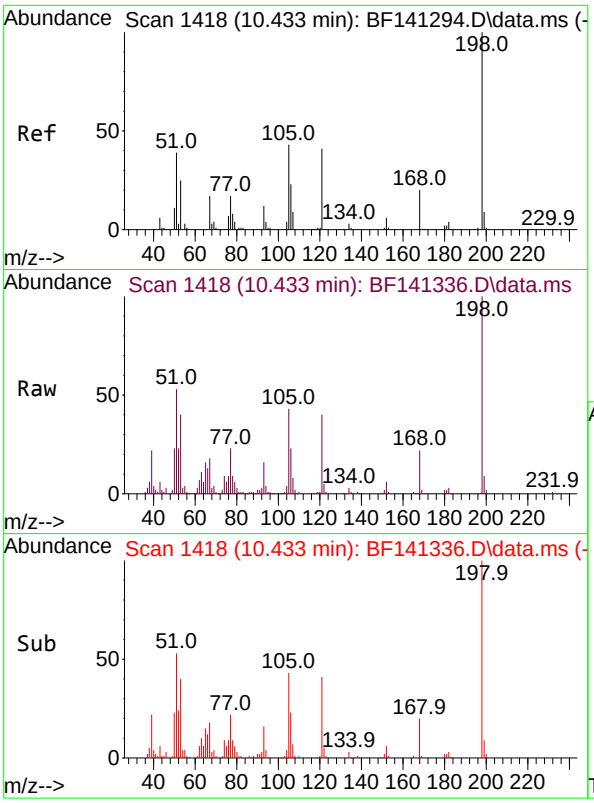


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:188 Resp: 493954

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.5	8.2	12.4



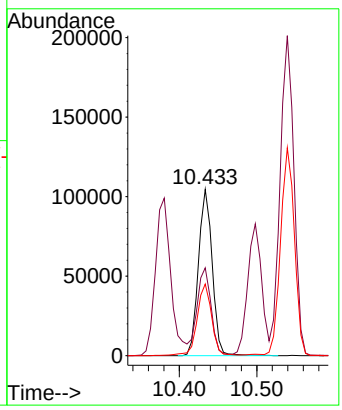


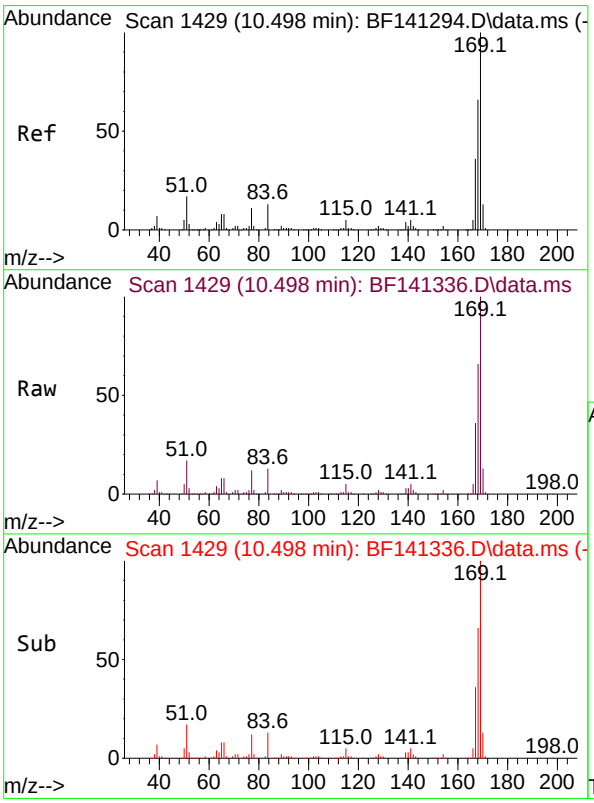
#65
4,6-Dinitro-2-methylphenol
Concen: 44.270 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 129346

Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.4	73.4
105	43.1	24.4	64.4

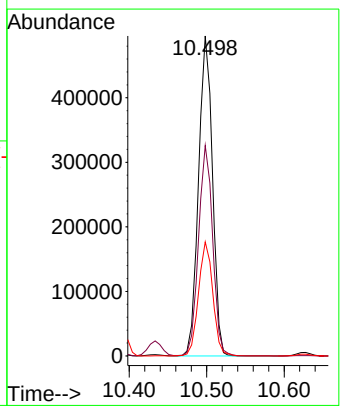


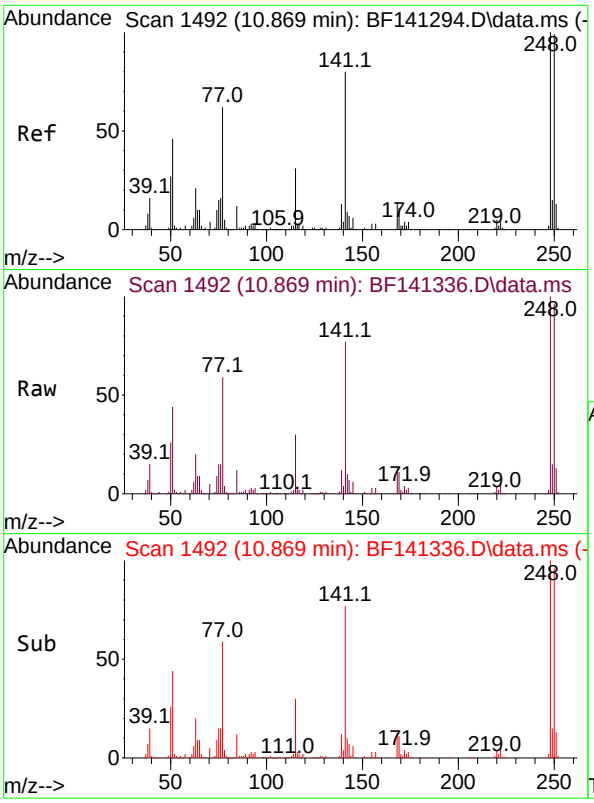


#66
n-Nitrosodiphenylamine
Concen: 38.751 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:169 Resp: 619094

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	35.7	28.8	43.2



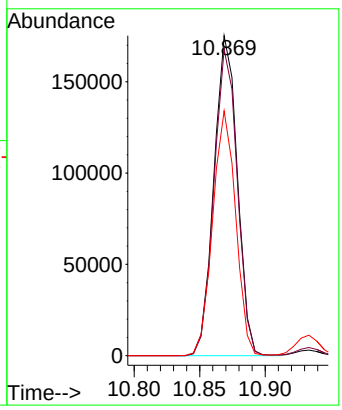


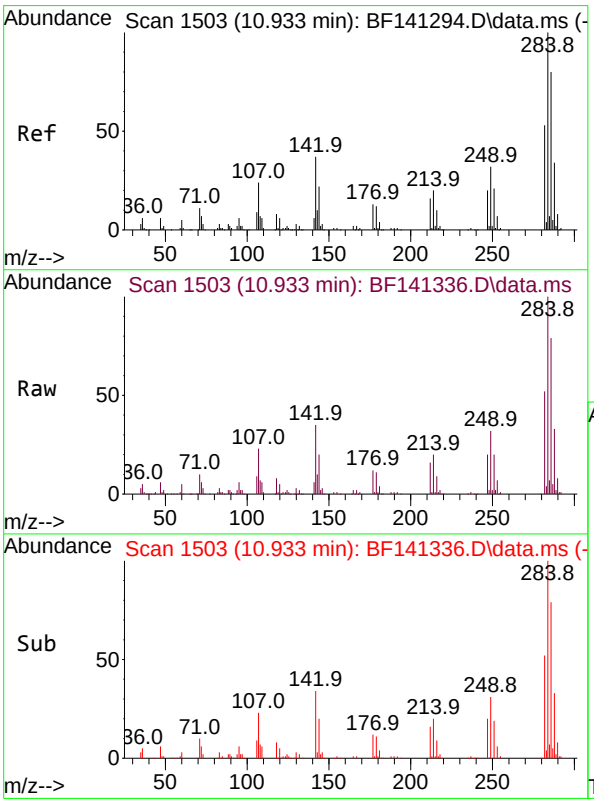
#67
4-Bromophenyl-phenylether
Concen: 39.236 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 216973

Ion	Ratio	Lower	Upper
248	100		
250	95.7	79.0	118.4
141	76.5	63.7	95.5

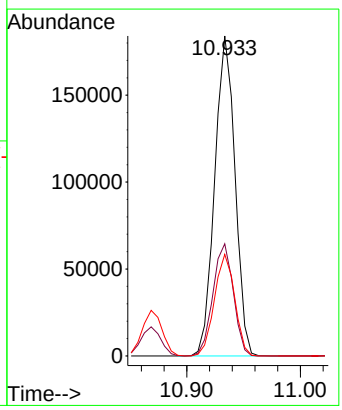


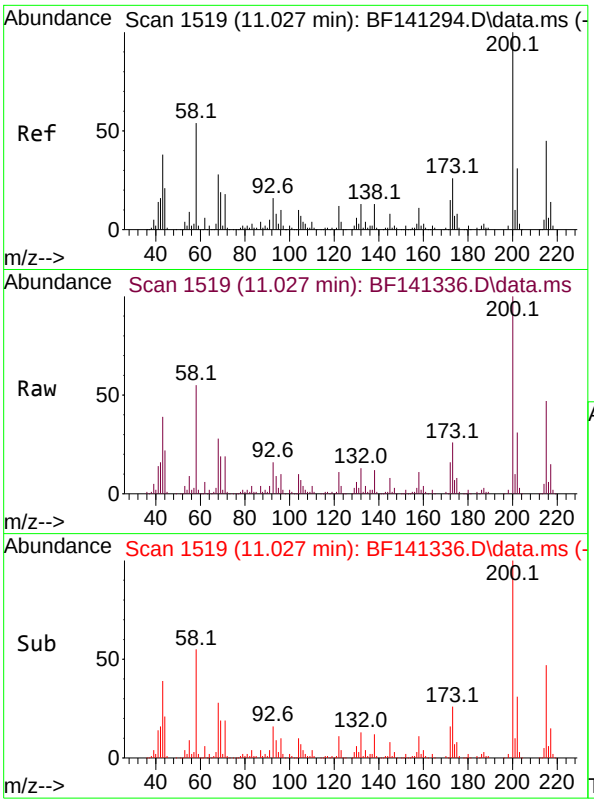


#68
Hexachlorobenzene
Concen: 38.991 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:284 Resp: 228716

Ion	Ratio	Lower	Upper
284	100		
142	35.1	29.5	44.3
249	31.7	25.4	38.2



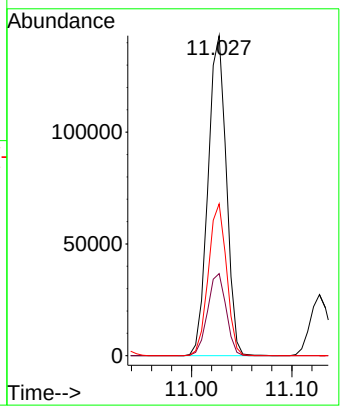


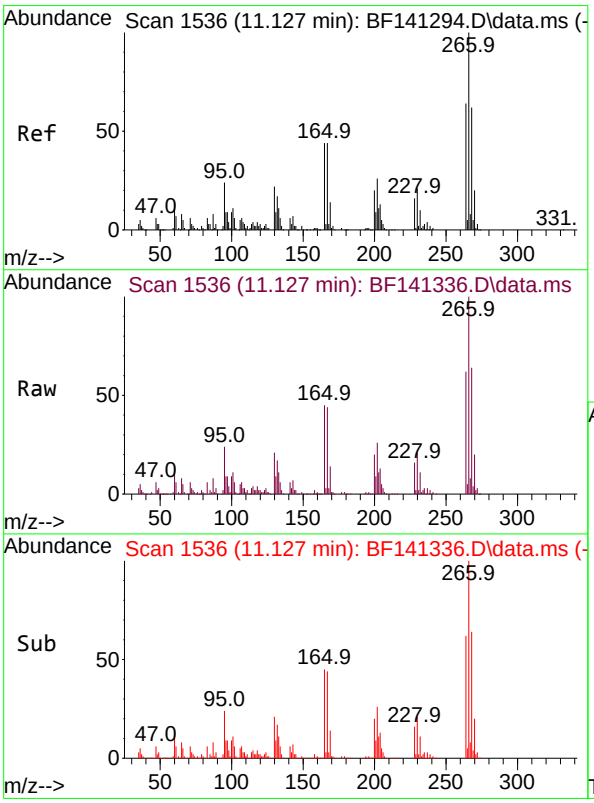
#69
Atrazine
Concen: 33.985 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 181536

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	47.4	25.2	65.2

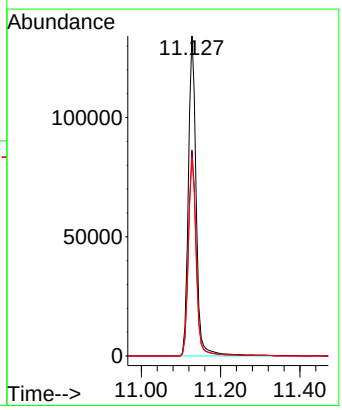


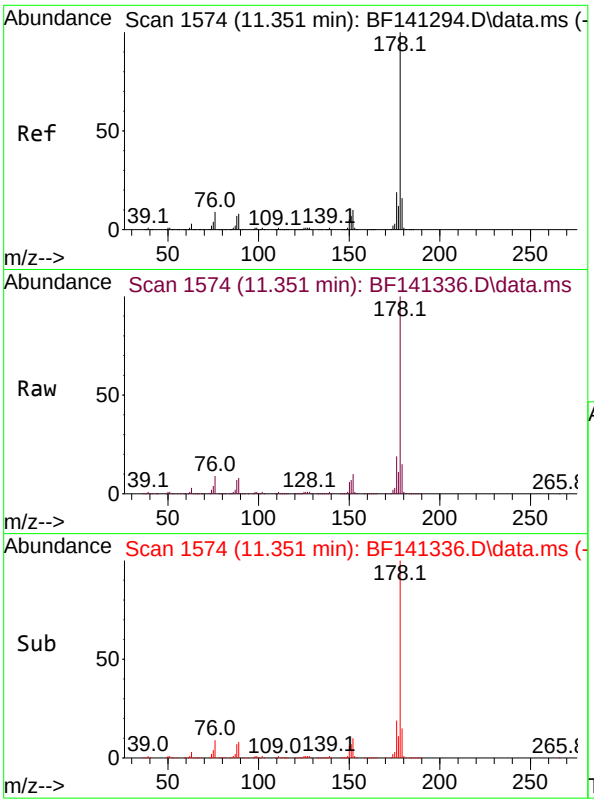


#70
Pentachlorophenol
Concen: 53.575 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:266 Resp: 184030

Ion	Ratio	Lower	Upper
266	100		
268	64.3	49.9	74.9
264	61.9	51.0	76.4



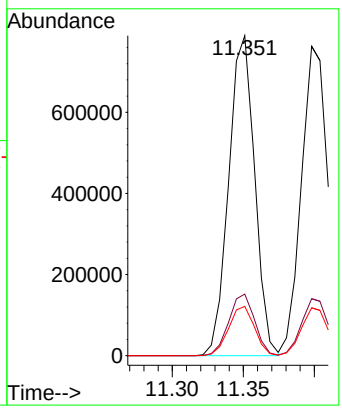


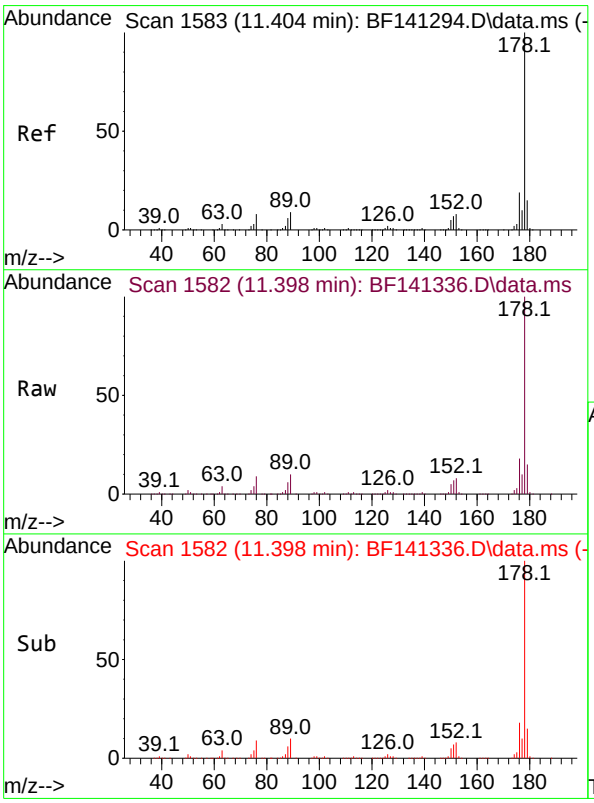
#71
Phenanthrene
Concen: 37.819 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1004184

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.5	18.7

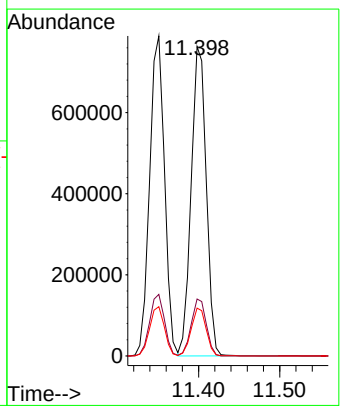


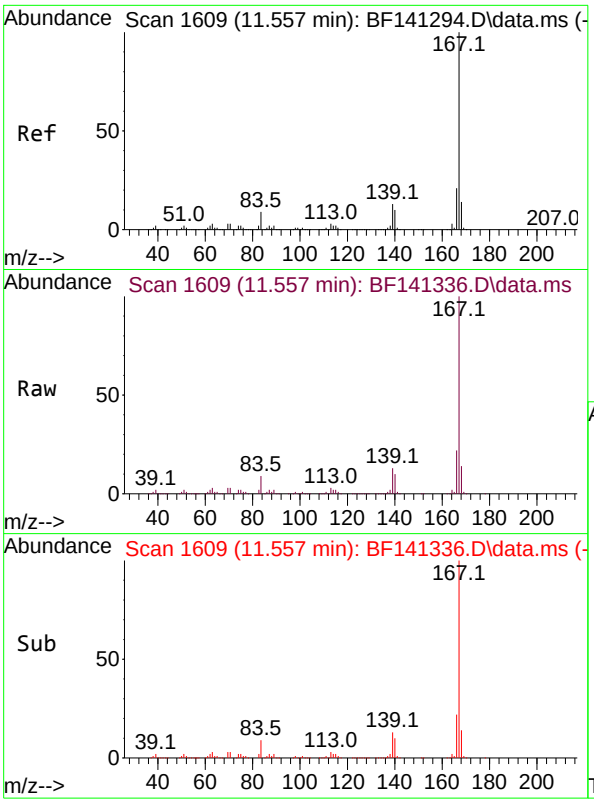


#72
Anthracene
Concen: 37.948 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:178 Resp: 987277

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.5	12.3	18.5



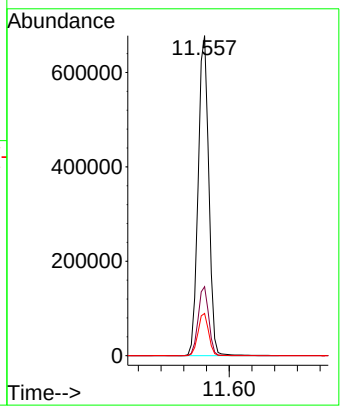


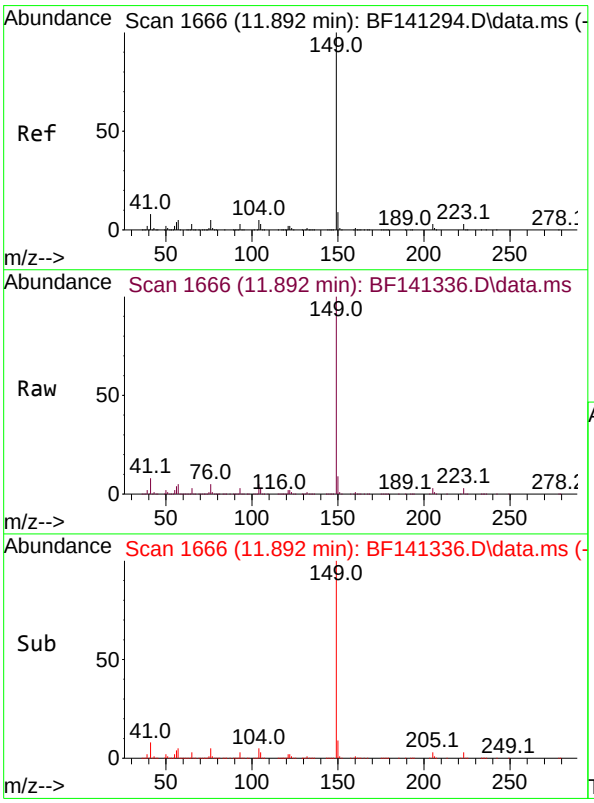
#73
Carbazole
Concen: 38.220 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 881695

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.2	10.6	16.0

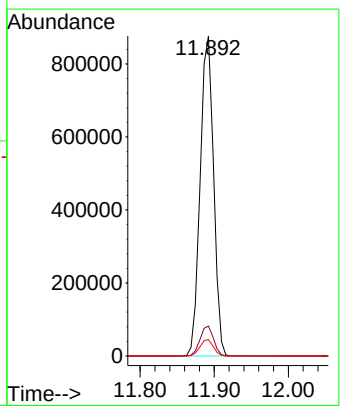


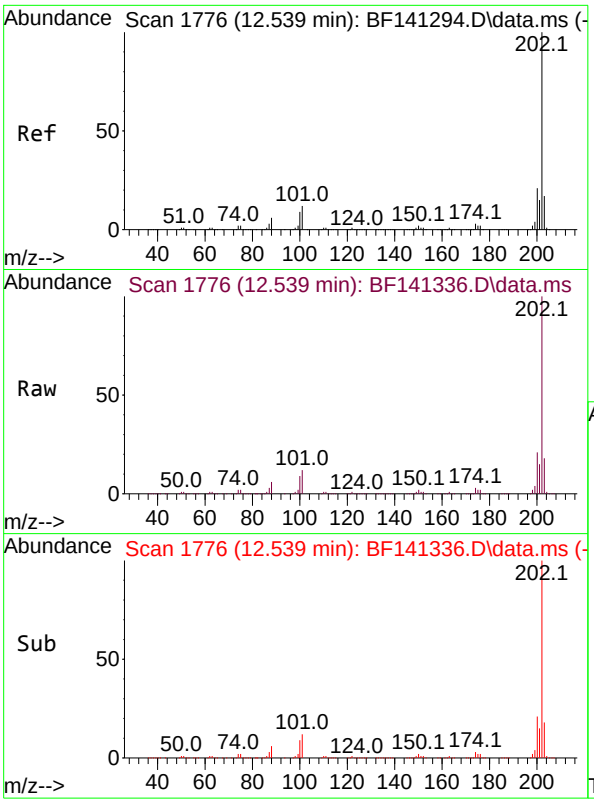


#74
Di-n-butylphthalate
Concen: 39.444 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 1102750

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9



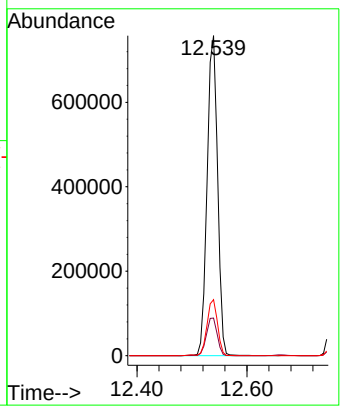


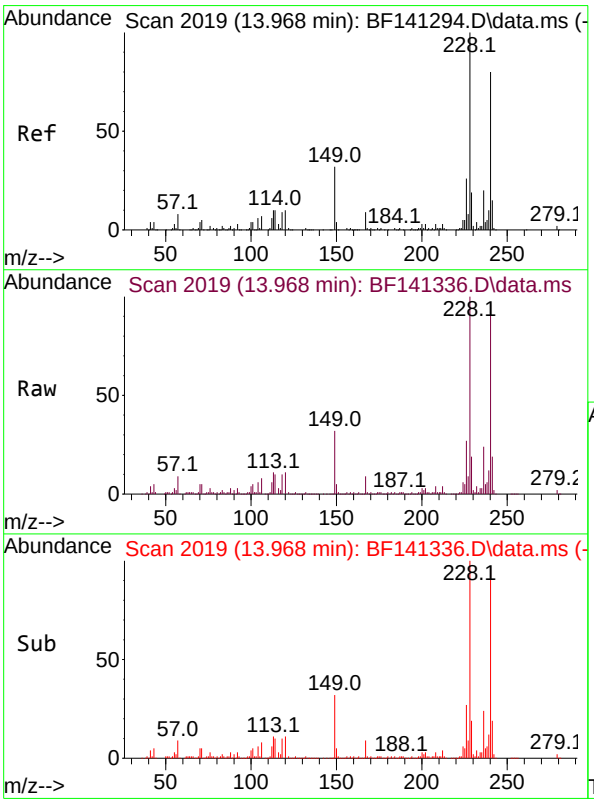
#75
Fluoranthene
Concen: 38.098 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 998810

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5

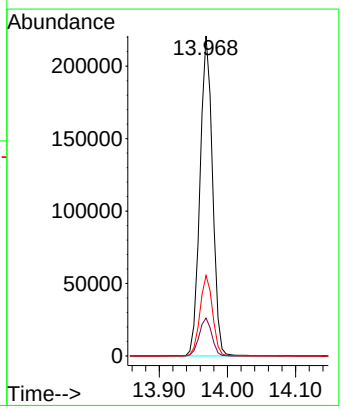


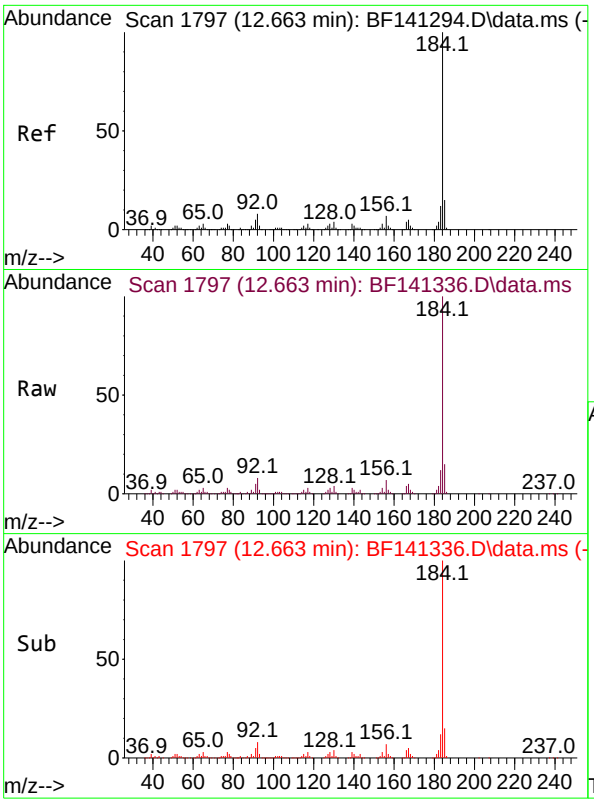


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:240 Resp: 281629

Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.0	15.0
236	25.1	19.7	29.5



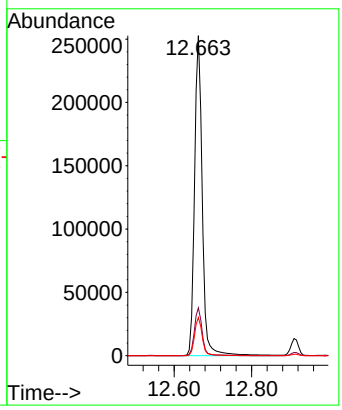


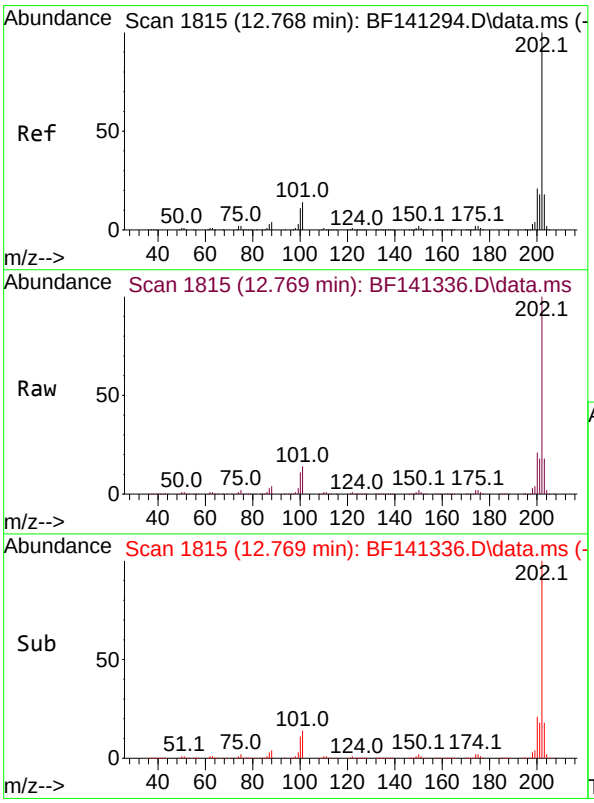
#77
Benzidine
Concen: 38.664 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 349084

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.9	9.5	14.3

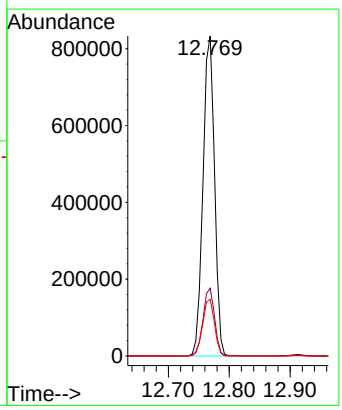


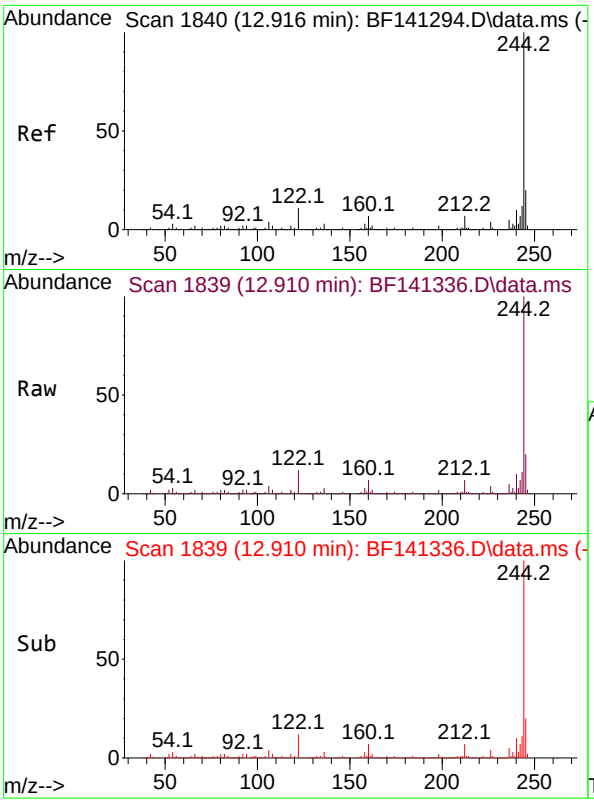


#78
Pyrene
Concen: 40.606 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:202 Resp: 1097741

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5



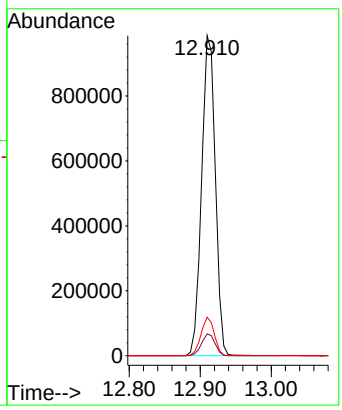


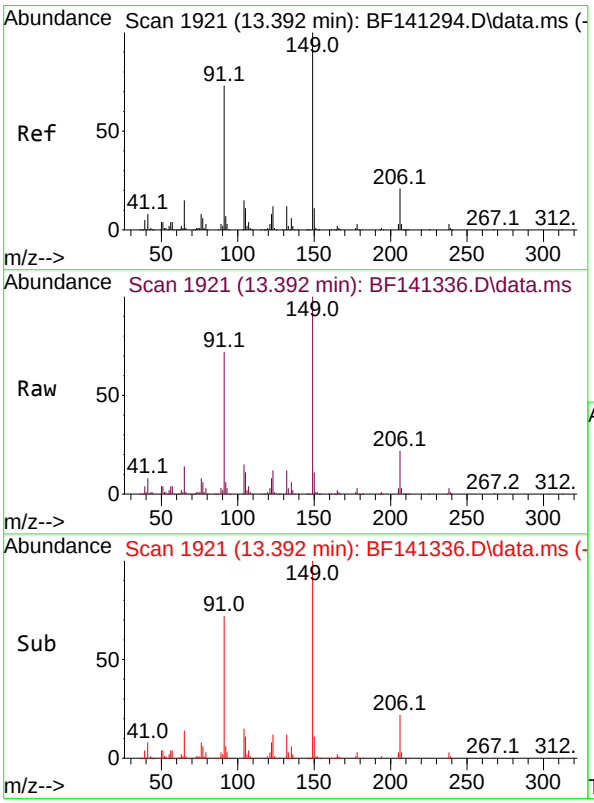
#79
Terphenyl-d14
Concen: 72.583 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1325492

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.0	8.8	13.2

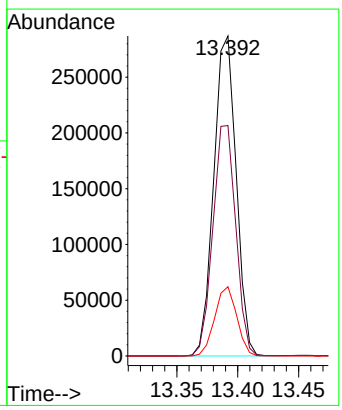


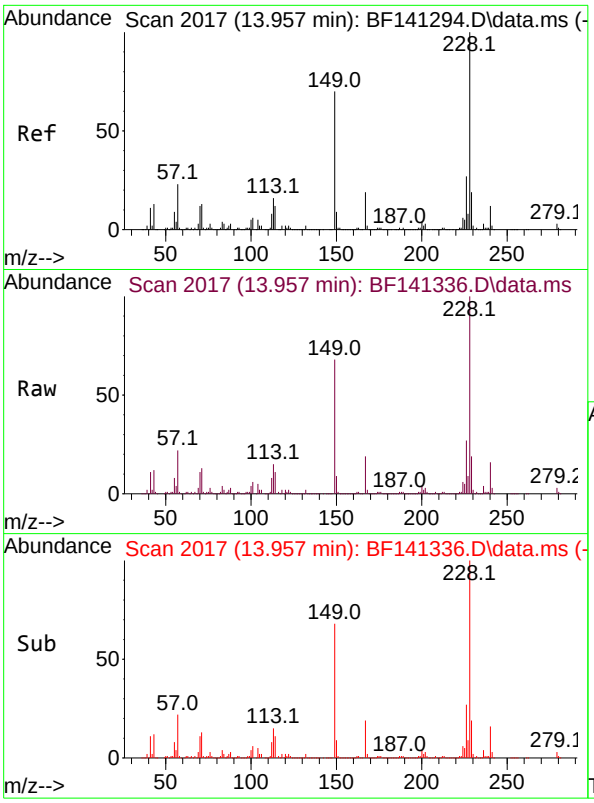


#80
Butylbenzylphthalate
Concen: 39.103 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 369304

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.6	87.8
206	21.7	16.7	25.1



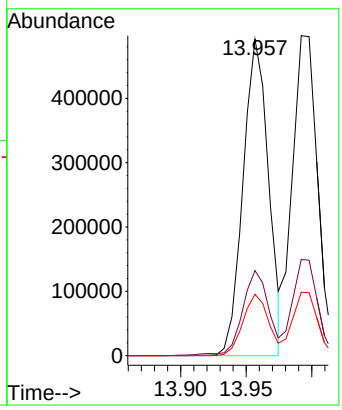


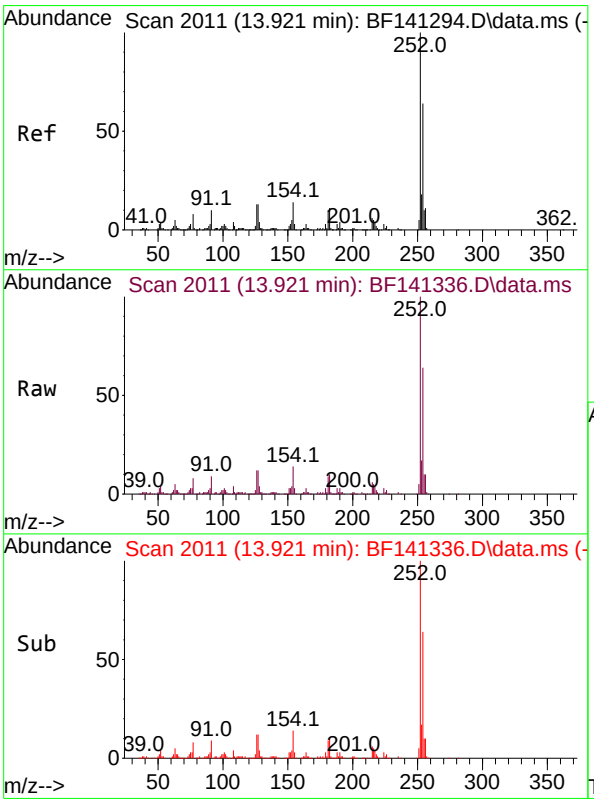
#81
Benzo(a)anthracene
Concen: 34.223 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 665086

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	19.4	15.5	23.3

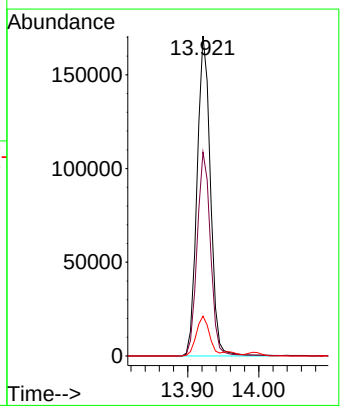


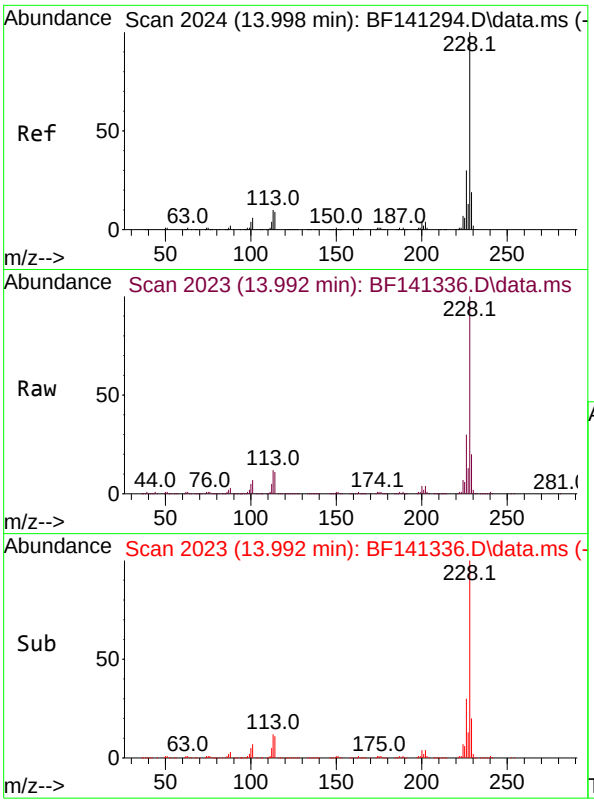


#82
3,3'-Dichlorobenzidine
Concen: 36.200 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 223750

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.3	76.9
126	12.5	10.0	15.0



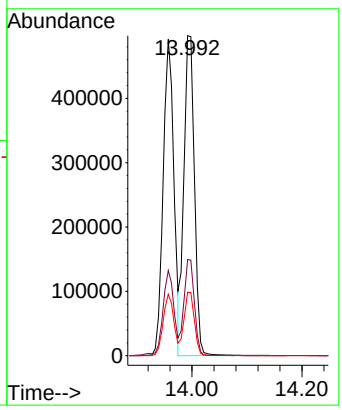


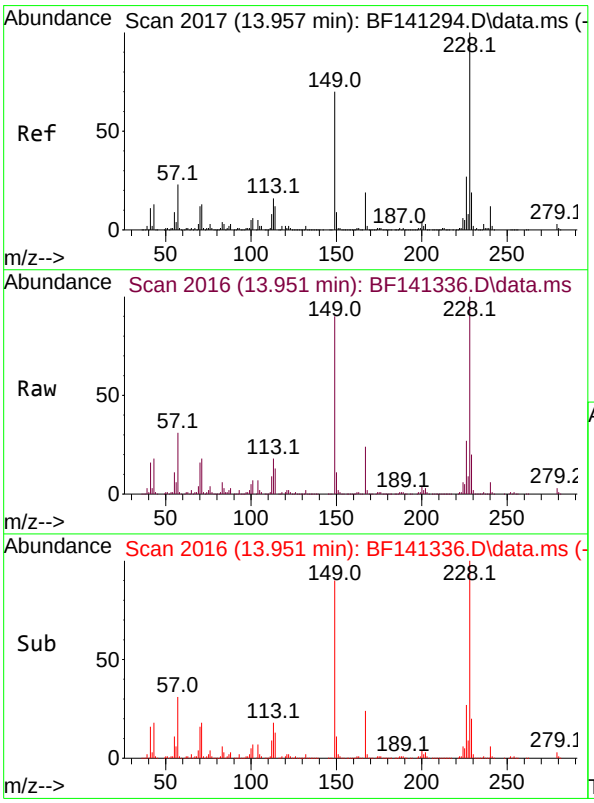
#83
Chrysene
Concen: 37.287 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 664102

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.6	23.4

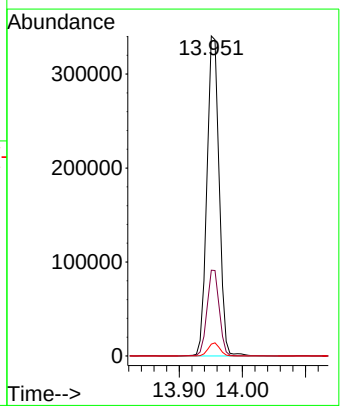


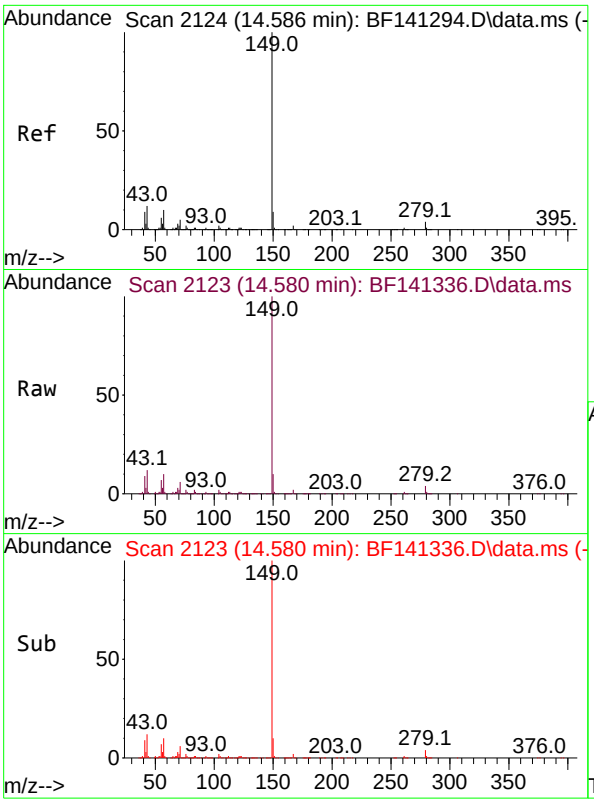


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.304 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 458911

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	3.7	3.3	4.9



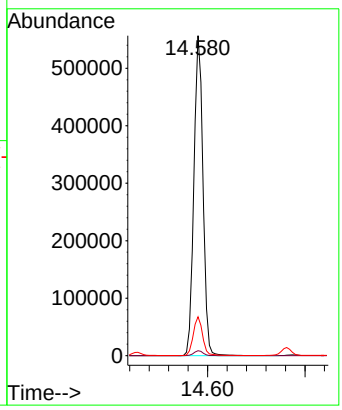


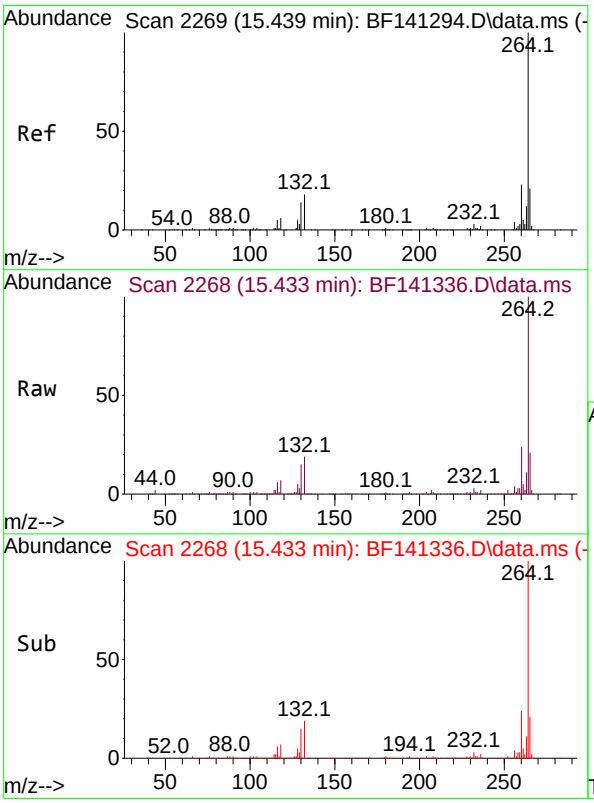
#85
Di-n-octyl phthalate
Concen: 38.886 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 723593

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8

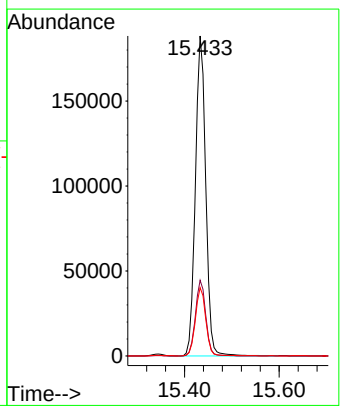


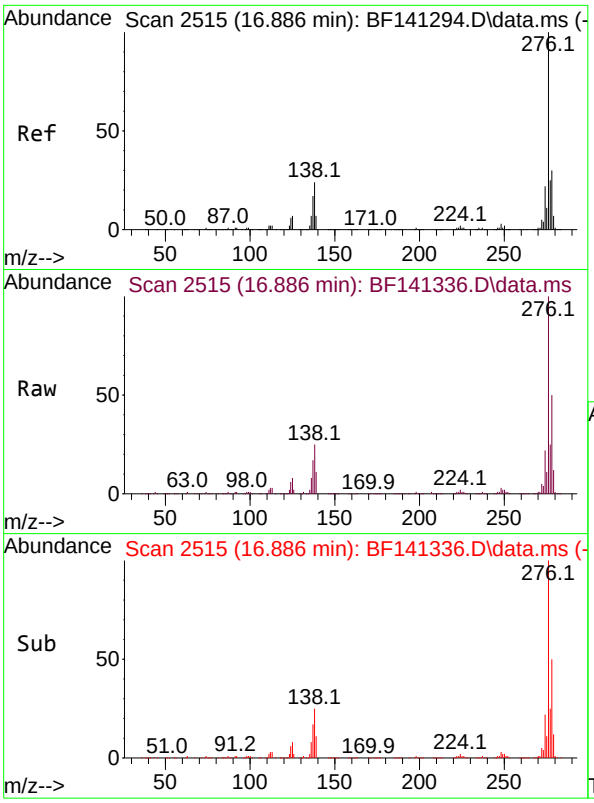


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:264 Resp: 286623

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	16.7	25.1



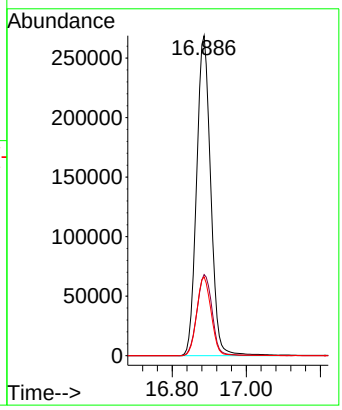


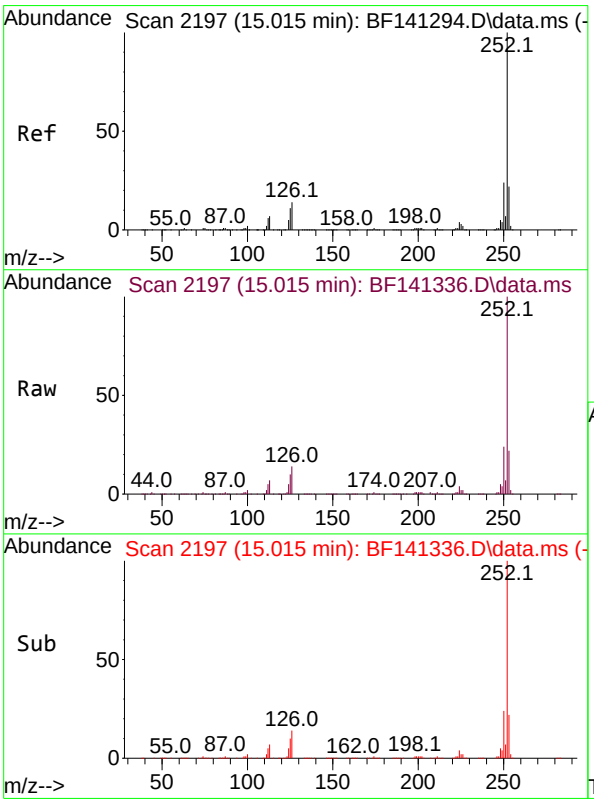
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.376 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 709942

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.2	20.3	30.5

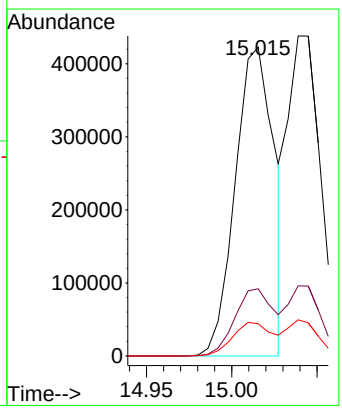


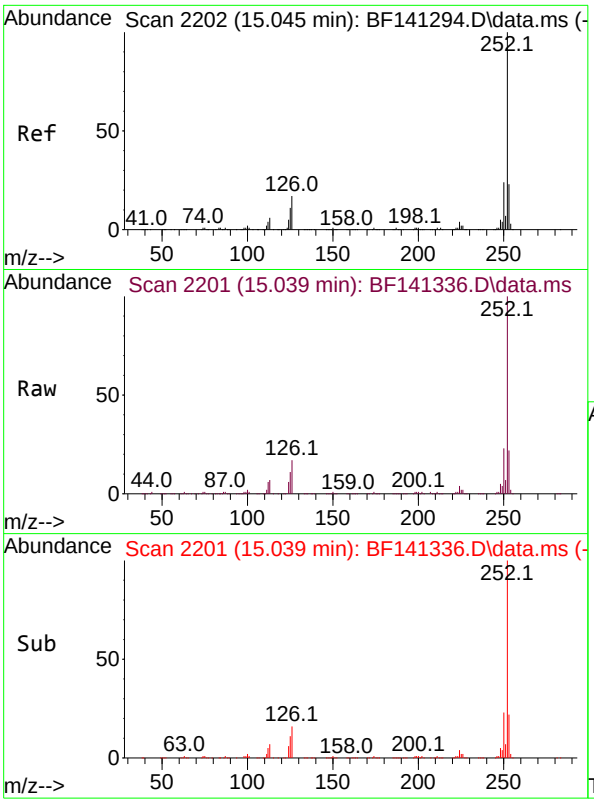


#88
Benzo(b)fluoranthene
Concen: 37.149 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 669775

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.4	8.6	12.8



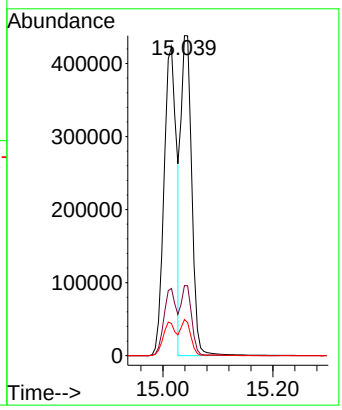


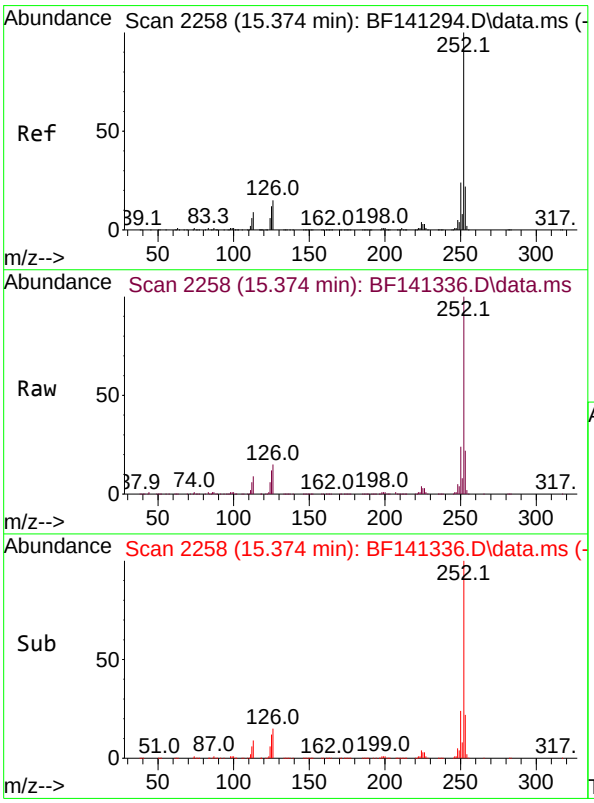
#89
Benzo(k)fluoranthene
Concen: 37.413 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 597549

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.3	8.4	12.6

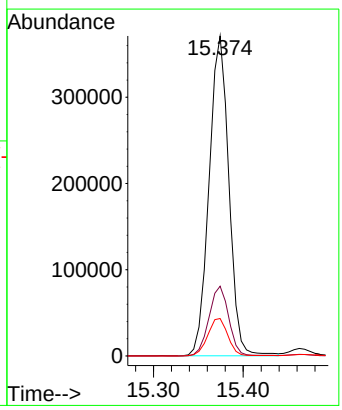


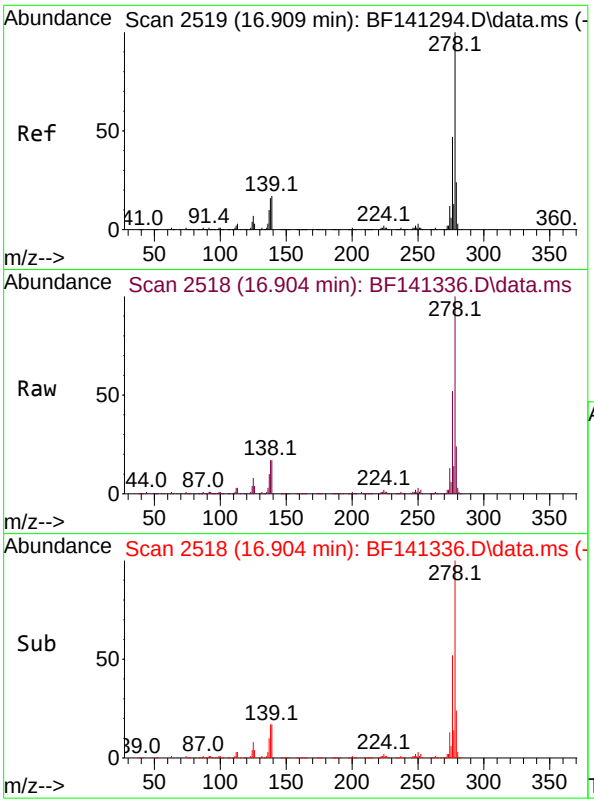


#90
Benzo(a)pyrene
Concen: 37.294 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 568194

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.7	9.4	14.2



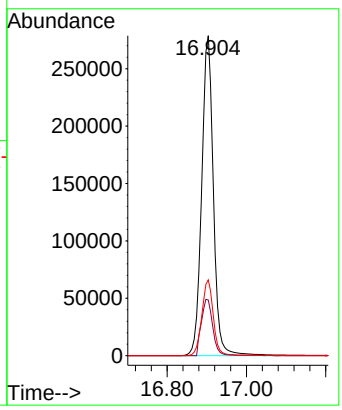


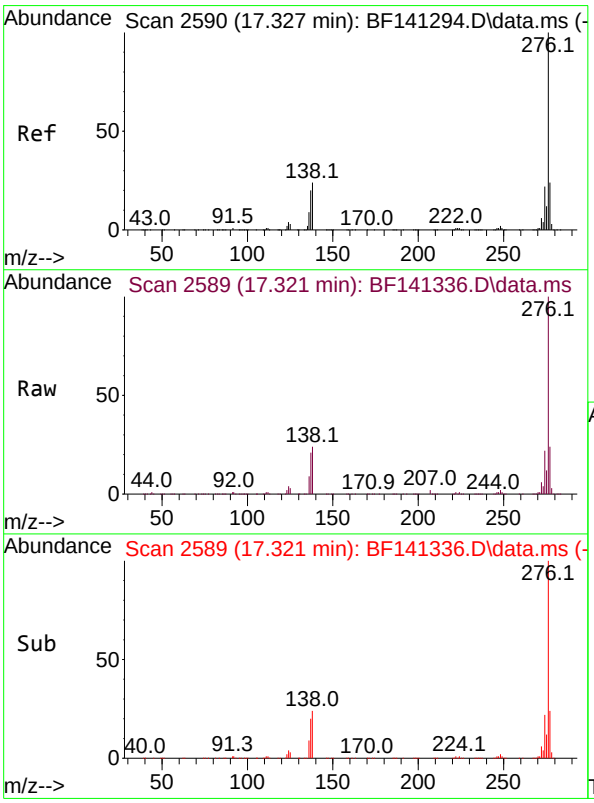
#91
Dibenzo(a,h)anthracene
Concen: 38.458 ng
RT: 16.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 572387

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	23.7	18.8	28.2

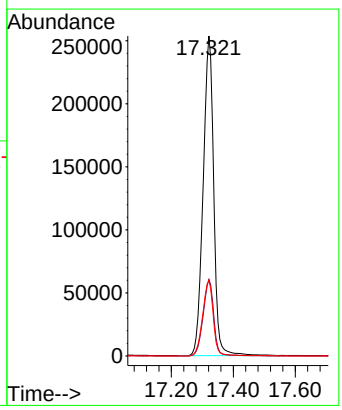




#92
Benzo(g,h,i)perylene
Concen: 38.883 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:276 Resp: 601743

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	23.6	19.0	28.4



Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.573	0.545	4.9	104	0.00
3		Pyridine	1.380	1.326	3.9	103	-0.02
4		n-Nitrosodimethylamine	0.789	0.750	4.9	102	-0.04
5	S	2-Fluorophenol	1.303	1.218	6.5	104	-0.01
6		Aniline	1.403	1.344	4.2	101	-0.01
7	S	Phenol-d6	1.657	1.534	7.4	104	-0.01
8		2-Chlorophenol	1.396	1.307	6.4	103	-0.01
9		Benzaldehyde	0.960	0.972	-1.3	111	0.00
10	C	Phenol	1.757	1.652	6.0	103	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.267	5.9	106	-0.01
12		1,3-Dichlorobenzene	1.540	1.440	6.5	103	0.00
13	C	1,4-Dichlorobenzene	1.547	1.436	7.2	103	0.00
14		1,2-Dichlorobenzene	1.448	1.350	6.8	103	0.00
15		Benzyl Alcohol	1.133	1.101	2.8	104	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.199	6.1	103	0.00
17		2-Methylphenol	1.135	1.062	6.4	105	0.00
18		Hexachloroethane	0.571	0.536	6.1	104	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.946	4.0	108	-0.01
20		3+4-Methylphenols	1.393	1.318	5.4	105	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.475	0.424	10.7	102	0.00
23	S	Nitrobenzene-d5	0.379	0.348	8.2	103	0.00
24		Nitrobenzene	0.393	0.365	7.1	103	-0.01
25		Isophorone	0.656	0.622	5.2	107	0.00
26	C	2-Nitrophenol	0.185	0.175	5.4	104	0.00
27		2,4-Dimethylphenol	0.236	0.224	5.1	105	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.386	7.7	104	0.00
29	C	2,4-Dichlorophenol	0.289	0.272	5.9	105	0.00
30		1,2,4-Trichlorobenzene	0.330	0.299	9.4	103	0.00
31		Naphthalene	1.057	0.966	8.6	104	0.00
32		Benzoic acid	0.217	0.226	-4.1	107	-0.04
33		4-Chloroaniline	0.358	0.329	8.1	102	0.00
34	C	Hexachlorobutadiene	0.194	0.179	7.7	105	0.00
35		Caprolactam	0.094	0.091	3.2	108	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.341	-10.0	124	0.00
37		2-Methylnaphthalene	0.672	0.618	8.0	104	0.00
38		1-Methylnaphthalene	0.660	0.605	8.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.515	9.5	102	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.159	5.4	98	0.00
42	S	2,4,6-Tribromophenol	0.183	0.177	3.3	108	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.365	1.9	106	0.00
44		2,4,5-Trichlorophenol	0.405	0.381	5.9	107	0.00
45	S	2-Fluorobiphenyl	1.299	1.148	11.6	103	0.00
46		1,1'-Biphenyl	1.560	1.427	8.5	104	0.00
47		2-Chloronaphthalene	1.216	1.102	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.366	4.2	107	0.00
49		Acenaphthylene	1.702	1.577	7.3	105	0.00
50		Dimethylphthalate	1.351	1.290	4.5	110	0.00
51		2,6-Dinitrotoluene	0.314	0.300	4.5	107	0.00
52	C	Acenaphthene	1.216	1.127	7.3	106	0.00
53		3-Nitroaniline	0.307	0.292	4.9	102	0.00
54	P	2,4-Dinitrophenol	0.146	0.150	-2.7	108	0.00
55		Dibenzofuran	1.627	1.481	9.0	103	0.00
56	P	4-Nitrophenol	0.225	0.300	-33.3#	142	0.00
57		2,4-Dinitrotoluene	0.406	0.427	-5.2	117	0.00
58		Fluorene	1.262	1.151	8.8	104	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.310	2.8	108	0.00
60		Diethylphthalate	1.310	1.249	4.7	108	0.00
61		4-Chlorophenyl-phenylether	0.617	0.562	8.9	105	0.00
62		4-Nitroaniline	0.302	0.288	4.6	105	-0.01
63		Azobenzene	1.311	1.231	6.1	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.131	-11.0	113	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.627	3.1	108	0.00
67		4-Bromophenyl-phenylether	0.224	0.220	1.8	109	0.00
68		Hexachlorobenzene	0.238	0.232	2.5	109	0.00
69		Atrazine	0.216	0.184	14.8	93	0.00
70	C	Pentachlorophenol	0.139	0.186	-33.8#	140	0.00
71		Phenanthrene	1.075	1.016	5.5	107	0.00
72		Anthracene	1.053	0.999	5.1	107	0.00
73		Carbazole	0.934	0.892	4.5	107	0.00
74		Di-n-butylphthalate	1.132	1.116	1.4	111	0.00
75	C	Fluoranthene	1.062	1.011	4.8	108	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.641	0.620	3.3	92	0.00
78		Pyrene	1.920	1.949	-1.5	120	0.00
79	S	Terphenyl-d14	1.297	1.177	9.3	108	0.00
80		Butylbenzylphthalate	0.671	0.656	2.2	113	0.00
81		Benzo(a)anthracene	1.380	1.181	14.4	100	0.00
82		3,3'-Dichlorobenzidine	0.439	0.397	9.6	103	0.00
83		Chrysene	1.265	1.179	6.8	112	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.815	4.2	112	0.00
85	c	Di-n-octyl phthalate	1.321	1.285	2.7	113	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.291	1.238	4.1	101	-0.01
88		Benzo(b)fluoranthene	1.258	1.168	7.2	107	0.00
89		Benzo(k)fluoranthene	1.114	1.042	6.5	99	-0.01
90	C	Benzo(a)pyrene	1.063	0.991	6.8	101	0.00
91		Dibenzo(a,h)anthracene	1.039	0.999	3.8	101	-0.02
92		Benzo(g,h,i)perylene	1.080	1.050	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	38.066	4.8	104	0.00
3		Pyridine	40.000	38.429	3.9	103	-0.02
4		n-Nitrosodimethylamine	40.000	38.050	4.9	102	-0.04
5	S	2-Fluorophenol	80.000	74.803	6.5	104	-0.01
6		Aniline	40.000	38.328	4.2	101	-0.01
7	S	Phenol-d6	80.000	74.066	7.4	104	-0.01
8		2-Chlorophenol	40.000	37.432	6.4	103	-0.01
9		Benzaldehyde	40.000	40.484	-1.2	111	0.00
10	C	Phenol	40.000	37.622	5.9	103	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.636	5.9	106	-0.01
12		1,3-Dichlorobenzene	40.000	37.423	6.4	103	0.00
13	C	1,4-Dichlorobenzene	40.000	37.151	7.1	103	0.00
14		1,2-Dichlorobenzene	40.000	37.272	6.8	103	0.00
15		Benzyl Alcohol	40.000	38.880	2.8	104	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.552	6.1	103	0.00
17		2-Methylphenol	40.000	37.434	6.4	105	0.00
18		Hexachloroethane	40.000	37.585	6.0	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.424	3.9	108	-0.01
20		3+4-Methylphenols	40.000	37.845	5.4	105	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	35.678	10.8	102	0.00
23	S	Nitrobenzene-d5	80.000	73.308	8.4	103	0.00
24		Nitrobenzene	40.000	37.116	7.2	103	-0.01
25		Isophorone	40.000	37.934	5.2	107	0.00
26	C	2-Nitrophenol	40.000	37.762	5.6	104	0.00
27		2,4-Dimethylphenol	40.000	37.999	5.0	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.955	7.6	104	0.00
29	C	2,4-Dichlorophenol	40.000	37.608	6.0	105	0.00
30		1,2,4-Trichlorobenzene	40.000	36.214	9.5	103	0.00
31		Naphthalene	40.000	36.561	8.6	104	0.00
32		Benzoic acid	40.000	41.698	-4.2	107	-0.04
33		4-Chloroaniline	40.000	36.719	8.2	102	0.00
34	C	Hexachlorobutadiene	40.000	37.021	7.4	105	0.00
35		Caprolactam	40.000	38.705	3.2	108	-0.02
36	C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	124	0.00
37		2-Methylnaphthalene	40.000	36.818	8.0	104	0.00
38		1-Methylnaphthalene	40.000	36.681	8.3	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.224	9.4	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.949	5.1	98	0.00
42	S	2,4,6-Tribromophenol	80.000	77.122	3.6	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.199	2.0	106	0.00
44		2,4,5-Trichlorophenol	40.000	37.608	6.0	107	0.00
45	S	2-Fluorobiphenyl	80.000	70.690	11.6	103	0.00
46		1,1'-Biphenyl	40.000	36.585	8.5	104	0.00
47		2-Chloronaphthalene	40.000	36.251	9.4	104	0.00

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.330	4.2	107	0.00
49		Acenaphthylene	40.000	37.073	7.3	105	0.00
50		Dimethylphthalate	40.000	38.200	4.5	110	0.00
51		2,6-Dinitrotoluene	40.000	38.268	4.3	107	0.00
52	C	Acenaphthene	40.000	37.066	7.3	106	0.00
53		3-Nitroaniline	40.000	37.936	5.2	102	0.00
54	P	2,4-Dinitrophenol	40.000	41.270	-3.2	108	0.00
55		Dibenzofuran	40.000	36.395	9.0	103	0.00
56	P	4-Nitrophenol	40.000	53.378	-33.4#	142	0.00
57		2,4-Dinitrotoluene	40.000	42.014	-5.0	117	0.00
58		Fluorene	40.000	36.485	8.8	104	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.903	2.7	108	0.00
60		Diethylphthalate	40.000	38.140	4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	36.458	8.9	105	0.00
62		4-Nitroaniline	40.000	38.063	4.8	105	-0.01
63		Azobenzene	40.000	37.573	6.1	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.270	-10.7	113	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.751	3.1	108	0.00
67		4-Bromophenyl-phenylether	40.000	39.236	1.9	109	0.00
68		Hexachlorobenzene	40.000	38.991	2.5	109	0.00
69		Atrazine	40.000	33.985	15.0	93	0.00
70	C	Pentachlorophenol	40.000	53.575	-33.9#	140	0.00
71		Phenanthrene	40.000	37.819	5.5	107	0.00
72		Anthracene	40.000	37.948	5.1	107	0.00
73		Carbazole	40.000	38.220	4.5	107	0.00
74		Di-n-butylphthalate	40.000	39.444	1.4	111	0.00
75	C	Fluoranthene	40.000	38.098	4.8	108	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	38.664	3.3	92	0.00
78		Pyrene	40.000	40.606	-1.5	120	0.00
79	S	Terphenyl-d14	80.000	72.583	9.3	108	0.00
80		Butylbenzylphthalate	40.000	39.103	2.2	113	0.00
81		Benzo(a)anthracene	40.000	34.223	14.4	100	0.00
82		3,3'-Dichlorobenzidine	40.000	36.200	9.5	103	0.00
83		Chrysene	40.000	37.287	6.8	112	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.304	4.2	112	0.00
85	c	Di-n-octyl phthalate	40.000	38.886	2.8	113	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.376	4.1	101	-0.01
88		Benzo(b)fluoranthene	40.000	37.149	7.1	107	0.00
89		Benzo(k)fluoranthene	40.000	37.413	6.5	99	-0.01
90	C	Benzo(a)pyrene	40.000	37.294	6.8	101	0.00
91		Dibenzo(a,h)anthracene	40.000	38.458	3.9	101	-0.02
92		Benzo(g,h,i)perylene	40.000	38.883	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.313		0.8	
Benzaldehyde	0.960	0.989		3.0	
Phenol-d6	1.657	1.641		-1.0	
Phenol	1.757	1.726		-1.8	20.0
bis(2-Chloroethyl)ether	1.347	1.302		-3.3	
2-Chlorophenol	1.396	1.420		1.7	
2-Methylphenol	1.135	1.098		-3.3	
2,2-oxybis(1-Chloropropane)	2.342	2.200		-6.1	
Acetophenone	0.475	0.501		5.5	
3+4-Methylphenols	1.393	1.446		3.8	
n-Nitroso-di-n-propylamine	0.985	0.973	0.050	-1.2	
Nitrobenzene-d5	0.379	0.397		4.7	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.407		3.6	
Isophorone	0.656	0.653		-0.5	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.234		-0.8	
bis(2-Chloroethoxy)methane	0.418	0.414		-1.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.079		2.1	
4-Chloroaniline	0.358	0.348		-2.8	
Hexachlorobutadiene	0.194	0.207		6.7	20.0
Caprolactam	0.094	0.095		1.1	
4-Chloro-3-methylphenol	0.310	0.324		4.5	20.0
2-Methylnaphthalene	0.672	0.690		2.7	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.315		1.2	
2,4,5-Trichlorophenol	0.405	0.416		2.7	
1,1-Biphenyl	1.560	1.548		-0.8	
2-Chloronaphthalene	1.216	1.208		-0.7	
2-Nitroaniline	0.382	0.392		2.6	
Dimethylphthalate	1.351	1.368		1.3	
Acenaphthylene	1.702	1.699		-0.2	
2,6-Dinitrotoluene	0.314	0.315		0.3	
3-Nitroaniline	0.307	0.322		4.9	
Acenaphthene	1.216	1.239		1.9	20.0
2,4-Dinitrophenol	0.146	0.163	0.050	11.6	
4-Nitrophenol	0.225	0.256	0.050	13.8	

Raw Data: **BF141361.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.650		1.4	
2,4-Dinitrotoluene	0.406	0.426		4.9	
Diethylphthalate	1.310	1.343		2.5	
4-Chlorophenyl-phenylether	0.617	0.635		2.9	
Fluorene	1.262	1.311		3.9	
4-Nitroaniline	0.302	0.331		9.6	
4,6-Dinitro-2-methylphenol	0.118	0.139		17.8	
n-Nitrosodiphenylamine	0.647	0.658		1.7	20.0
2,4,6-Tribromophenol	0.183	0.200		9.3	
4-Bromophenyl-phenylether	0.224	0.234		4.5	
Hexachlorobenzene	0.238	0.249		4.6	
Atrazine	0.216	0.216		0.0	
Pentachlorophenol	0.139	0.152		9.4	20.0
Phenanthrene	1.075	1.130		5.1	
Anthracene	1.053	1.117		6.1	
Carbazole	0.934	1.033		10.6	
Di-n-butylphthalate	1.132	1.220		7.8	
Fluoranthene	1.062	1.211		14.0	20.0
Pyrene	1.920	1.679		-12.6	
Terphenyl-d14	1.297	1.144		-11.8	
Butylbenzylphthalate	0.671	0.642		-4.3	
3,3-Dichlorobenzidine	0.439	0.436		-0.7	
Benzo(a)anthracene	1.380	1.322		-4.2	
Chrysene	1.265	1.235		-2.4	
Bis(2-ethylhexyl)phthalate	0.851	0.896		5.3	
Di-n-octyl phthalate	1.321	1.471		11.4	20.0
Benzo(b)fluoranthene	1.258	1.389		10.4	
Benzo(k)fluoranthene	1.114	1.030		-7.5	
Benzo(a)pyrene	1.063	1.103		3.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.398		8.3	
Dibenzo(a,h)anthracene	1.039	1.124		8.2	
Benzo(g,h,i)perylene	1.080	1.182		9.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.572		0.5	
1,4-Dioxane	0.573	0.630		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.342		7.2	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

02/04/2025
Supervised By :mohammad ahmed

02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	93803	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	362783	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	198566	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	334466	20.000	ng		0.00
76) Chrysene-d12	13.968	240	243574	20.000	ng		0.00
86) Perylene-d12	15.427	264	284769	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	492717	80.639	ng		0.00
7) Phenol-d6	6.439	99	615730	79.215	ng		0.00
23) Nitrobenzene-d5	7.363	82	576560	83.781	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	158958	87.321	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1044178	80.940	ng		0.00
79) Terphenyl-d14	12.910	244	1114591	70.570	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.475	88	118270	44.012	ng		99
3) Pyridine	3.210	79	248823	38.431	ng		97
4) n-Nitrosodimethylamine	3.163	42	157786	42.660	ng		92
6) Aniline	6.457	93	244181	37.112	ng	#	10
8) 2-Chlorophenol	6.587	128	266456	40.687	ng		98
9) Benzaldehyde	6.345	77	185452	41.190	ng		99
10) Phenol	6.451	94	323771	39.294	ng	#	73
11) bis(2-Chloroethyl)ether	6.534	93	244237	38.659	ng		99
12) 1,3-Dichlorobenzene	6.739	146	294934	40.844	ng		99
13) 1,4-Dichlorobenzene	6.816	146	294184	40.554	ng		99
14) 1,2-Dichlorobenzene	6.969	146	276119	40.649	ng		99
15) Benzyl Alcohol	6.939	79	227583	42.844	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	412661	37.563	ng		68
17) 2-Methylphenol	7.063	107	205926	38.689	ng	#	90
18) Hexachloroethane	7.310	117	110745	41.383	ng		97
19) n-Nitroso-di-n-propyla...	7.210	70	182630	39.542	ng		99
20) 3+4-Methylphenols	7.216	107	271346	41.520	ng	#	84
22) Acetophenone	7.204	105	363495	42.153	ng	#	96
24) Nitrobenzene	7.381	77	295113	41.381	ng		99
25) Isophorone	7.616	82	473753	39.825	ng		99
26) 2-Nitrophenol	7.698	139	139470	41.467	ng		99
27) 2,4-Dimethylphenol	7.739	122	169654m	39.629	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	300026	39.540	ng		99
29) 2,4-Dichlorophenol	7.945	162	215476	41.114	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	243325	40.654	ng		99
31) Naphthalene	8.104	128	782884	40.850	ng		100
32) Benzoic acid	7.857	122	164754	41.864	ng		98
33) 4-Chloroaniline	8.151	127	252352	38.830	ng		99
34) Hexachlorobutadiene	8.216	225	150331	42.830	ng		99
35) Caprolactam	8.516	113	68685	40.128	ng		98
36) 4-Chloro-3-methylphenol	8.639	107	235016	41.805	ng		96
37) 2-Methylnaphthalene	8.792	142	500491	41.088	ng		100
38) 1-Methylnaphthalene	8.892	142	487831	40.770	ng		100
40) 1,2,4,5-Tetrachloroben...	8.957	216	227300	40.237	ng		99
41) Hexachlorocyclopentadiene	8.945	237	73377	43.983	ng		100
43) 2,4,6-Trichlorophenol	9.075	196	152514	41.248	ng		98

Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

02/04/2025
Supervised By :mohammad ahmed

02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	165119	41.031	ng	98
46) 1,1'-Biphenyl	9.257	154	614766	39.699	ng	98
47) 2-Chloronaphthalene	9.280	162	479677	39.740	ng	100
48) 2-Nitroaniline	9.380	65	155868	41.055	ng	98
49) Acenaphthylene	9.698	152	674542	39.923	ng	100
50) Dimethylphthalate	9.557	163	543455	40.523	ng	100
51) 2,6-Dinitrotoluene	9.622	165	125020	40.149	ng	98
52) Acenaphthene	9.869	154	491940	40.755	ng	99
53) 3-Nitroaniline	9.792	138	127750	41.859	ng	98
54) 2,4-Dinitrophenol	9.898	184	64595	44.625	ng	93
55) Dibenzofuran	10.039	168	655150	40.548	ng	98
56) 4-Nitrophenol	9.975	139	101492	45.471	ng	96
57) 2,4-Dinitrotoluene	10.022	165	169109	41.946	ng	97
58) Fluorene	10.380	166	520788	41.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	135793	42.892	ng	99
60) Diethylphthalate	10.257	149	533471	41.025	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	252040	41.170	ng	98
62) 4-Nitroaniline	10.404	138	131617	43.865	ng	96
63) Azobenzene	10.533	77	521272	40.048	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	92723	46.869	ng	99
66) n-Nitrosodiphenylamine	10.498	169	440088	40.682	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	156199	41.715	ng	97
68) Hexachlorobenzene	10.933	284	166289	41.866	ng	97
69) Atrazine	11.022	200	144588	39.975	ng	98
70) Pentachlorophenol	11.127	266	101747	43.745	ng	98
71) Phenanthrene	11.345	178	756115	42.056	ng	100
72) Anthracene	11.398	178	747273	42.420	ng	100
73) Carbazole	11.551	167	690858	44.227	ng	99
74) Di-n-butylphthalate	11.886	149	815911	43.100	ng	100
75) Fluoranthene	12.533	202	809964	45.626	ng	99
77) Benzidine	12.657	184	305172	39.082	ng	99
78) Pyrene	12.763	202	817992	34.986	ng	100
80) Butylbenzylphthalate	13.386	149	312910	38.308	ng	99
81) Benzo(a)anthracene	13.957	228	644165	38.325	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	212156	39.687	ng	99
83) Chrysene	13.992	228	601529	39.050	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436692	42.145	ng	98
85) Di-n-octyl phthalate	14.574	149	716424	44.516	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	796465	43.334	ng	100
88) Benzo(b)fluoranthene	15.009	252	791291	44.175	ng	100
89) Benzo(k)fluoranthene	15.039	252	586341	36.950	ng	100
90) Benzo(a)pyrene	15.368	252	628247	41.504	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	640257	43.298	ng	100
92) Benzo(g,h,i)perylene	17.315	276	672962	43.768	ng	100

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

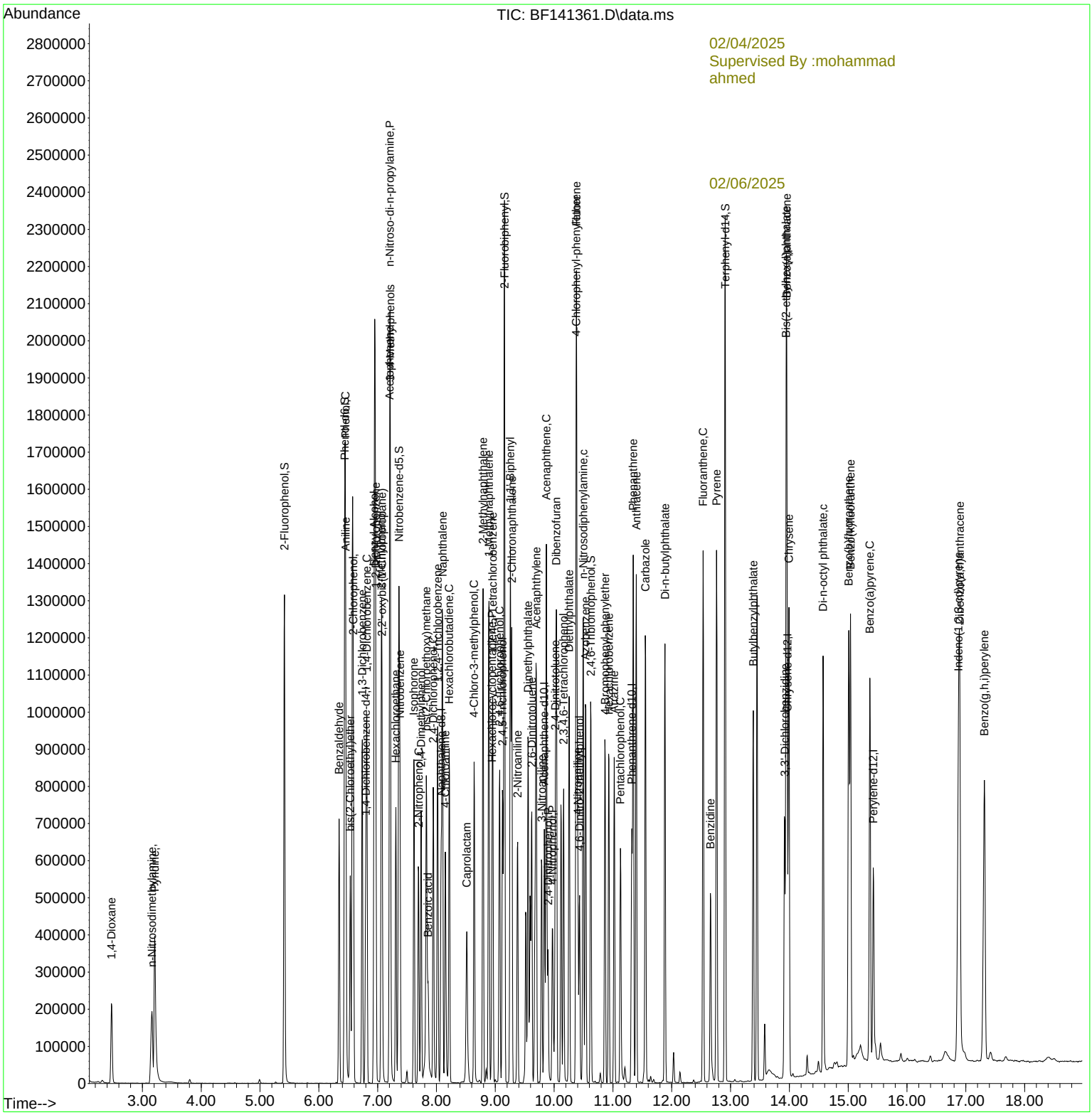
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Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

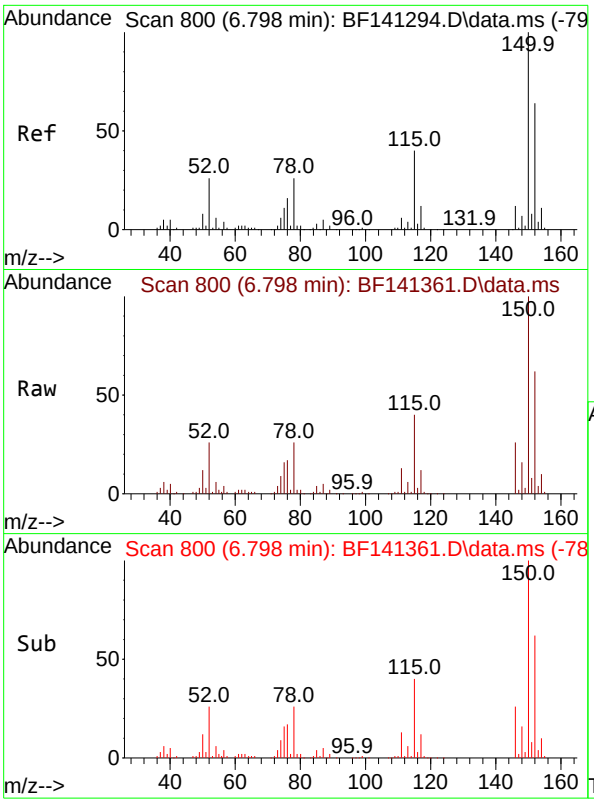
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

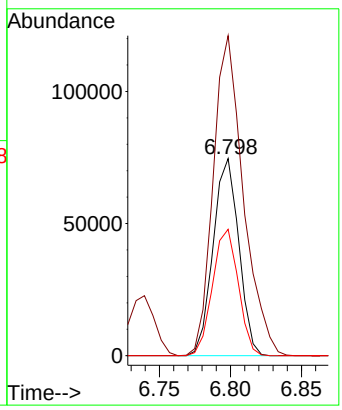




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:152 Resp: 9380

Ion	Ratio	Lower	Upper
152	100		
150	162.4	125.9	188.9
115	64.2	49.7	74.5



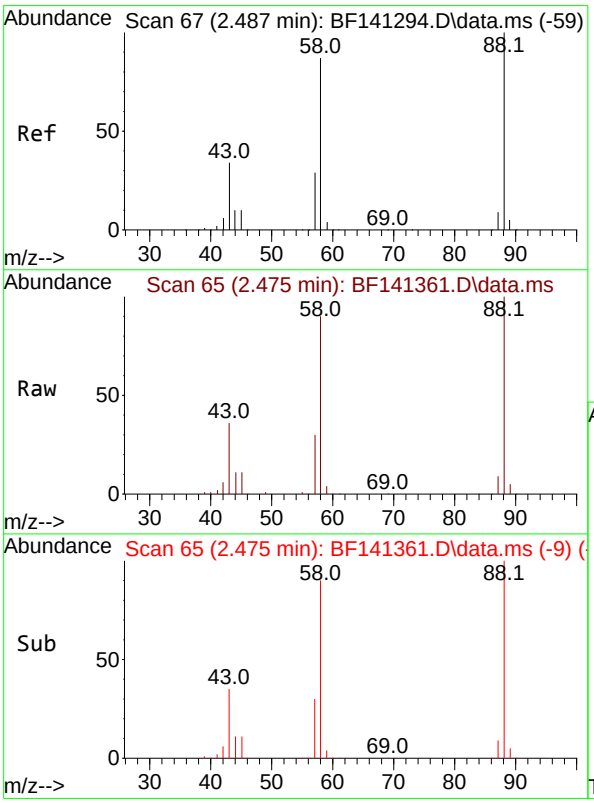
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

02/04/2025
Supervised By :mohammad ahmed

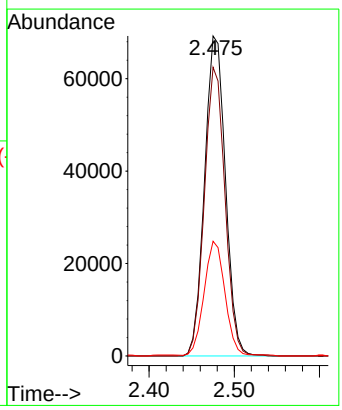
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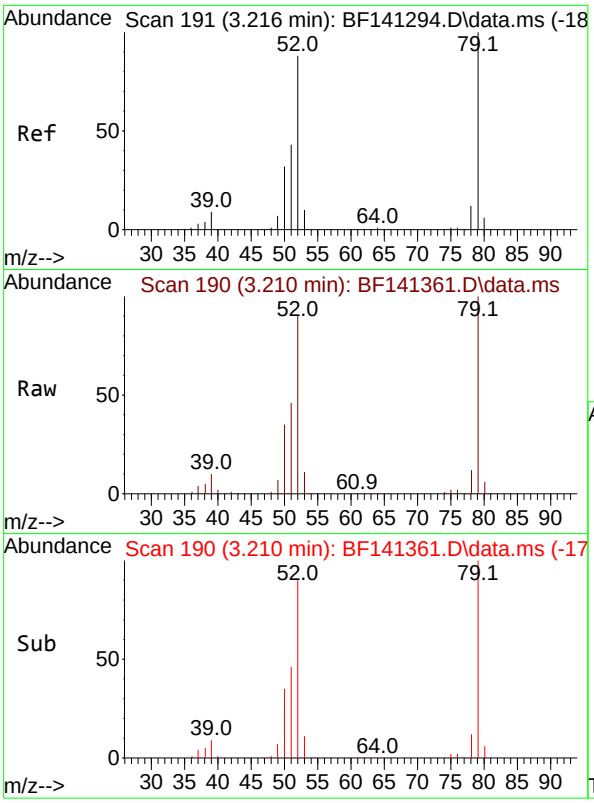


#2
1,4-Dioxane
Concen: 44.012 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 88 Resp: 118270

Ion	Ratio	Lower	Upper
88	100		
58	88.7	70.2	105.4
43	36.1	27.6	41.4

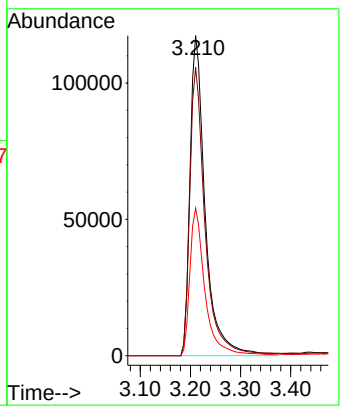




#3
Pyridine
Concen: 38.431 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 79 Resp: 24882

Ion	Ratio	Lower	Upper
79	100		
52	90.1	70.3	105.5
51	46.1	34.3	51.5



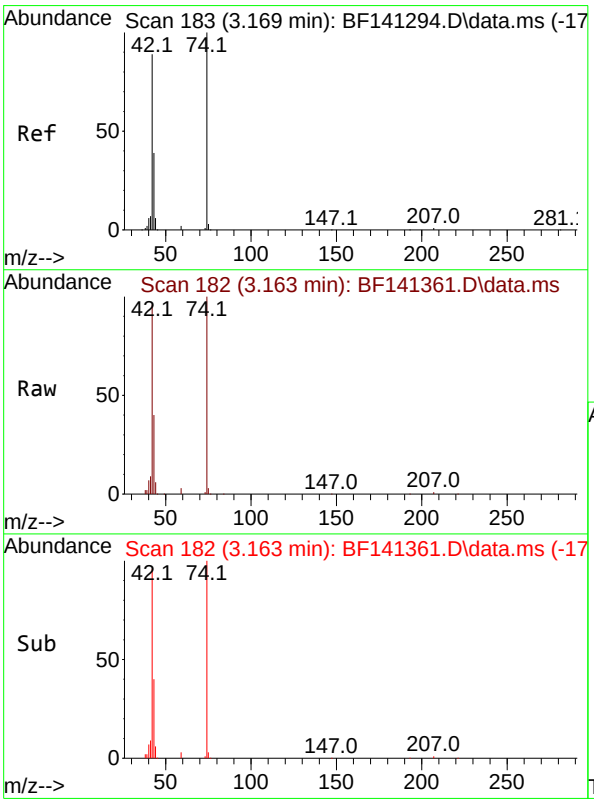
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Jagrut Upadhyay

02/04/2025
Supervised By :mohammad ahmed

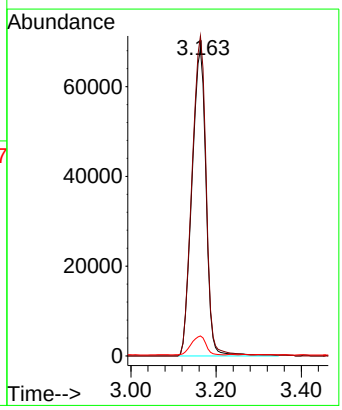
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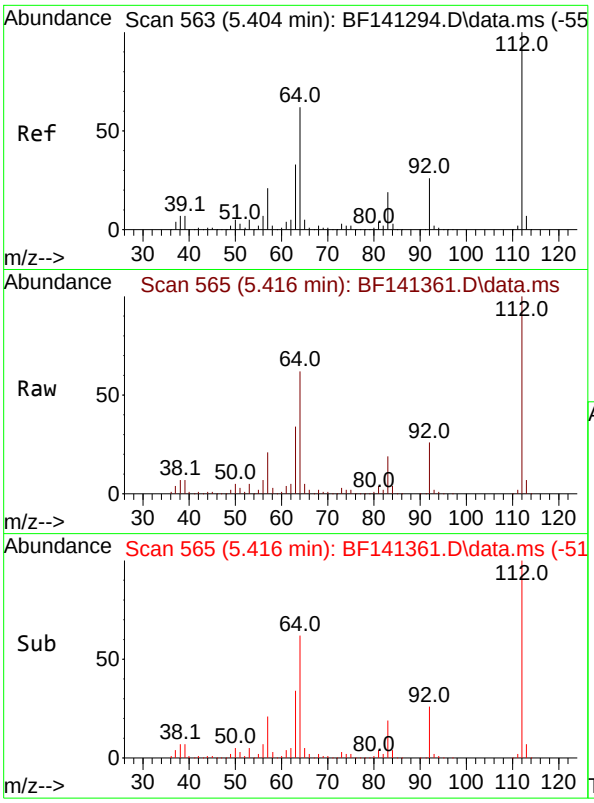


#4
n-Nitrosodimethylamine
Concen: 42.660 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.036 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 42 Resp: 157786

Ion	Ratio	Lower	Upper
42	100		
74	104.4	90.3	135.5
44	6.5	5.7	8.5

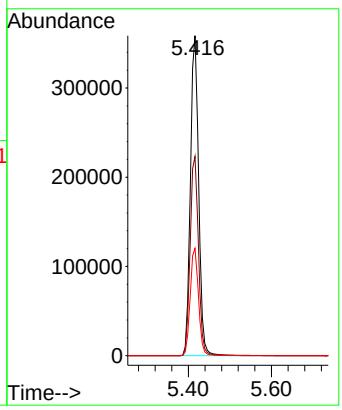




#5
2-Fluorophenol
Concen: 80.639 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:112 Resp: 49271

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	33.5	26.1	39.1



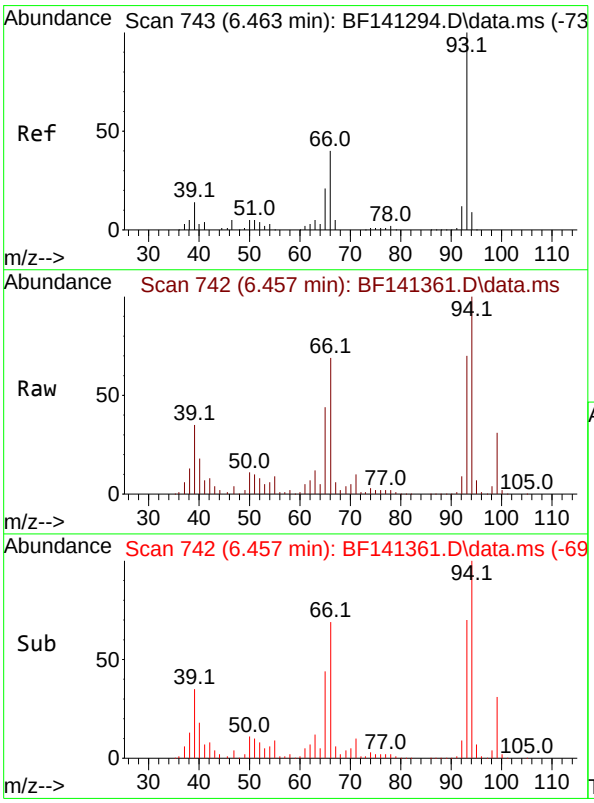
Instrument :
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ClientSampleId :
SSTDCCC040

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02/04/2025
Supervised By :mohammad ahmed

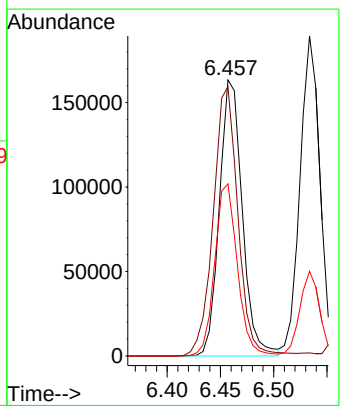
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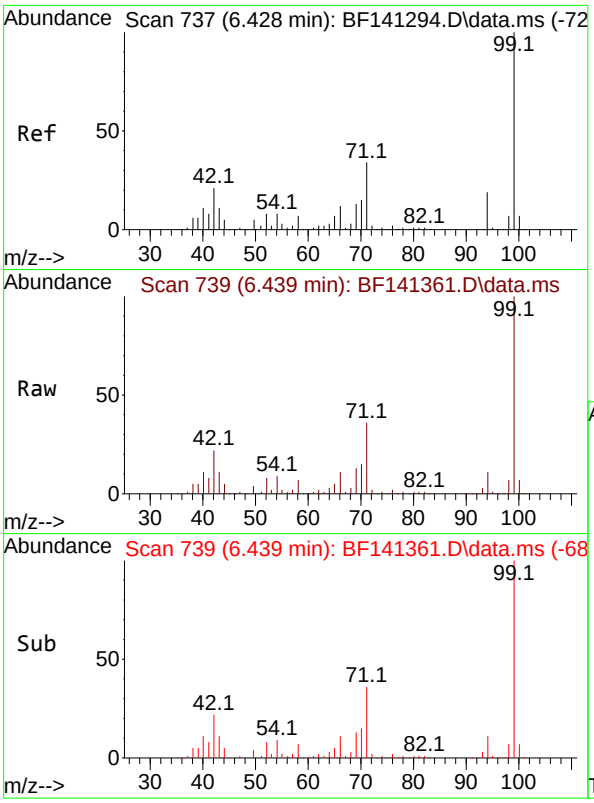


#6
Aniline
Concen: 37.112 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 93 Resp: 244181

Ion	Ratio	Lower	Upper
93	100		
66	97.6	32.5	48.7#
65	62.4	17.0	25.6#

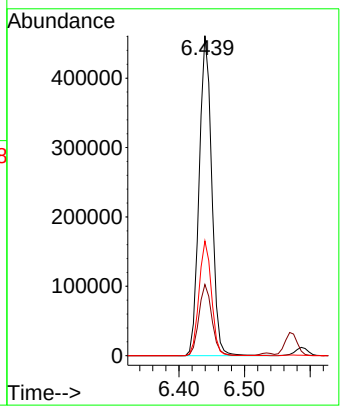




#7
Phenol-d6
Concen: 79.215 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 99 Resp: 61573

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.1	25.7
71	35.8	26.9	40.3



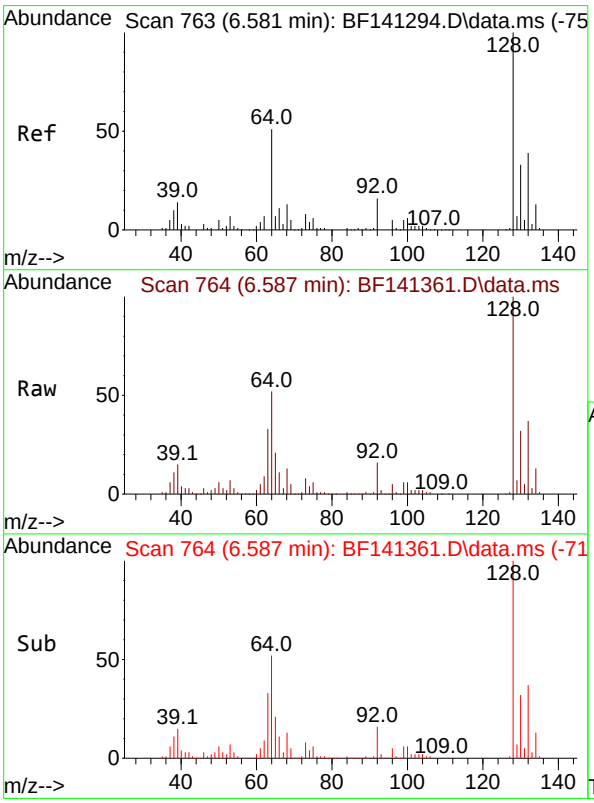
Instrument :
BNA_F
ClientSampleId :
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Supervised By :mohammad ahmed

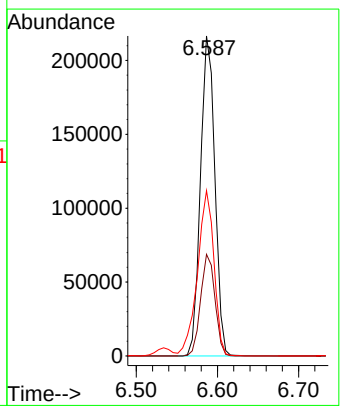
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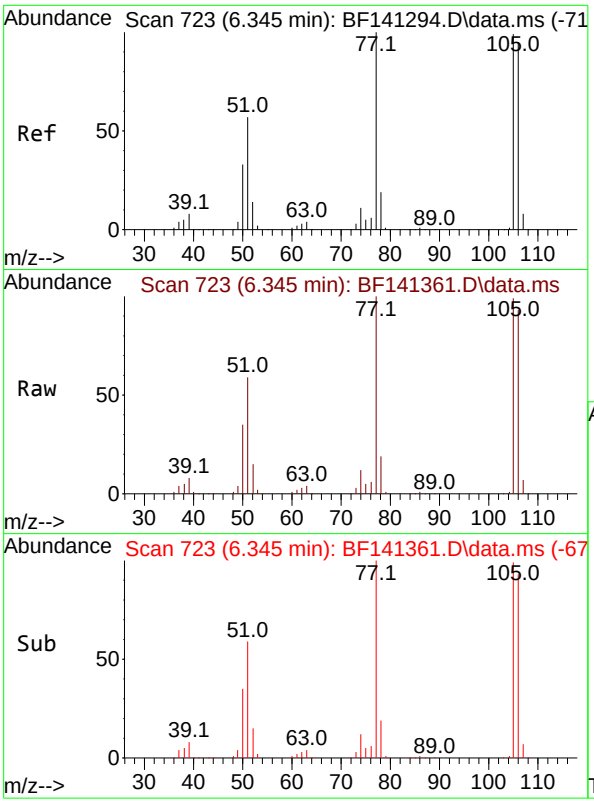


#8
2-Chlorophenol
Concen: 40.687 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:128 Resp: 266456

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	51.7	32.9	72.9

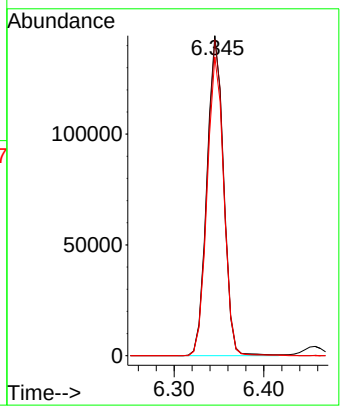




#9
Benzaldehyde
Concen: 41.190 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 77 Resp: 18545

Ion	Ratio	Lower	Upper
77	100		
105	98.8	79.4	119.4
106	93.4	74.6	114.6



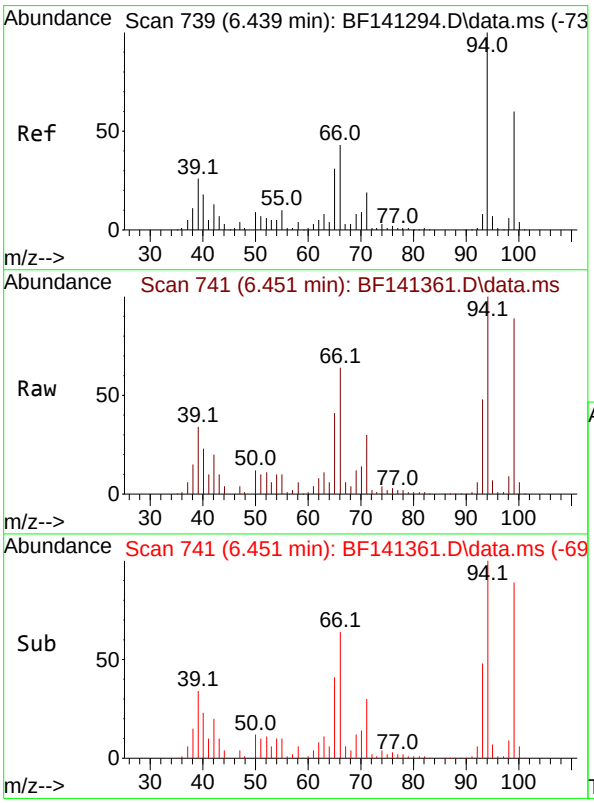
Instrument :
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ClientSampleId :
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Supervised By :mohammad ahmed

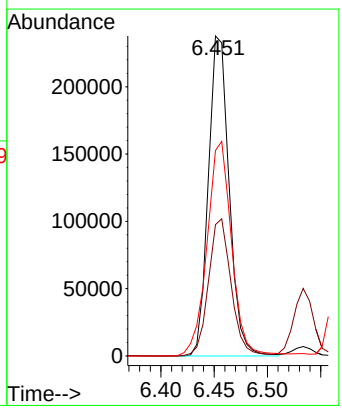
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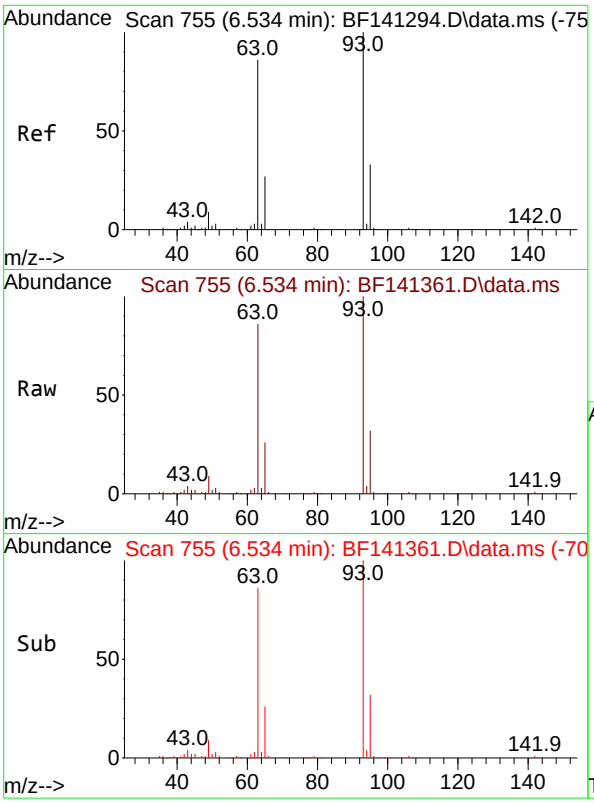


#10
Phenol
Concen: 39.294 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 94 Resp: 323771

Ion	Ratio	Lower	Upper
94	100		
65	41.1	10.8	50.8
66	64.2	23.3	63.3#

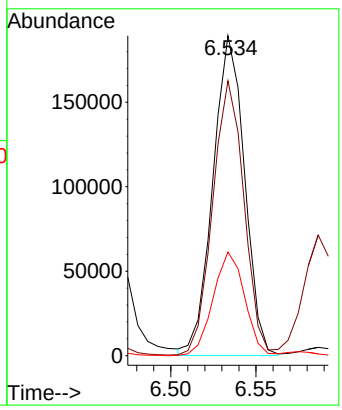




#11
bis(2-Chloroethyl)ether
Concen: 38.659 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 93 Resp: 24423

Ion	Ratio	Lower	Upper
93	100		
63	85.9	65.0	105.0
95	32.4	12.4	52.4



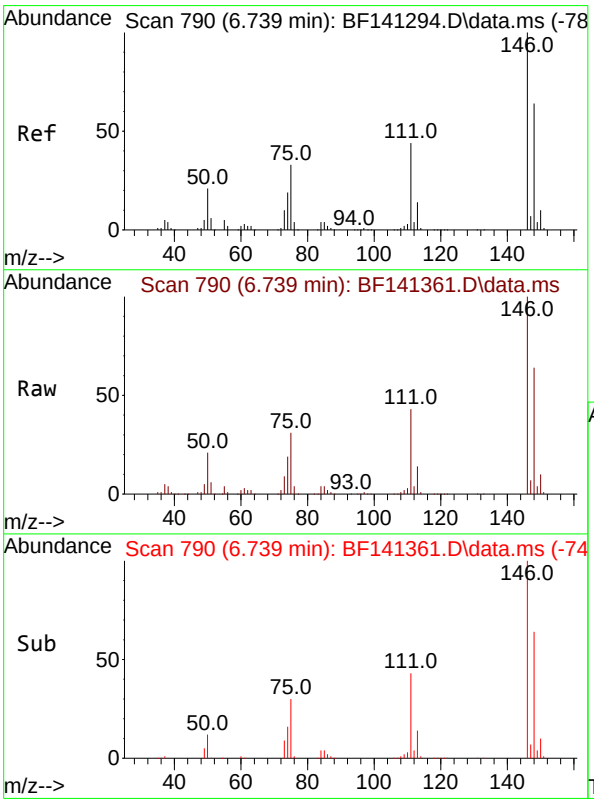
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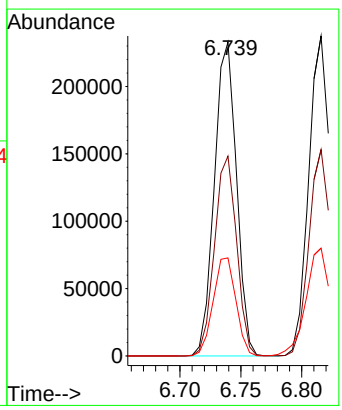
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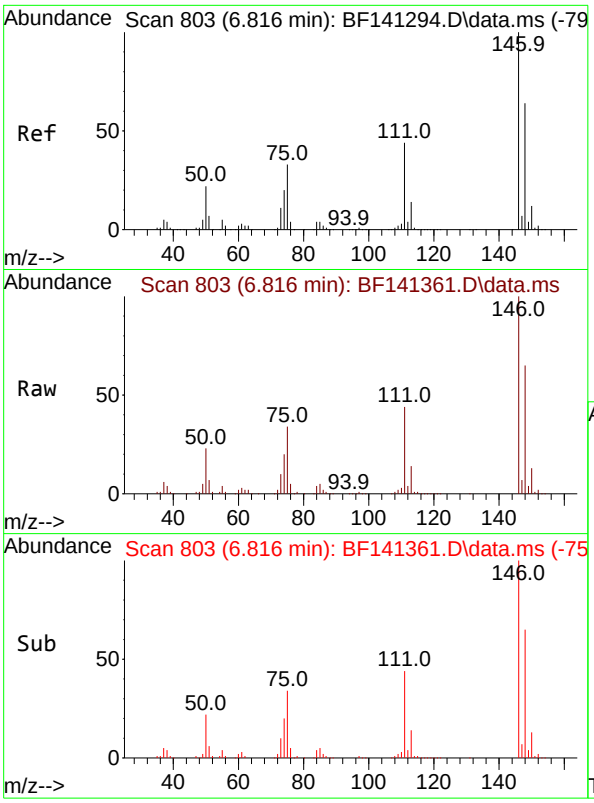


#12
1,3-Dichlorobenzene
Concen: 40.844 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:146 Resp: 294934

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
75	31.3	26.2	39.4

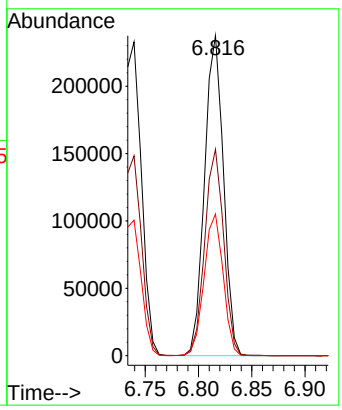




#13
1,4-Dichlorobenzene
Concen: 40.554 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:146 Resp: 29418

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
111	44.2	35.0	52.4



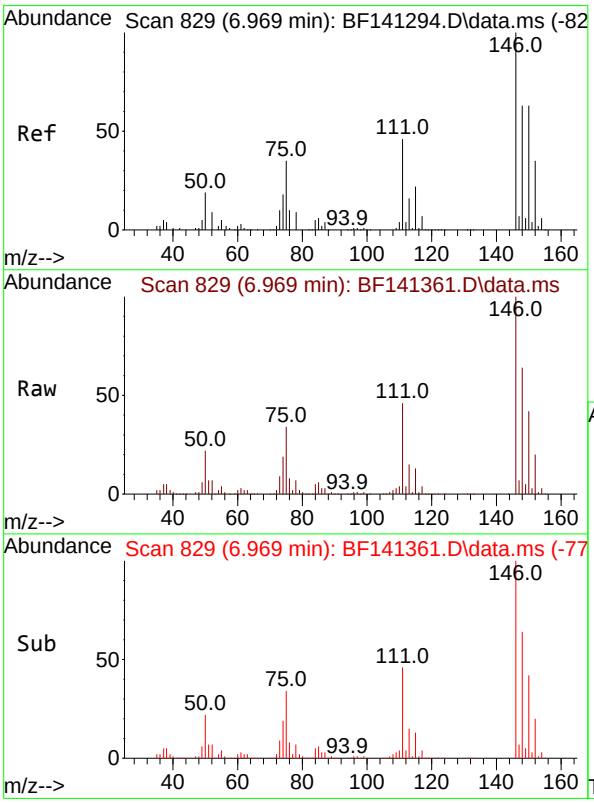
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BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Jagrut Upadhyay

02/04/2025
Supervised By :mohammad ahmed

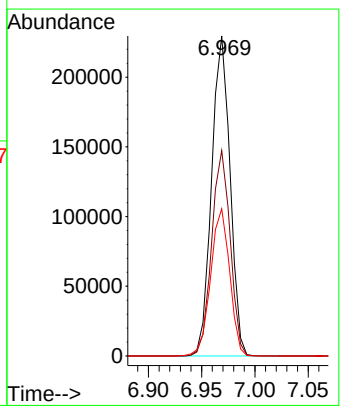
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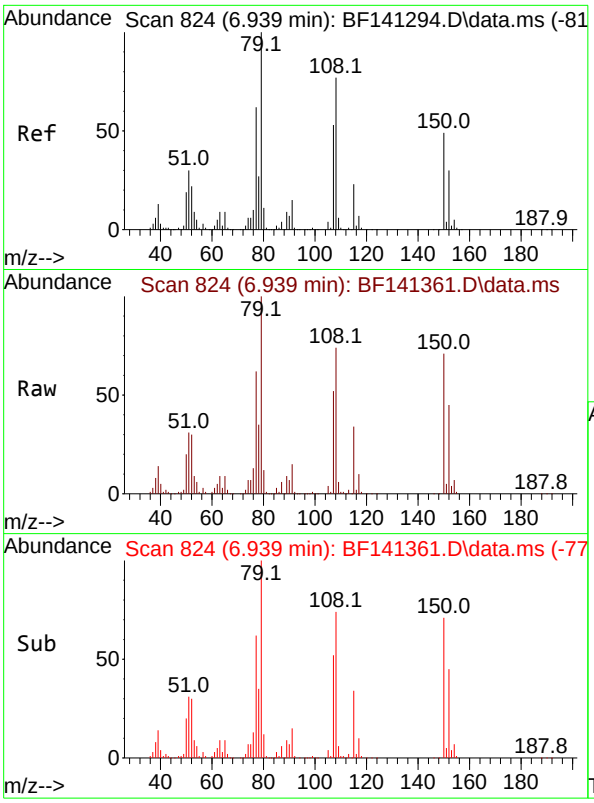


#14
1,2-Dichlorobenzene
Concen: 40.649 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:146 Resp: 276119

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.5	75.7
111	46.0	36.6	55.0





#15
Benzyl Alcohol
Concen: 42.844 ng
RT: 6.939 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

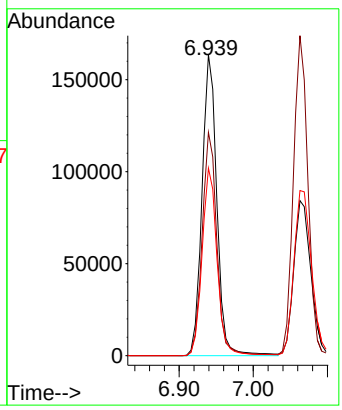
Tgt Ion: 79 Resp: 22758

Ion	Ratio	Lower	Upper
79	100		
108	74.2	61.4	92.0
77	62.3	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

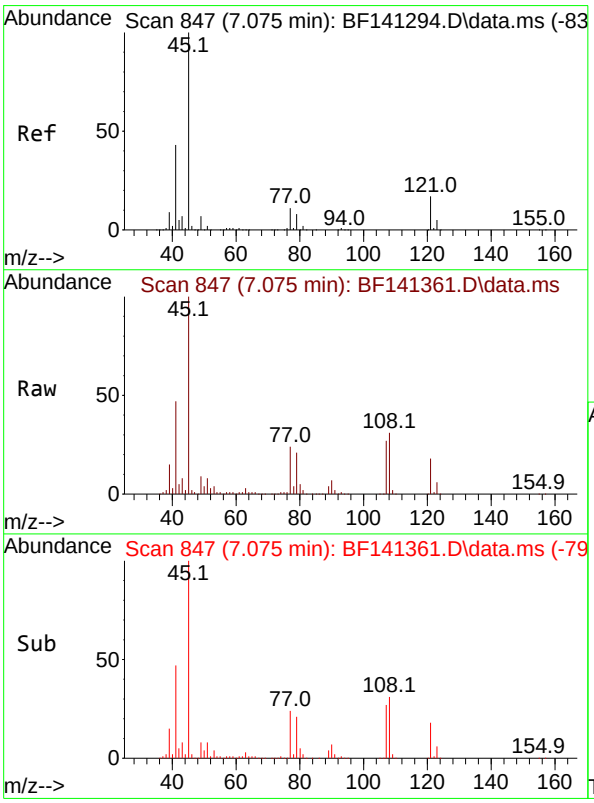
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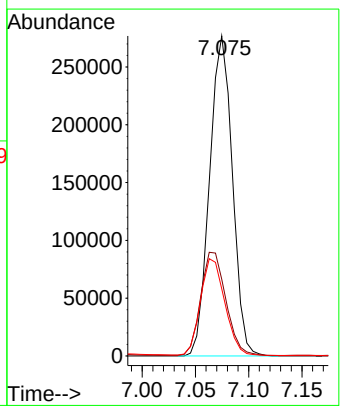
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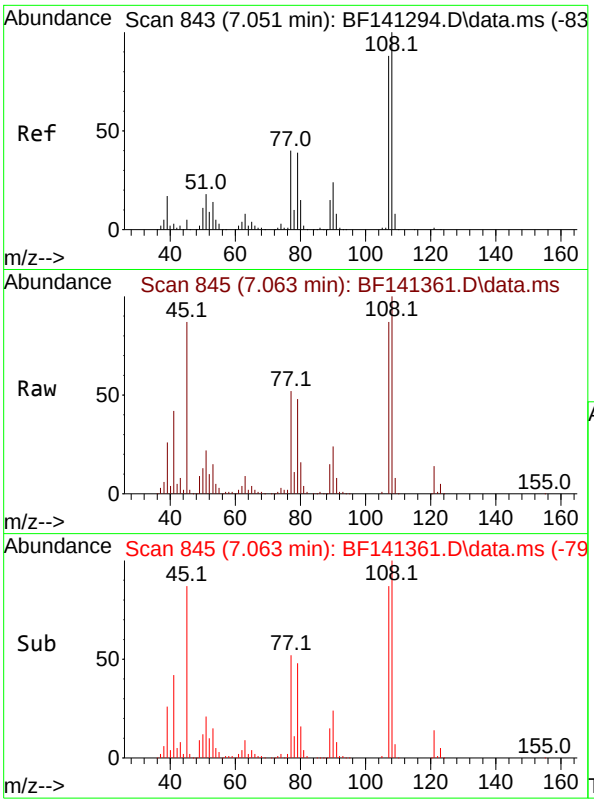


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.563 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 45 Resp: 412661

Ion	Ratio	Lower	Upper
45	100		
77	24.0	0.0	31.8
79	21.0	0.0	29.1

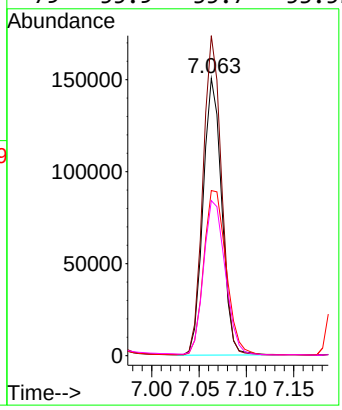




#17
2-Methylphenol
Concen: 38.689 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:107 Resp: 20592

Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.8	136.2
77	59.5	36.2	54.4#
79	55.9	35.7	53.5#



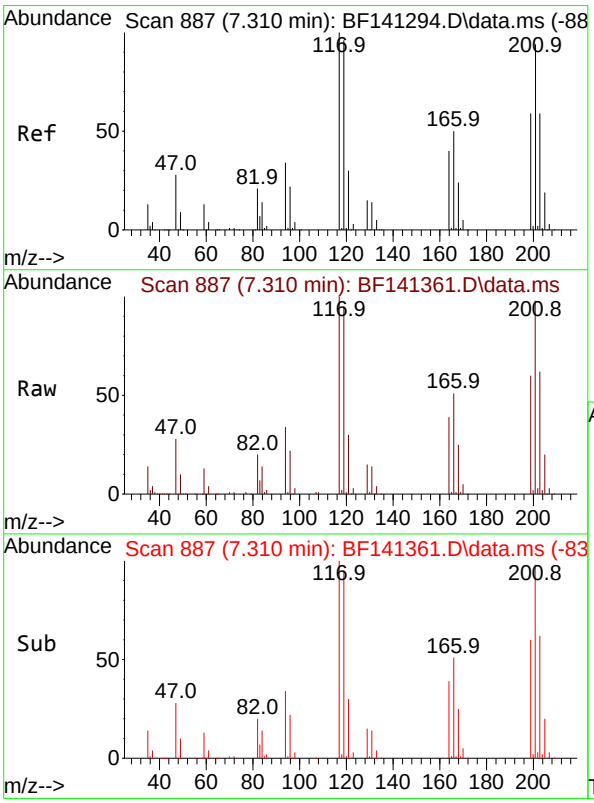
Instrument :
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ClientSampleId :
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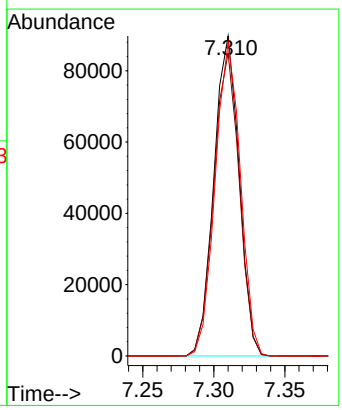
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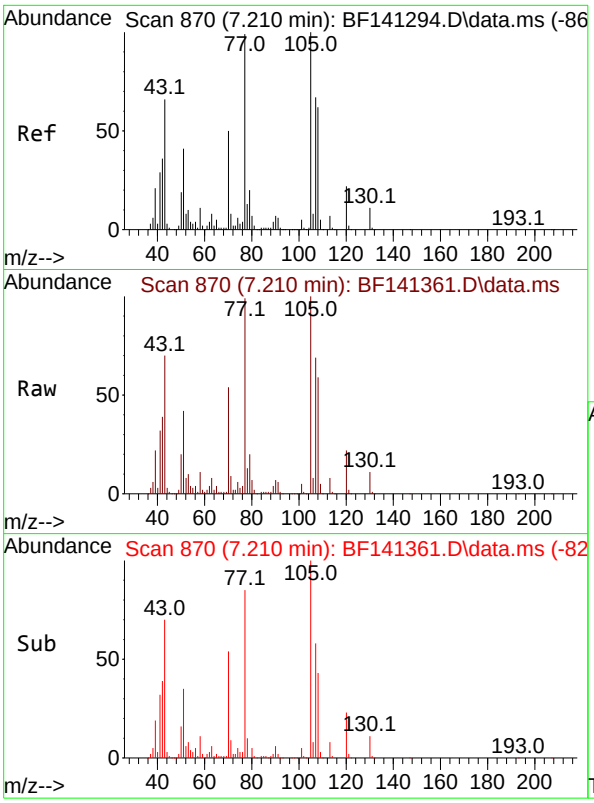


#18
Hexachloroethane
Concen: 41.383 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:117 Resp: 110745

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.6	114.8
201	98.0	74.8	112.2

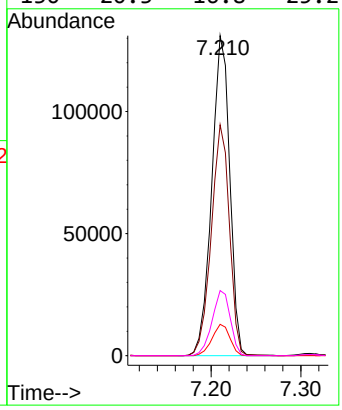




#19
n-Nitroso-di-n-propylamine
Concen: 39.542 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 70 Resp: 18263

Ion	Ratio	Lower	Upper
70	100		
42	72.2	56.8	85.2
101	9.8	7.7	11.5
130	20.3	16.8	25.2



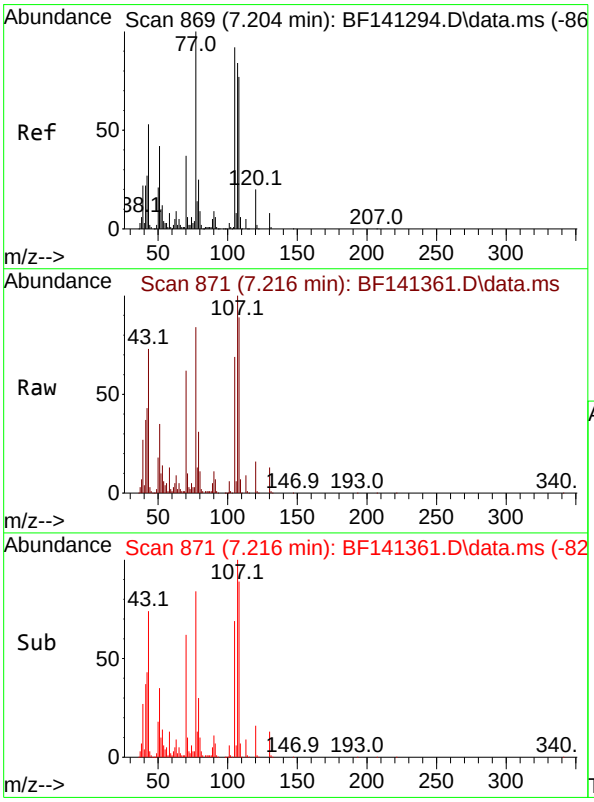
Instrument :
BNA_F
ClientSampleId :
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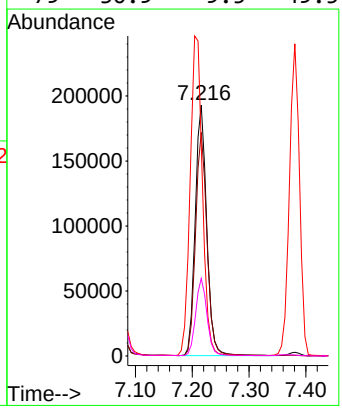
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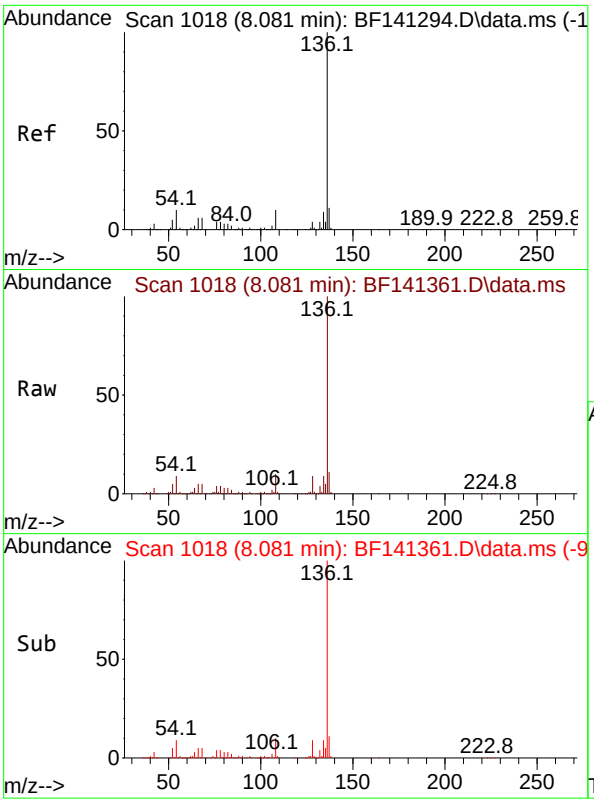


#20
3+4-Methylphenols
Concen: 41.520 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:107 Resp: 271346

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.9	110.9
77	84.4	98.5	138.5#
79	30.9	9.5	49.5

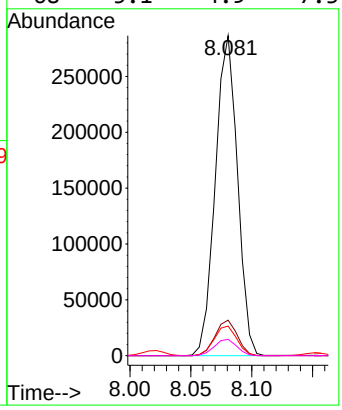




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:136 Resp: 36278

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	7.8	11.8
68	5.1	4.9	7.3



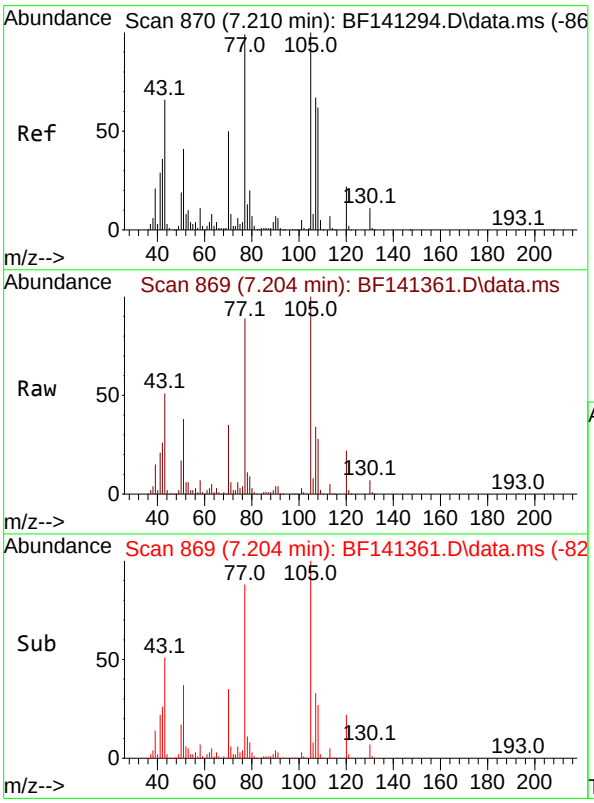
Instrument :
BNA_F
ClientSampleId :
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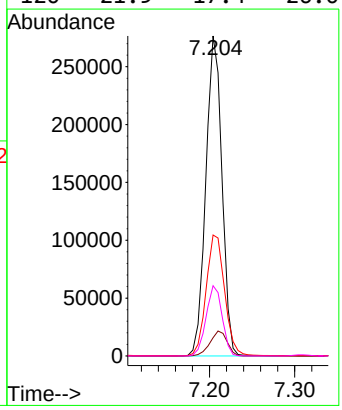
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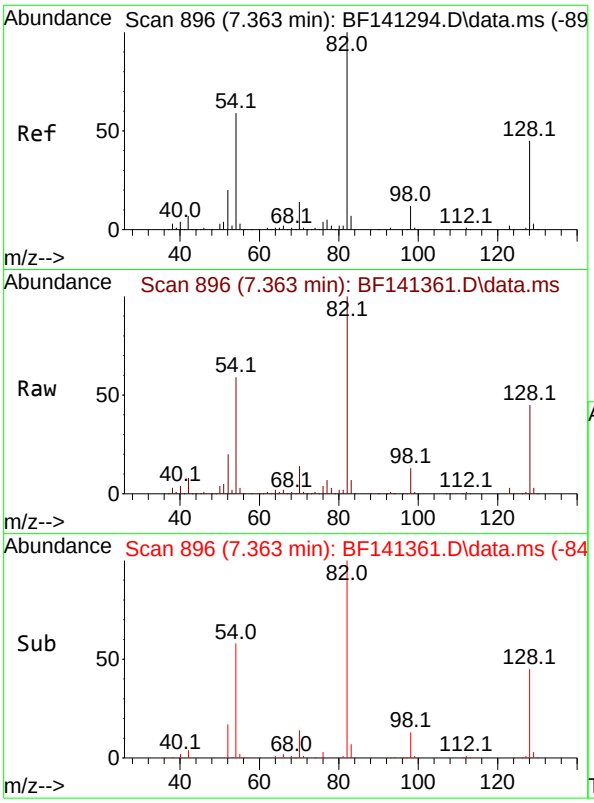


#22
Acetophenone
Concen: 42.153 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:105 Resp: 363495

Ion	Ratio	Lower	Upper
105	100		
71	5.7	6.8	10.2#
51	37.8	32.6	49.0
120	21.9	17.4	26.0

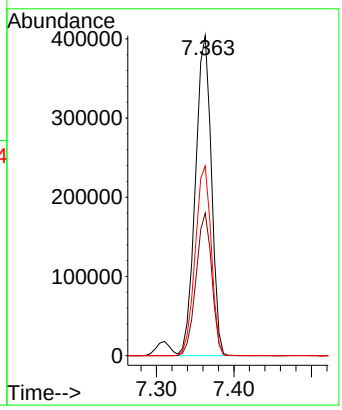




#23
Nitrobenzene-d5
Concen: 83.781 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 82 Resp: 57656

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	59.3	47.1	70.7



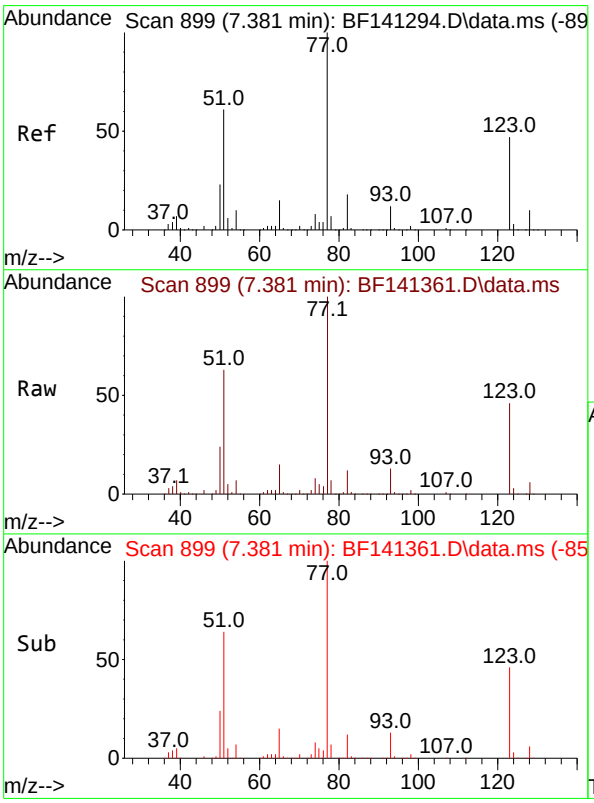
Instrument :
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ClientSampleId :
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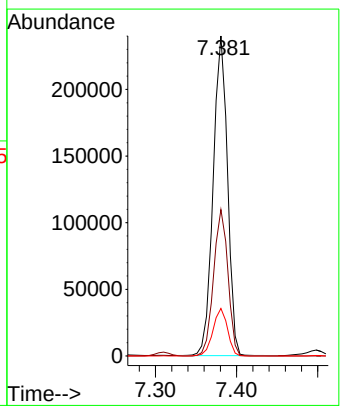
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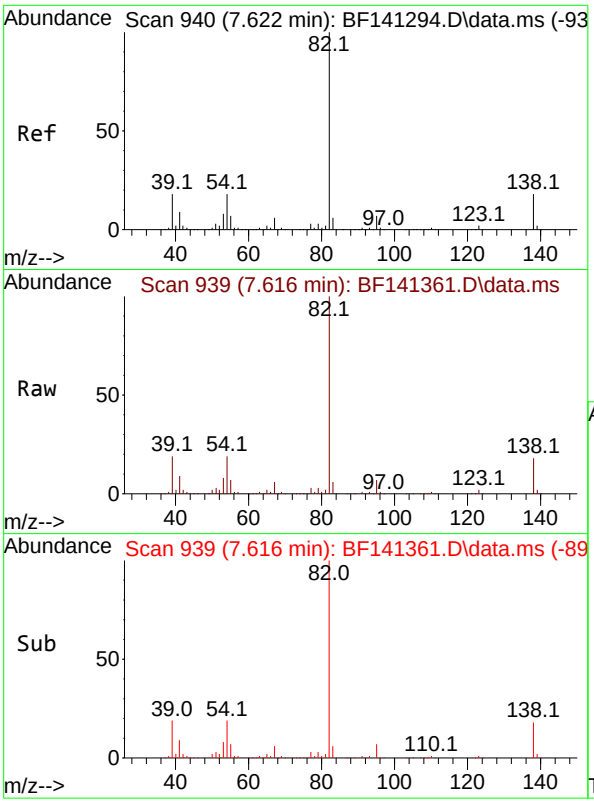


#24
Nitrobenzene
Concen: 41.381 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 77 Resp: 295113

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.3	55.9
65	14.9	11.8	17.6

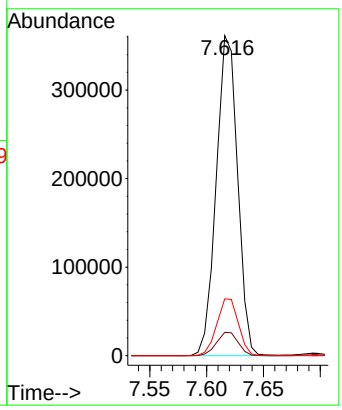




#25
Isophorone
Concen: 39.825 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 82 Resp: 47375

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	17.7	14.7	22.1



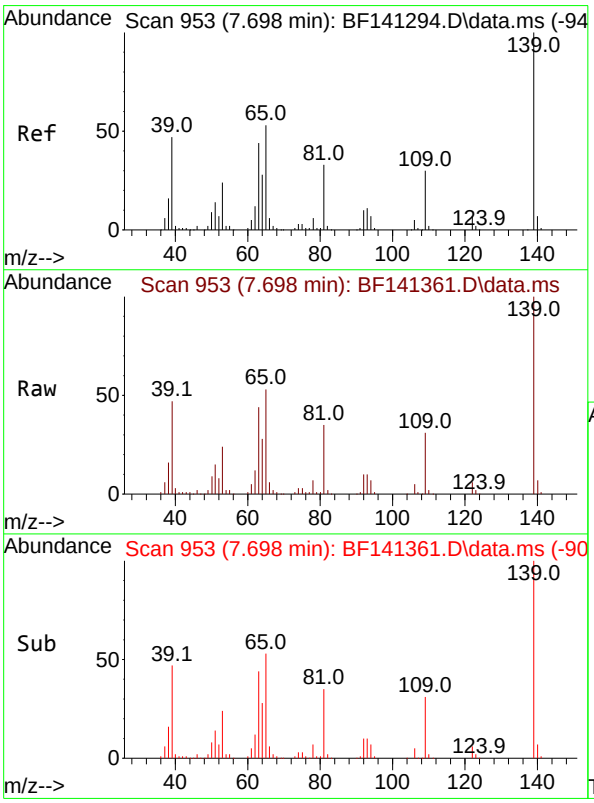
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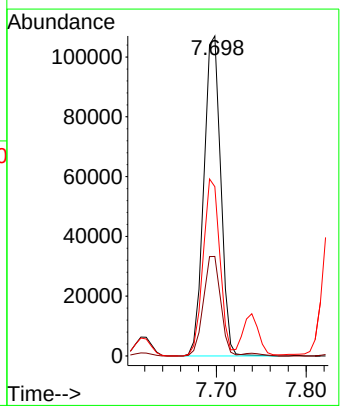
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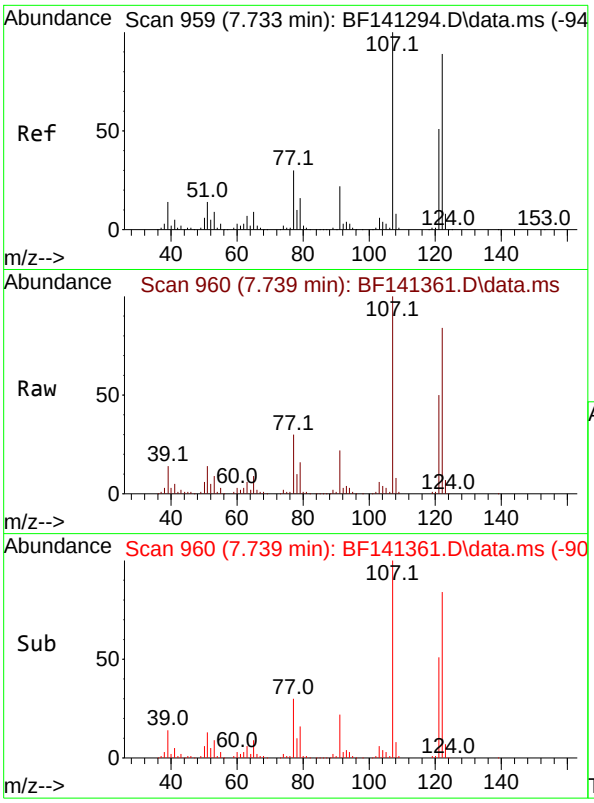


#26
2-Nitrophenol
Concen: 41.467 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:139 Resp: 139470

Ion	Ratio	Lower	Upper
139	100		
109	31.1	23.8	35.6
65	52.9	42.2	63.4

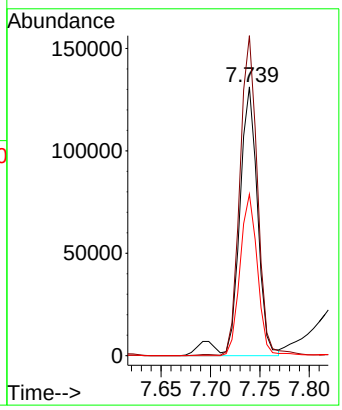




#27
2,4-Dimethylphenol
Concen: 39.629 ng m
RT: 7.739 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:122 Resp: 16965

Ion	Ratio	Lower	Upper
122	100		
107	119.1	89.9	134.9
121	60.1	46.1	69.1



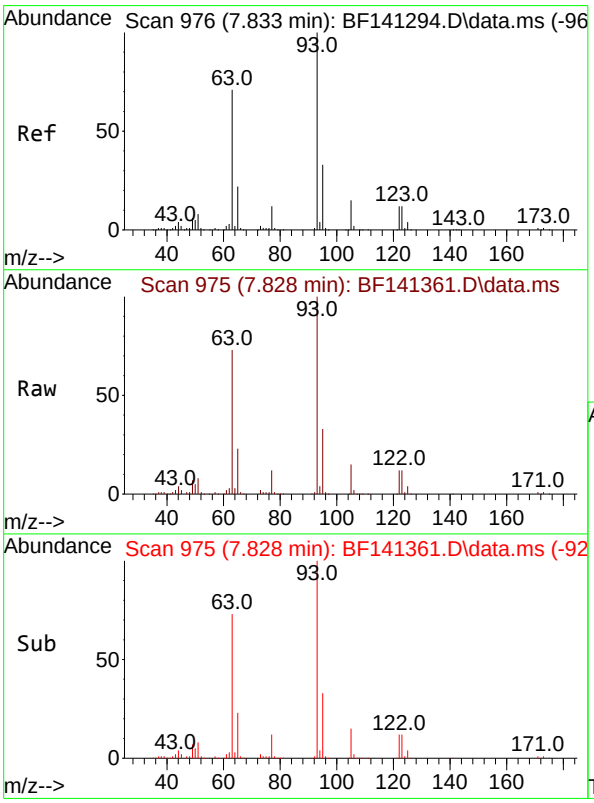
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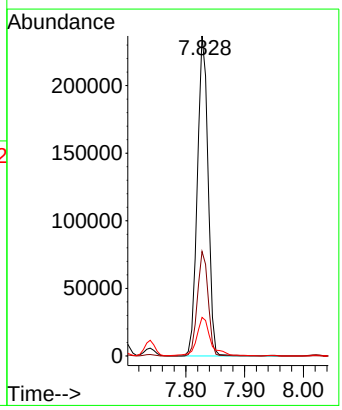
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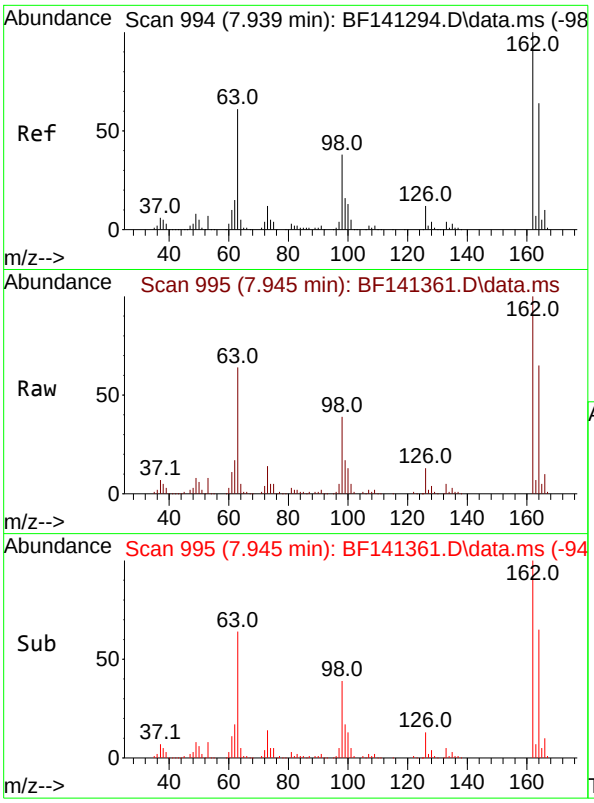


#28
bis(2-Chloroethoxy)methane
Concen: 39.540 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 93 Resp: 300026

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.1	10.2	15.4

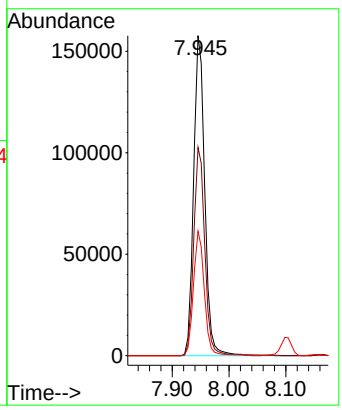




#29
2,4-Dichlorophenol
Concen: 41.114 ng
RT: 7.945 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:162 Resp: 21547

Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.2	84.2
98	38.9	18.2	58.2



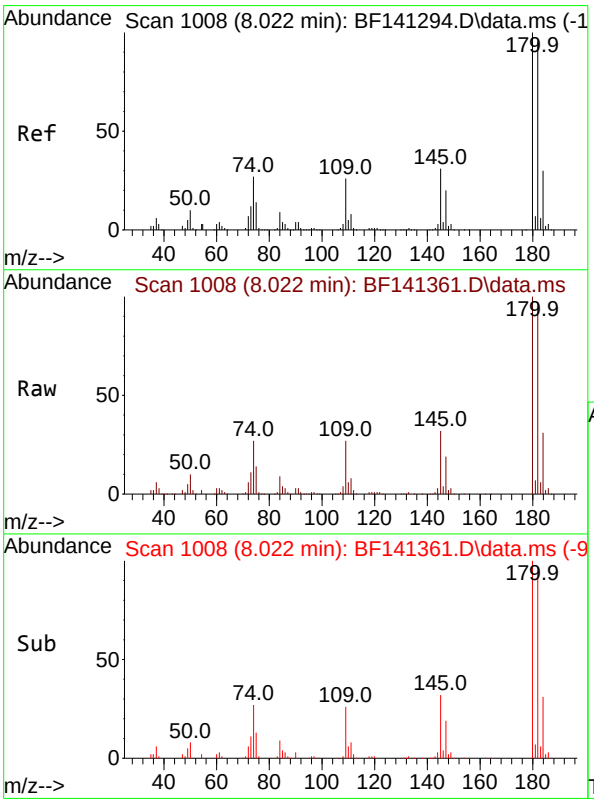
Instrument :
BNA_F
ClientSampleId :
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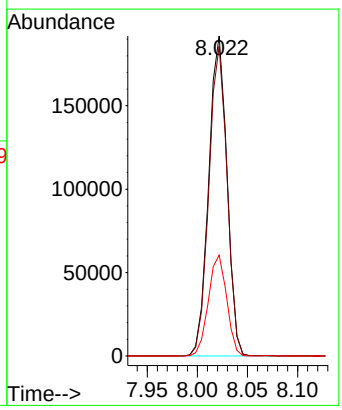
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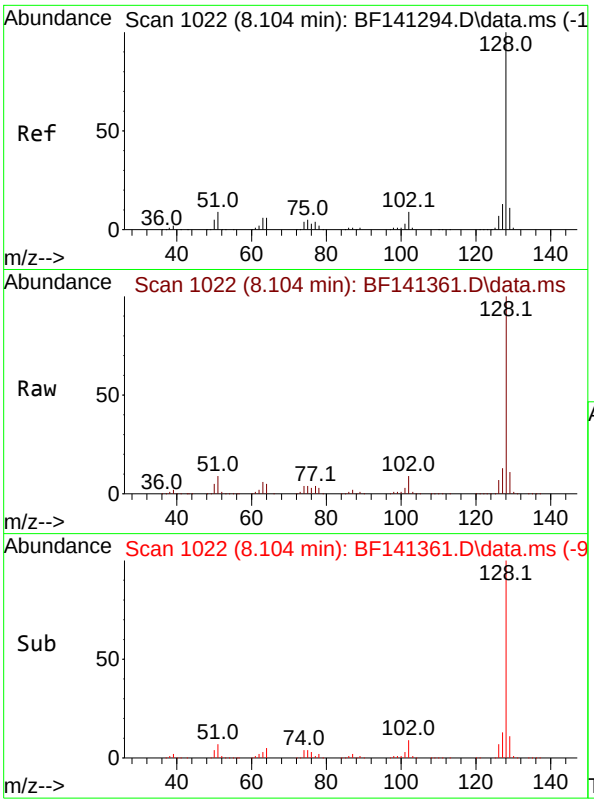


#30
1,2,4-Trichlorobenzene
Concen: 40.654 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:180 Resp: 243325

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.4	114.6
145	31.5	24.9	37.3





#31
Naphthalene
Concen: 40.850 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

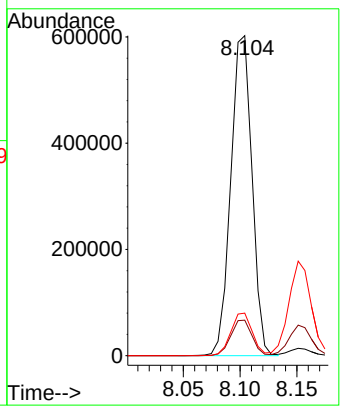
Tgt Ion:128 Resp: 78288

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

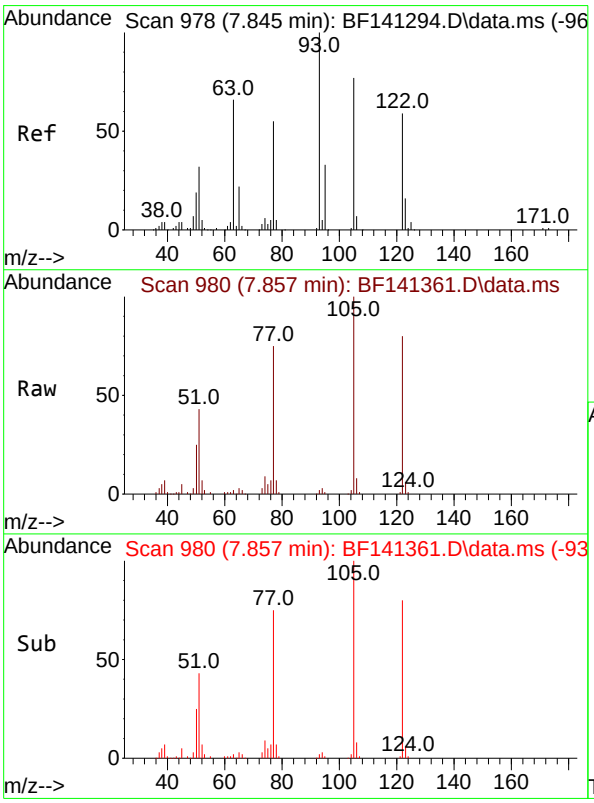
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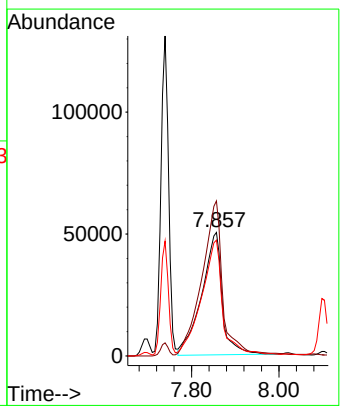
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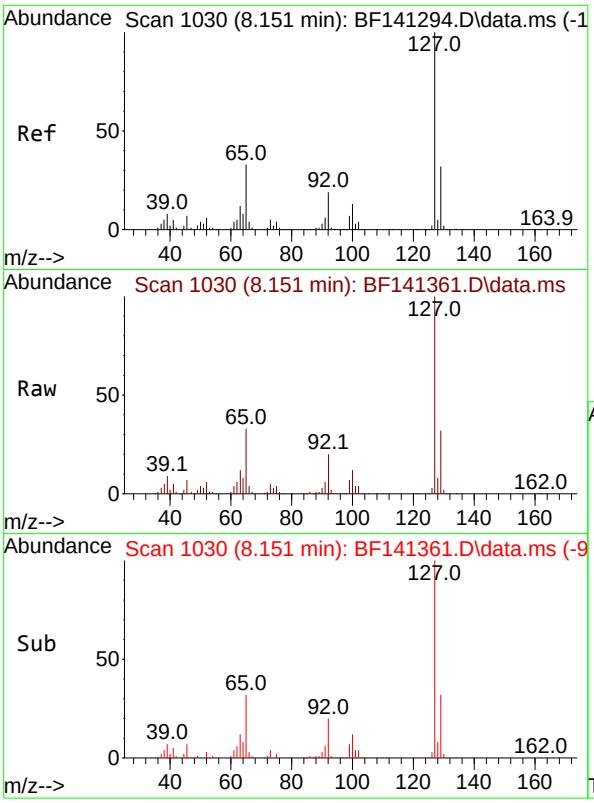


#32
Benzoic acid
Concen: 41.864 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:122 Resp: 164754

Ion	Ratio	Lower	Upper
122	100		
105	125.5	103.4	143.4
77	93.8	70.9	110.9

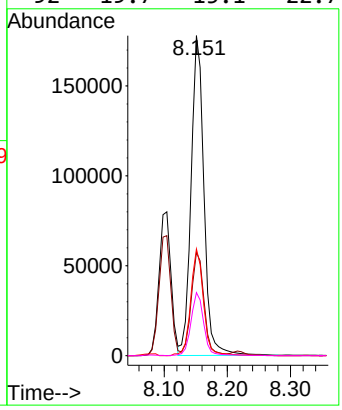




#33
4-Chloroaniline
Concen: 38.830 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:127 Resp: 25235

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	33.4	26.4	39.6
92	19.7	15.1	22.7



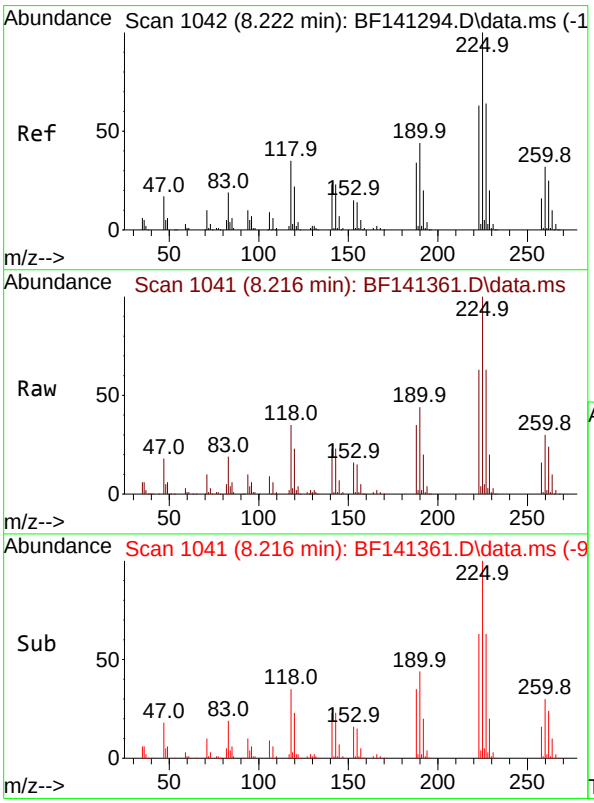
Instrument :
BNA_F
ClientSampleId :
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Supervised By :mohammad ahmed

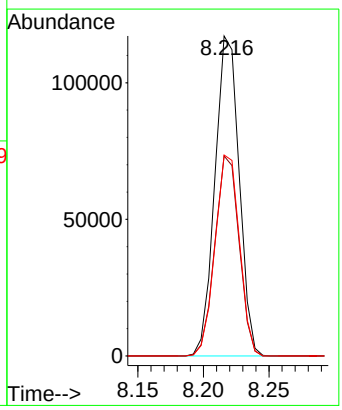
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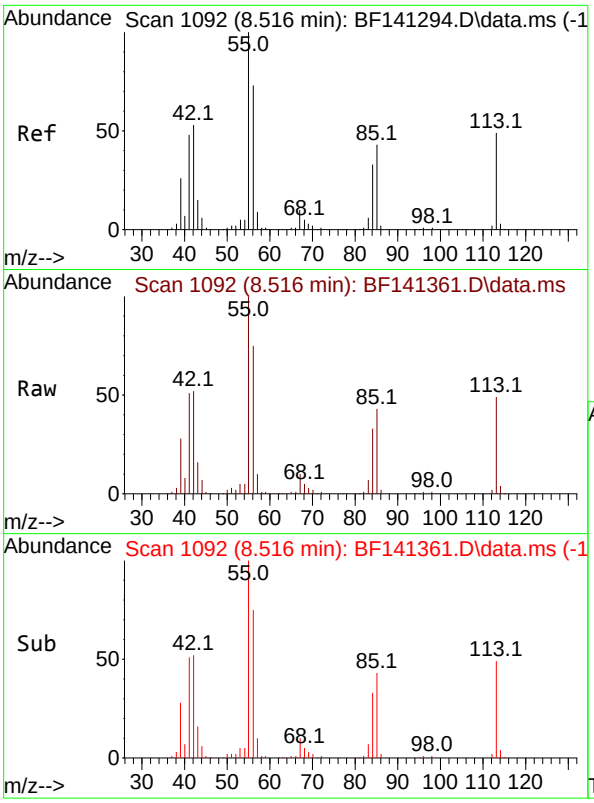


#34
Hexachlorobutadiene
Concen: 42.830 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:225 Resp: 150331

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	62.8	51.3	76.9





#35
Caprolactam
Concen: 40.128 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

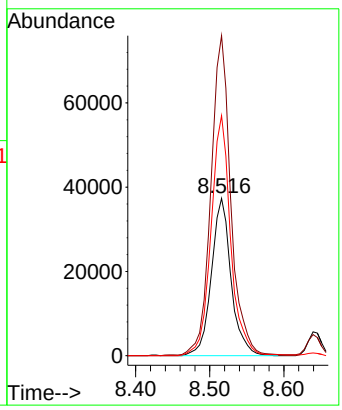
Tgt Ion:113 Resp: 6868

Ion	Ratio	Lower	Upper
113	100		
55	203.4	182.9	222.9
56	152.5	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

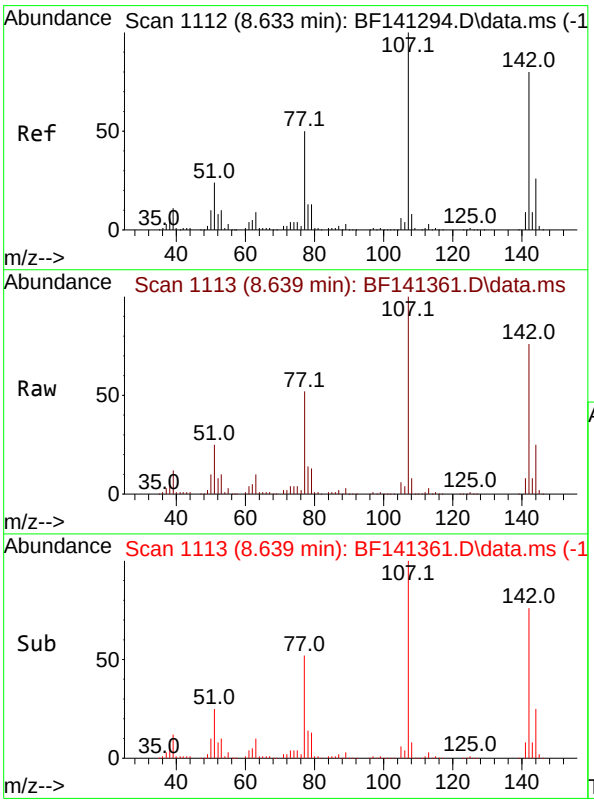
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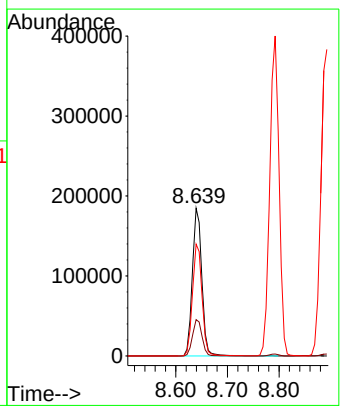
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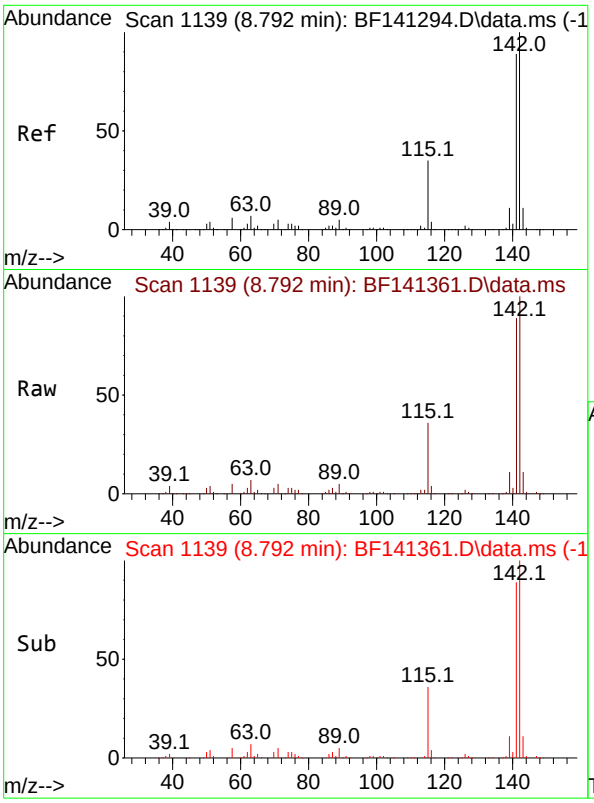


#36
4-Chloro-3-methylphenol
Concen: 41.805 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:107 Resp: 235016

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.7	31.1
142	75.8	63.8	95.8

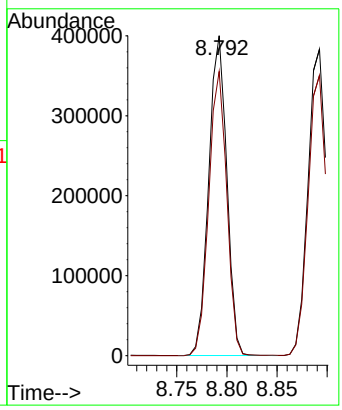




#37
2-Methylnaphthalene
Concen: 41.088 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:142 Resp: 50049

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9



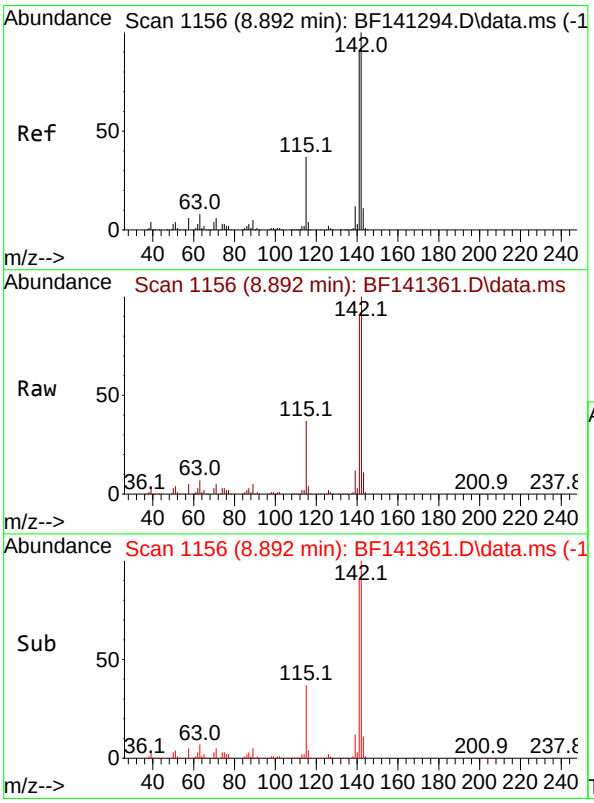
Instrument :
BNA_F
ClientSampleId :
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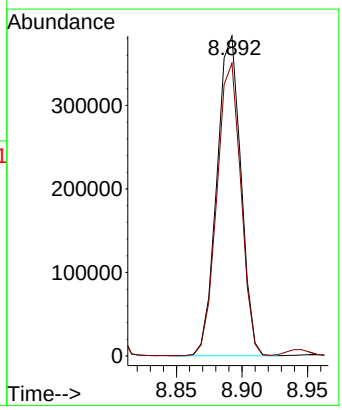
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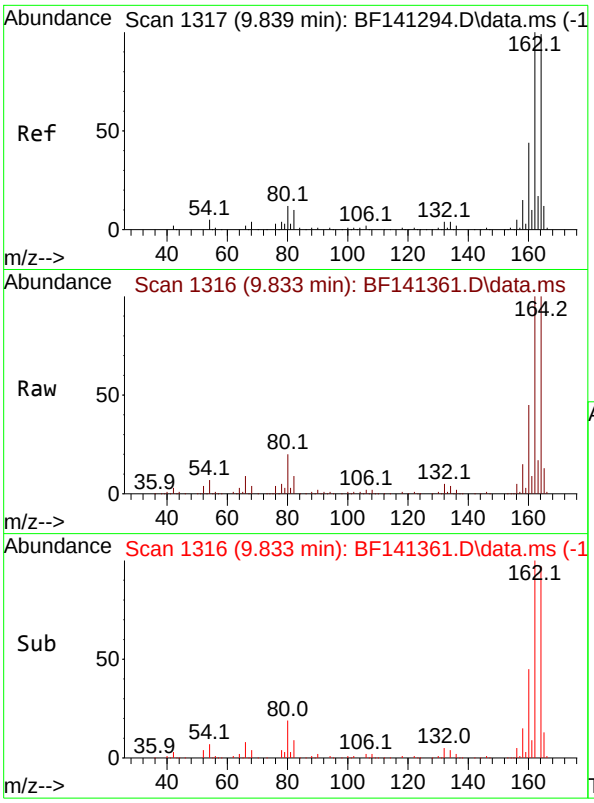


#38
1-Methylnaphthalene
Concen: 40.770 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:142 Resp: 487831

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.2	109.8

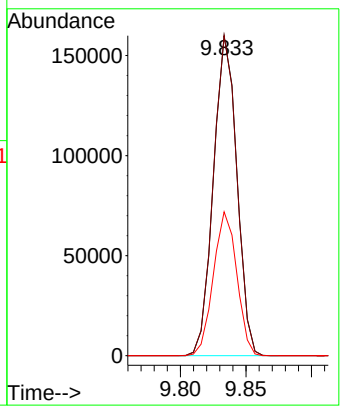




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:164 Resp: 19856

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	45.0	35.8	53.6



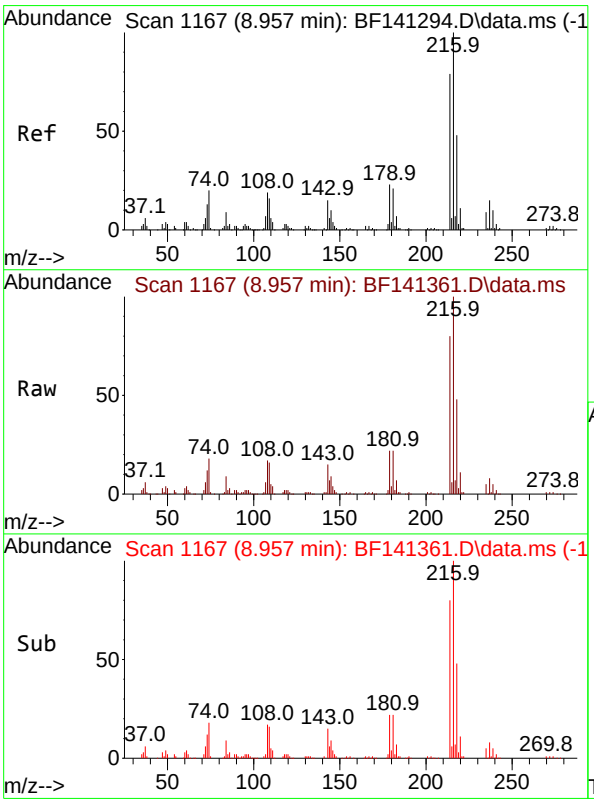
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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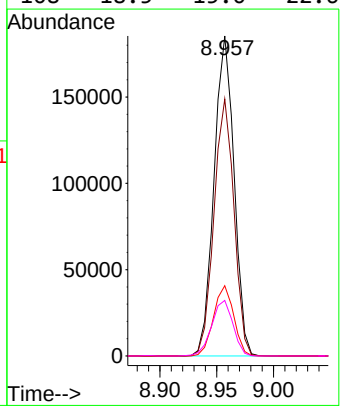
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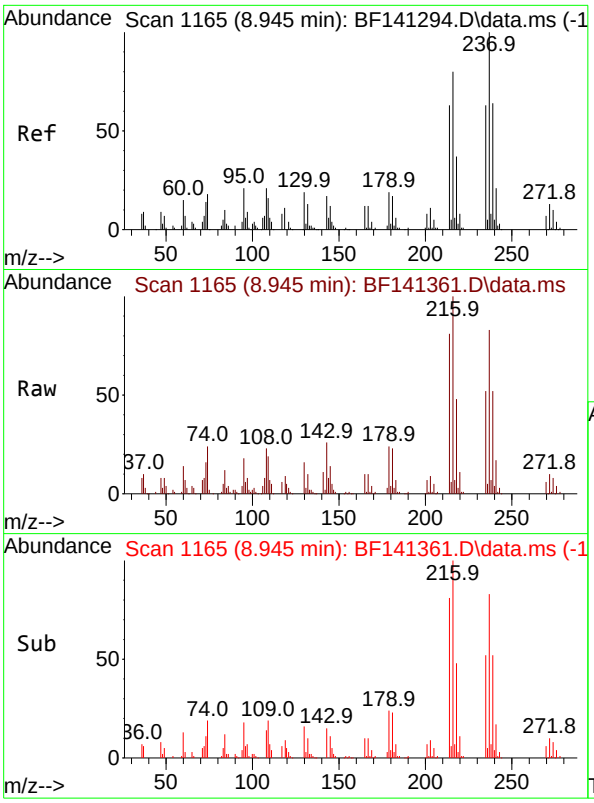


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.237 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:216 Resp: 227300

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.2	94.8
179	22.1	17.8	26.8
108	18.5	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 43.983 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:237 Resp: 7337

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.9	82.9
272	12.6	0.0	32.8

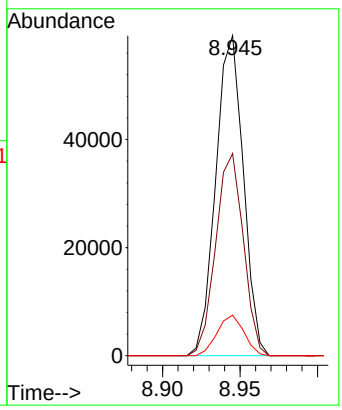
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BNA_F
ClientSampleId :
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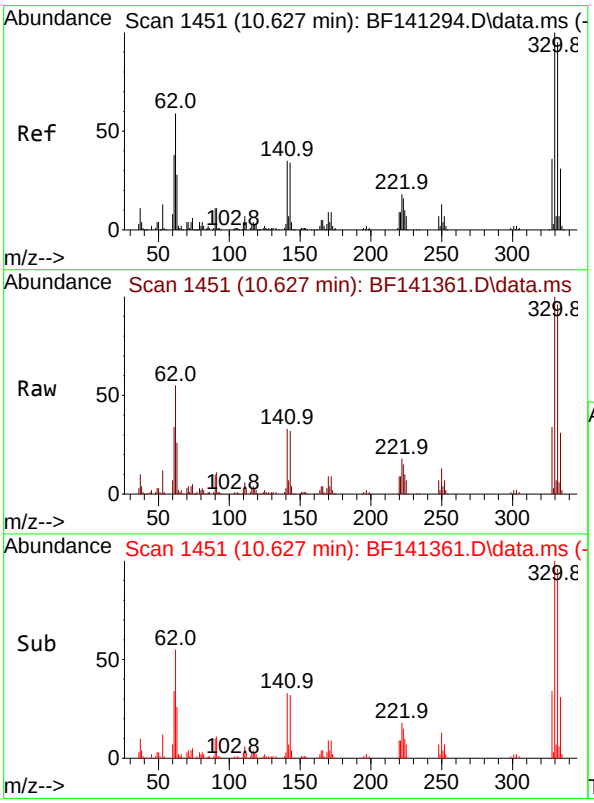
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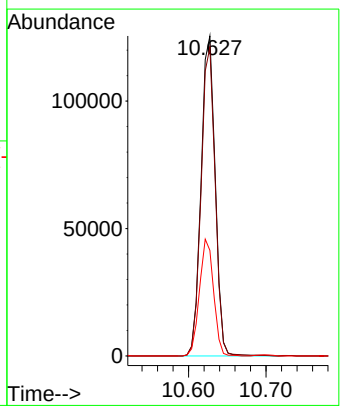


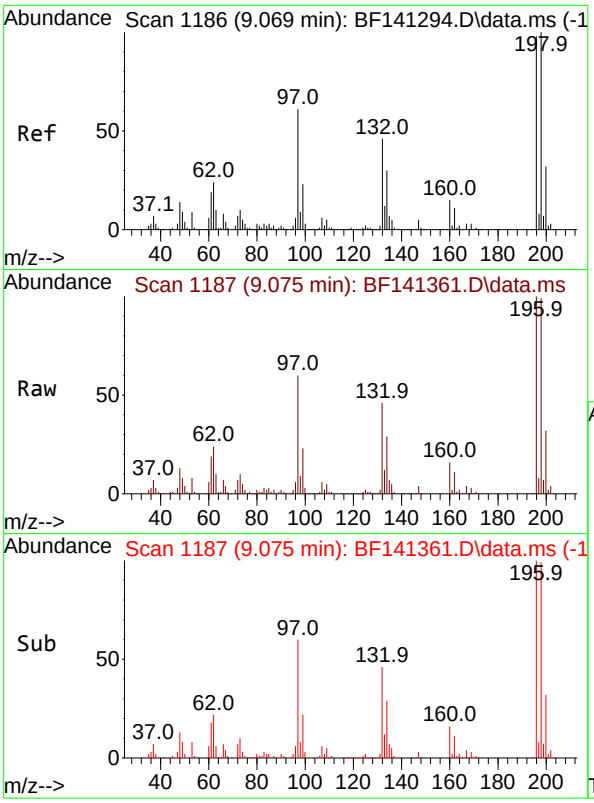


#42
2,4,6-Tribromophenol
Concen: 87.321 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:330 Resp: 158958

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.1	114.1
141	36.5	28.8	43.2

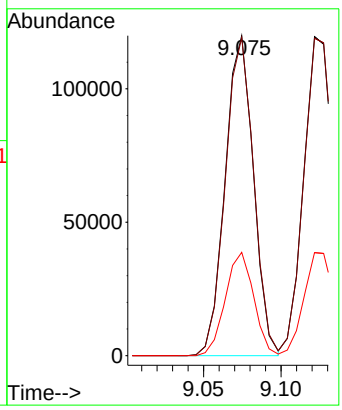




#43
2,4,6-Trichlorophenol
Concen: 41.248 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:196 Resp: 15251

Ion	Ratio	Lower	Upper
196	100		
198	99.4	81.8	122.6
200	32.3	26.3	39.5



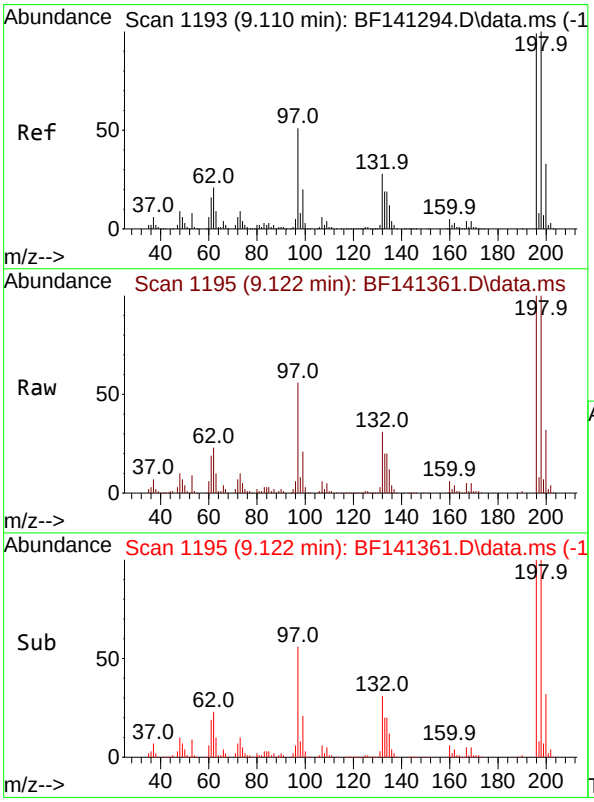
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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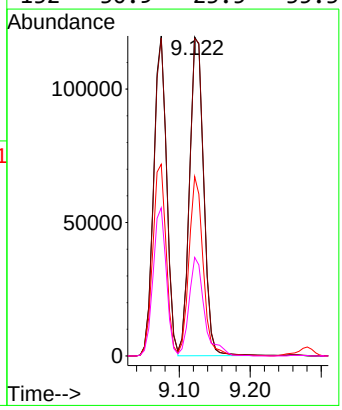
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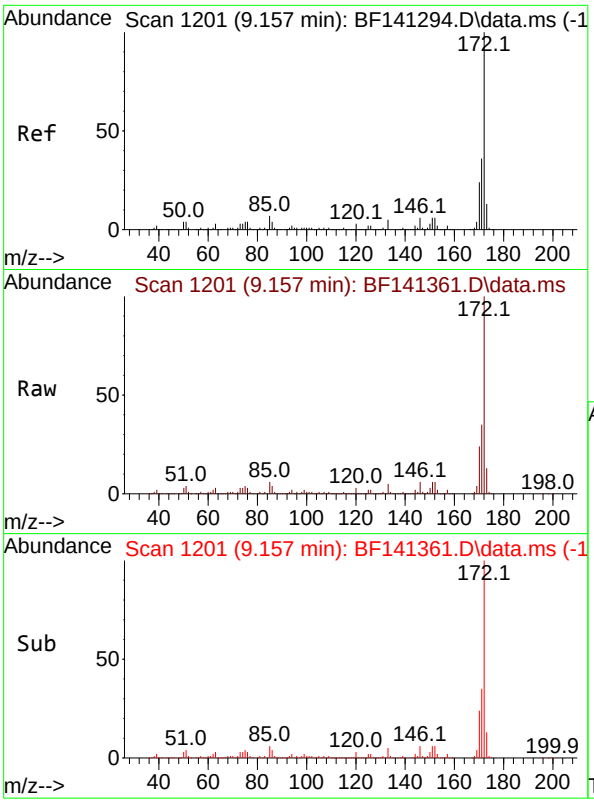


#44
2,4,5-Trichlorophenol
Concen: 41.031 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:196 Resp: 165119

Ion	Ratio	Lower	Upper
196	100		
198	99.5	80.5	120.7
97	56.2	42.8	64.2
132	30.9	23.5	35.3

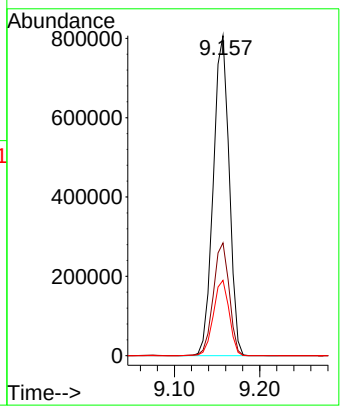




#45
2-Fluorobiphenyl
Concen: 80.940 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:172 Resp: 104417

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.8	43.2
170	23.6	19.0	28.6



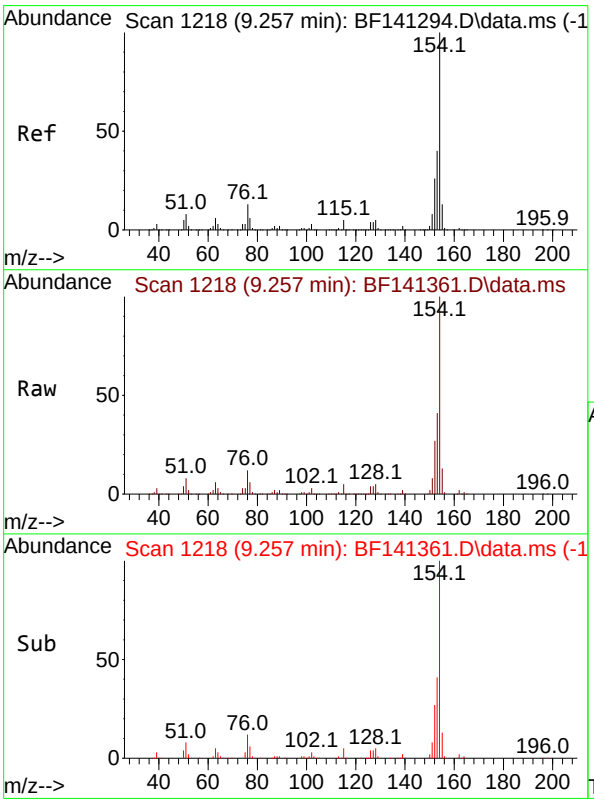
Instrument :
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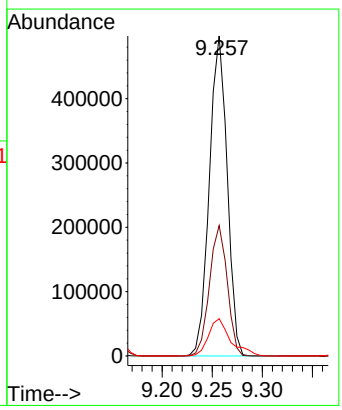
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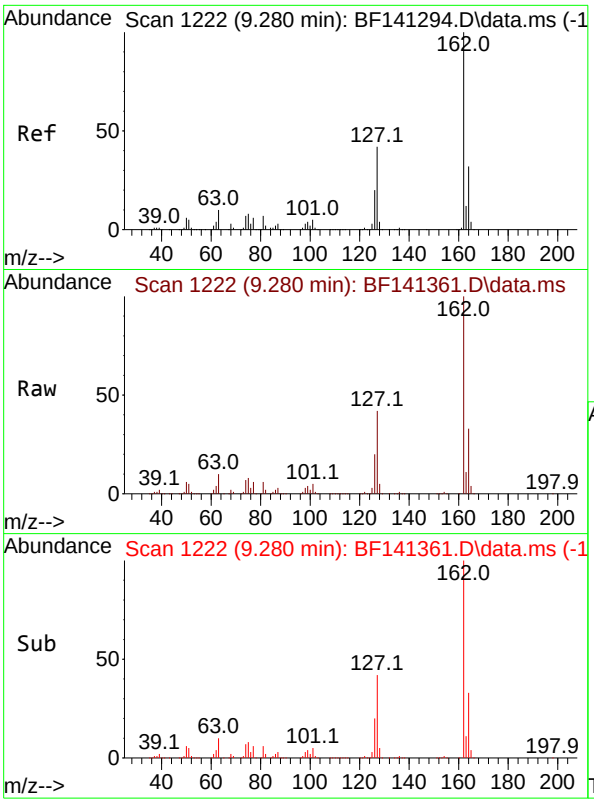


#46
1,1'-Biphenyl
Concen: 39.699 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:154 Resp: 614766

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.0	60.0
76	11.6	0.0	32.8

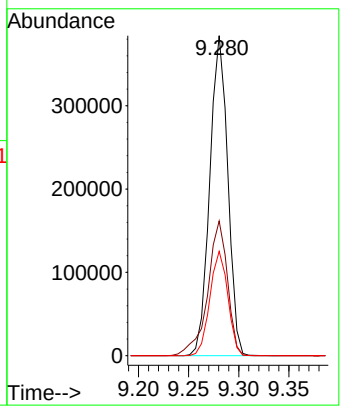




#47
2-Chloronaphthalene
Concen: 39.740 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:162 Resp: 47967

Ion	Ratio	Lower	Upper
162	100		
127	42.1	33.7	50.5
164	32.6	25.9	38.9



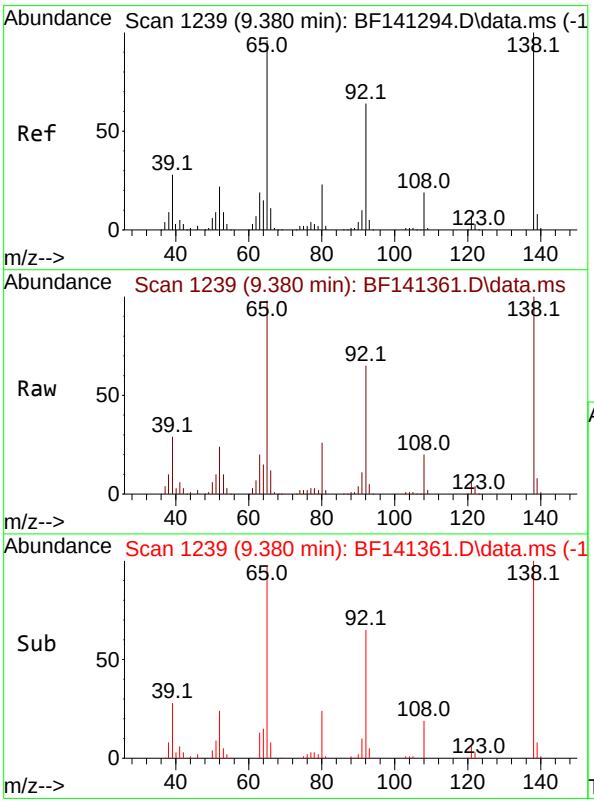
Instrument :
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ClientSampleId :
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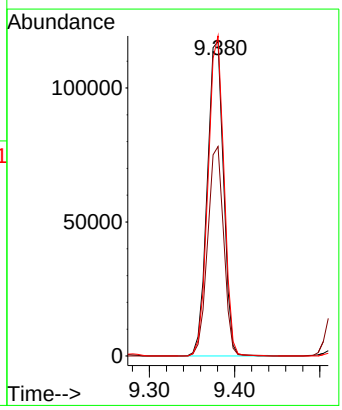
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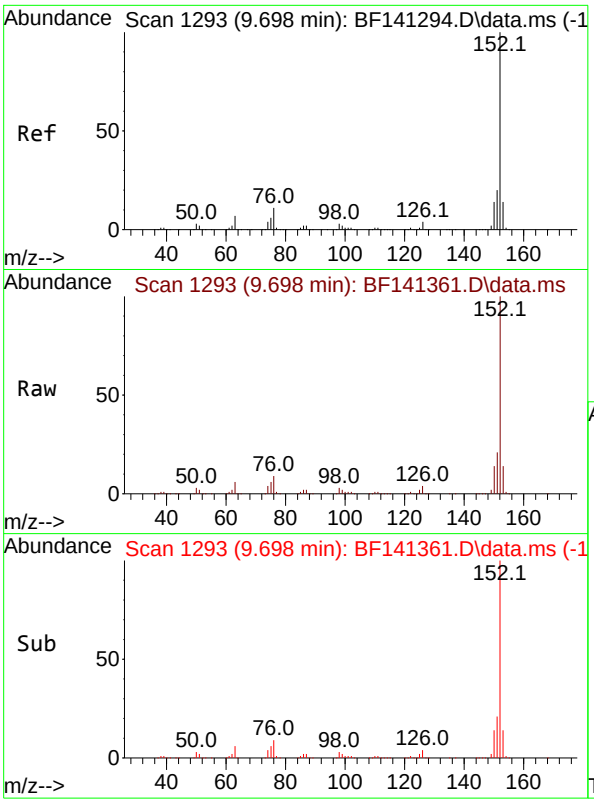


#48
2-Nitroaniline
Concen: 41.055 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 65 Resp: 155868

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	101.8	83.6	125.4

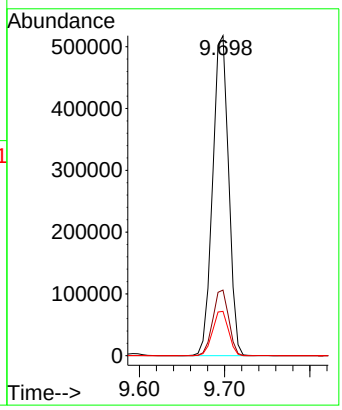




#49
Acenaphthylene
Concen: 39.923 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:152 Resp: 67454

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.9	11.0	16.6



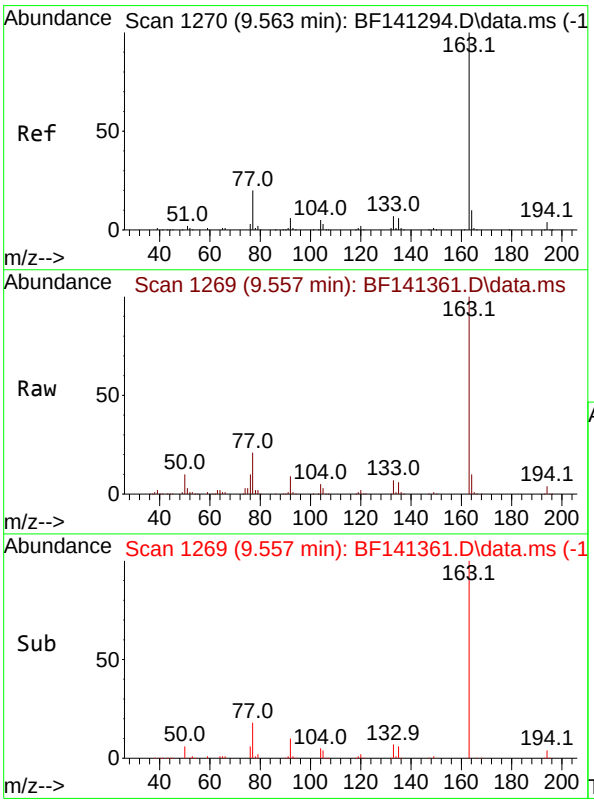
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ClientSampleId :
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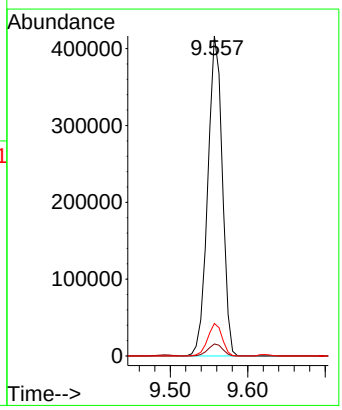
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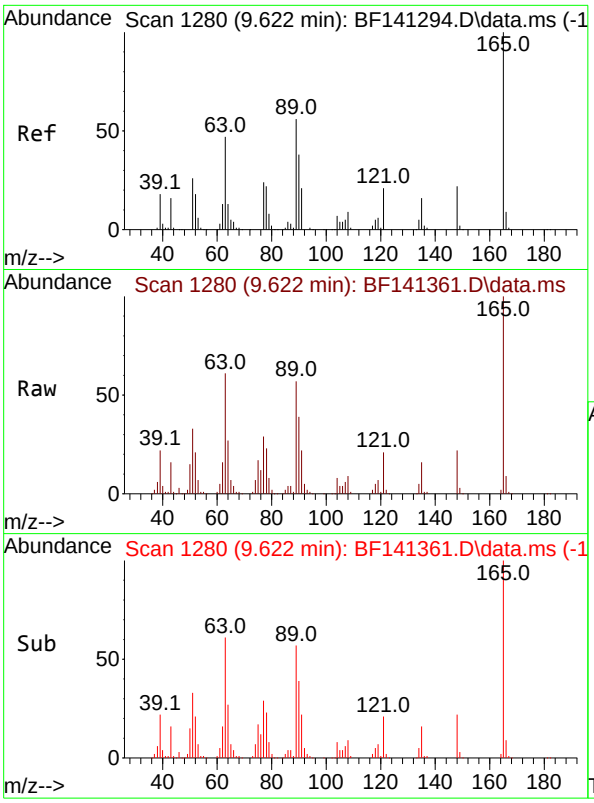


#50
Dimethylphthalate
Concen: 40.523 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:163 Resp: 543455

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 40.149 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

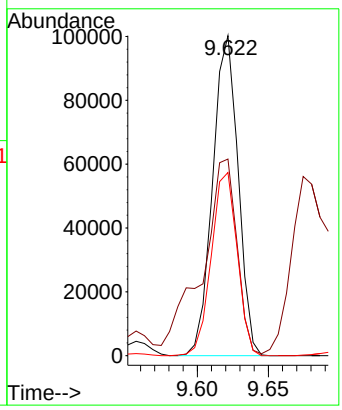
Tgt Ion:165 Resp: 12502

Ion	Ratio	Lower	Upper
165	100		
63	61.5	48.1	72.1
89	57.2	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

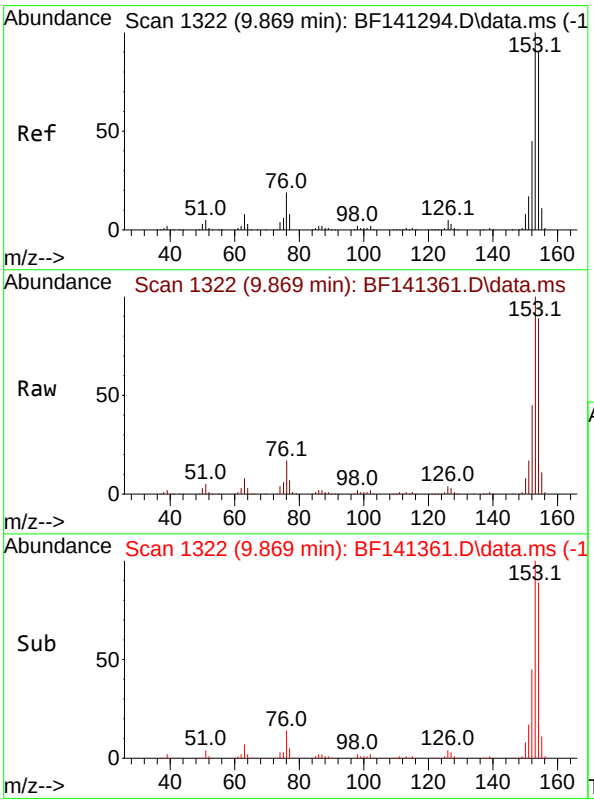
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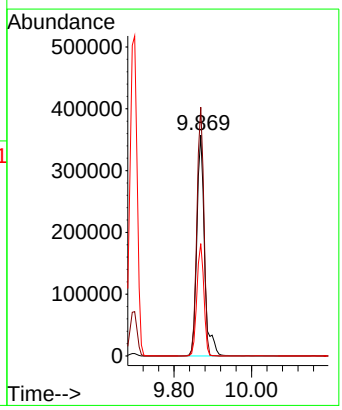
02/06/2025

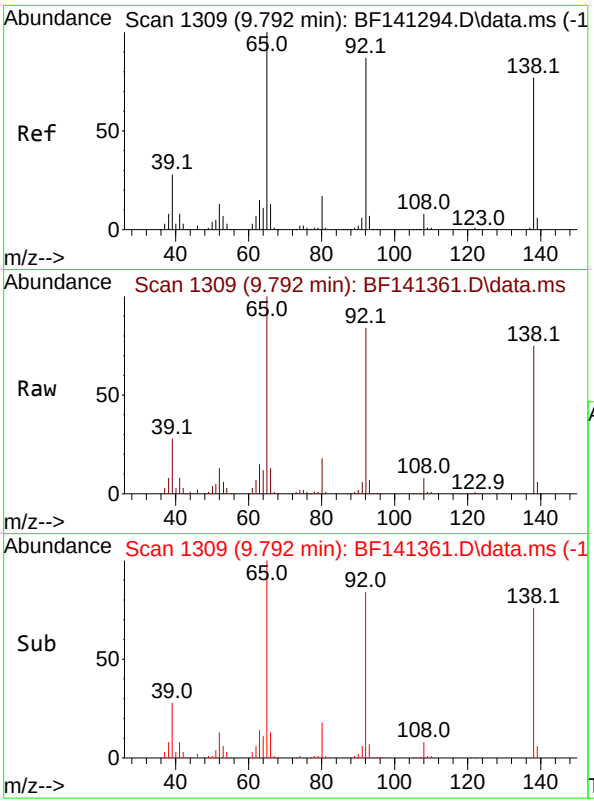


#52
Acenaphthene
Concen: 40.755 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:154 Resp: 491940

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.0	133.4
152	50.9	40.2	60.4





#53
3-Nitroaniline
Concen: 41.859 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

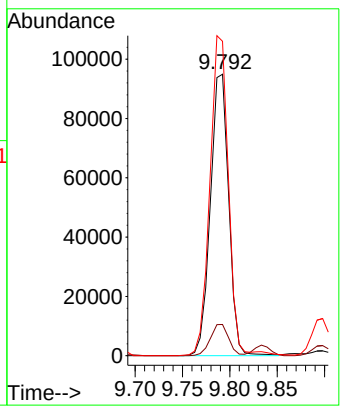
Tgt Ion:138 Resp: 12775

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	111.7	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

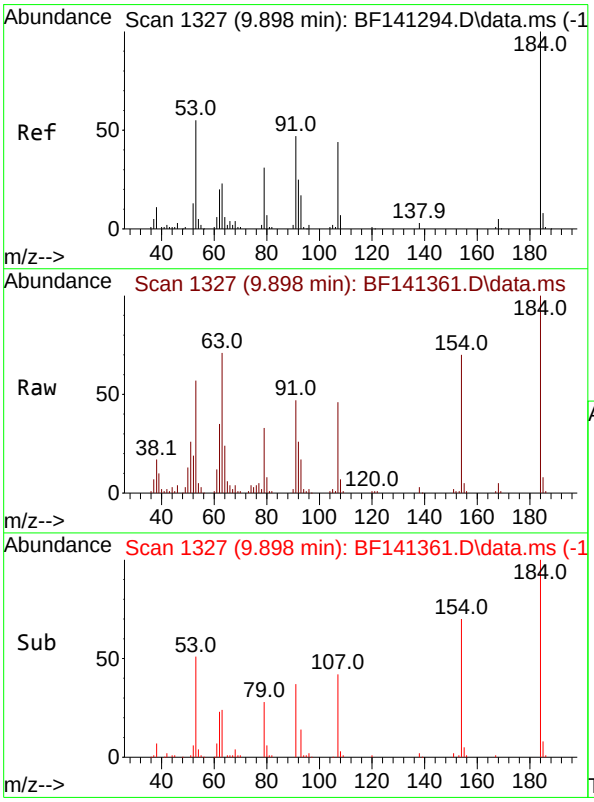
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Supervised By :mohammad ahmed

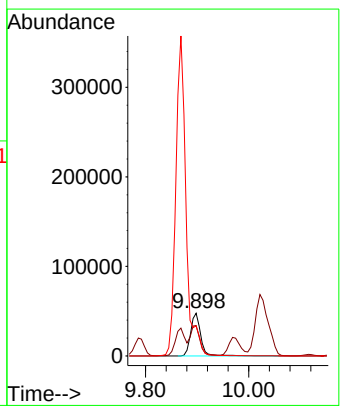
02/06/2025

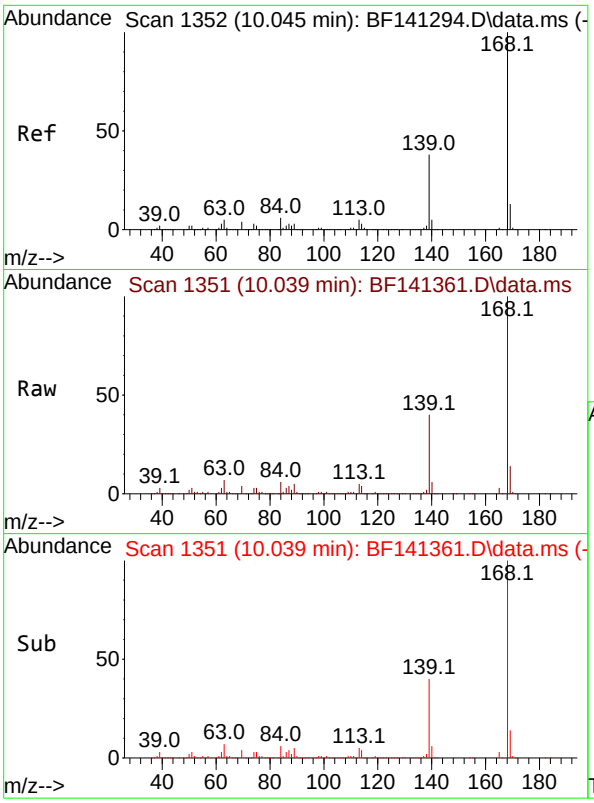


#54
2,4-Dinitrophenol
Concen: 44.625 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:184 Resp: 64595

Ion	Ratio	Lower	Upper
184	100		
63	71.2	54.1	81.1
154	70.4	50.7	76.1

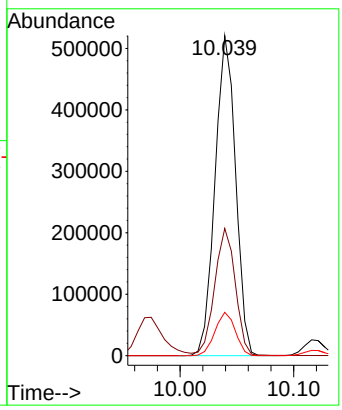




#55
Dibenzofuran
Concen: 40.548 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:168 Resp: 65515

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.6	46.0
169	13.6	10.8	16.2



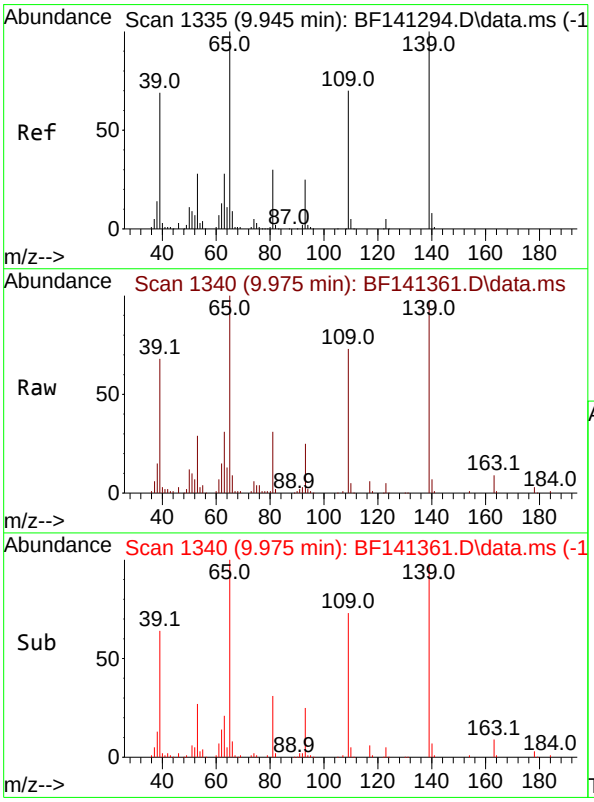
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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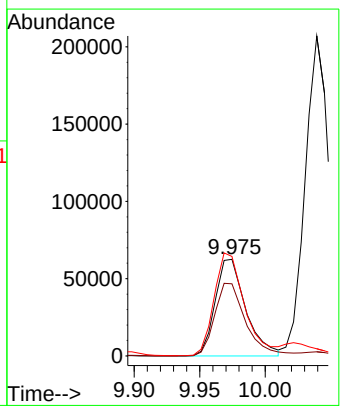
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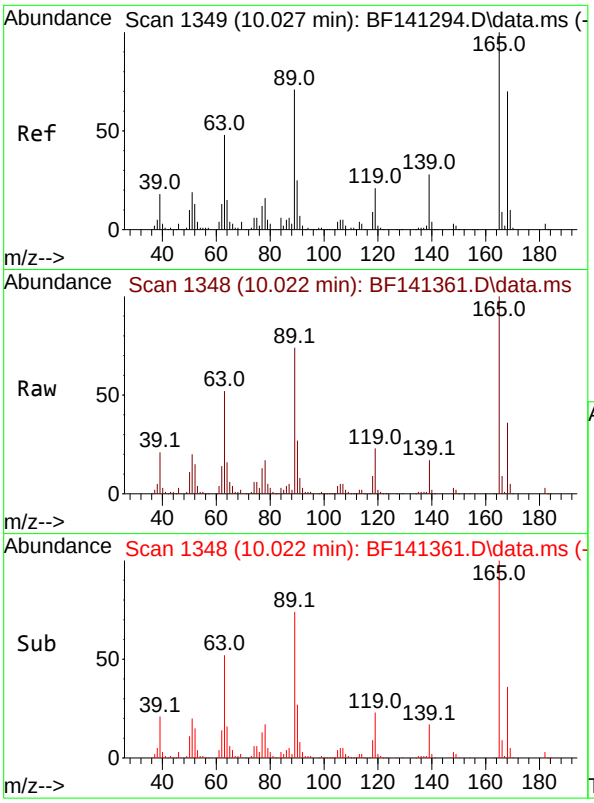


#56
4-Nitrophenol
Concen: 45.471 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:139 Resp: 101492

Ion	Ratio	Lower	Upper
139	100		
109	74.6	50.2	90.2
65	102.9	80.6	120.6

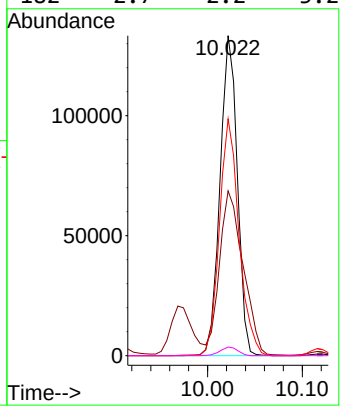




#57
2,4-Dinitrotoluene
Concen: 41.946 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:165 Resp: 16910

Ion	Ratio	Lower	Upper
165	100		
63	51.5	39.2	58.8
89	74.0	56.9	85.3
182	2.7	2.2	3.2



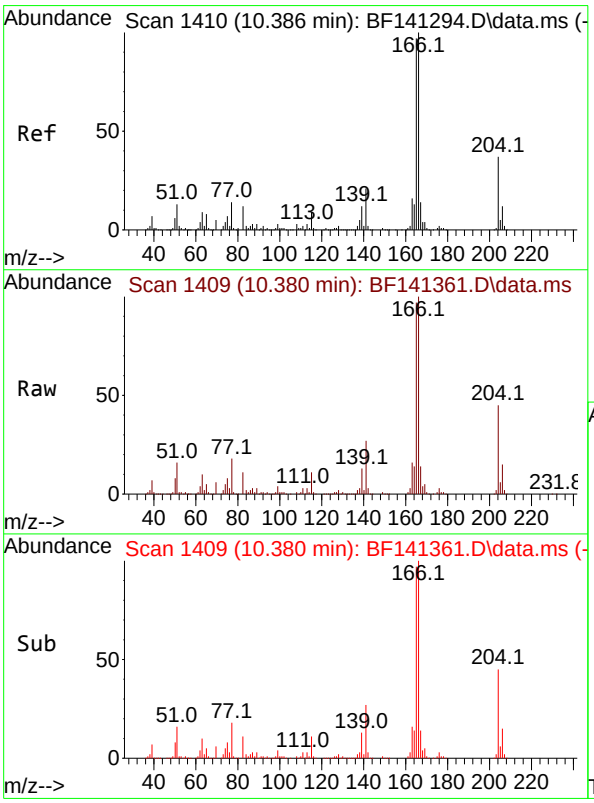
Instrument :
BNA_F
ClientSampleId :
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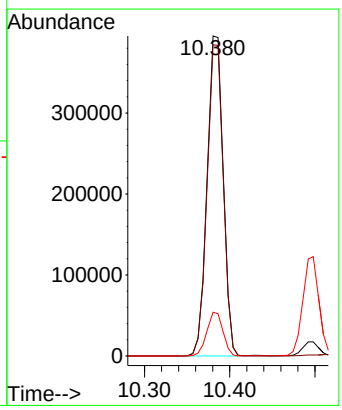
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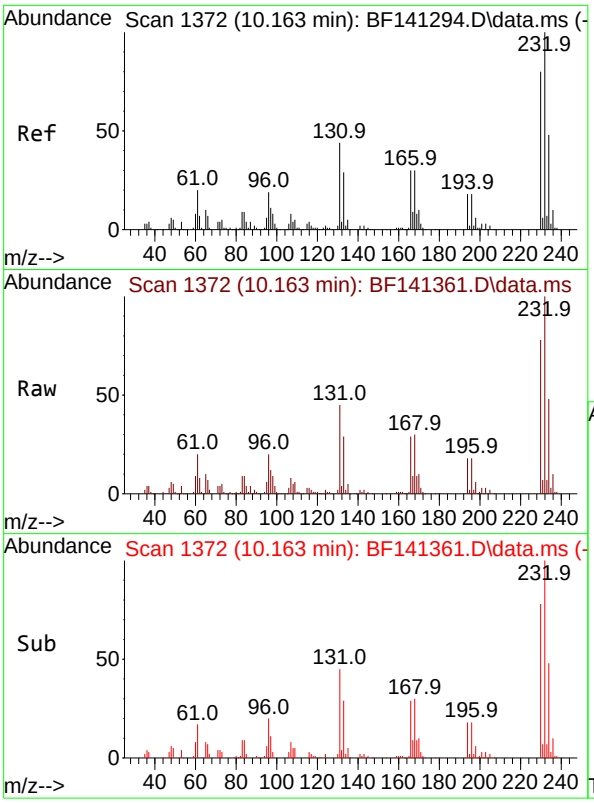


#58
Fluorene
Concen: 41.554 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:166 Resp: 520788

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.5	116.3
167	13.7	10.9	16.3

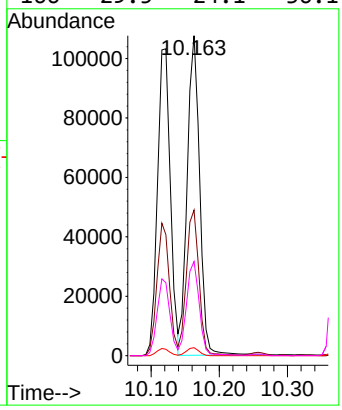




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.892 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:232 Resp: 13579

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.4	54.6
130	2.5	1.9	2.9
166	29.5	24.1	36.1



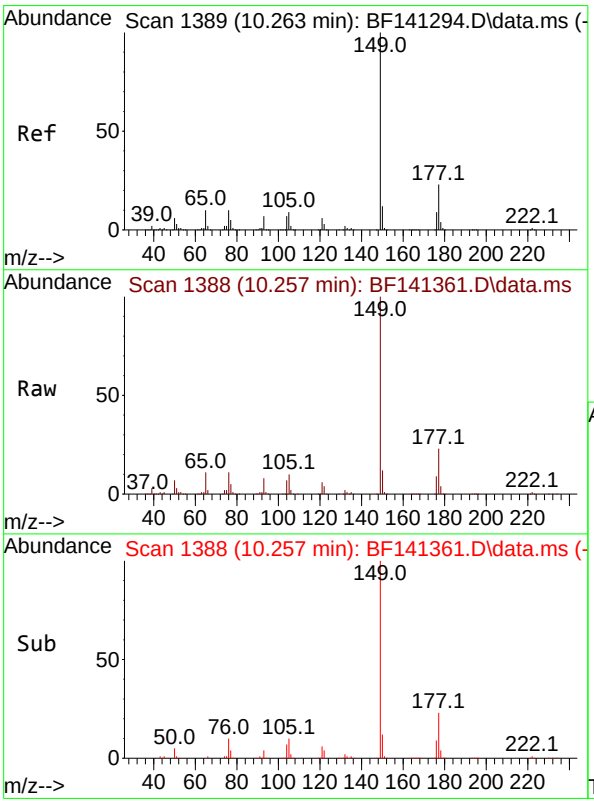
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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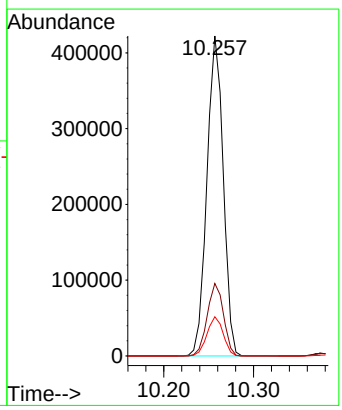
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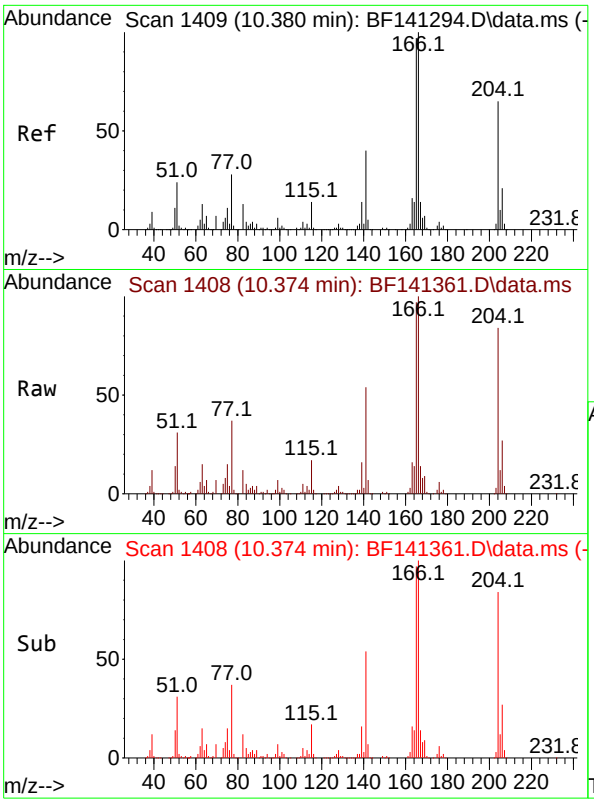


#60
Diethylphthalate
Concen: 41.025 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:149 Resp: 533471

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.5	27.7
150	12.2	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.170 ng
RT: 10.374 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

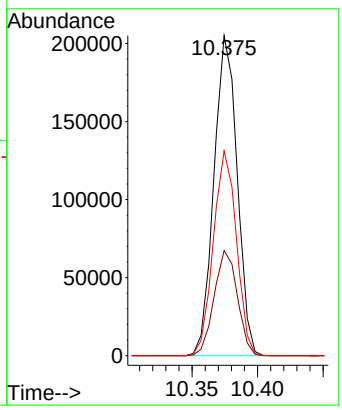
Tgt Ion:204 Resp: 25204

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.9	38.9
141	64.0	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

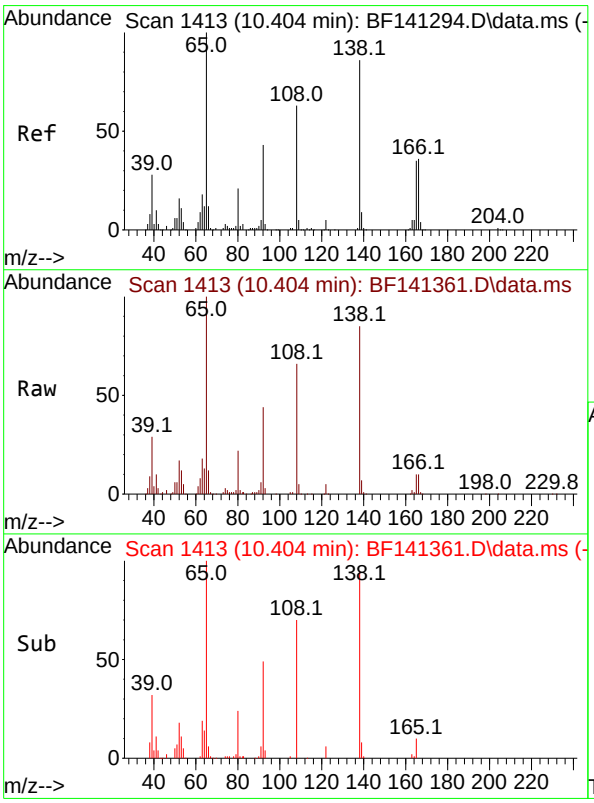
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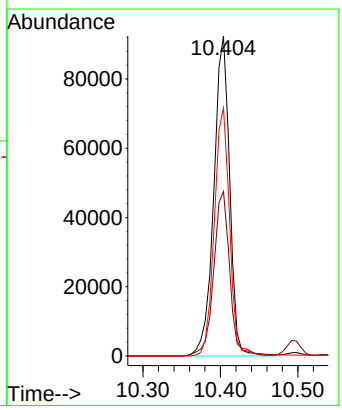
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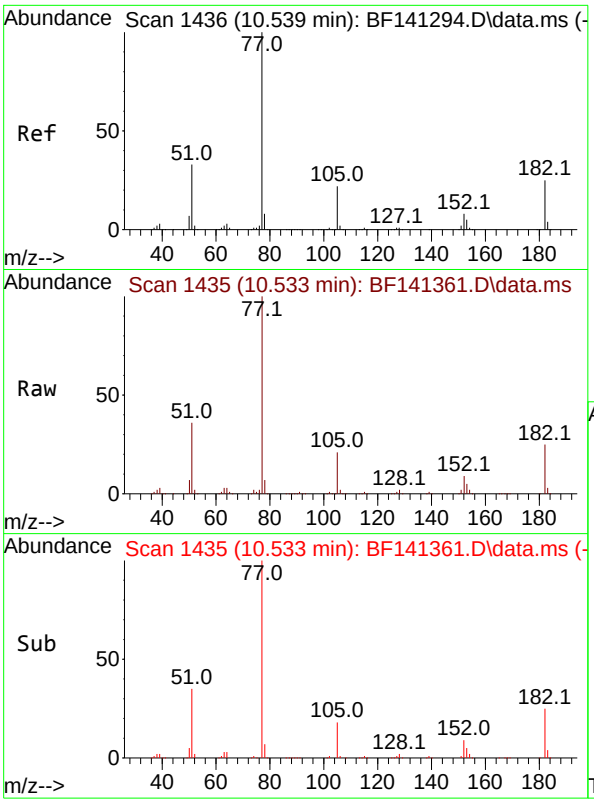


#62
4-Nitroaniline
Concen: 43.865 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:138 Resp: 131617

Ion	Ratio	Lower	Upper
138	100		
92	51.4	30.1	70.1
108	77.5	53.1	93.1

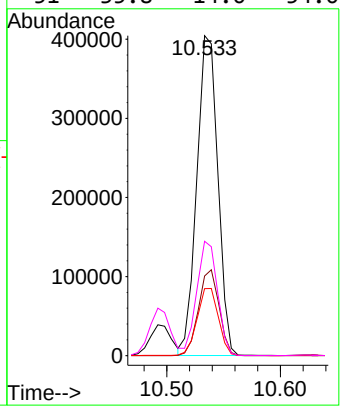




#63
Azobenzene
Concen: 40.048 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion: 77 Resp: 52127

Ion	Ratio	Lower	Upper
77	100		
182	24.9	5.1	45.1
105	20.9	1.8	41.8
51	35.8	14.0	54.0



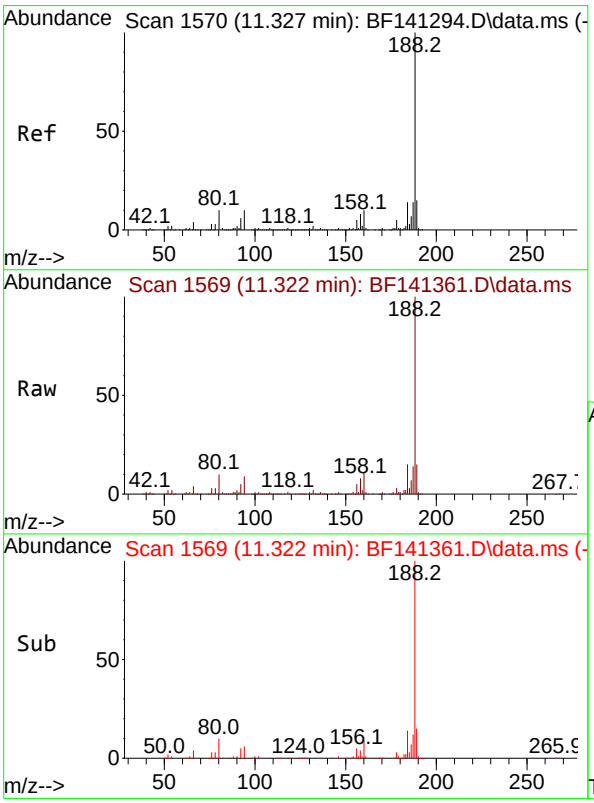
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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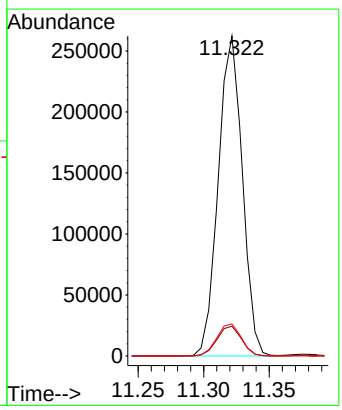
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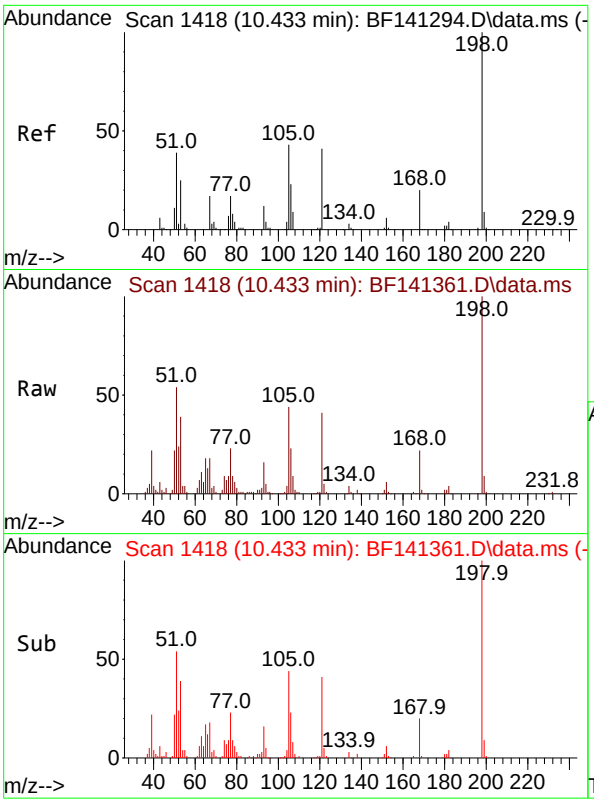


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:188 Resp: 334466

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.8	11.6
80	10.0	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 46.869 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:198 Resp: 9272

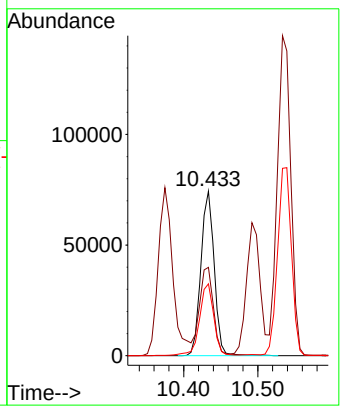
Ion	Ratio	Lower	Upper
198	100		
51	53.7	33.4	73.4
105	43.7	24.4	64.4

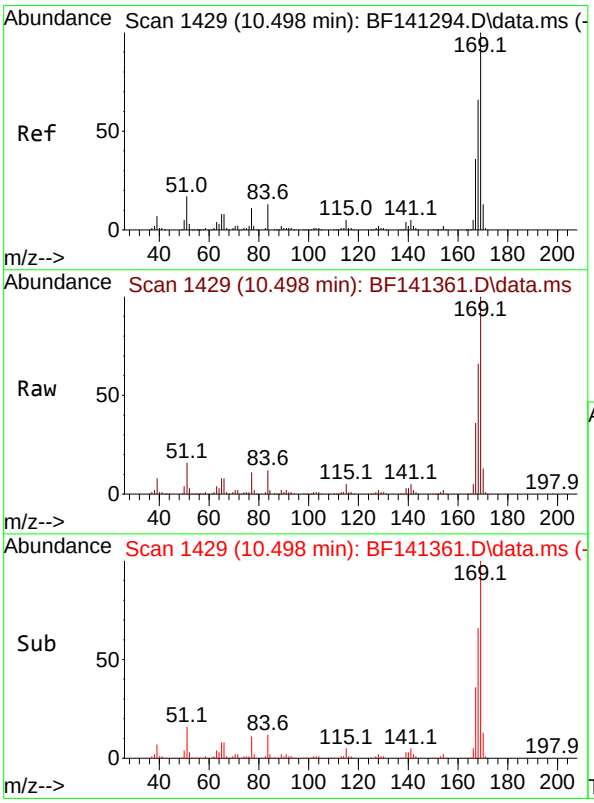
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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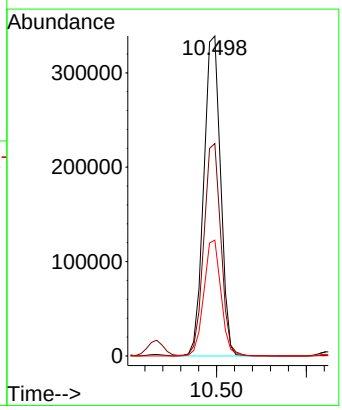


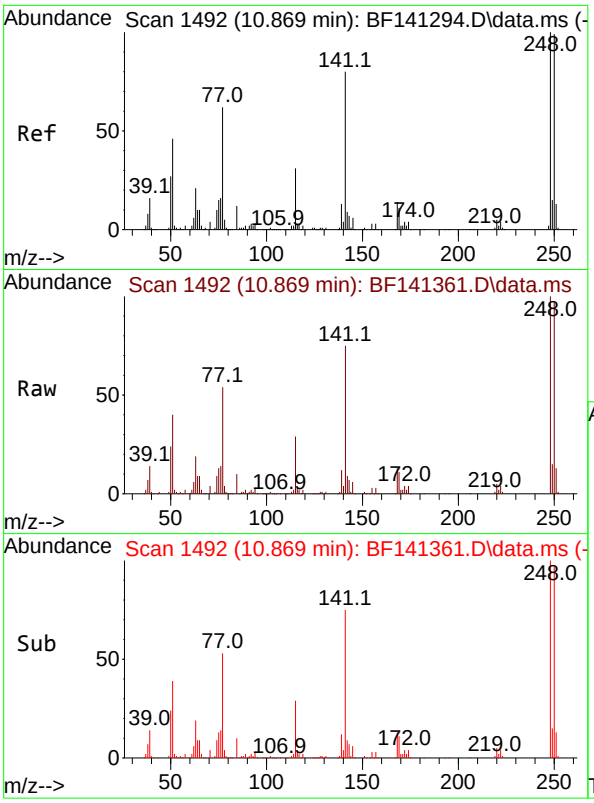
#66
n-Nitrosodiphenylamine
Concen: 40.682 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:169 Resp: 440088

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.4
167	36.2	28.8	43.2

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#67
4-Bromophenyl-phenylether
Concen: 41.715 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

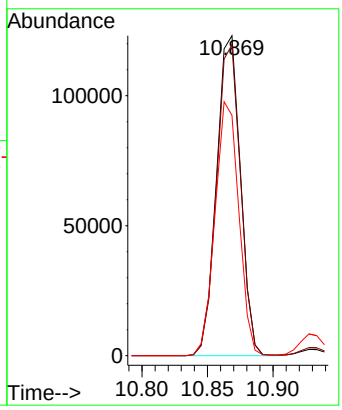
Tgt Ion:248 Resp: 15619

Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.0	118.4
141	75.1	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

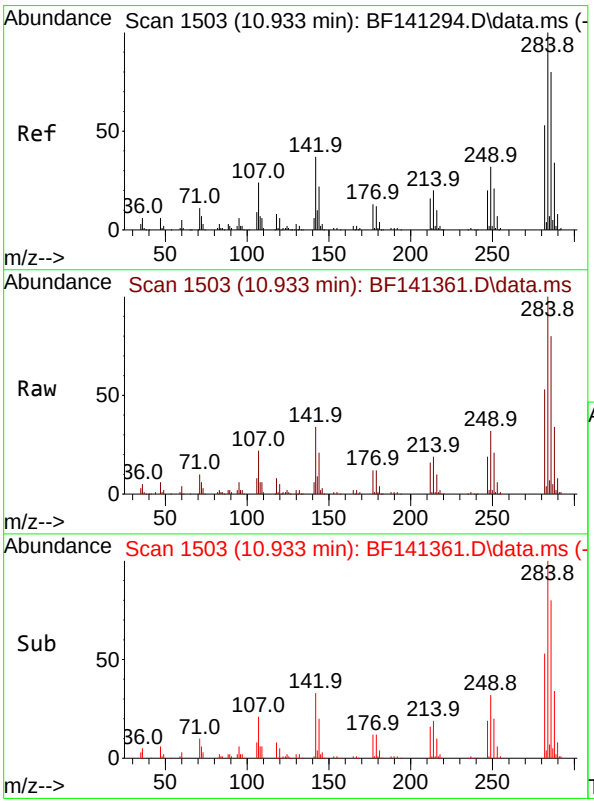
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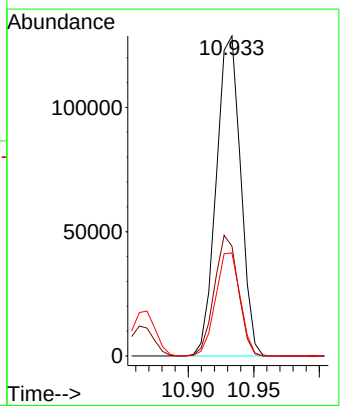
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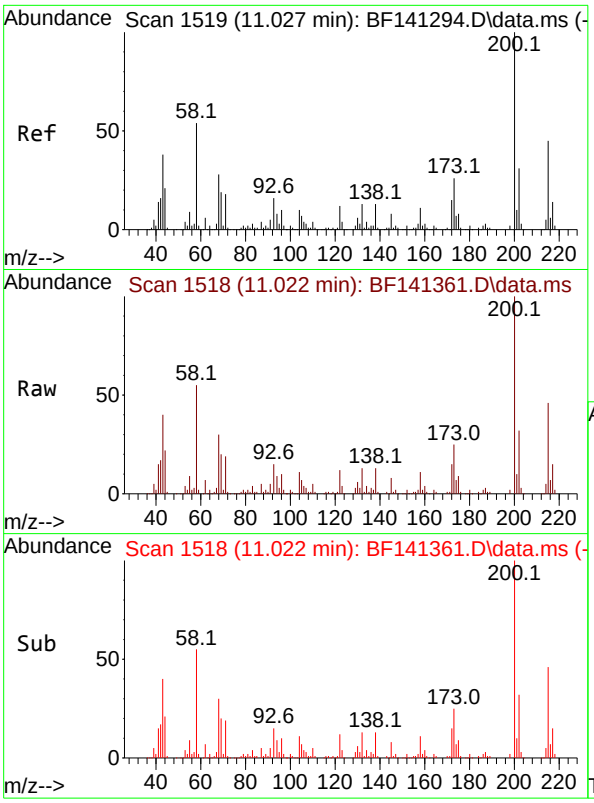


#68
Hexachlorobenzene
Concen: 41.866 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:284 Resp: 166289

Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.5	44.3
249	32.2	25.4	38.2

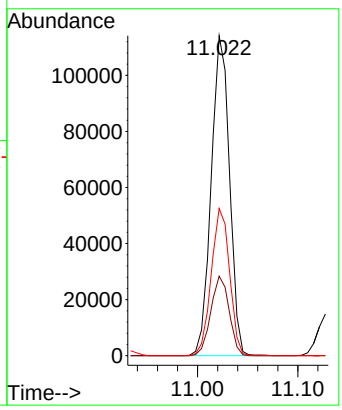




#69
Atrazine
Concen: 39.975 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:200 Resp: 14458

Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.9	45.9
215	46.0	25.2	65.2



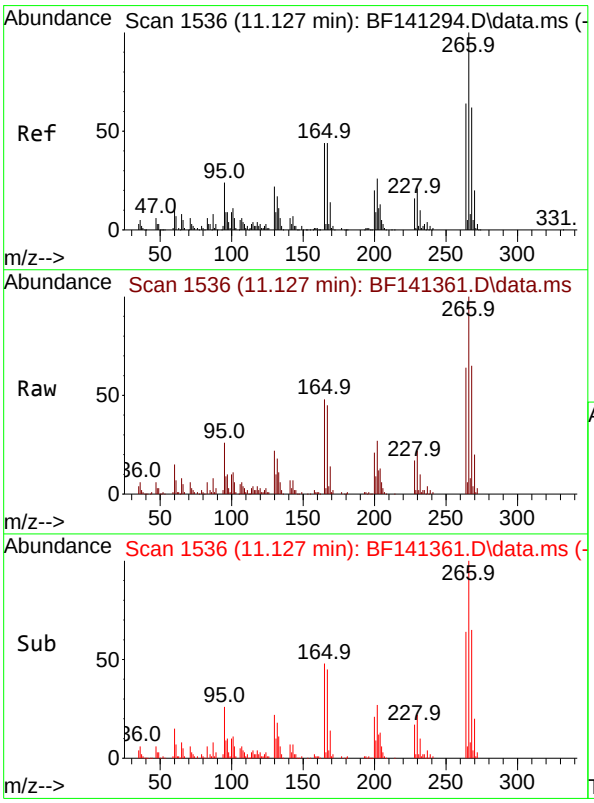
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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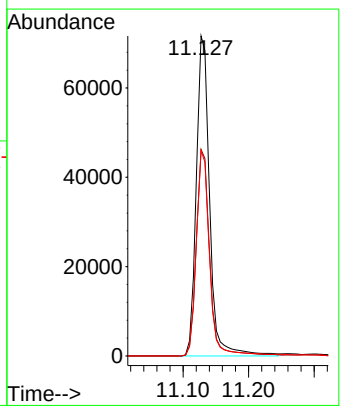
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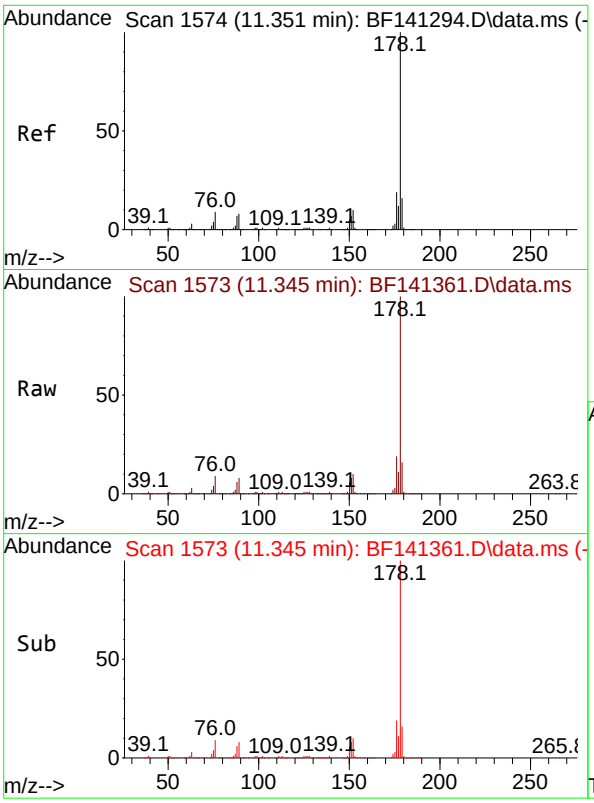


#70
Pentachlorophenol
Concen: 43.745 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:266 Resp: 101747

Ion	Ratio	Lower	Upper
266	100		
268	64.5	49.9	74.9
264	64.2	51.0	76.4

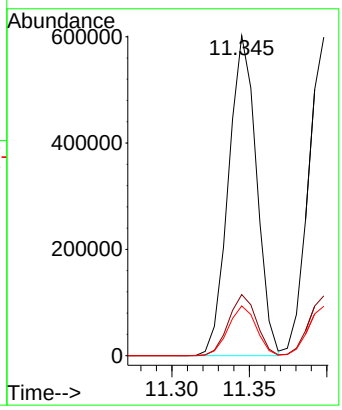




#71
Phenanthrene
Concen: 42.056 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:178 Resp: 75611

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7



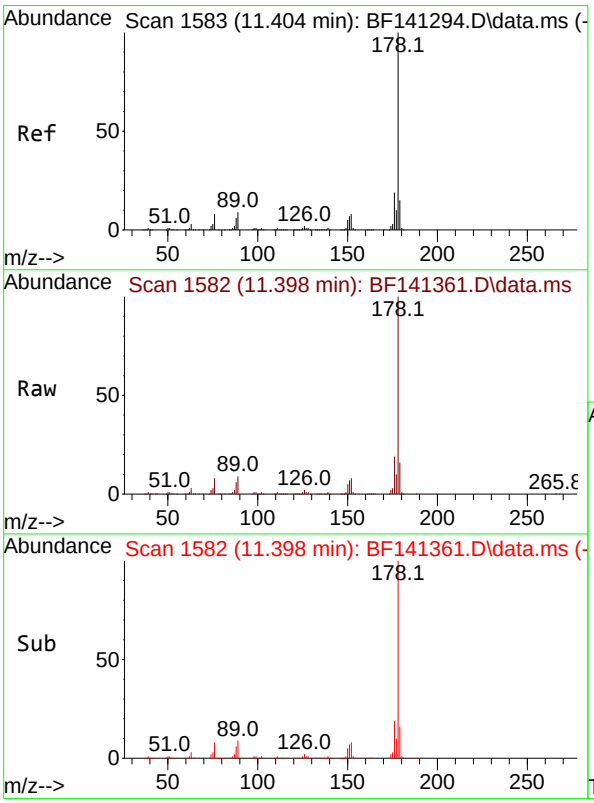
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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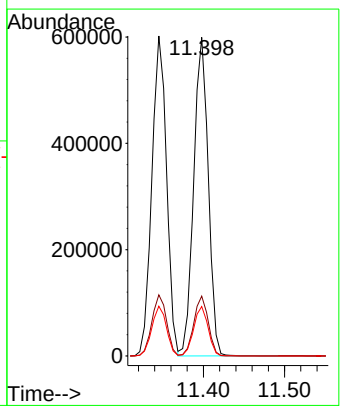
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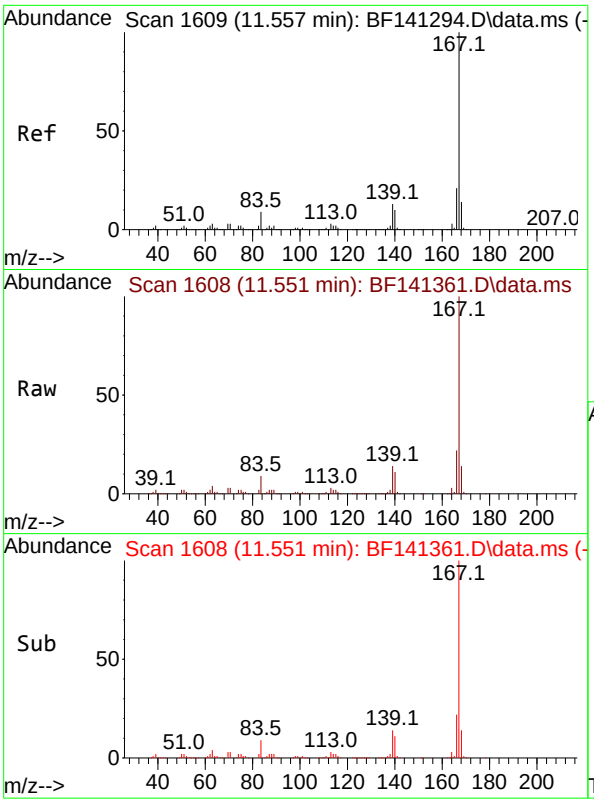


#72
Anthracene
Concen: 42.420 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:178 Resp: 747273

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.5	12.3	18.5

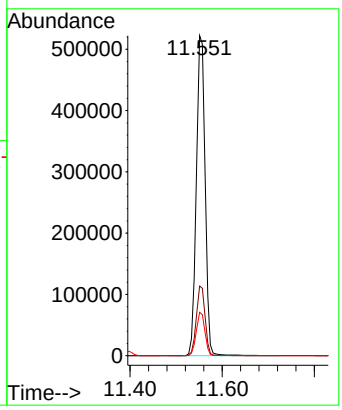




#73
Carbazole
Concen: 44.227 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:167 Resp: 69085

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.5	10.6	16.0



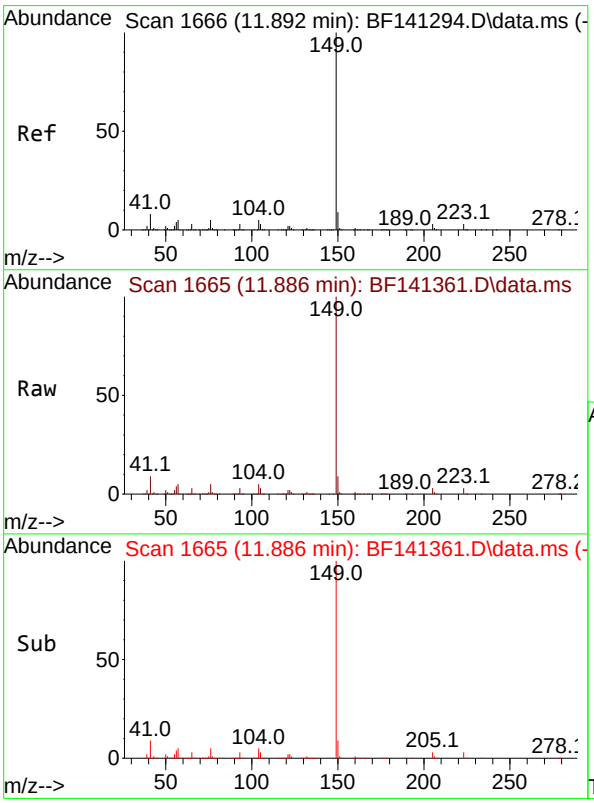
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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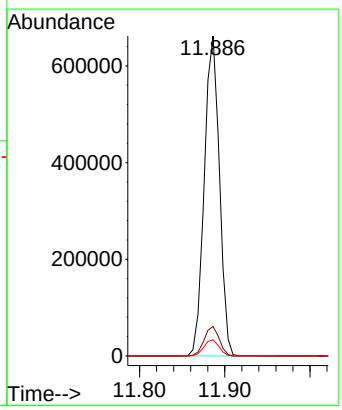
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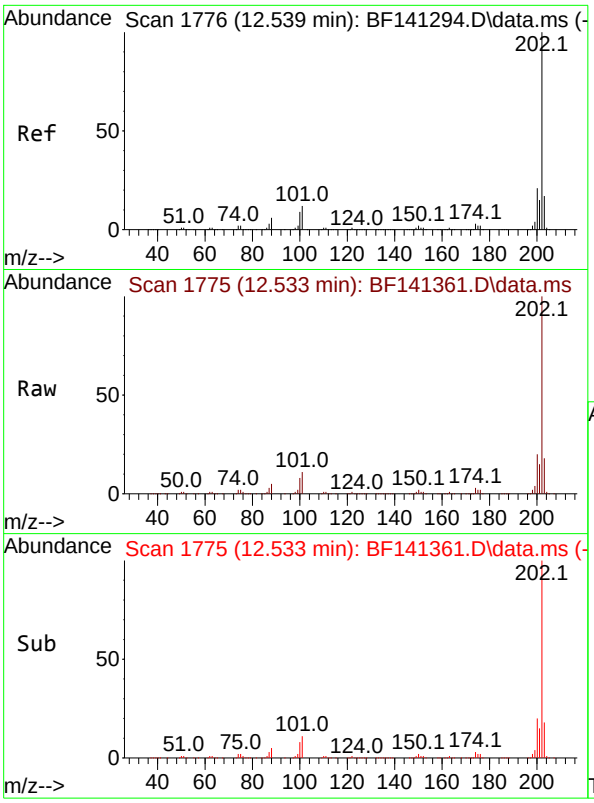


#74
Di-n-butylphthalate
Concen: 43.100 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:149 Resp: 815911

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.1	3.9	5.9

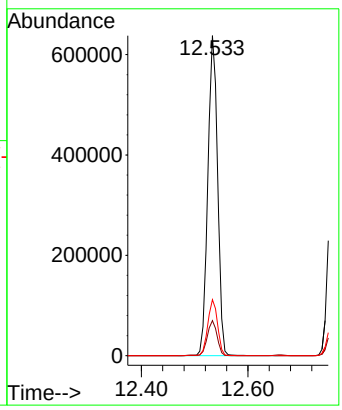




#75
Fluoranthene
Concen: 45.626 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:202 Resp: 80996

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.7
203	17.5	0.0	37.5



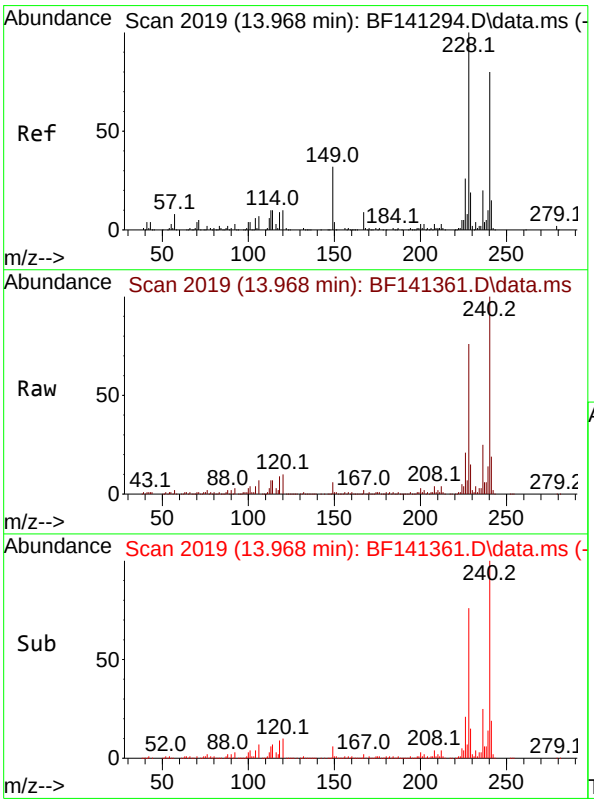
Instrument :
BNA_F
ClientSampleId :
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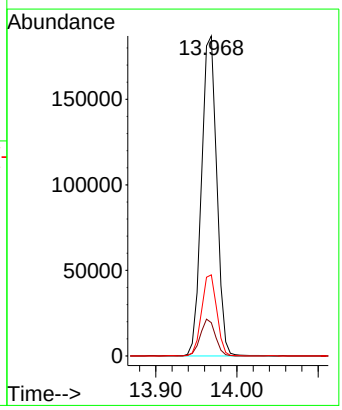
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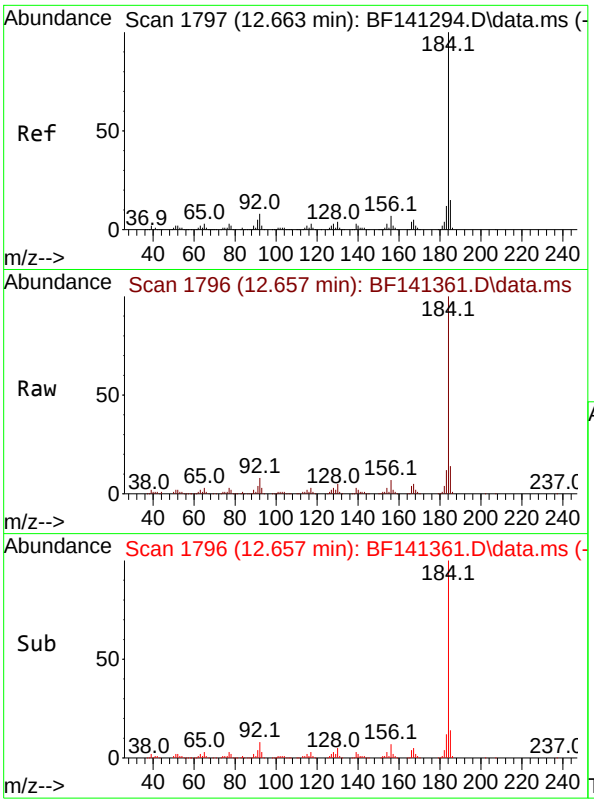


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:240 Resp: 243574

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.0	15.0
236	25.4	19.7	29.5





#77
Benzidine
Concen: 39.082 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:184 Resp: 30517

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	12.1	9.5	14.3

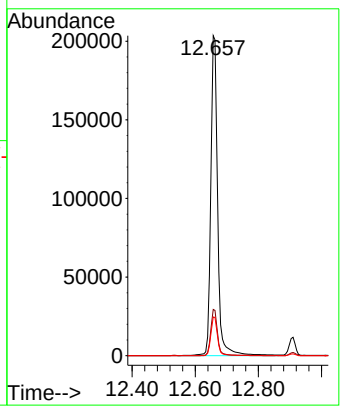
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ClientSampleId :
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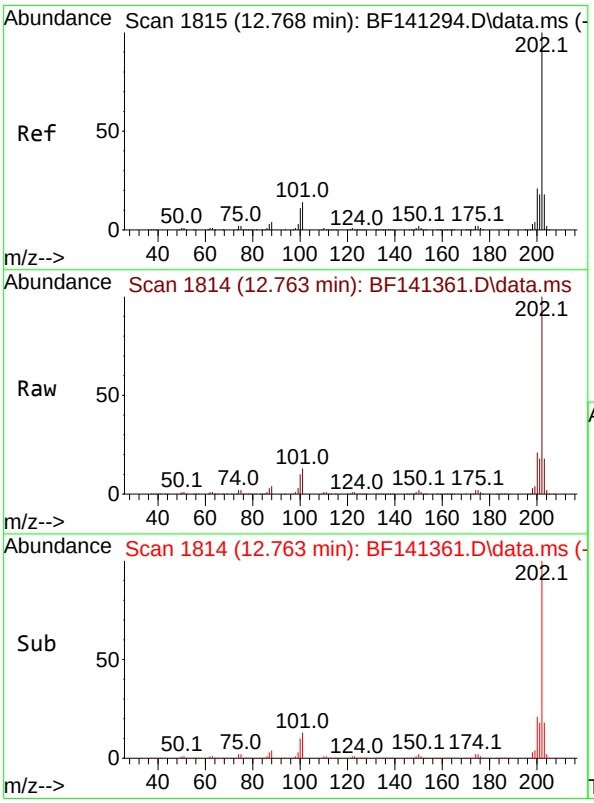
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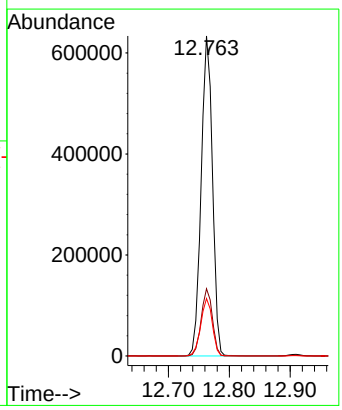


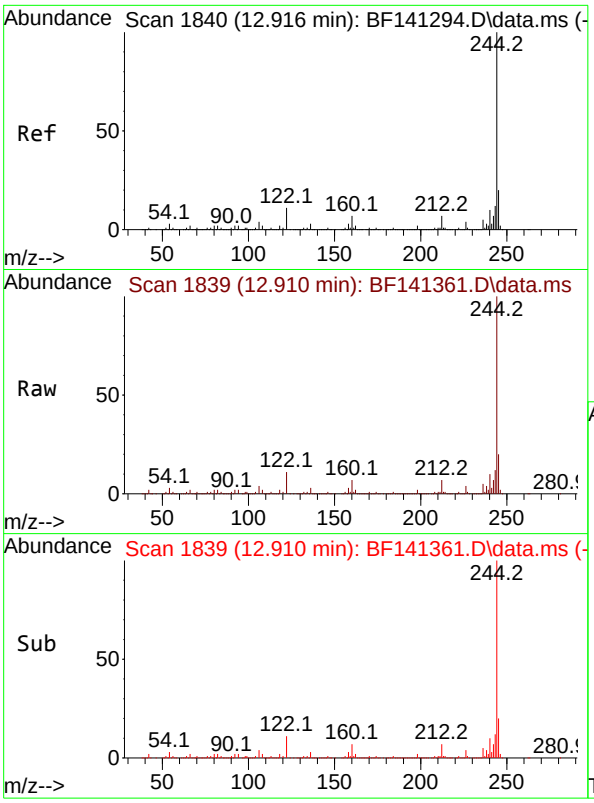


#78
Pyrene
Concen: 34.986 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:202 Resp: 817992

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.0	14.3	21.5

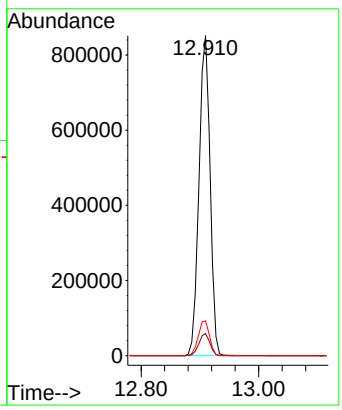




#79
Terphenyl-d14
Concen: 70.570 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:244 Resp: 111459

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.9	8.8	13.2



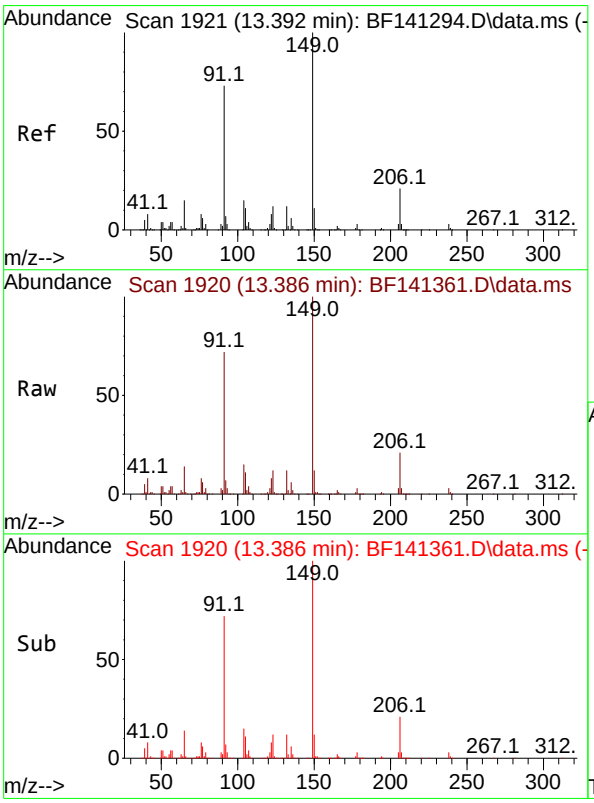
Instrument :
BNA_F
ClientSampleId :
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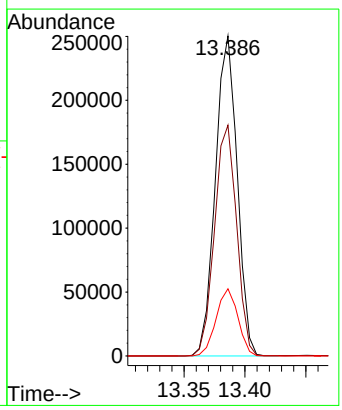
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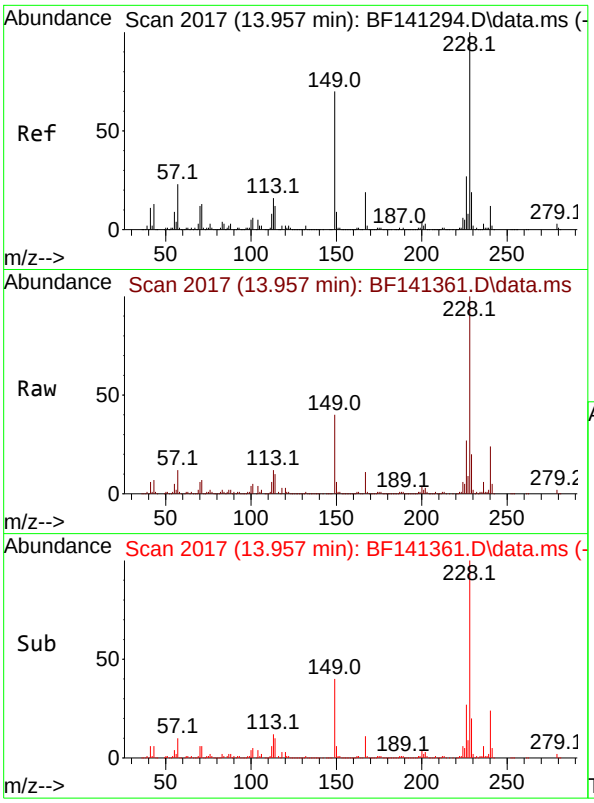


#80
Butylbenzylphthalate
Concen: 38.308 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:149 Resp: 312910

Ion	Ratio	Lower	Upper
149	100		
91	72.1	58.6	87.8
206	21.0	16.7	25.1

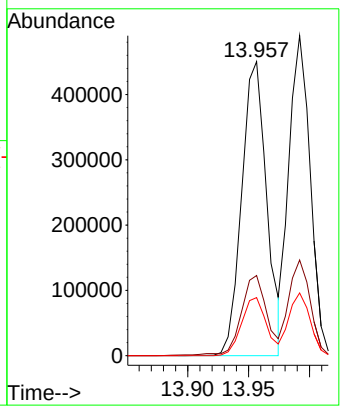




#81
Benzo(a)anthracene
Concen: 38.325 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:228 Resp: 64416

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.5	23.3



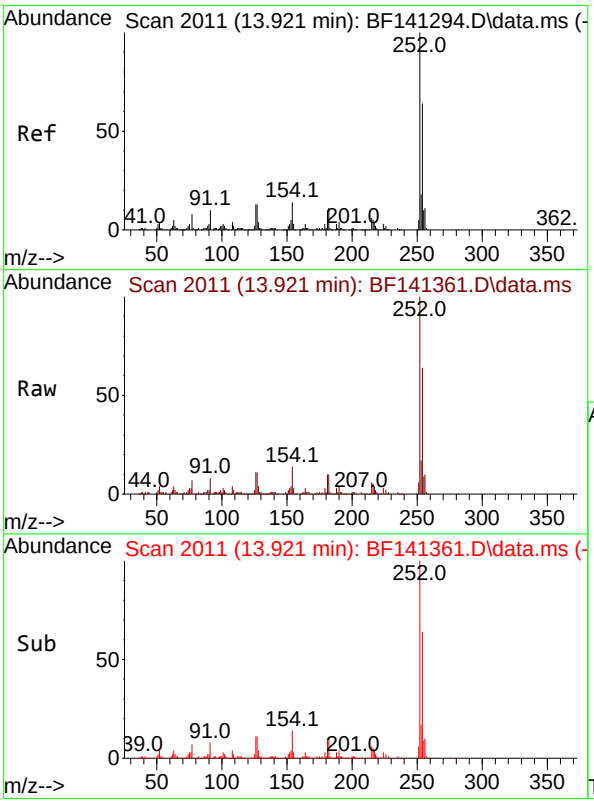
Instrument :
BNA_F
ClientSampleId :
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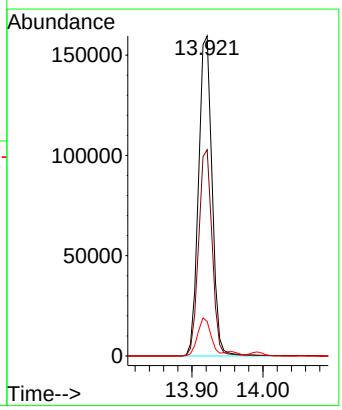
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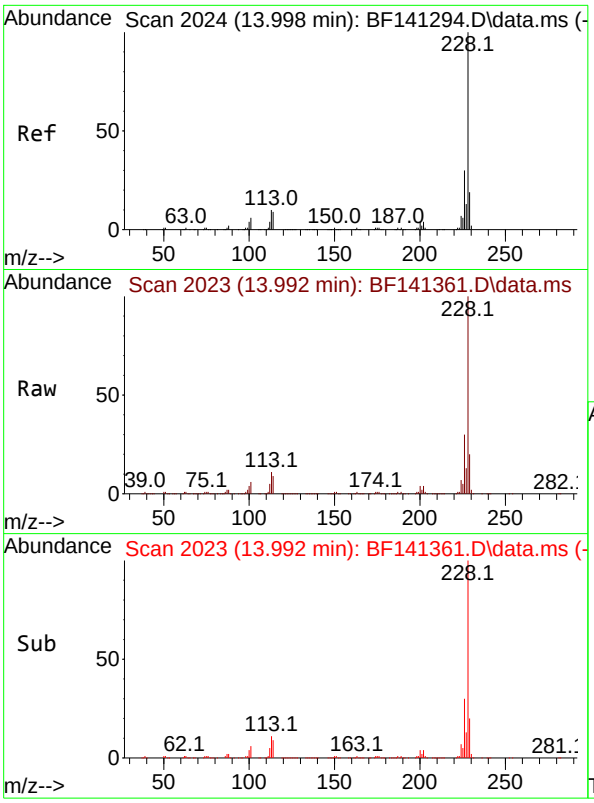


#82
3,3'-Dichlorobenzidine
Concen: 39.687 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:252 Resp: 212156

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.3	76.9
126	10.8	10.0	15.0

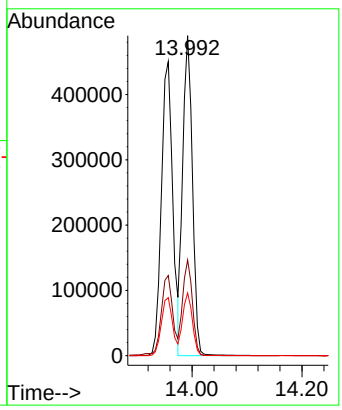




#83
Chrysene
Concen: 39.050 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:228 Resp: 60152

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.6	15.6	23.4



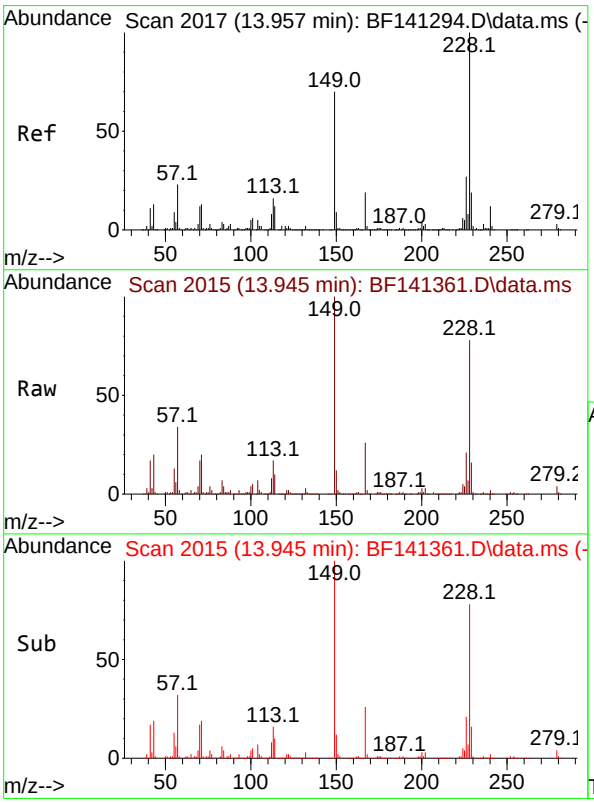
Instrument :
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ClientSampleId :
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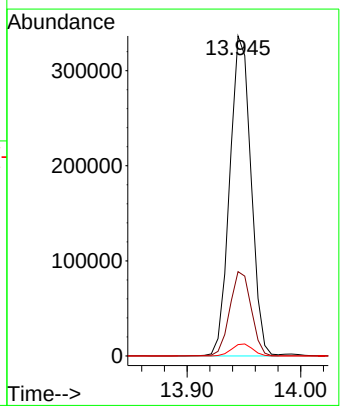
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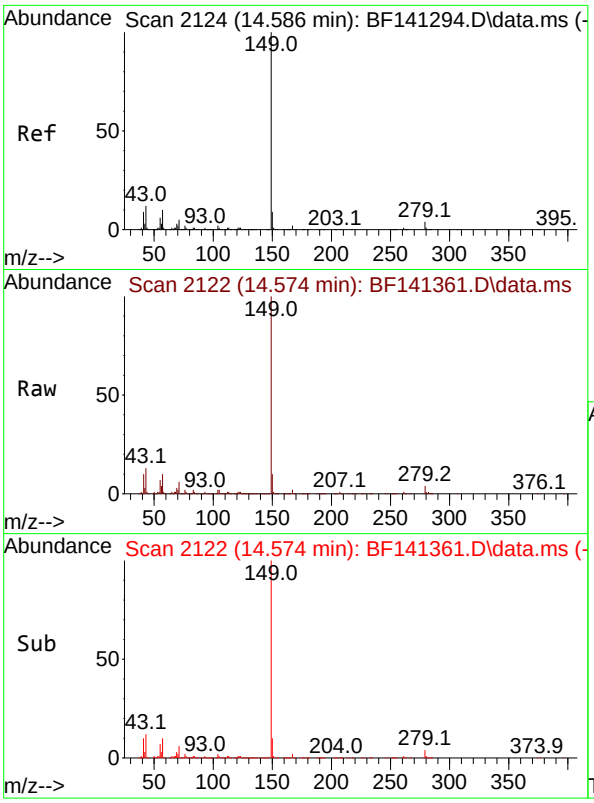


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.145 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:149 Resp: 436692

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.8	32.8
279	3.6	3.3	4.9

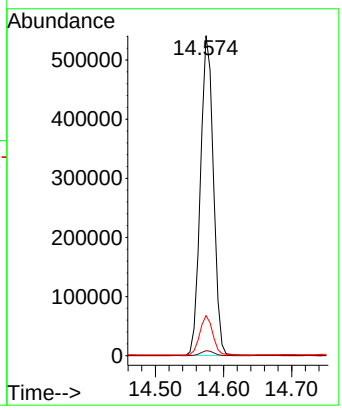




#85
Di-n-octyl phthalate
Concen: 44.516 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:149 Resp: 71642

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.2	9.8	14.8



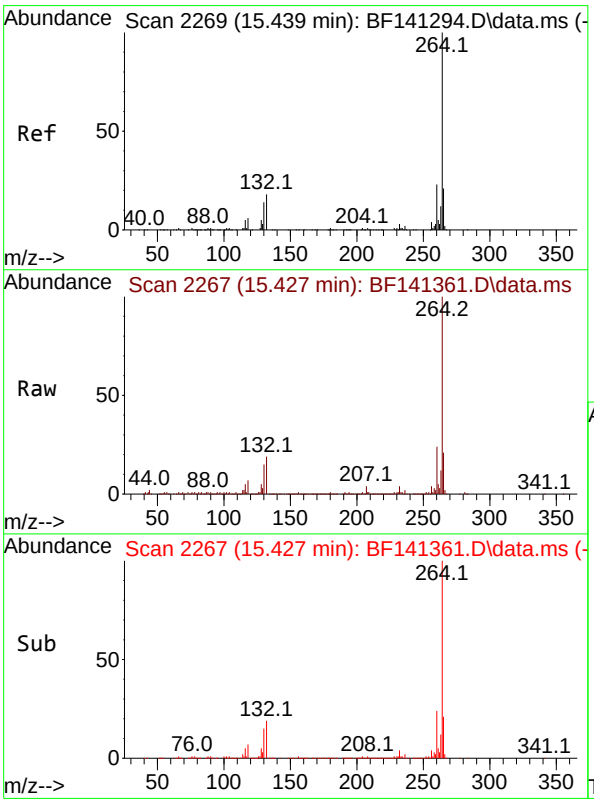
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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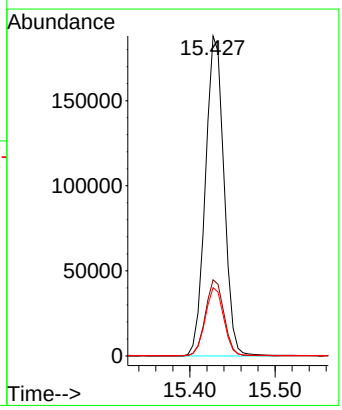
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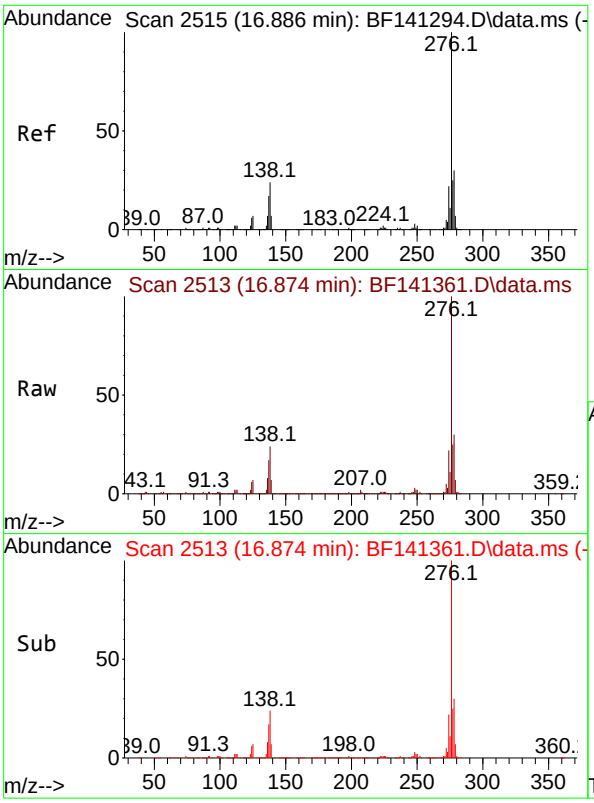


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:264 Resp: 284769

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.4	16.7	25.1

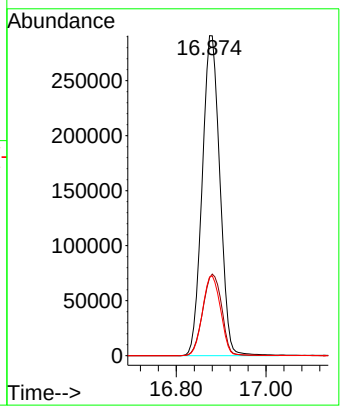




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.334 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:276 Resp: 79646

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.7	32.5
277	25.6	20.3	30.5



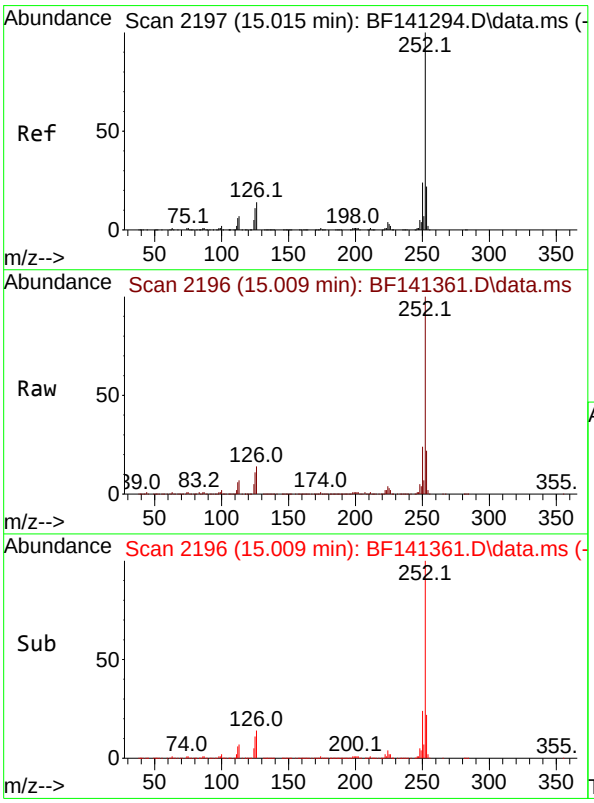
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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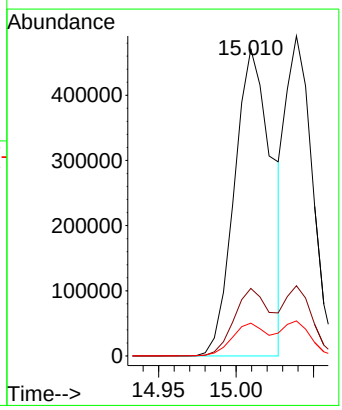
02/06/2025

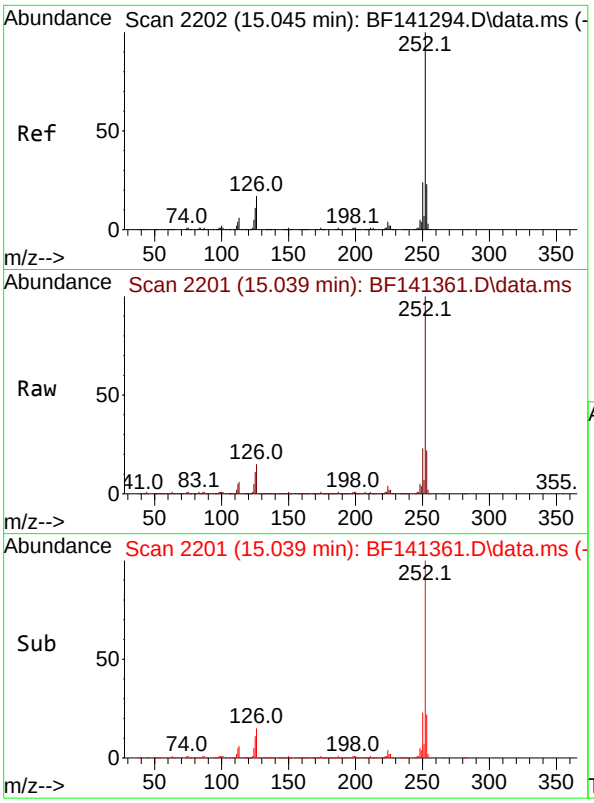


#88
Benzo(b)fluoranthene
Concen: 44.175 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:252 Resp: 791291

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.7	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 36.950 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

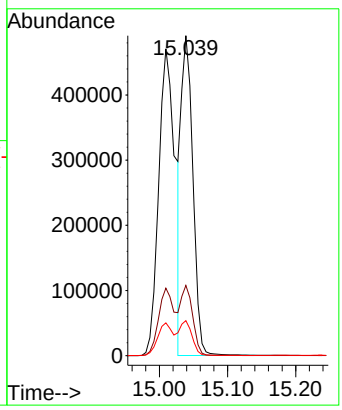
Tgt Ion:252 Resp: 58634

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

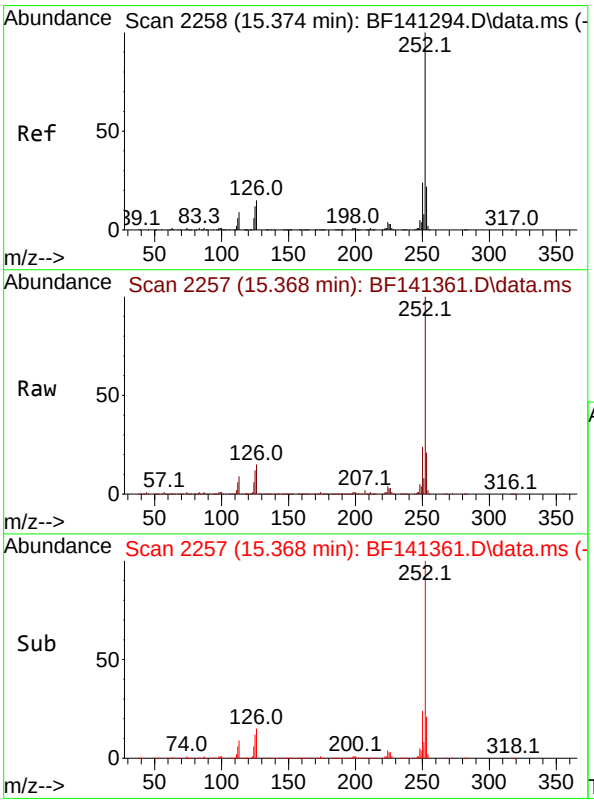
Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay



02/04/2025
Supervised By :mohammad ahmed

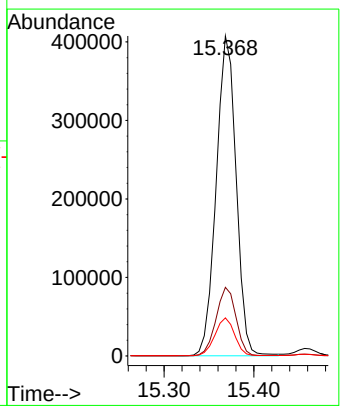
02/06/2025

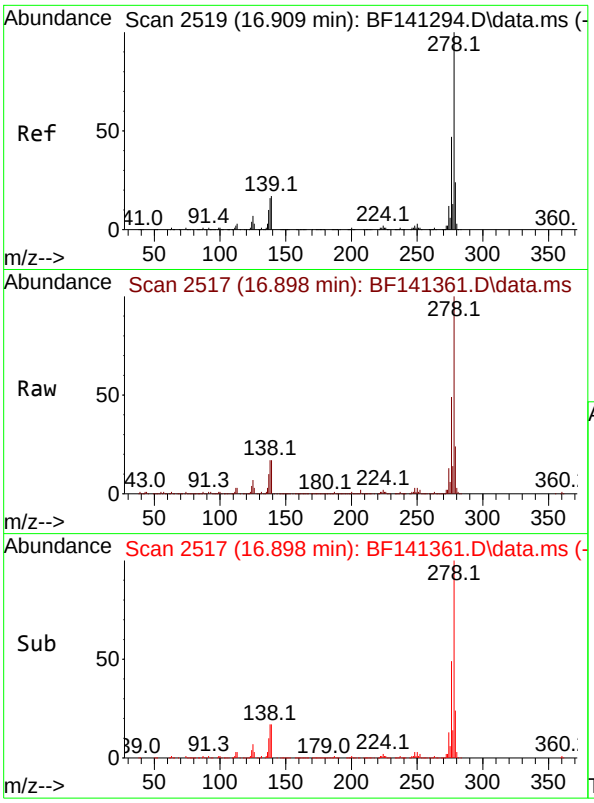


#90
Benzo(a)pyrene
Concen: 41.504 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:252 Resp: 628247

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.9	9.4	14.2

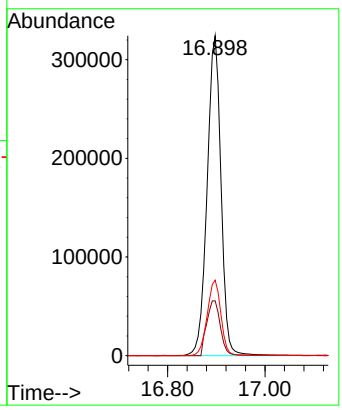




#91
Dibenzo(a,h)anthracene
Concen: 43.298 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:278 Resp: 64025

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	23.6	18.8	28.2



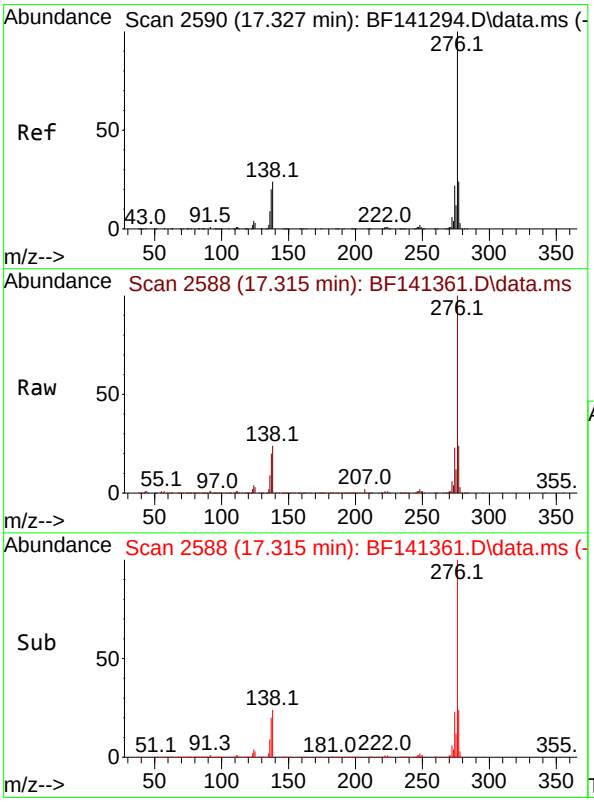
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

02/04/2025
Supervised By :mohammad ahmed

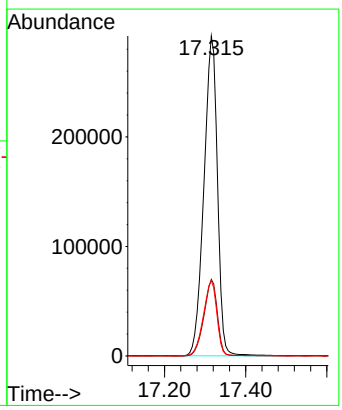
02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 43.768 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141361.D
Acq: 03 Feb 2025 11:24

Tgt Ion:276 Resp: 672962

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	23.6	19.0	28.4



Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	69	0.00
2		1,4-Dioxane	0.573	0.630	-9.9	81	-0.02
3		Pyridine	1.380	1.326	3.9	69	-0.02
4		n-Nitrosodimethylamine	0.789	0.841	-6.6	77	-0.04
5	S	2-Fluorophenol	1.303	1.313	-0.8	75	0.00
6		Aniline	1.403	1.302	7.2	66	-0.01
7	S	Phenol-d6	1.657	1.641	1.0	74	0.00
8		2-Chlorophenol	1.396	1.420	-1.7	75	0.00
9		Benzaldehyde	0.960	0.989	-3.0	76	0.00
10	C	Phenol	1.757	1.726	1.8	72	0.00
11		bis(2-Chloroethyl)ether	1.347	1.302	3.3	73	-0.01
12		1,3-Dichlorobenzene	1.540	1.572	-2.1	76	0.00
13	C	1,4-Dichlorobenzene	1.547	1.568	-1.4	75	0.00
14		1,2-Dichlorobenzene	1.448	1.472	-1.7	76	0.00
15		Benzyl Alcohol	1.133	1.213	-7.1	77	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.200	6.1	69	0.00
17		2-Methylphenol	1.135	1.098	3.3	72	0.00
18		Hexachloroethane	0.571	0.590	-3.3	77	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.973	1.2	75	-0.02
20		3+4-Methylphenols	1.393	1.446	-3.8	77	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.475	0.501	-5.5	78	-0.01
23	S	Nitrobenzene-d5	0.379	0.397	-4.7	76	0.00
24		Nitrobenzene	0.393	0.407	-3.6	74	-0.01
25		Isophorone	0.656	0.653	0.5	73	-0.01
26	C	2-Nitrophenol	0.185	0.192	-3.8	74	0.00
27		2,4-Dimethylphenol	0.236	0.234	0.8	71	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.414	1.0	72	-0.01
29	C	2,4-Dichlorophenol	0.289	0.297	-2.8	75	0.00
30		1,2,4-Trichlorobenzene	0.330	0.335	-1.5	75	0.00
31		Naphthalene	1.057	1.079	-2.1	75	0.00
32		Benzoic acid	0.217	0.227	-4.6	70	-0.02
33		4-Chloroaniline	0.358	0.348	2.8	70	0.00
34	C	Hexachlorobutadiene	0.194	0.207	-6.7	79	0.00
35		Caprolactam	0.094	0.095	-1.1	72	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.324	-4.5	77	0.00
37		2-Methylnaphthalene	0.672	0.690	-2.7	75	0.00
38		1-Methylnaphthalene	0.660	0.672	-1.8	75	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.572	-0.5	75	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	75	0.00
42	S	2,4,6-Tribromophenol	0.183	0.200	-9.3	81	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.384	-3.2	74	0.00
44		2,4,5-Trichlorophenol	0.405	0.416	-2.7	77	0.00
45	S	2-Fluorobiphenyl	1.299	1.315	-1.2	78	0.00
46		1,1'-Biphenyl	1.560	1.548	0.8	75	0.00
47		2-Chloronaphthalene	1.216	1.208	0.7	76	0.00

Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.392	-2.6	76	0.00
49		Acenaphthylene	1.702	1.699	0.2	75	0.00
50		Dimethylphthalate	1.351	1.368	-1.3	78	-0.01
51		2,6-Dinitrotoluene	0.314	0.315	-0.3	75	0.00
52	C	Acenaphthene	1.216	1.239	-1.9	77	0.00
53		3-Nitroaniline	0.307	0.322	-4.9	75	0.00
54	P	2,4-Dinitrophenol	0.146	0.163	-11.6	78	0.00
55		Dibenzofuran	1.627	1.650	-1.4	76	0.00
56	P	4-Nitrophenol	0.225	0.256	-13.8	80	0.02
57		2,4-Dinitrotoluene	0.406	0.426	-4.9	77	-0.01
58		Fluorene	1.262	1.311	-3.9	79	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.342	-7.2	79	0.00
60		Diethylphthalate	1.310	1.343	-2.5	77	-0.01
61		4-Chlorophenyl-phenylether	0.617	0.635	-2.9	78	0.00
62		4-Nitroaniline	0.302	0.331	-9.6	80	-0.01
63		Azobenzene	1.311	1.313	-0.2	75	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.139	-17.8	81	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.658	-1.7	77	0.00
67		4-Bromophenyl-phenylether	0.224	0.234	-4.5	79	0.00
68		Hexachlorobenzene	0.238	0.249	-4.6	79	0.00
69		Atrazine	0.216	0.216	0.0	74	-0.01
70	C	Pentachlorophenol	0.139	0.152	-9.4	77	0.00
71		Phenanthrene	1.075	1.130	-5.1	80	0.00
72		Anthracene	1.053	1.117	-6.1	81	0.00
73		Carbazole	0.934	1.033	-10.6	84	0.00
74		Di-n-butylphthalate	1.132	1.220	-7.8	82	0.00
75	C	Fluoranthene	1.062	1.211	-14.0	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.641	0.626	2.3	80	0.00
78		Pyrene	1.920	1.679	12.6	89	0.00
79	S	Terphenyl-d14	1.297	1.144	11.8	90	0.00
80		Butylbenzylphthalate	0.671	0.642	4.3	96	0.00
81		Benzo(a)anthracene	1.380	1.322	4.2	97	0.00
82		3,3'-Dichlorobenzidine	0.439	0.436	0.7	97	0.00
83		Chrysene	1.265	1.235	2.4	102	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.896	-5.3	107	-0.01
85	c	Di-n-octyl phthalate	1.321	1.471	-11.4	112	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	102	-0.01
87		Indeno(1,2,3-cd)pyrene	1.291	1.398	-8.3	113	-0.02
88		Benzo(b)fluoranthene	1.258	1.389	-10.4	126	-0.01
89		Benzo(k)fluoranthene	1.114	1.030	7.5	97	-0.01
90	C	Benzo(a)pyrene	1.063	1.103	-3.8	111	-0.01
91		Dibenzo(a,h)anthracene	1.039	1.124	-8.2	113	-0.02
92		Benzo(g,h,i)perylene	1.080	1.182	-9.4	115	-0.03

Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	69	0.00
2		1,4-Dioxane	40.000	44.012	-10.0	81	-0.02
3		Pyridine	40.000	38.431	3.9	69	-0.02
4		n-Nitrosodimethylamine	40.000	42.660	-6.6	77	-0.04
5	S	2-Fluorophenol	80.000	80.639	-0.8	75	0.00
6		Aniline	40.000	37.112	7.2	66	-0.01
7	S	Phenol-d6	80.000	79.215	1.0	74	0.00
8		2-Chlorophenol	40.000	40.687	-1.7	75	0.00
9		Benzaldehyde	40.000	41.190	-3.0	76	0.00
10	C	Phenol	40.000	39.294	1.8	72	0.00
11		bis(2-Chloroethyl)ether	40.000	38.659	3.4	73	-0.01
12		1,3-Dichlorobenzene	40.000	40.844	-2.1	76	0.00
13	C	1,4-Dichlorobenzene	40.000	40.554	-1.4	75	0.00
14		1,2-Dichlorobenzene	40.000	40.649	-1.6	76	0.00
15		Benzyl Alcohol	40.000	42.844	-7.1	77	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.563	6.1	69	0.00
17		2-Methylphenol	40.000	38.689	3.3	72	0.00
18		Hexachloroethane	40.000	41.383	-3.5	77	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.542	1.1	75	-0.02
20		3+4-Methylphenols	40.000	41.520	-3.8	77	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	42.153	-5.4	78	-0.01
23	S	Nitrobenzene-d5	80.000	83.781	-4.7	76	0.00
24		Nitrobenzene	40.000	41.381	-3.5	74	-0.01
25		Isophorone	40.000	39.825	0.4	73	-0.01
26	C	2-Nitrophenol	40.000	41.467	-3.7	74	0.00
27		2,4-Dimethylphenol	40.000	39.629	0.9	71	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.540	1.2	72	-0.01
29	C	2,4-Dichlorophenol	40.000	41.114	-2.8	75	0.00
30		1,2,4-Trichlorobenzene	40.000	40.654	-1.6	75	0.00
31		Naphthalene	40.000	40.850	-2.1	75	0.00
32		Benzoic acid	40.000	41.864	-4.7	70	-0.02
33		4-Chloroaniline	40.000	38.830	2.9	70	0.00
34	C	Hexachlorobutadiene	40.000	42.830	-7.1	79	0.00
35		Caprolactam	40.000	40.128	-0.3	72	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.805	-4.5	77	0.00
37		2-Methylnaphthalene	40.000	41.088	-2.7	75	0.00
38		1-Methylnaphthalene	40.000	40.770	-1.9	75	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.237	-0.6	75	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.983	-10.0	75	0.00
42	S	2,4,6-Tribromophenol	80.000	87.321	-9.2	81	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.248	-3.1	74	0.00
44		2,4,5-Trichlorophenol	40.000	41.031	-2.6	77	0.00
45	S	2-Fluorobiphenyl	80.000	80.940	-1.2	78	0.00
46		1,1'-Biphenyl	40.000	39.699	0.8	75	0.00
47		2-Chloronaphthalene	40.000	39.740	0.6	76	0.00

Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	41.055	-2.6	76	0.00
49		Acenaphthylene	40.000	39.923	0.2	75	0.00
50		Dimethylphthalate	40.000	40.523	-1.3	78	-0.01
51		2,6-Dinitrotoluene	40.000	40.149	-0.4	75	0.00
52	C	Acenaphthene	40.000	40.755	-1.9	77	0.00
53		3-Nitroaniline	40.000	41.859	-4.6	75	0.00
54	P	2,4-Dinitrophenol	40.000	44.625	-11.6	78	0.00
55		Dibenzofuran	40.000	40.548	-1.4	76	0.00
56	P	4-Nitrophenol	40.000	45.471	-13.7	80	0.02
57		2,4-Dinitrotoluene	40.000	41.946	-4.9	77	-0.01
58		Fluorene	40.000	41.554	-3.9	79	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.892	-7.2	79	0.00
60		Diethylphthalate	40.000	41.025	-2.6	77	-0.01
61		4-Chlorophenyl-phenylether	40.000	41.170	-2.9	78	0.00
62		4-Nitroaniline	40.000	43.865	-9.7	80	-0.01
63		Azobenzene	40.000	40.048	-0.1	75	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.869	-17.2	81	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.682	-1.7	77	0.00
67		4-Bromophenyl-phenylether	40.000	41.715	-4.3	79	0.00
68		Hexachlorobenzene	40.000	41.866	-4.7	79	0.00
69		Atrazine	40.000	39.975	0.1	74	-0.01
70	C	Pentachlorophenol	40.000	43.745	-9.4	77	0.00
71		Phenanthrene	40.000	42.056	-5.1	80	0.00
72		Anthracene	40.000	42.420	-6.1	81	0.00
73		Carbazole	40.000	44.227	-10.6	84	0.00
74		Di-n-butylphthalate	40.000	43.100	-7.8	82	0.00
75	C	Fluoranthene	40.000	45.626	-14.1	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	39.082	2.3	80	0.00
78		Pyrene	40.000	34.986	12.5	89	0.00
79	S	Terphenyl-d14	80.000	70.570	11.8	90	0.00
80		Butylbenzylphthalate	40.000	38.308	4.2	96	0.00
81		Benzo(a)anthracene	40.000	38.325	4.2	97	0.00
82		3,3'-Dichlorobenzidine	40.000	39.687	0.8	97	0.00
83		Chrysene	40.000	39.050	2.4	102	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.145	-5.4	107	-0.01
85	c	Di-n-octyl phthalate	40.000	44.516	-11.3	112	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	102	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.334	-8.3	113	-0.02
88		Benzo(b)fluoranthene	40.000	44.175	-10.4	126	-0.01
89		Benzo(k)fluoranthene	40.000	36.950	7.6	97	-0.01
90	C	Benzo(a)pyrene	40.000	41.504	-3.8	111	-0.01
91		Dibenzo(a,h)anthracene	40.000	43.298	-8.2	113	-0.02
92		Benzo(g,h,i)perylene	40.000	43.768	-9.4	115	-0.03

Sample Results: **BF141361.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141361.D
Acq On : 03 Feb 2025 11:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 03 11:47:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141398.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.302		-0.1	
Benzaldehyde	0.960	0.893		-7.0	
Phenol-d6	1.657	1.560		-5.9	
Phenol	1.757	1.650		-6.1	20.0
bis(2-Chloroethyl)ether	1.347	1.262		-6.3	
2-Chlorophenol	1.396	1.387		-0.6	
2-Methylphenol	1.135	1.074		-5.4	
2,2-oxybis(1-Chloropropane)	2.342	2.108		-10.0	
Acetophenone	0.475	0.491		3.4	
3+4-Methylphenols	1.393	1.375		-1.3	
n-Nitroso-di-n-propylamine	0.985	0.929	0.050	-5.7	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Isophorone	0.656	0.643		-2.0	
2-Nitrophenol	0.185	0.185		0.0	20.0
2,4-Dimethylphenol	0.236	0.230		-2.5	
bis(2-Chloroethoxy)methane	0.418	0.403		-3.6	
2,4-Dichlorophenol	0.289	0.296		2.4	20.0
Naphthalene	1.057	1.061		0.4	
4-Chloroaniline	0.358	0.347		-3.1	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.325		4.8	20.0
2-Methylnaphthalene	0.672	0.684		1.8	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.382		2.7	20.0
2-Fluorobiphenyl	1.299	1.328		2.2	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
1,1-Biphenyl	1.560	1.563		0.2	
2-Chloronaphthalene	1.216	1.209		-0.6	
2-Nitroaniline	0.382	0.390		2.1	
Dimethylphthalate	1.351	1.371		1.5	
Acenaphthylene	1.702	1.717		0.9	
2,6-Dinitrotoluene	0.314	0.321		2.2	
3-Nitroaniline	0.307	0.321		4.6	
Acenaphthene	1.216	1.256		3.3	20.0
2,4-Dinitrophenol	0.146	0.165	0.050	13.0	
4-Nitrophenol	0.225	0.257	0.050	14.2	

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.669		2.6	
2,4-Dinitrotoluene	0.406	0.441		8.6	
Diethylphthalate	1.310	1.374		4.9	
4-Chlorophenyl-phenylether	0.617	0.648		5.0	
Fluorene	1.262	1.306		3.5	
4-Nitroaniline	0.302	0.344		13.9	
4,6-Dinitro-2-methylphenol	0.118	0.137		16.1	
n-Nitrosodiphenylamine	0.647	0.634		-2.0	20.0
2,4,6-Tribromophenol	0.183	0.202		10.4	
4-Bromophenyl-phenylether	0.224	0.225		0.4	
Hexachlorobenzene	0.238	0.243		2.1	
Atrazine	0.216	0.214		-0.9	
Pentachlorophenol	0.139	0.161		15.8	20.0
Phenanthrene	1.075	1.109		3.2	
Anthracene	1.053	1.092		3.7	
Carbazole	0.934	1.029		10.1	
Di-n-butylphthalate	1.132	1.214		7.2	
Fluoranthene	1.062	1.240		16.8	20.0
Pyrene	1.920	1.729		-9.9	
Terphenyl-d14	1.297	1.200		-7.5	
Butylbenzylphthalate	0.671	0.691		3.0	
3,3-Dichlorobenzidine	0.439	0.412		-6.2	
Benzo(a)anthracene	1.380	1.305		-5.4	
Chrysene	1.265	1.270		0.4	
Bis(2-ethylhexyl)phthalate	0.851	0.910		6.9	
Di-n-octyl phthalate	1.321	1.415		7.1	20.0
Benzo(b)fluoranthene	1.258	1.341		6.6	
Benzo(k)fluoranthene	1.114	1.140		2.3	
Benzo(a)pyrene	1.063	1.072		0.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.338		3.6	
Dibenzo(a,h)anthracene	1.039	1.068		2.8	
Benzo(g,h,i)perylene	1.080	1.113		3.1	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.555		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.341		6.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.793	152	87552	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	331835	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	180473	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	318826	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	235294	20.000	ng		-0.01
86) Perylene-d12	15.421	264	201713	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	455924	79.945	ng		0.00
7) Phenol-d6	6.434	99	546451	75.322	ng		0.00
23) Nitrobenzene-d5	7.357	82	519110	82.468	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	145841	88.147	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	958786	81.771	ng		-0.01
79) Terphenyl-d14	12.904	244	1129373	74.022	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.440	88	97099	38.714	ng		98
3) Pyridine	3.175	79	222403	36.803	ng		97
4) n-Nitrosodimethylamine	3.122	42	142862m	41.383	ng		
6) Aniline	6.451	93	220322	35.876	ng	#	16
8) 2-Chlorophenol	6.581	128	242879	39.734	ng		96
9) Benzaldehyde	6.340	77	156434	37.226	ng		99
10) Phenol	6.445	94	288967	37.574	ng	#	71
11) bis(2-Chloroethyl)ether	6.528	93	221049	37.487	ng		98
12) 1,3-Dichlorobenzene	6.734	146	262908	39.009	ng		99
13) 1,4-Dichlorobenzene	6.810	146	269514	39.806	ng		100
14) 1,2-Dichlorobenzene	6.963	146	251753	39.708	ng		99
15) Benzyl Alcohol	6.934	79	203978	41.142	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	369176	36.004	ng		80
17) 2-Methylphenol	7.057	107	188055	37.854	ng	#	92
18) Hexachloroethane	7.304	117	102015	40.842	ng		97
19) n-Nitroso-di-n-propyla...	7.204	70	162661	37.733	ng		100
20) 3+4-Methylphenols	7.210	107	240839	39.483	ng	#	88
22) Acetophenone	7.198	105	326166	41.351	ng	#	98
24) Nitrobenzene	7.375	77	264172	40.497	ng		100
25) Isophorone	7.610	82	426672	39.213	ng		99
26) 2-Nitrophenol	7.692	139	122977	39.973	ng		97
27) 2,4-Dimethylphenol	7.734	122	152342m	38.904	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	267181	38.495	ng		99
29) 2,4-Dichlorophenol	7.939	162	196668	41.025	ng		99
30) 1,2,4-Trichlorobenzene	8.016	180	222442	40.631	ng		99
31) Naphthalene	8.098	128	703917	40.155	ng		100
32) Benzoic acid	7.845	122	152241	42.292	ng		100
33) 4-Chloroaniline	8.151	127	230545	38.783	ng		99
34) Hexachlorobutadiene	8.216	225	137723	42.897	ng		99
35) Caprolactam	8.510	113	62051	39.634	ng		95
36) 4-Chloro-3-methylphenol	8.634	107	215967	42.000	ng		95
37) 2-Methylnaphthalene	8.787	142	453714	40.722	ng		98
38) 1-Methylnaphthalene	8.886	142	443121	40.487	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	211825	41.257	ng		100
41) Hexachlorocyclopentadiene	8.939	237	66678	43.974	ng		100
43) 2,4,6-Trichlorophenol	9.069	196	137805	41.007	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

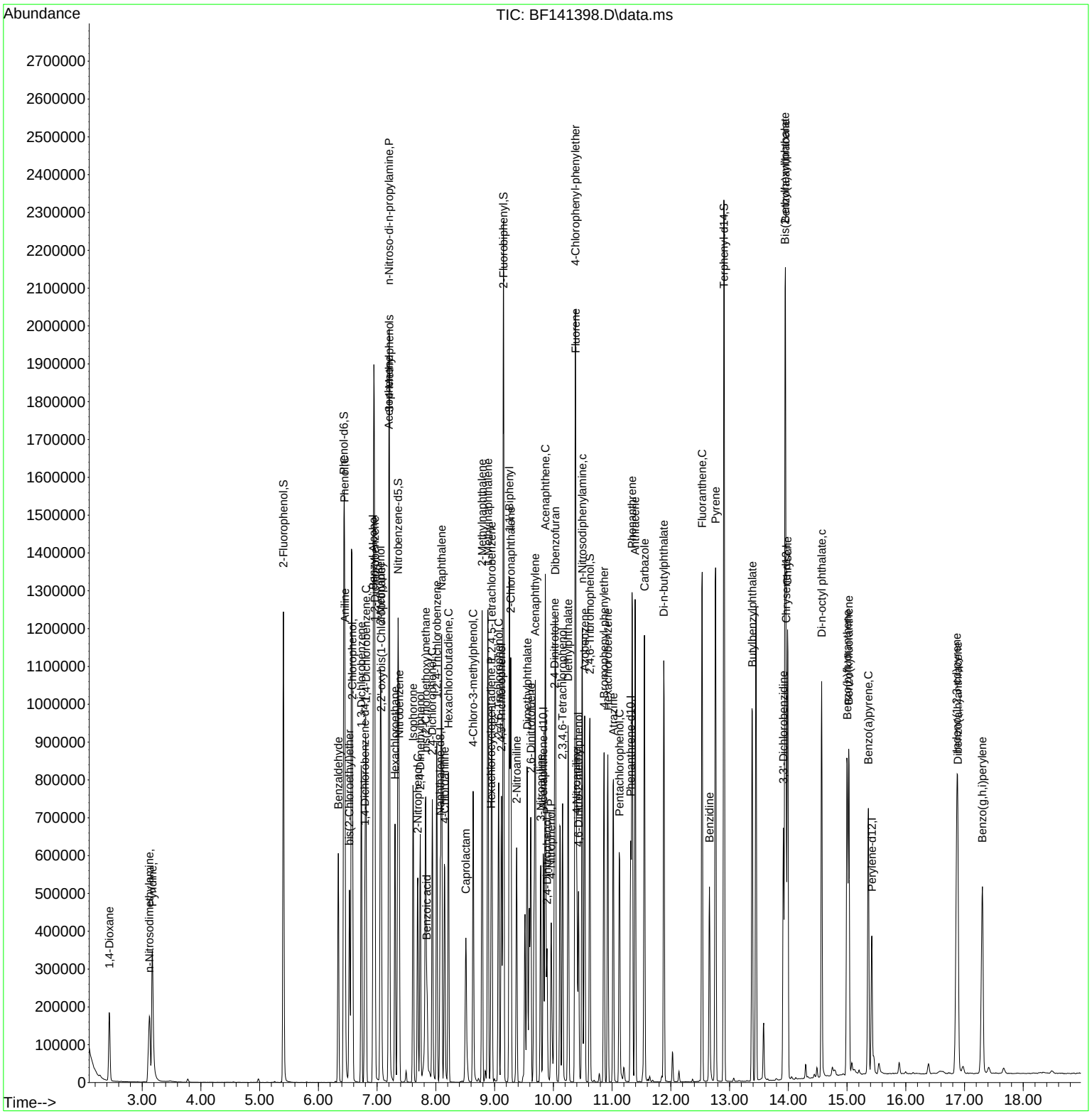
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	152071	41.577	ng	100
46) 1,1'-Biphenyl	9.251	154	564241	40.089	ng	99
47) 2-Chloronaphthalene	9.275	162	436455	39.785	ng	99
48) 2-Nitroaniline	9.375	65	140664	40.764	ng	99
49) Acenaphthylene	9.692	152	619791	40.360	ng	100
50) Dimethylphthalate	9.557	163	494930	40.604	ng	100
51) 2,6-Dinitrotoluene	9.616	165	115835	40.929	ng	98
52) Acenaphthene	9.863	154	453408	41.328	ng	100
53) 3-Nitroaniline	9.786	138	115797	41.746	ng	98
54) 2,4-Dinitrophenol	9.892	184	59519	45.240	ng	92
55) Dibenzofuran	10.033	168	602409	41.022	ng	97
56) 4-Nitrophenol	9.963	139	92908	45.798	ng	96
57) 2,4-Dinitrotoluene	10.022	165	159291	43.471	ng	98
58) Fluorene	10.381	166	471526	41.395	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	123166	42.803	ng	98
60) Diethylphthalate	10.251	149	495870	41.956	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	233902	42.037	ng	100
62) 4-Nitroaniline	10.398	138	123996	45.468	ng	93
63) Azobenzene	10.533	77	475982	40.234	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	87646	46.476	ng	97
66) n-Nitrosodiphenylamine	10.492	169	404177	39.195	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	143325	40.154	ng	99
68) Hexachlorobenzene	10.928	284	155137	40.974	ng	99
69) Atrazine	11.022	200	136423	39.568	ng	99
70) Pentachlorophenol	11.128	266	102799	46.366	ng	100
71) Phenanthrene	11.339	178	707114	41.259	ng	99
72) Anthracene	11.392	178	696374	41.470	ng	99
73) Carbazole	11.551	167	655823	44.044	ng	99
74) Di-n-butylphthalate	11.880	149	774119	42.899	ng	100
75) Fluoranthene	12.533	202	790425	46.710	ng	98
77) Benzidine	12.657	184	284455	37.710	ng	99
78) Pyrene	12.763	202	813495	36.018	ng	100
80) Butylbenzylphthalate	13.386	149	325399	41.239	ng	97
81) Benzo(a)anthracene	13.951	228	614138	37.824	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193800	37.529	ng	99
83) Chrysene	13.986	228	597592	40.160	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	428215	42.781	ng	98
85) Di-n-octyl phthalate	14.568	149	666025	42.840	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	539887	41.469	ng	97
88) Benzo(b)fluoranthene	15.004	252	541045	42.641	ng	99
89) Benzo(k)fluoranthene	15.027	252	459921	40.917	ng	99
90) Benzo(a)pyrene	15.363	252	432427	40.330	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430740	41.123	ng	98
92) Benzo(g,h,i)perylene	17.304	276	448843	41.212	ng	96

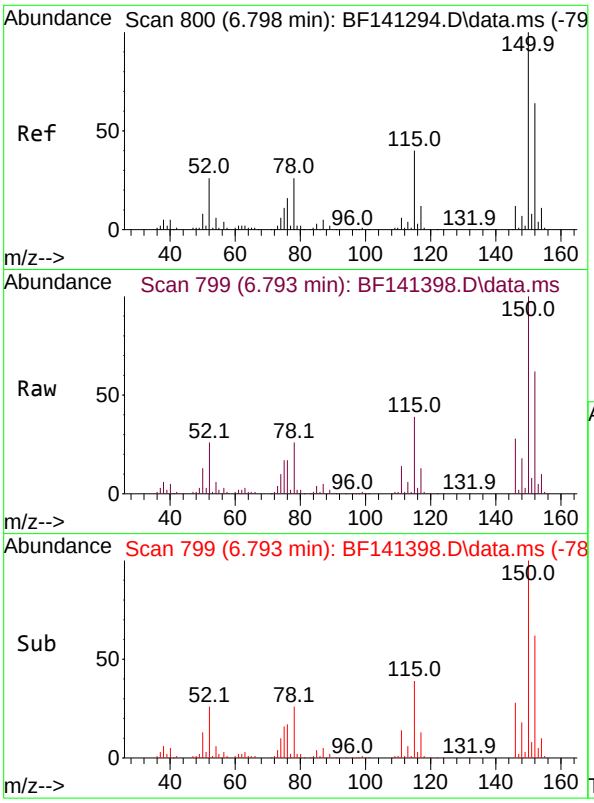
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



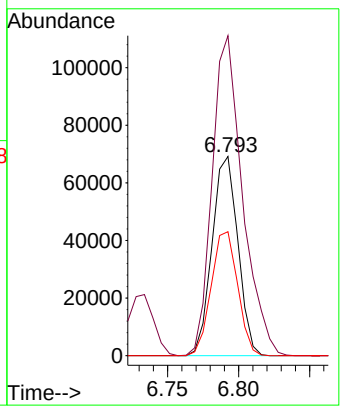


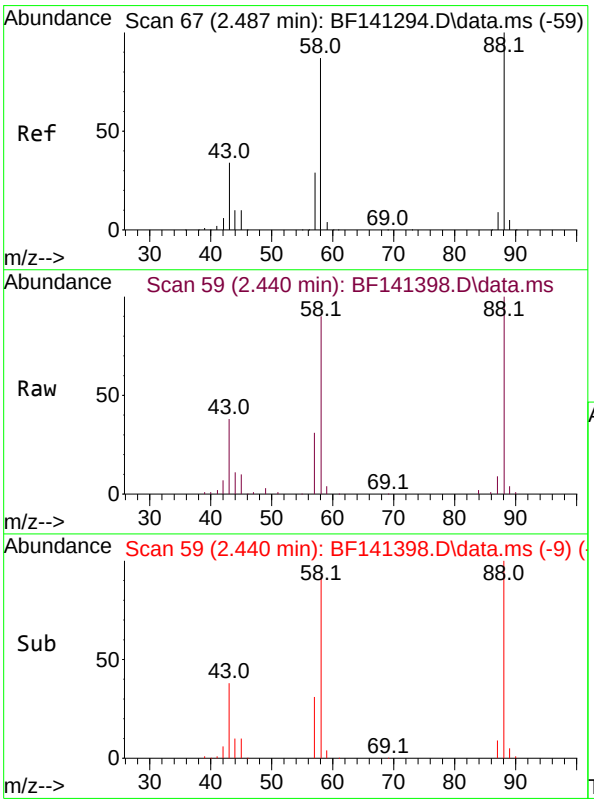
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 87552

Ion	Ratio	Lower	Upper
152	100		
150	160.6	125.9	188.9
115	62.3	49.7	74.5

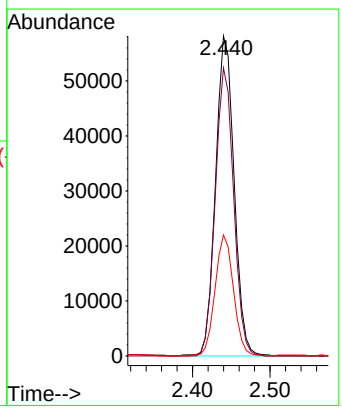


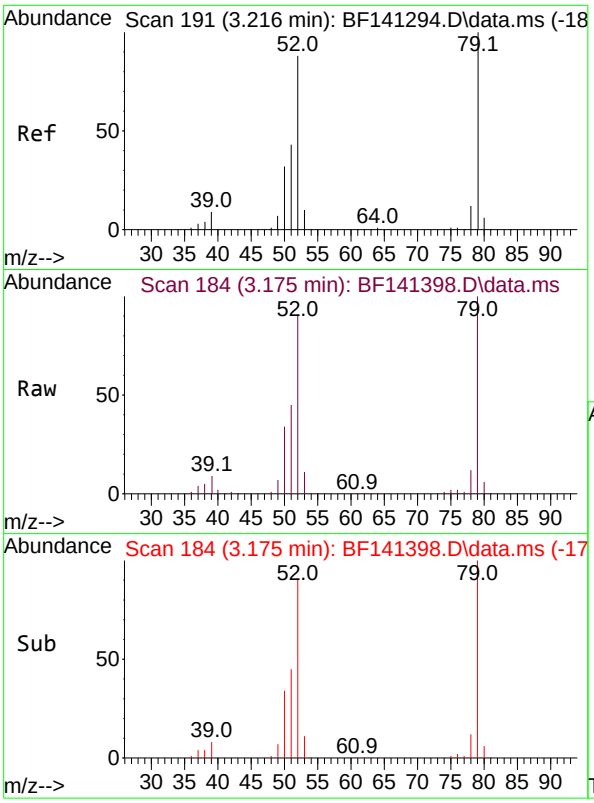


#2
1,4-Dioxane
Concen: 38.714 ng
RT: 2.440 min Scan# 59
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 88 Resp: 97099

Ion	Ratio	Lower	Upper
88	100		
58	89.1	70.2	105.4
43	37.5	27.6	41.4



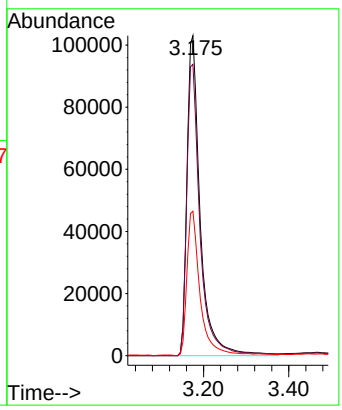


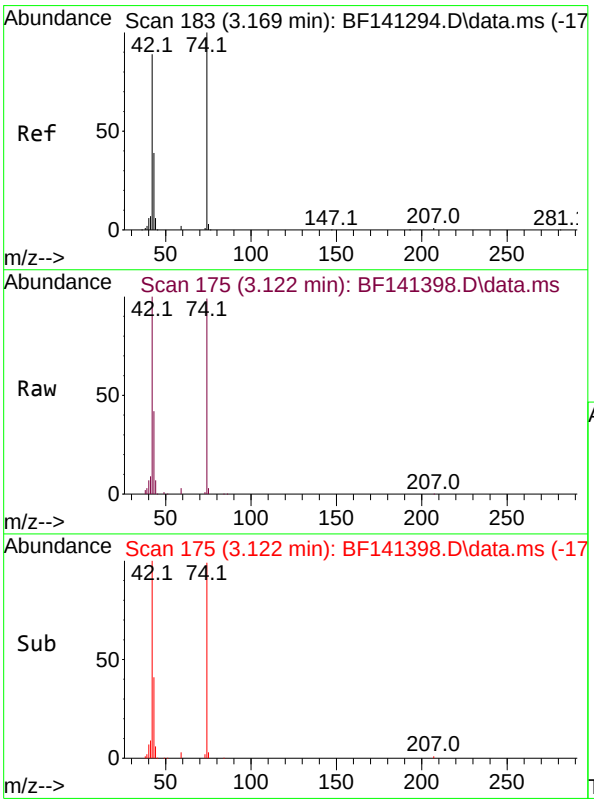
#3
Pyridine
Concen: 36.803 ng
RT: 3.175 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 222403

Ion	Ratio	Lower	Upper
79	100		
52	91.1	70.3	105.5
51	45.1	34.3	51.5

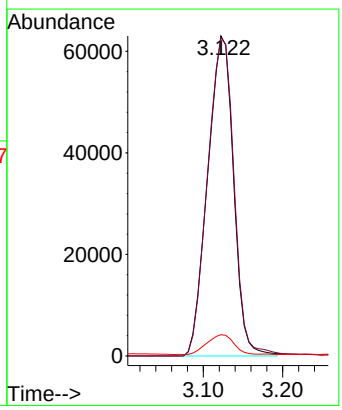


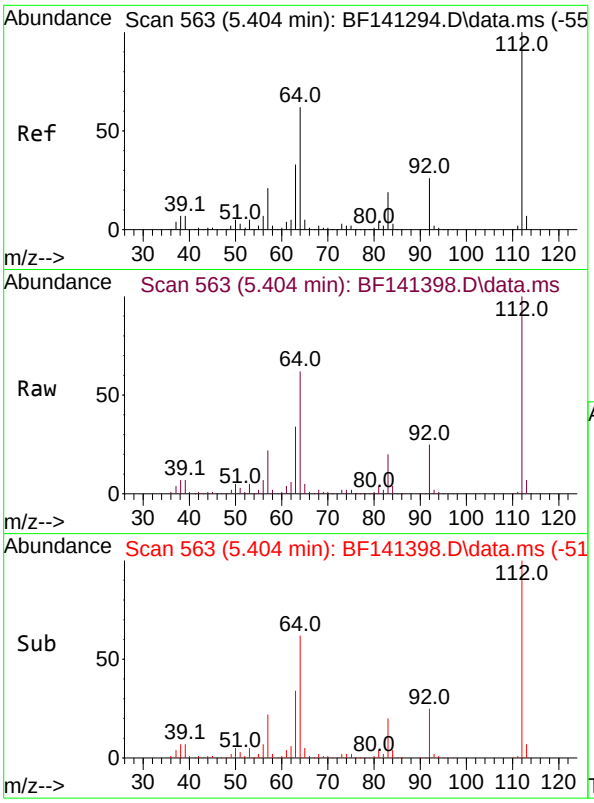


#4
n-Nitrosodimethylamine
Concen: 41.383 ng m
RT: 3.122 min Scan# 175
Delta R.T. -0.077 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 42 Resp: 142862

Ion	Ratio	Lower	Upper
42	100		
74	99.4	90.3	135.5
44	6.7	5.7	8.5



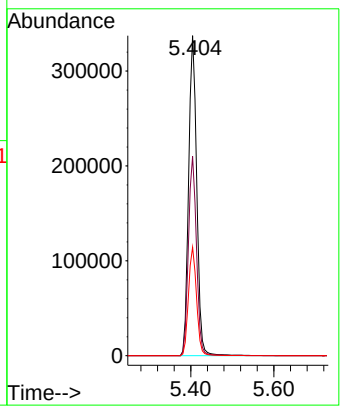


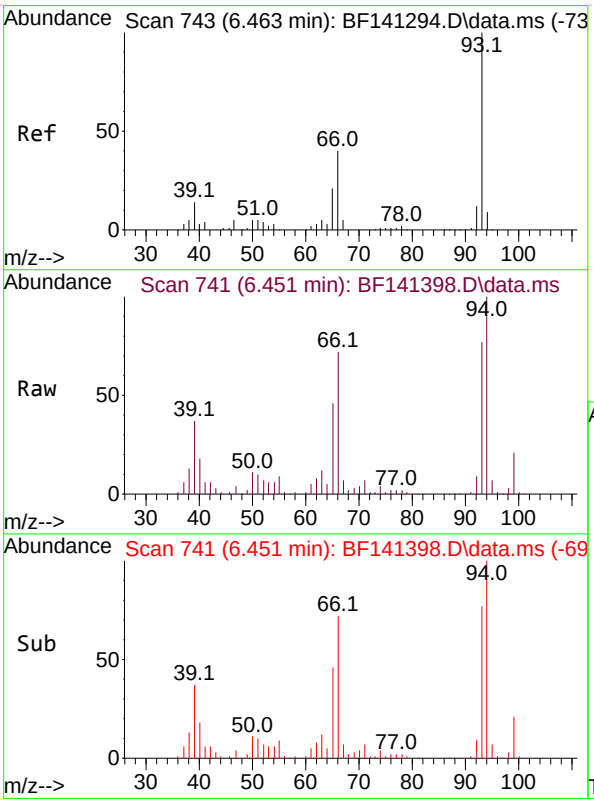
#5
2-Fluorophenol
Concen: 79.945 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 455924

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	33.9	26.1	39.1

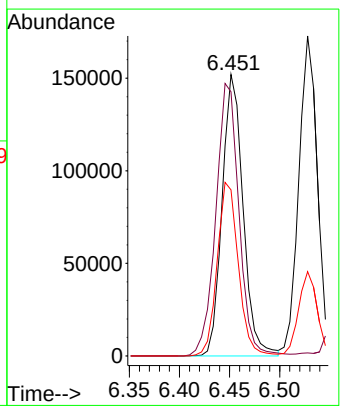


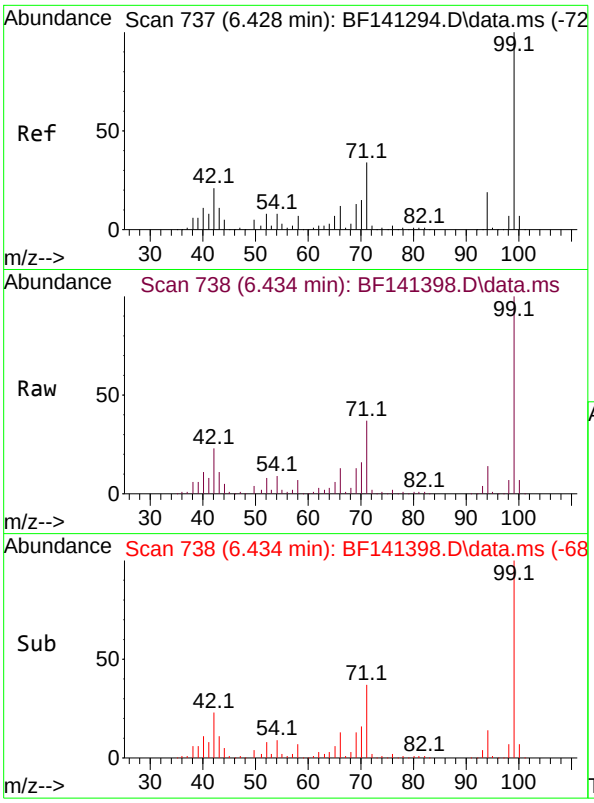


#6
Aniline
Concen: 35.876 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 220322

Ion	Ratio	Lower	Upper
93	100		
66	93.9	32.5	48.7#
65	59.0	17.0	25.6#



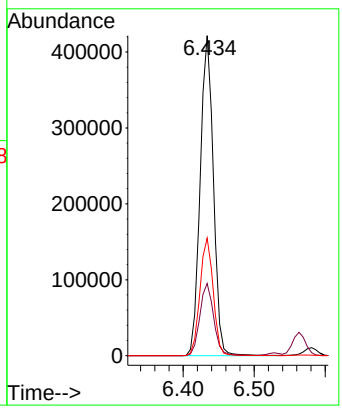


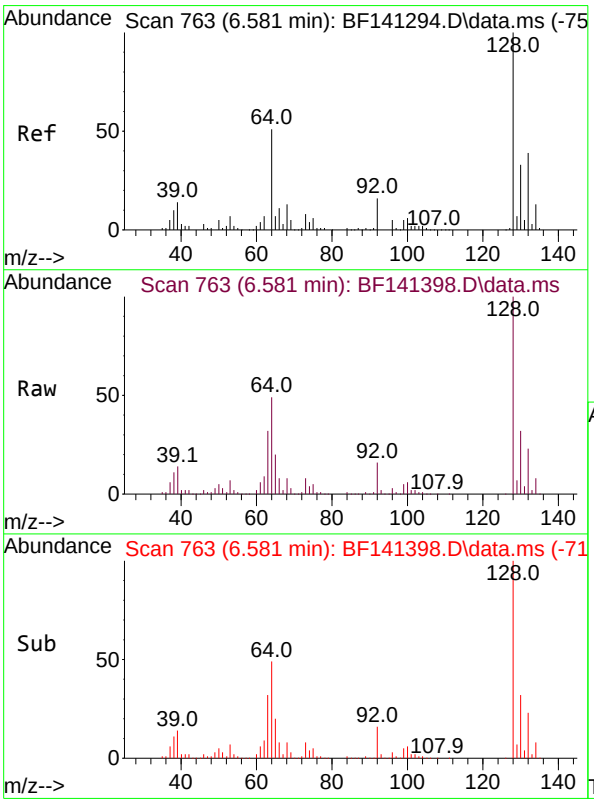
#7
Phenol-d6
Concen: 75.322 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 546451

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.1	25.7
71	36.7	26.9	40.3

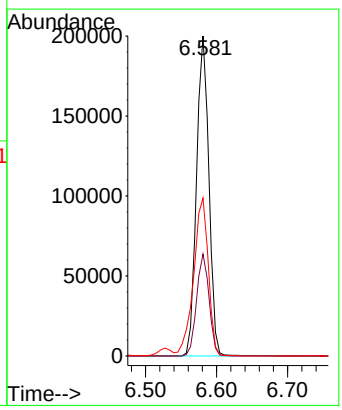


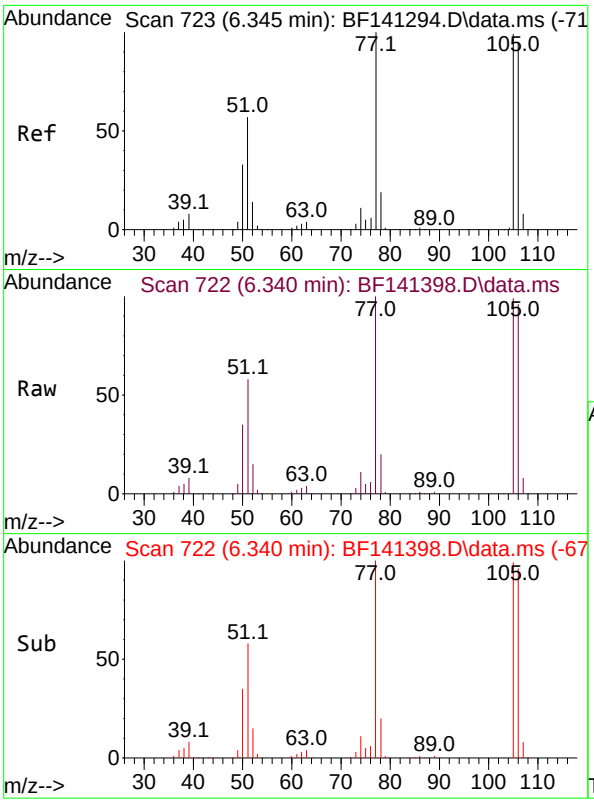


#8
2-Chlorophenol
Concen: 39.734 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:128 Resp: 242879

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	49.3	32.9	72.9



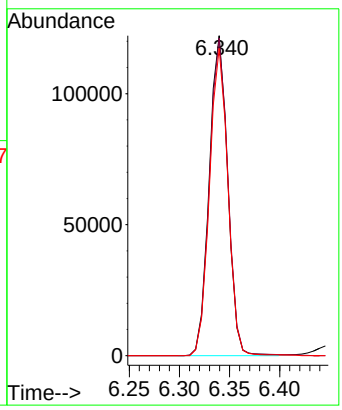


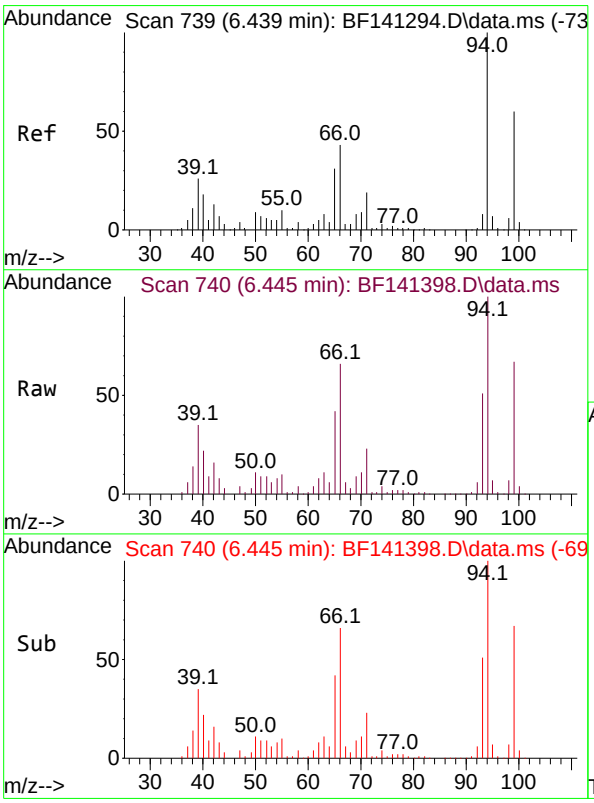
#9
Benzaldehyde
Concen: 37.226 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 156434

Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.4	119.4
106	96.0	74.6	114.6

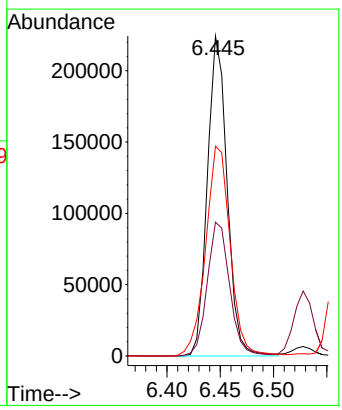


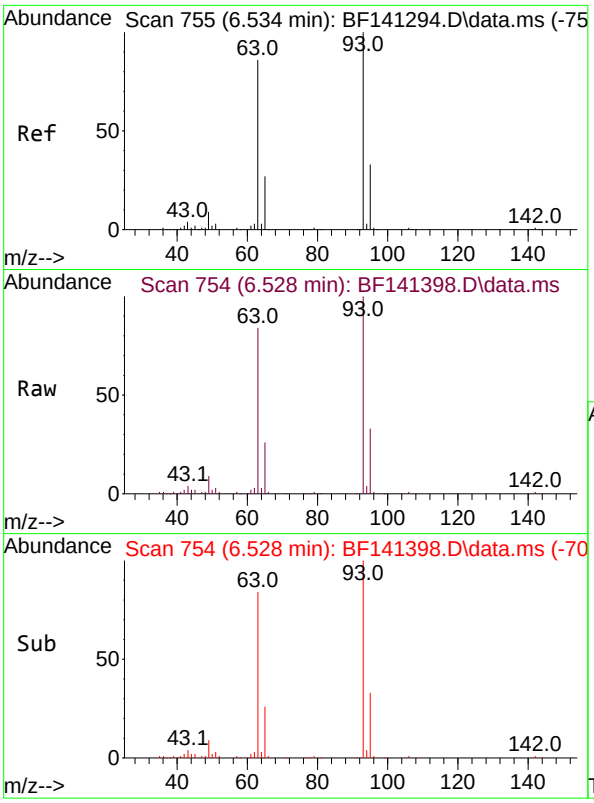


#10
Phenol
Concen: 37.574 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 94 Resp: 288967

Ion	Ratio	Lower	Upper
94	100		
65	41.8	10.8	50.8
66	65.6	23.3	63.3#



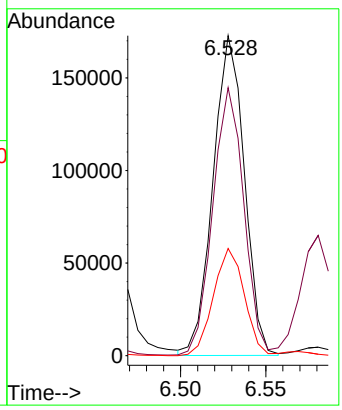


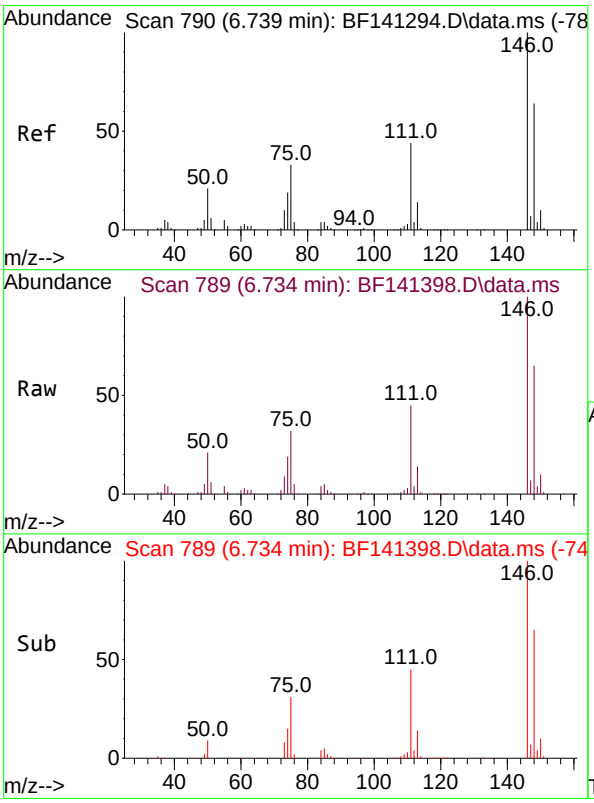
#11
bis(2-Chloroethyl)ether
Concen: 37.487 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 221049

Ion	Ratio	Lower	Upper
93	100		
63	83.7	65.0	105.0
95	33.5	12.4	52.4

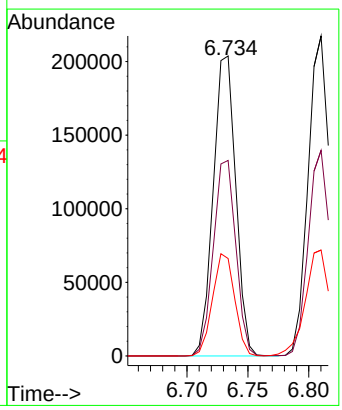


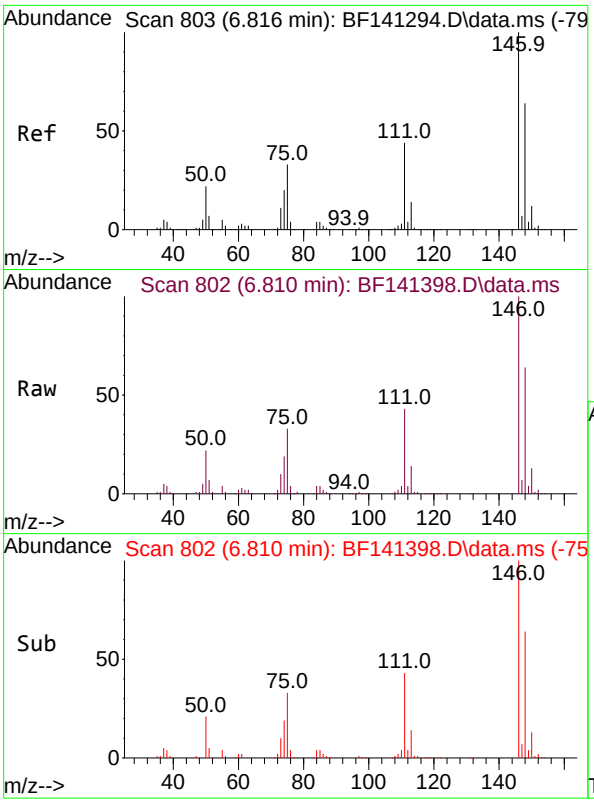


#12
1,3-Dichlorobenzene
Concen: 39.009 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:146 Resp: 262908

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.2	76.8
75	32.5	26.2	39.4



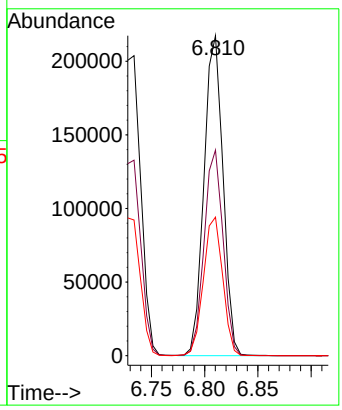


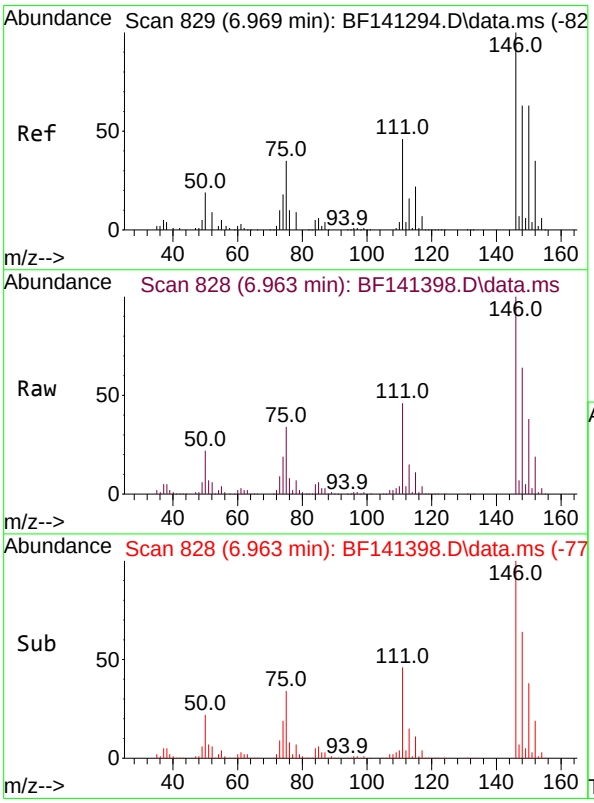
#13
1,4-Dichlorobenzene
Concen: 39.806 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 269514

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
111	43.3	35.0	52.4

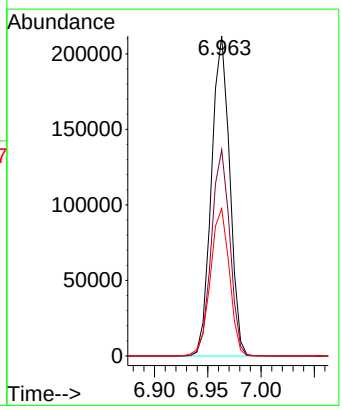


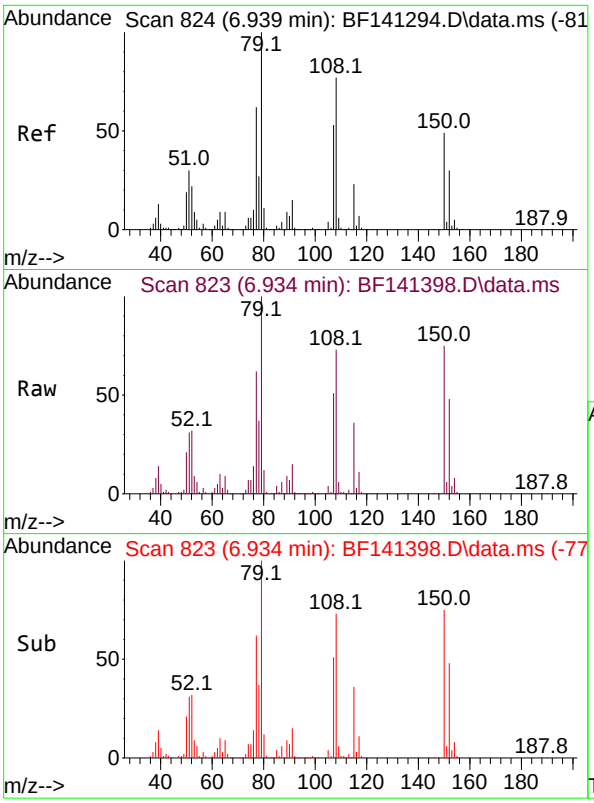


#14
1,2-Dichlorobenzene
Concen: 39.708 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:146 Resp: 251753

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
111	46.1	36.6	55.0



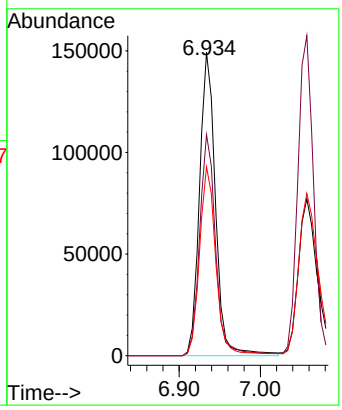


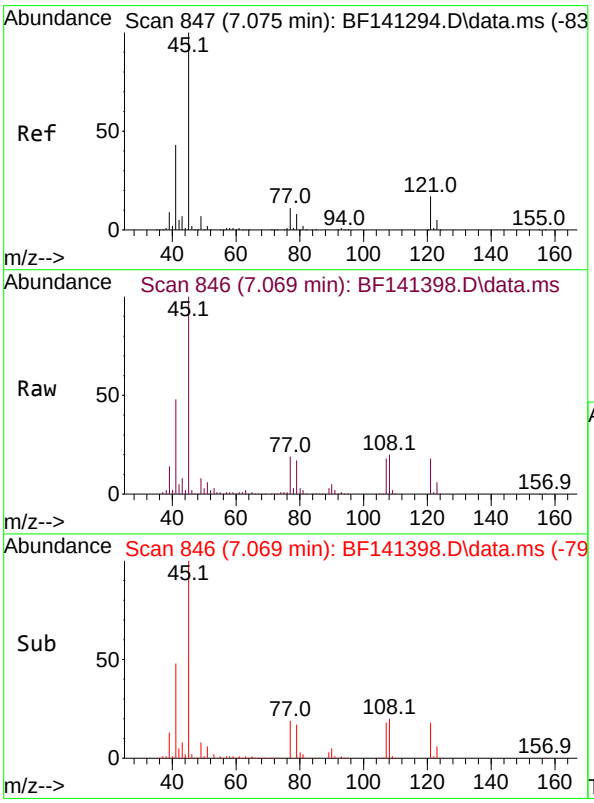
#15
Benzyl Alcohol
Concen: 41.142 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 203978

Ion	Ratio	Lower	Upper
79	100		
108	72.9	61.4	92.0
77	62.3	49.9	74.9

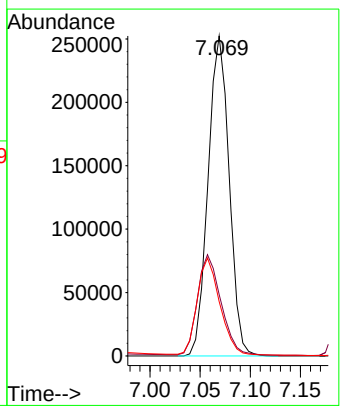


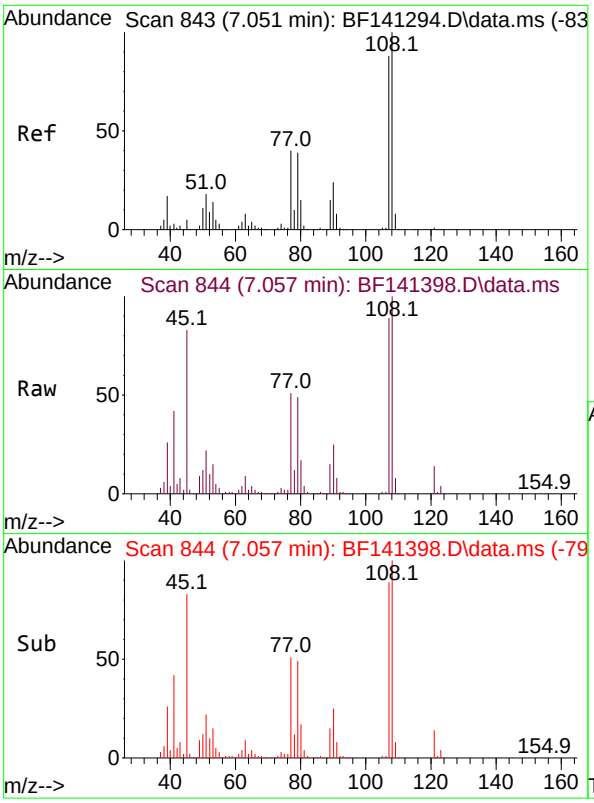


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.004 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 45 Resp: 369176

Ion	Ratio	Lower	Upper
45	100		
77	19.2	0.0	31.8
79	17.0	0.0	29.1



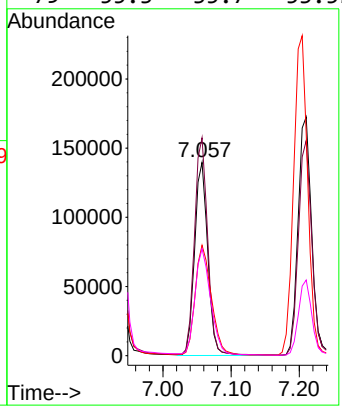


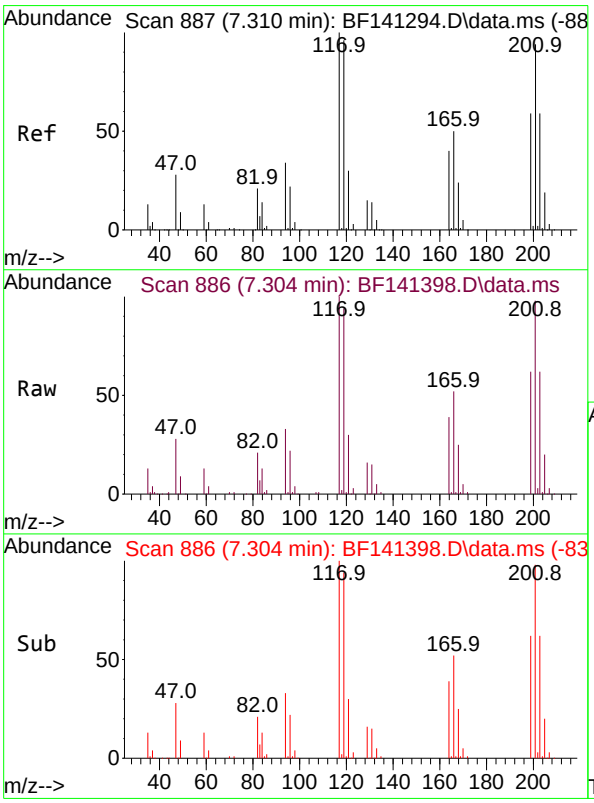
#17
2-Methylphenol
Concen: 37.854 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 188055

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.8	136.2
77	57.1	36.2	54.4#
79	55.3	35.7	53.5#

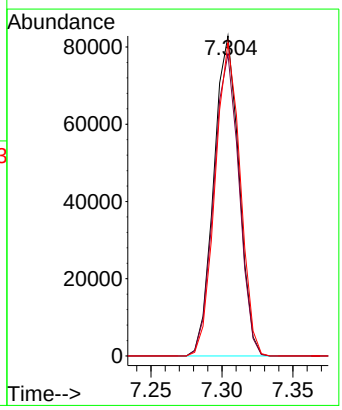


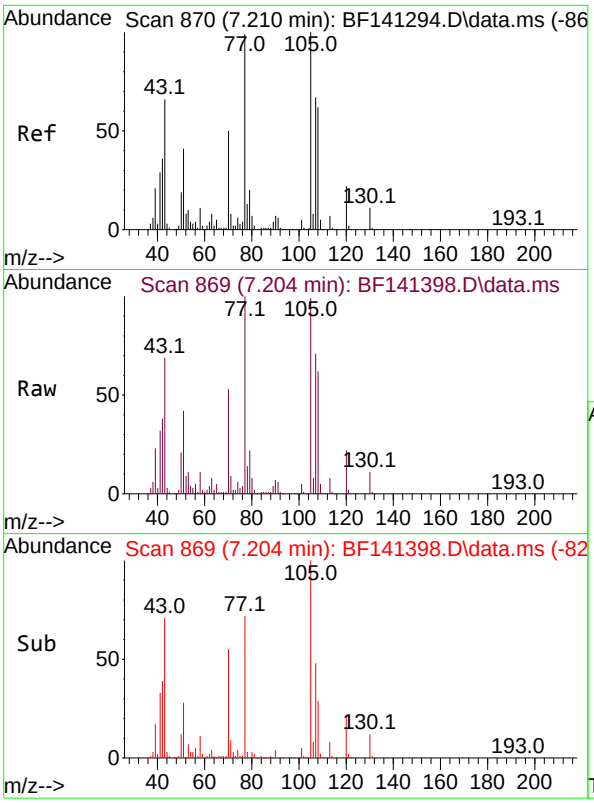


#18
Hexachloroethane
Concen: 40.842 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:117 Resp: 102015

Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	114.8
201	97.9	74.8	112.2



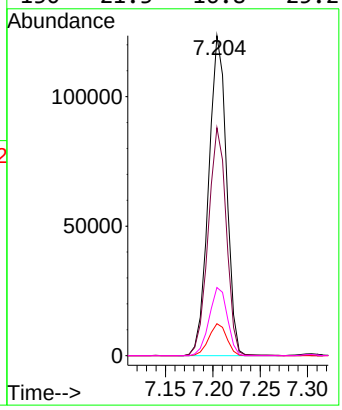


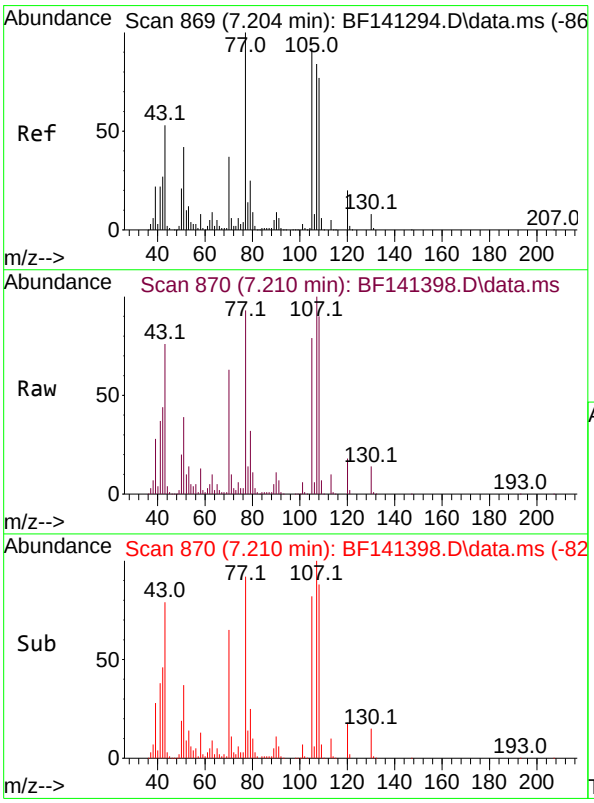
#19
n-Nitroso-di-n-propylamine
Concen: 37.733 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 162661

Ion	Ratio	Lower	Upper
70	100		
42	71.2	56.8	85.2
101	10.0	7.7	11.5
130	21.3	16.8	25.2

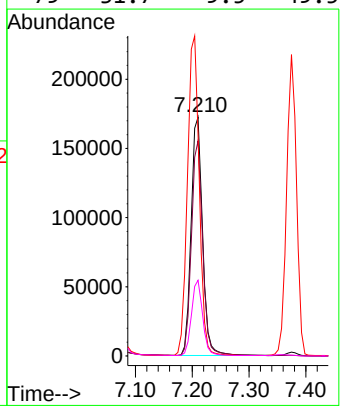


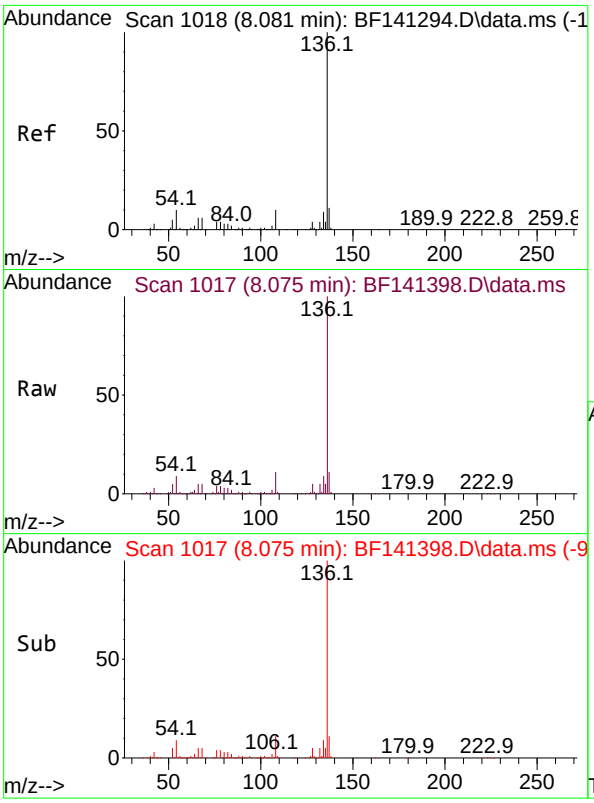


#20
3+4-Methylphenols
Concen: 39.483 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:107 Resp: 240839

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.9	110.9
77	93.0	98.5	138.5#
79	31.7	9.5	49.5



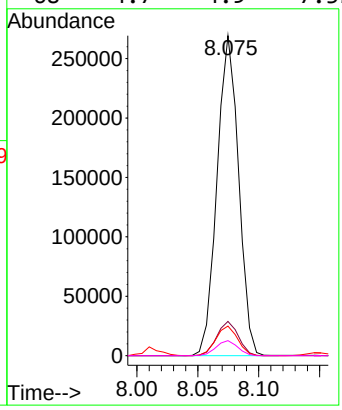


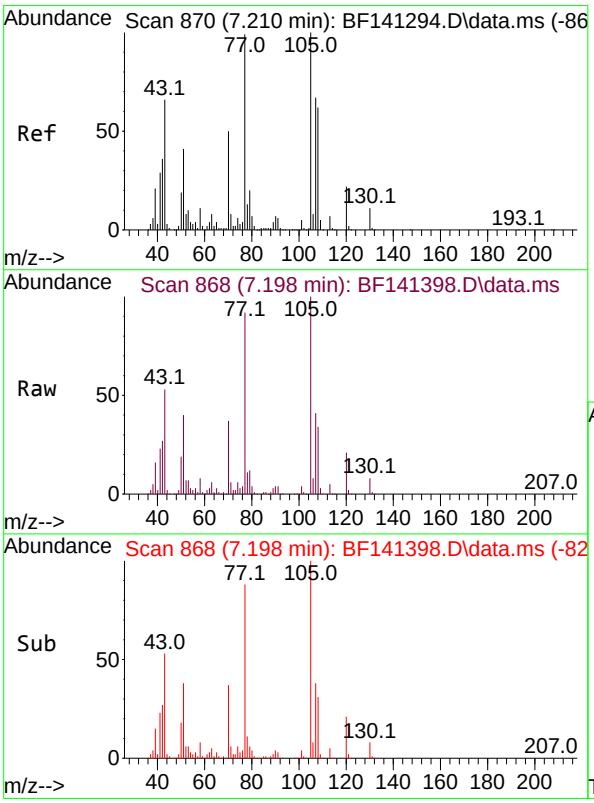
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 331835

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.2	7.8	11.8
68	4.7	4.9	7.3#

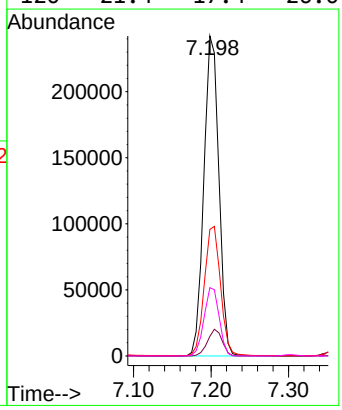


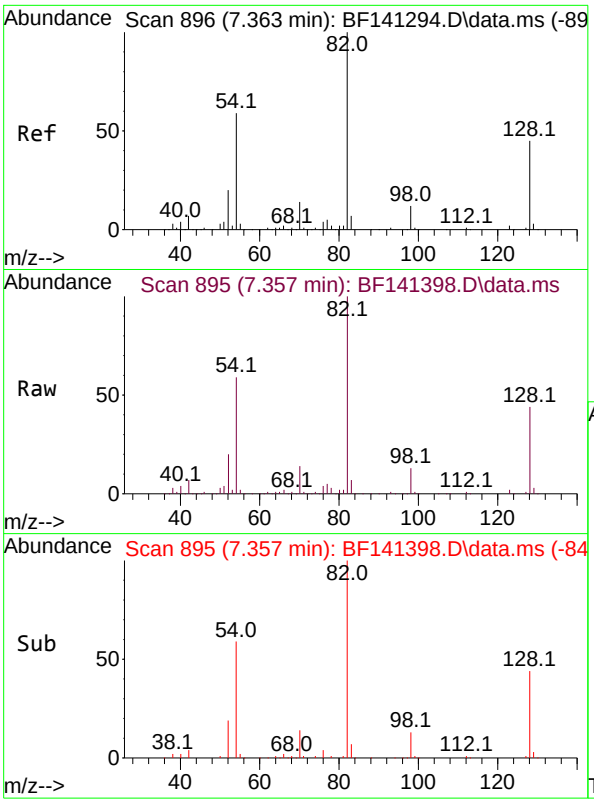


#22
Acetophenone
Concen: 41.351 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:105 Resp: 326166

Ion	Ratio	Lower	Upper
105	100		
71	6.2	6.8	10.2#
51	39.6	32.6	49.0
120	21.4	17.4	26.0



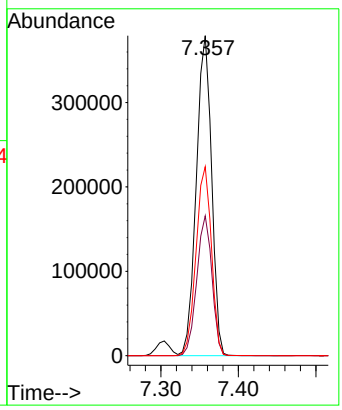


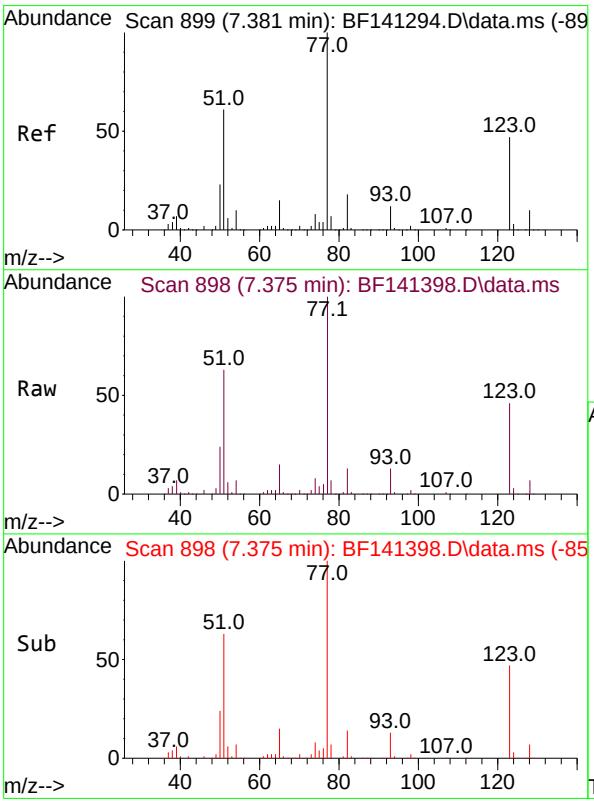
#23
Nitrobenzene-d5
Concen: 82.468 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 519110

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.7	53.5
54	59.0	47.1	70.7

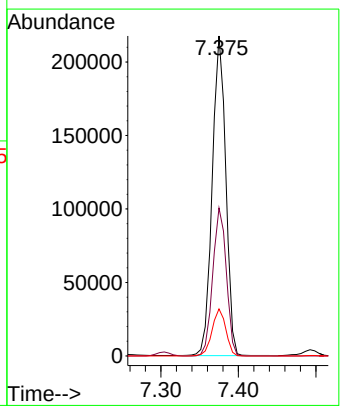


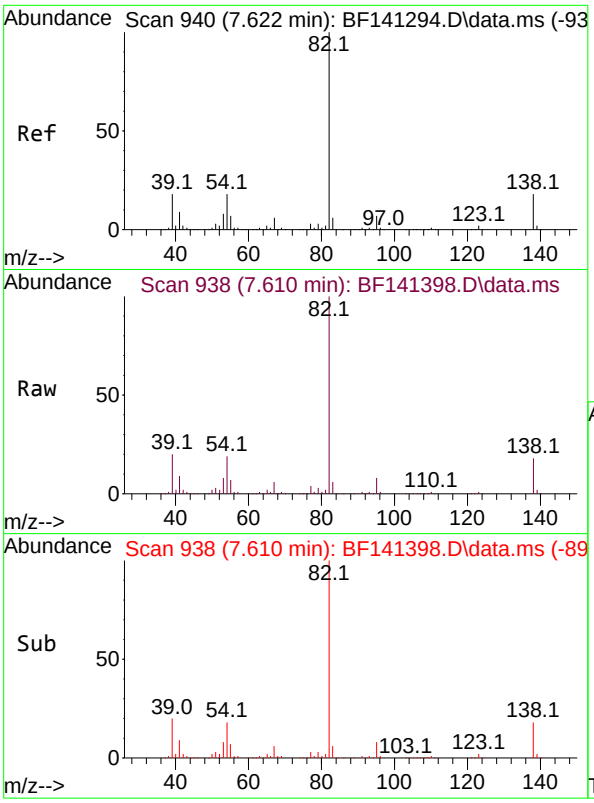


#24
Nitrobenzene
Concen: 40.497 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 77 Resp: 264172

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.3	55.9
65	14.7	11.8	17.6



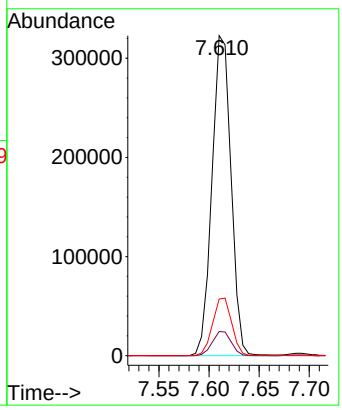


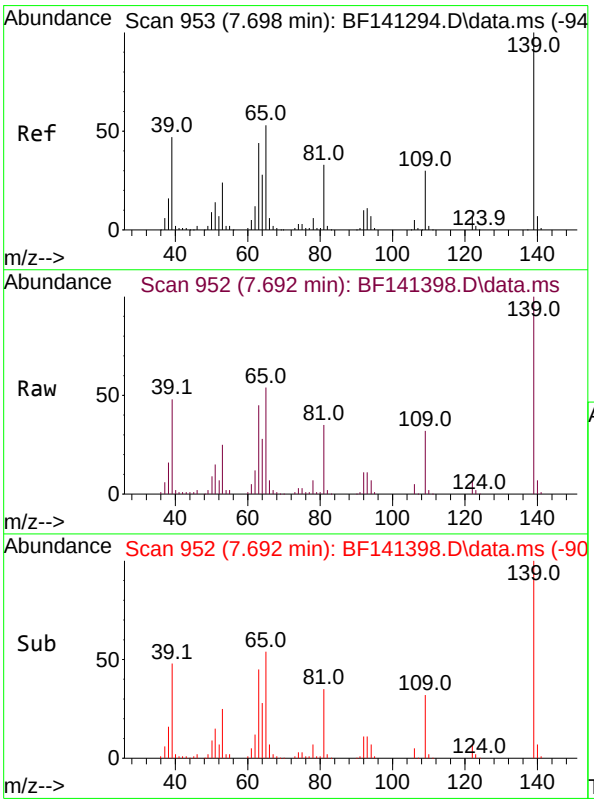
#25
Isophorone
Concen: 39.213 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 426672

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.8	8.6
138	17.7	14.7	22.1

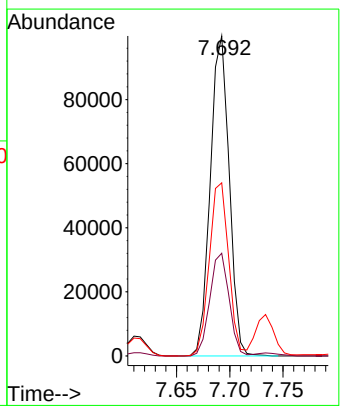


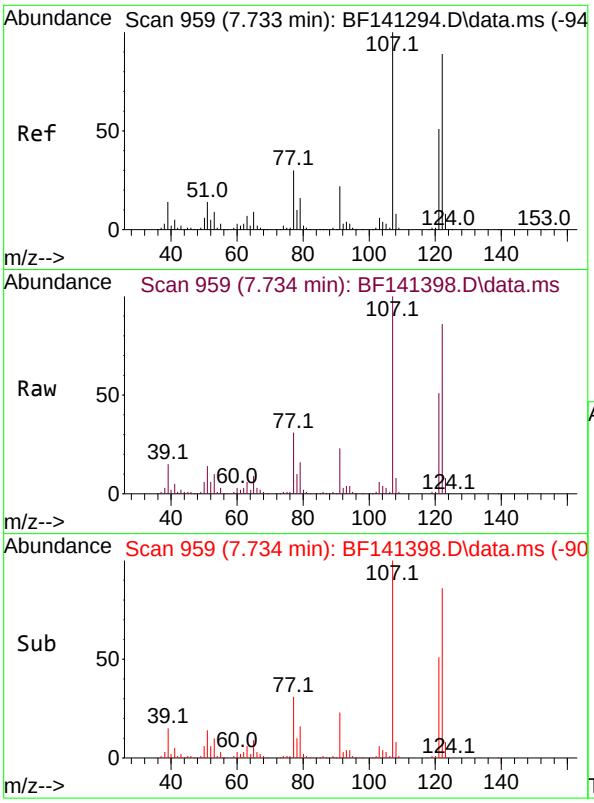


#26
2-Nitrophenol
Concen: 39.973 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:139 Resp: 122977

Ion	Ratio	Lower	Upper
139	100		
109	32.1	23.8	35.6
65	54.1	42.2	63.4



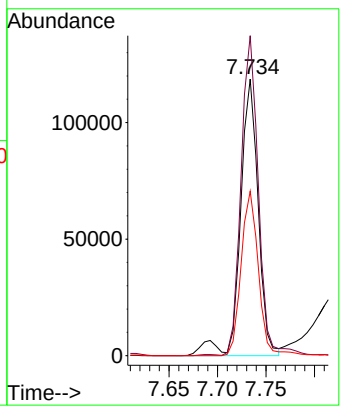


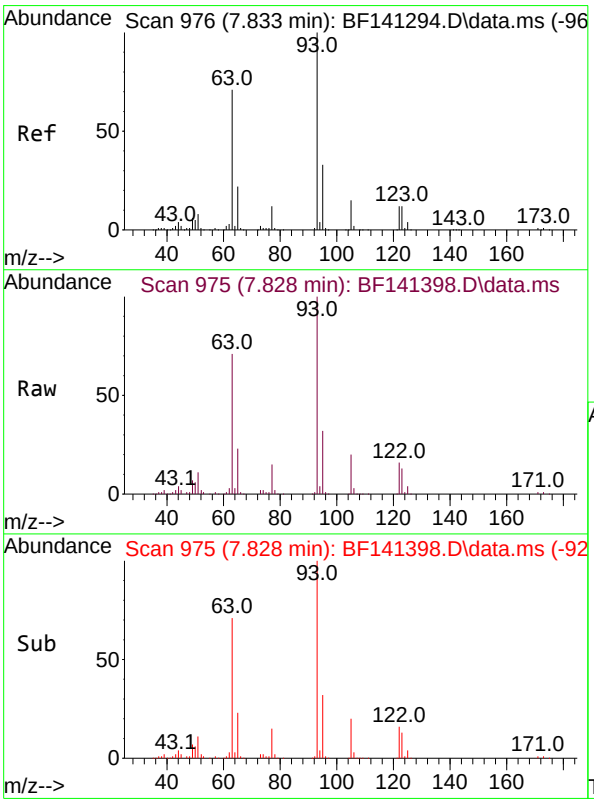
#27
2,4-Dimethylphenol
Concen: 38.904 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 152342

Ion	Ratio	Lower	Upper
122	100		
107	115.7	89.9	134.9
121	59.5	46.1	69.1

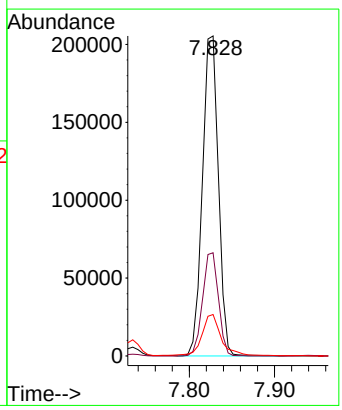


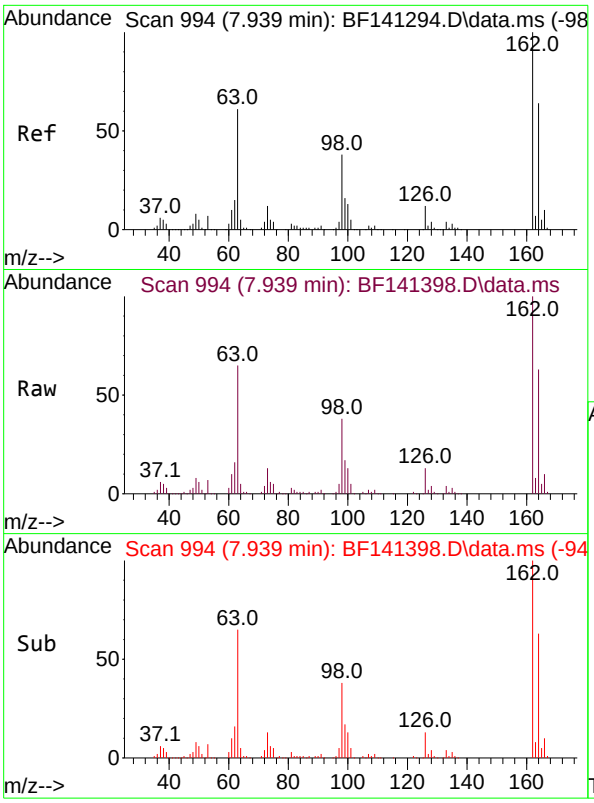


#28
bis(2-Chloroethoxy)methane
Concen: 38.495 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 93 Resp: 267181

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.2
123	13.0	10.2	15.4



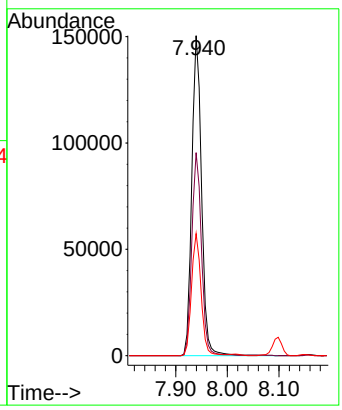


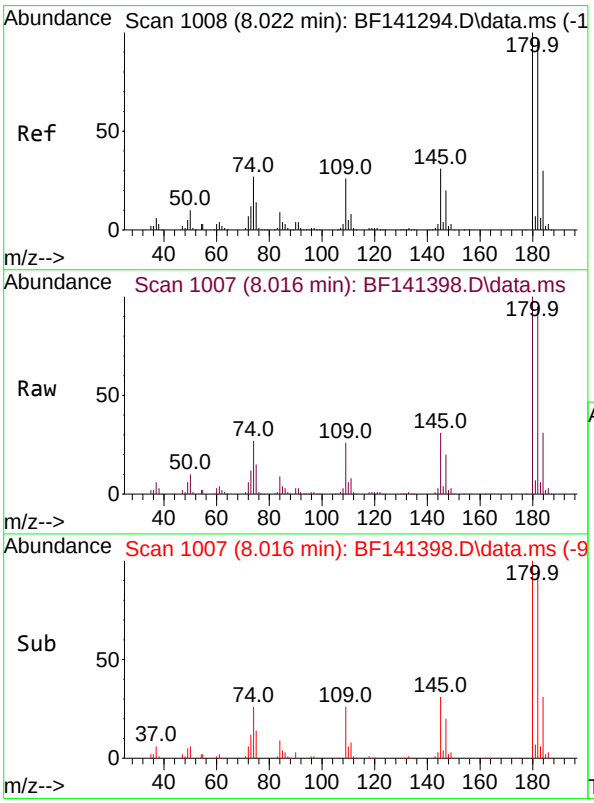
#29
2,4-Dichlorophenol
Concen: 41.025 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 196668

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.2	84.2
98	38.2	18.2	58.2

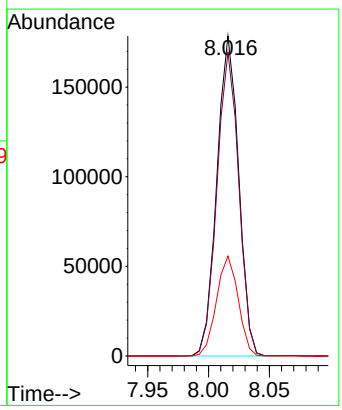


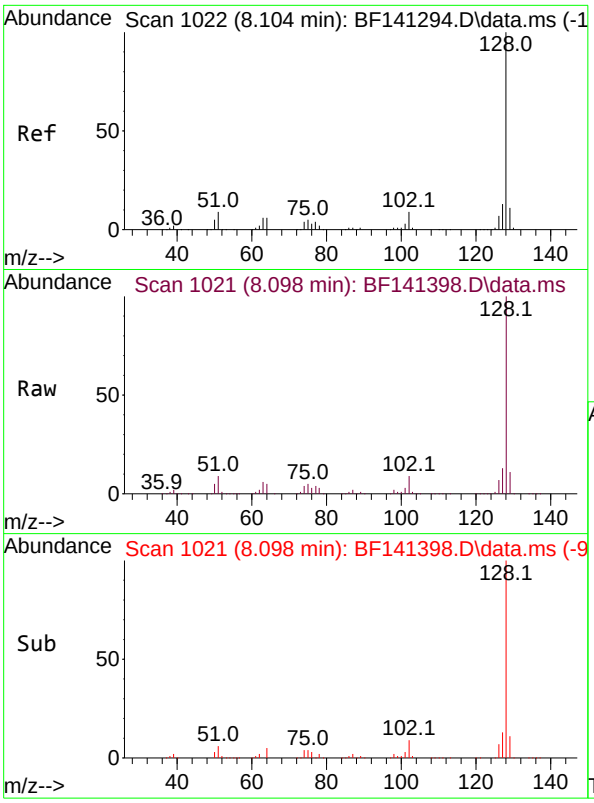


#30
1,2,4-Trichlorobenzene
Concen: 40.631 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:180 Resp: 222442

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
145	31.2	24.9	37.3



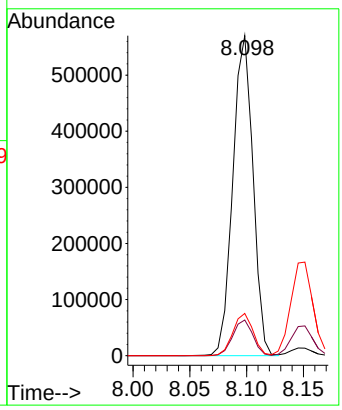


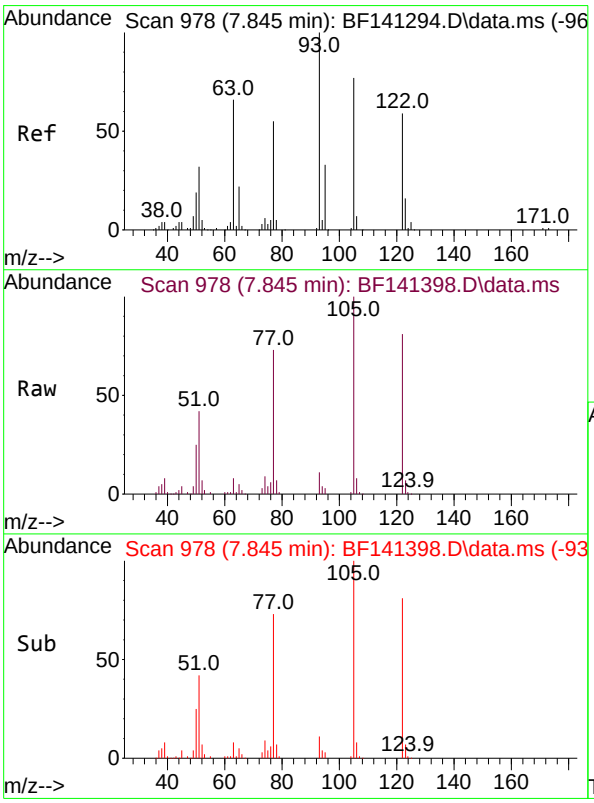
#31
Naphthalene
Concen: 40.155 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 703917

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

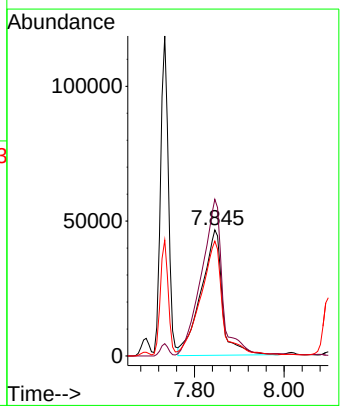


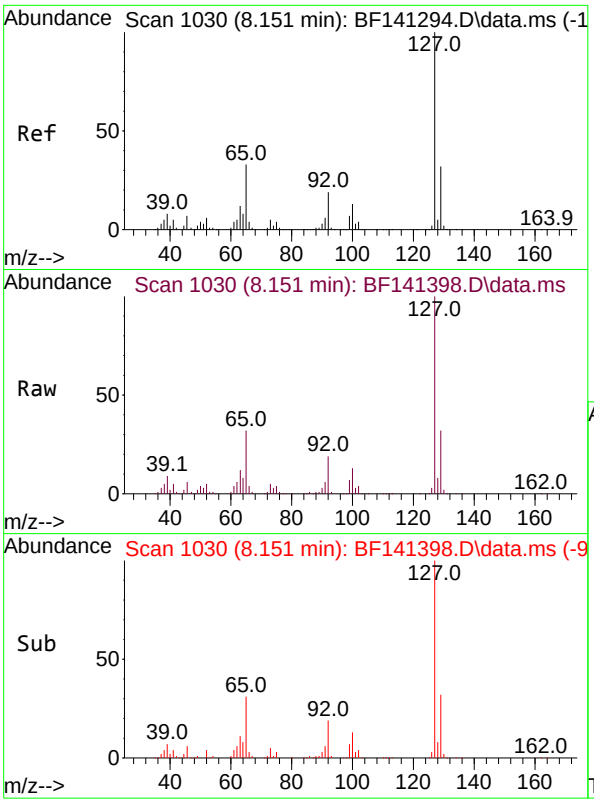


#32
Benzoic acid
Concen: 42.292 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:122 Resp: 152241

Ion	Ratio	Lower	Upper
122	100		
105	124.2	103.4	143.4
77	91.1	70.9	110.9



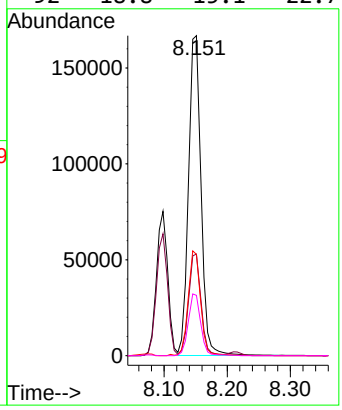


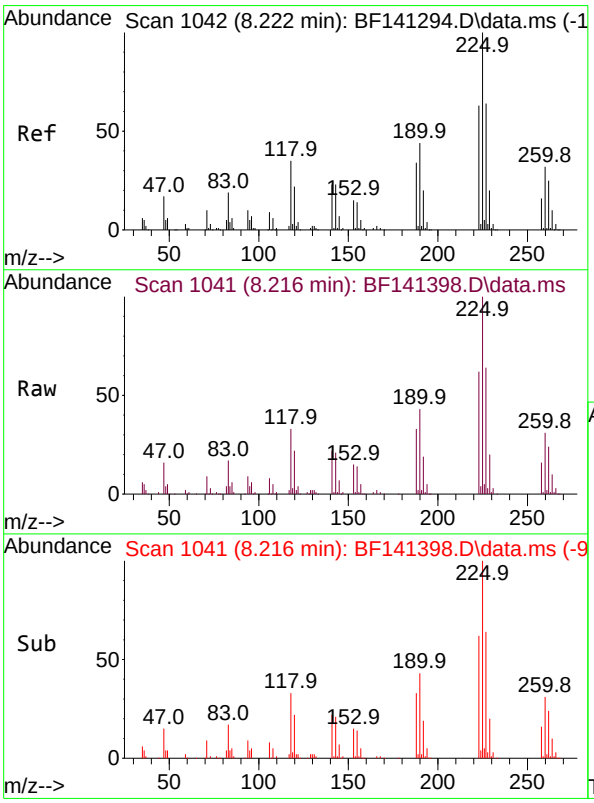
#33
4-Chloroaniline
Concen: 38.783 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 230545

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	31.7	26.4	39.6
92	18.8	15.1	22.7

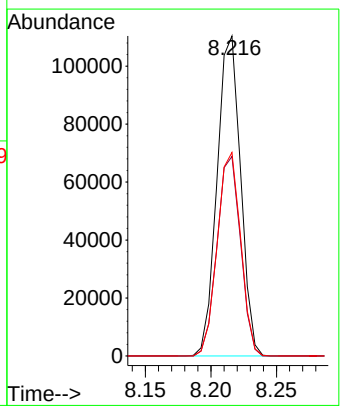


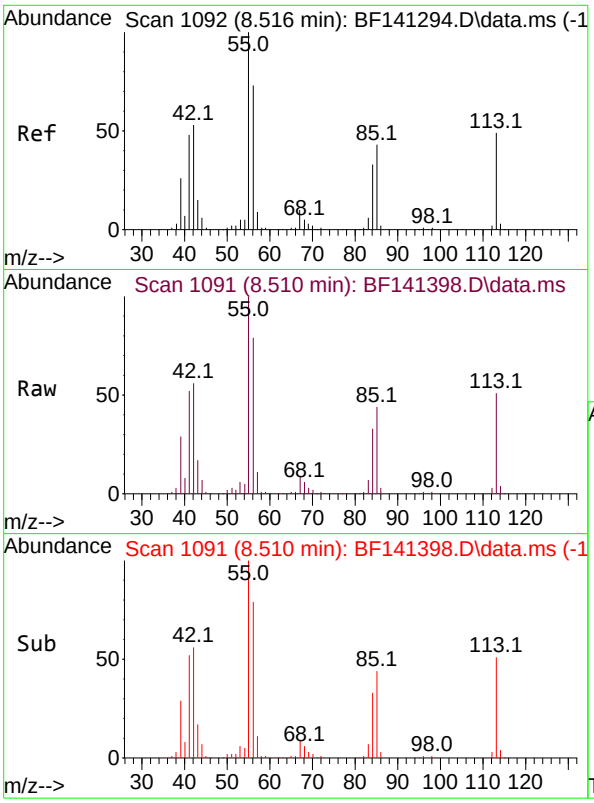


#34
Hexachlorobutadiene
Concen: 42.897 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:225 Resp: 137723

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.4	75.6
227	63.6	51.3	76.9



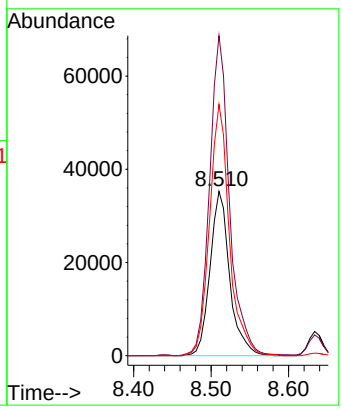


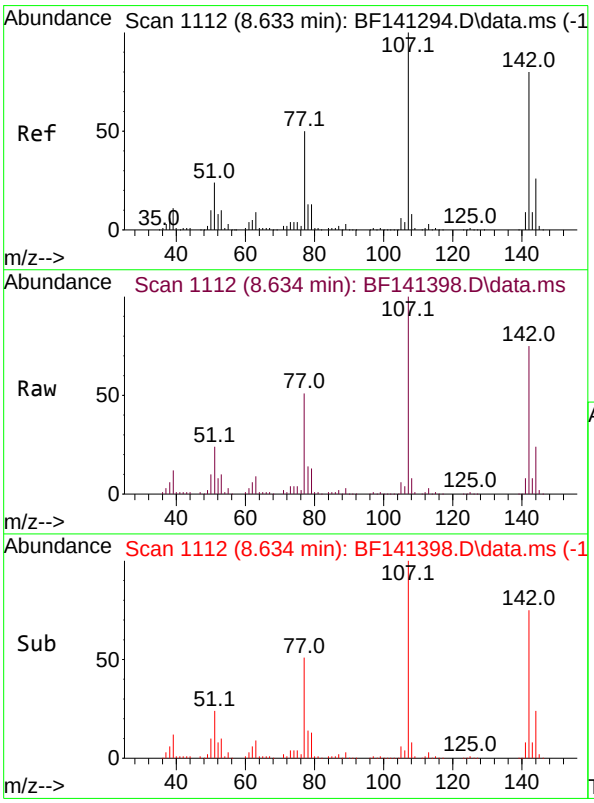
#35
Caprolactam
Concen: 39.634 ng
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 62051

Ion	Ratio	Lower	Upper
113	100		
55	194.6	182.9	222.9
56	152.9	127.9	167.9

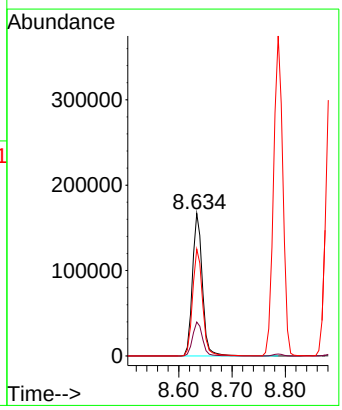


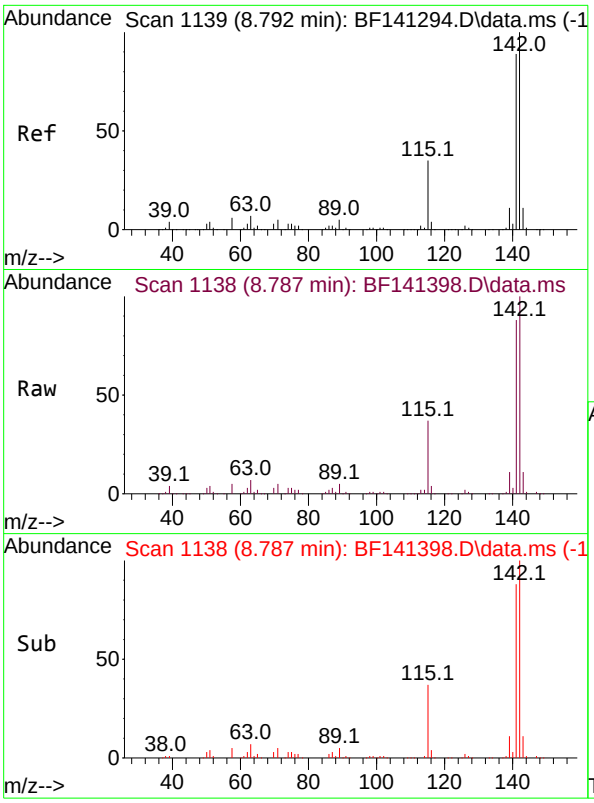


#36
4-Chloro-3-methylphenol
Concen: 42.000 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:107 Resp: 215967

Ion	Ratio	Lower	Upper
107	100		
144	23.9	20.7	31.1
142	75.0	63.8	95.8



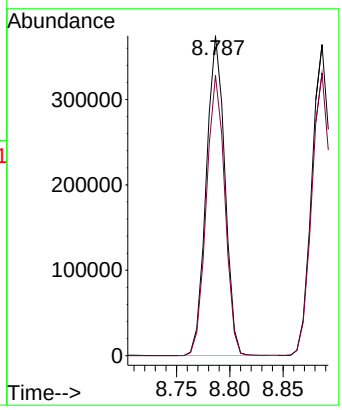


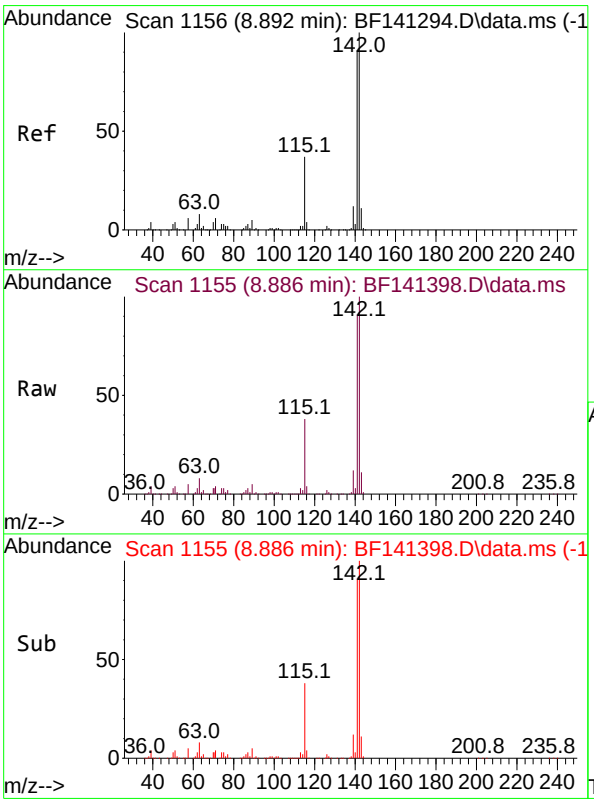
#37
2-Methylnaphthalene
Concen: 40.722 ng
RT: 8.787 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 453714

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9

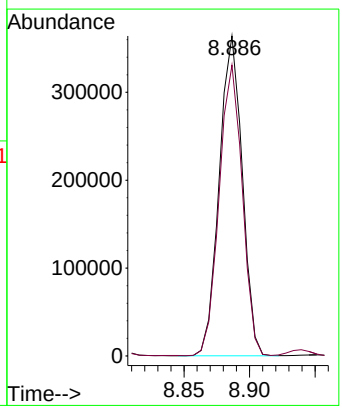


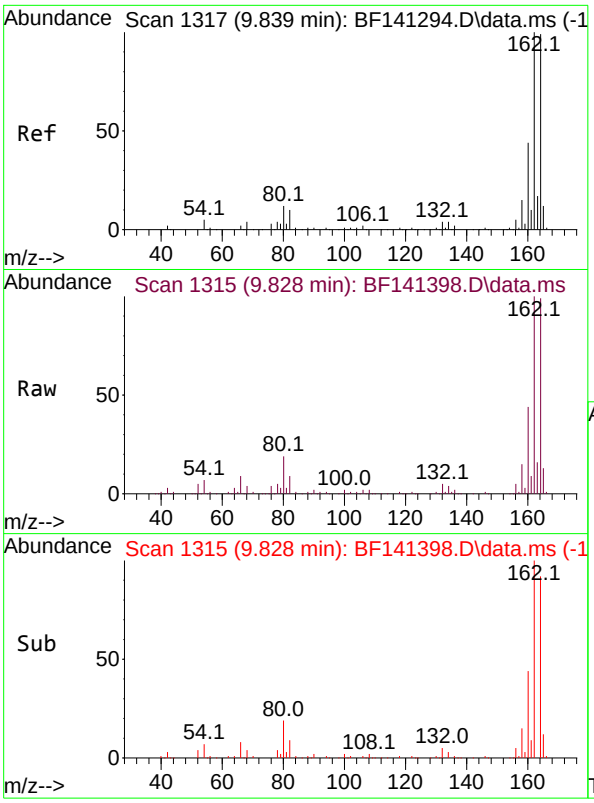


#38
1-Methylnaphthalene
Concen: 40.487 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:142 Resp: 443121

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.2	109.8



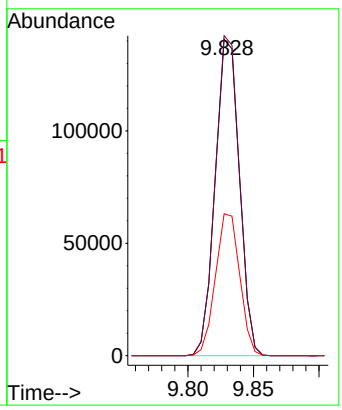


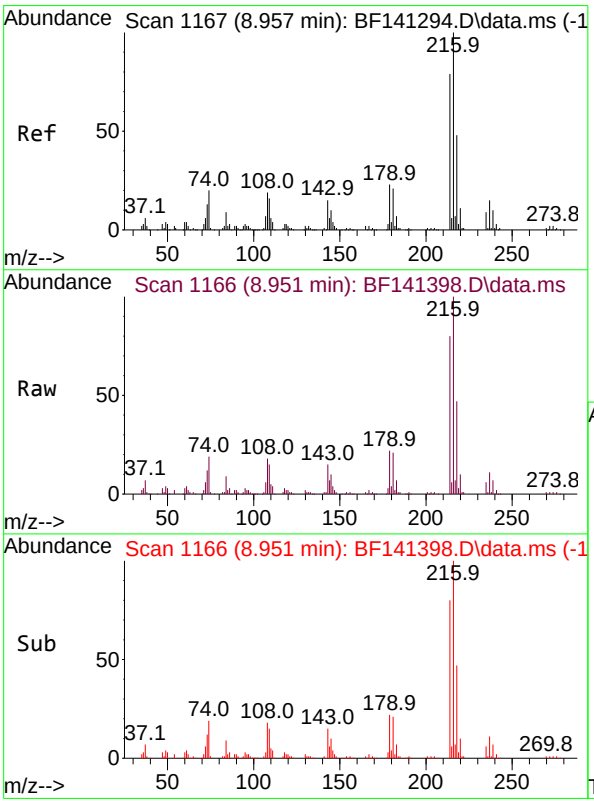
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 180473

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	121.0
160	44.8	35.8	53.6

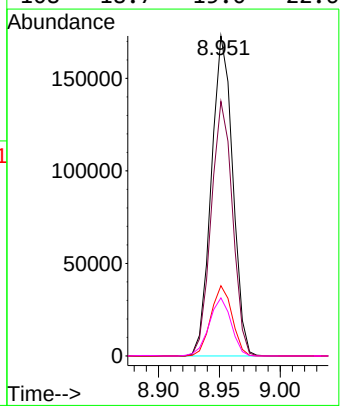


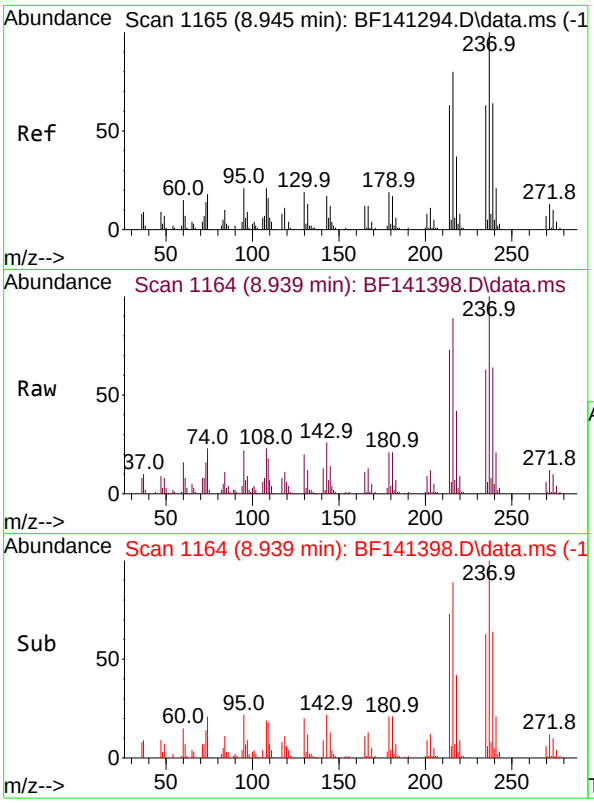


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.257 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:216 Resp: 211825

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	21.7	17.8	26.8
108	18.7	15.0	22.6



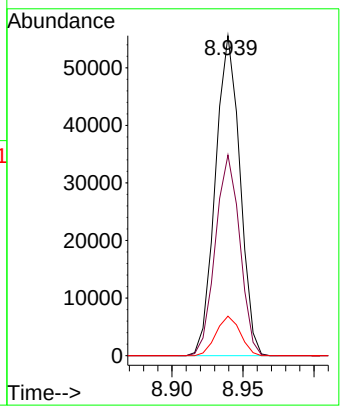


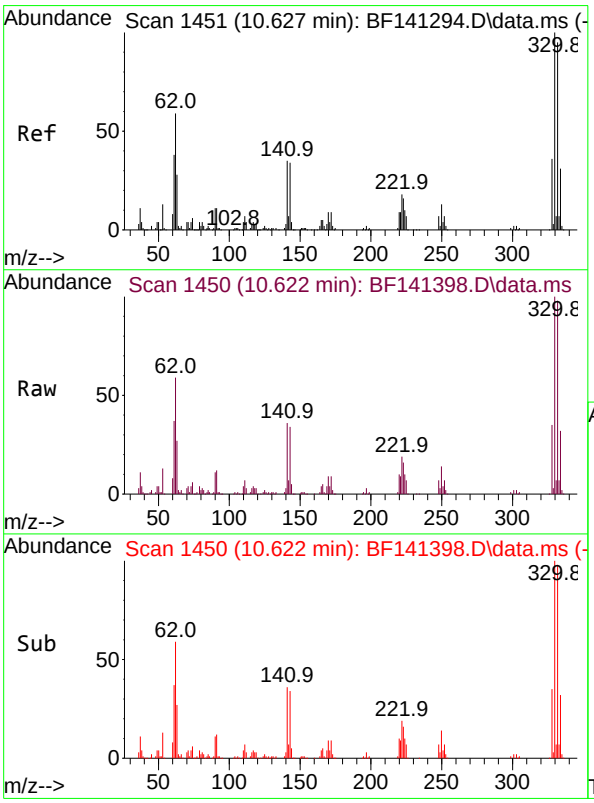
#41
Hexachlorocyclopentadiene
Concen: 43.974 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 66678

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.9	82.9
272	12.4	0.0	32.8

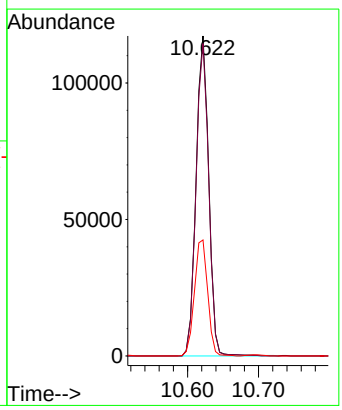


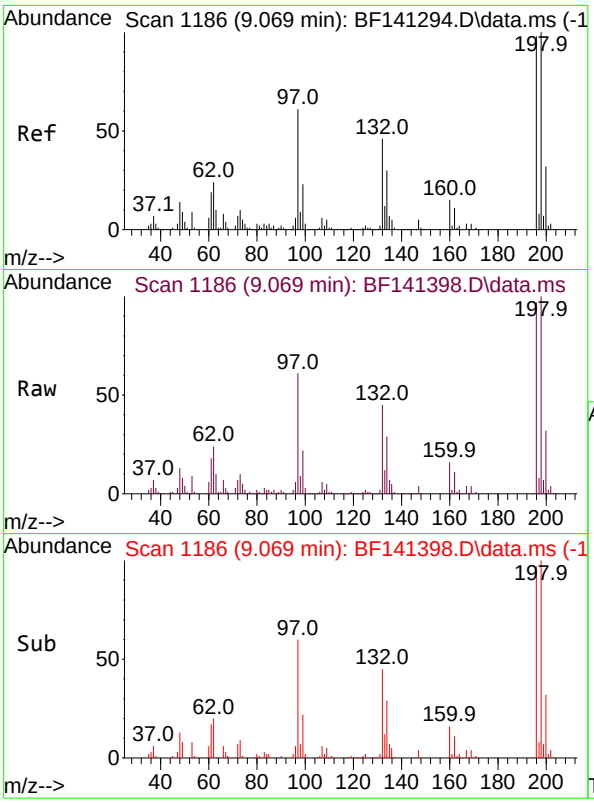


#42
2,4,6-Tribromophenol
Concen: 88.147 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:330 Resp: 145841

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.1	114.1
141	37.8	28.8	43.2



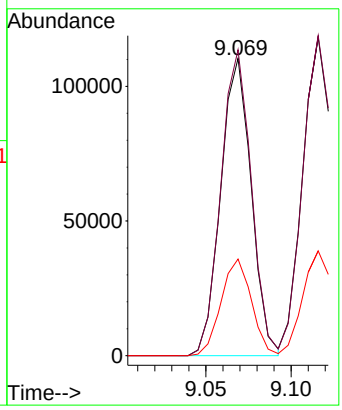


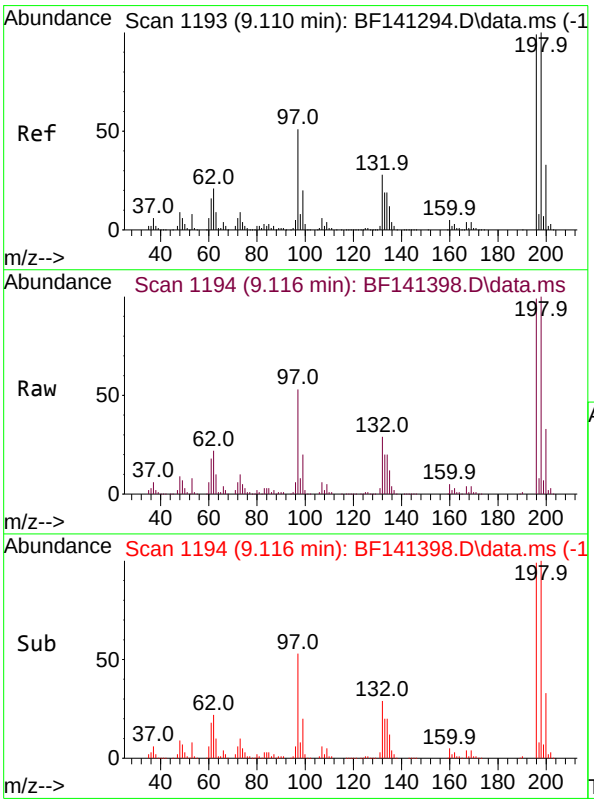
#43
2,4,6-Trichlorophenol
Concen: 41.007 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 137805

Ion	Ratio	Lower	Upper
196	100		
198	102.9	81.8	122.6
200	32.5	26.3	39.5

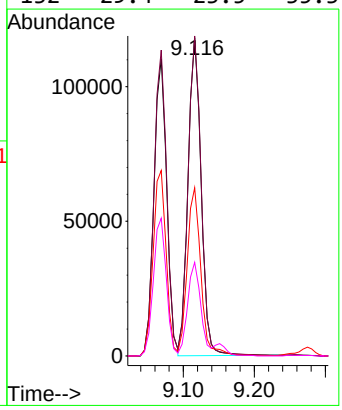


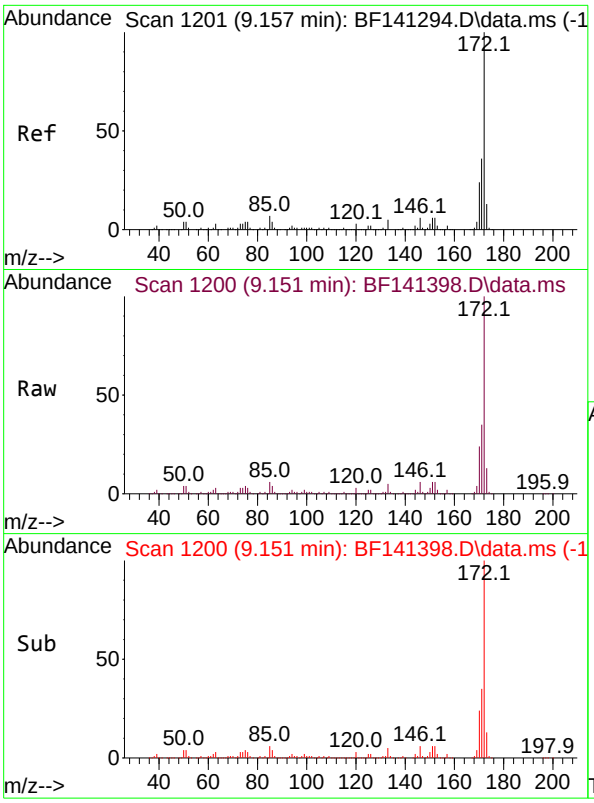


#44
2,4,5-Trichlorophenol
Concen: 41.577 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:196 Resp: 152071

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.5	120.7
97	52.8	42.8	64.2
132	29.4	23.5	35.3



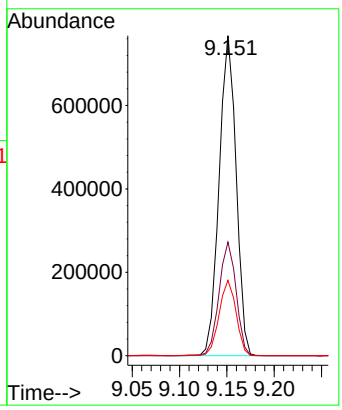


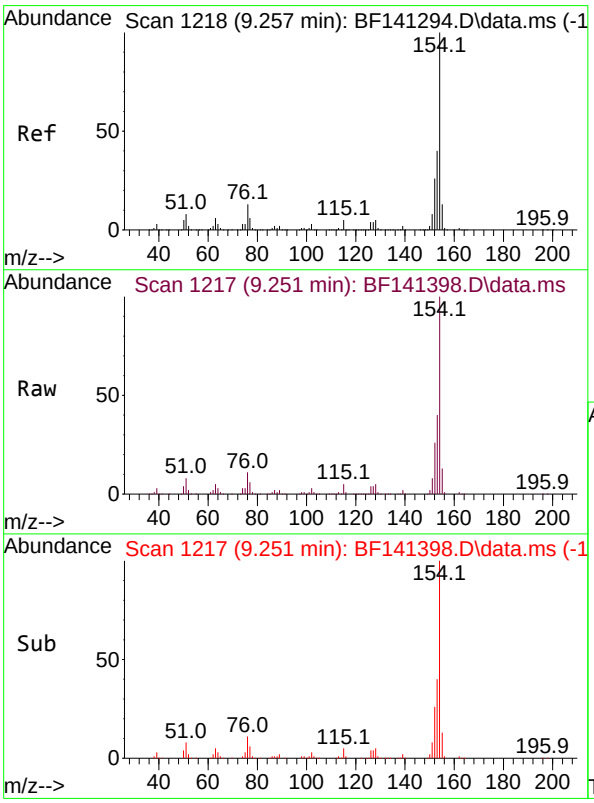
#45
2-Fluorobiphenyl
Concen: 81.771 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 958786

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.5	19.0	28.6

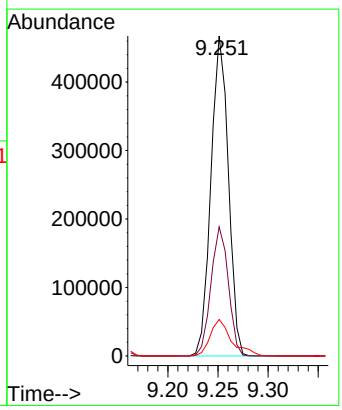


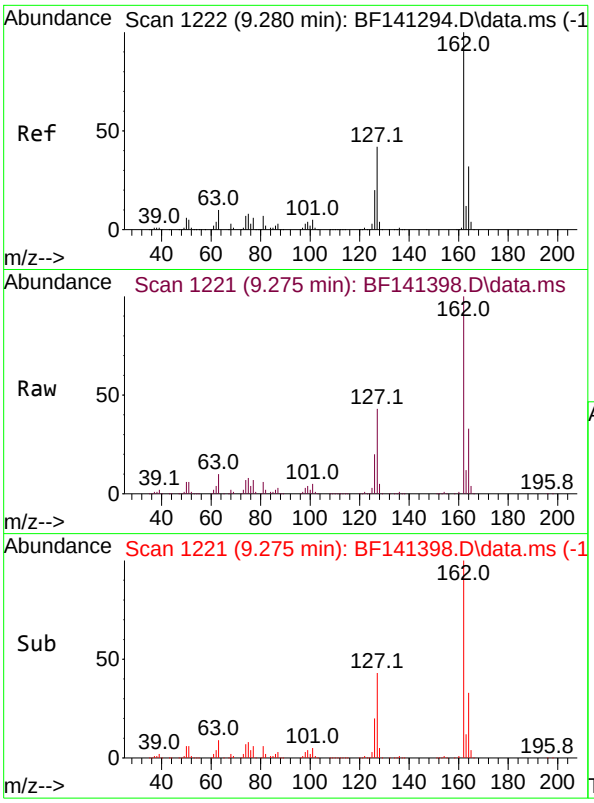


#46
1,1'-Biphenyl
Concen: 40.089 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:154 Resp: 564241

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.0	60.0
76	11.4	0.0	32.8



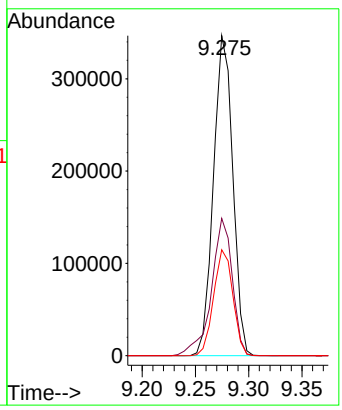


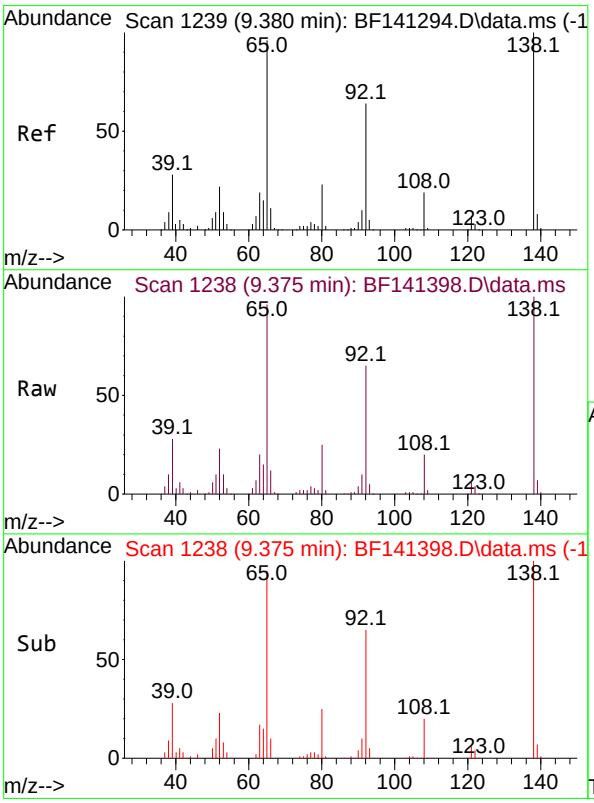
#47
2-Chloronaphthalene
Concen: 39.785 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 436455

Ion	Ratio	Lower	Upper
162	100		
127	42.9	33.7	50.5
164	33.1	25.9	38.9

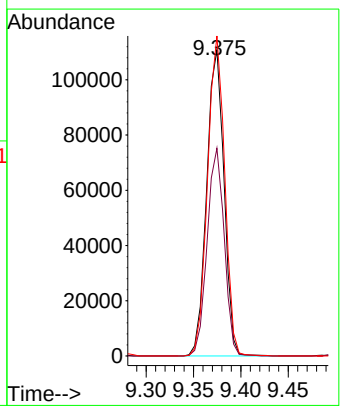


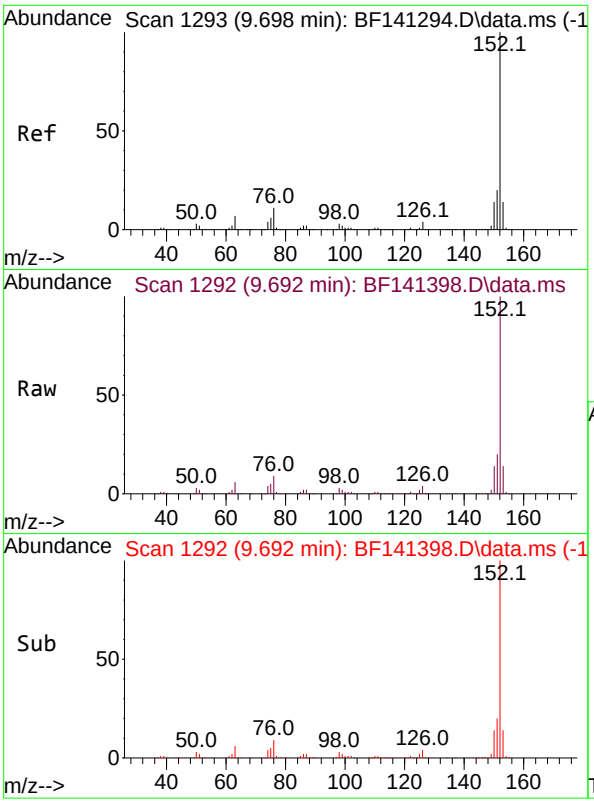


#48
2-Nitroaniline
Concen: 40.764 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion: 65 Resp: 140664

Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.3	79.9
138	104.5	83.6	125.4



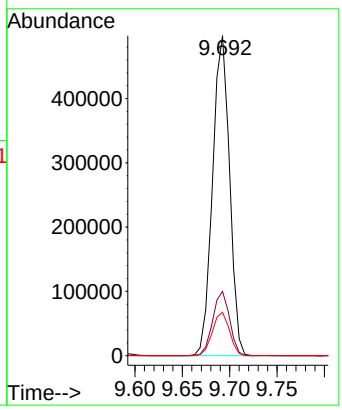


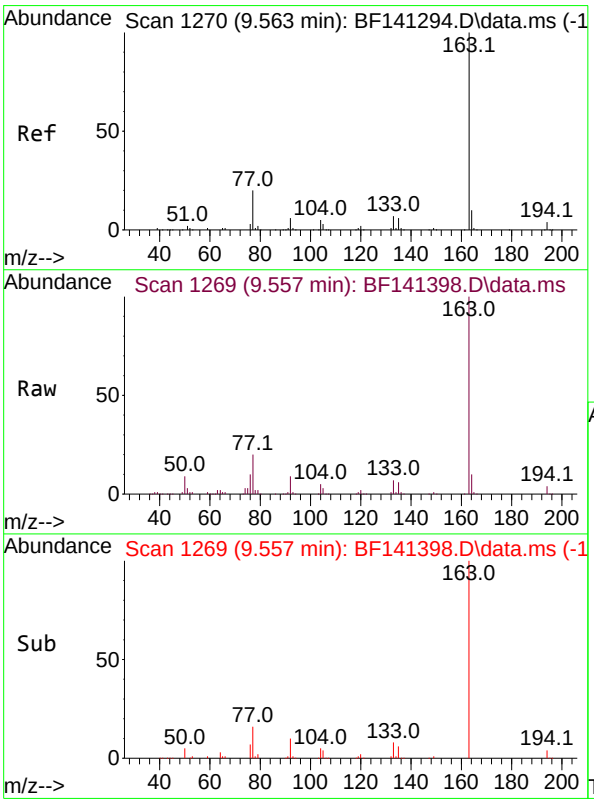
#49
Acenaphthylene
Concen: 40.360 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 619791

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.6	11.0	16.6

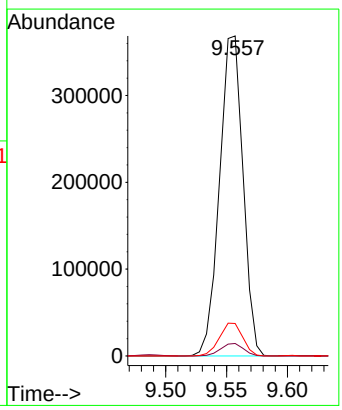


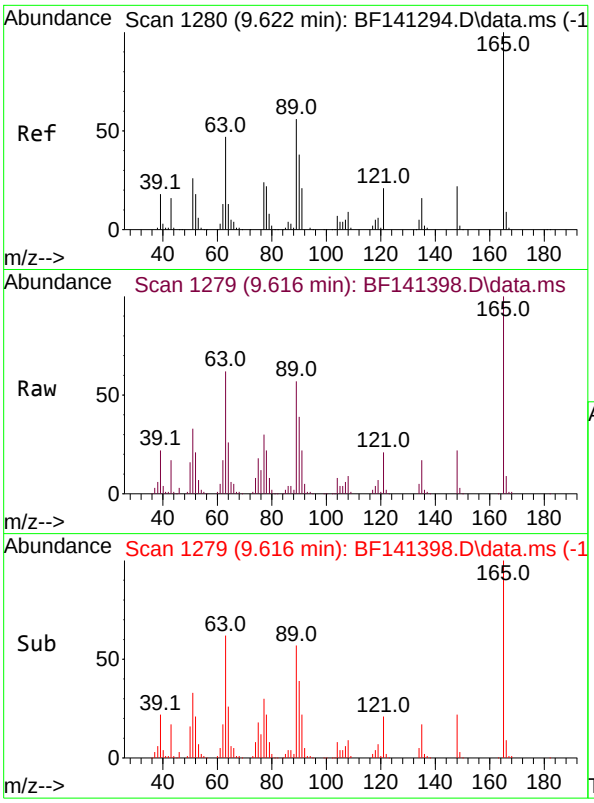


#50
Dimethylphthalate
Concen: 40.604 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:163 Resp: 494930

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.0	12.0



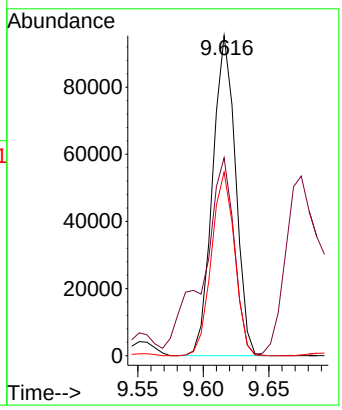


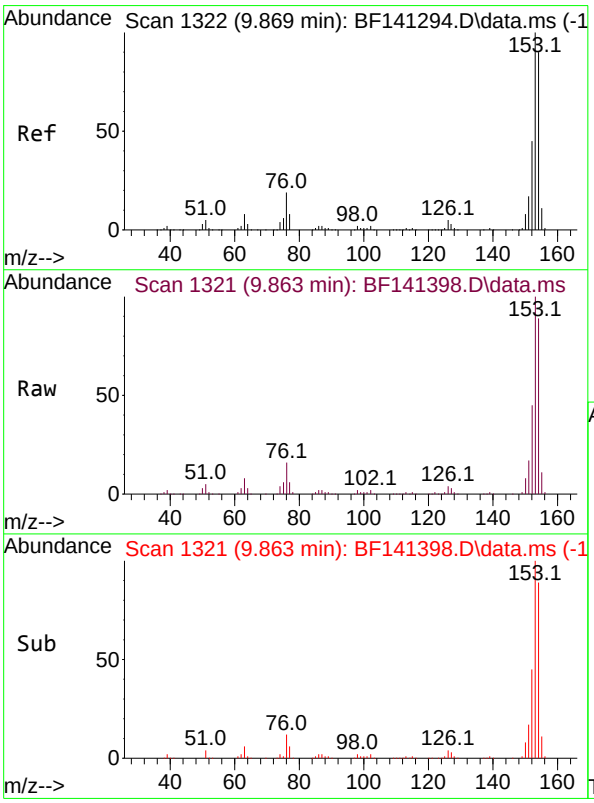
#51
2,6-Dinitrotoluene
Concen: 40.929 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 115835

Ion	Ratio	Lower	Upper
165	100		
63	61.9	48.1	72.1
89	57.4	44.9	67.3

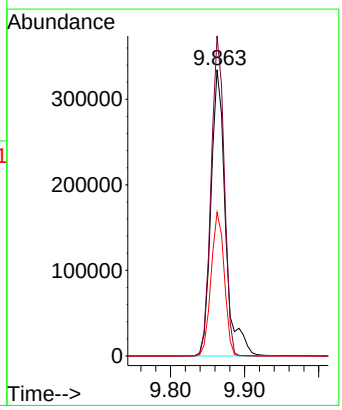


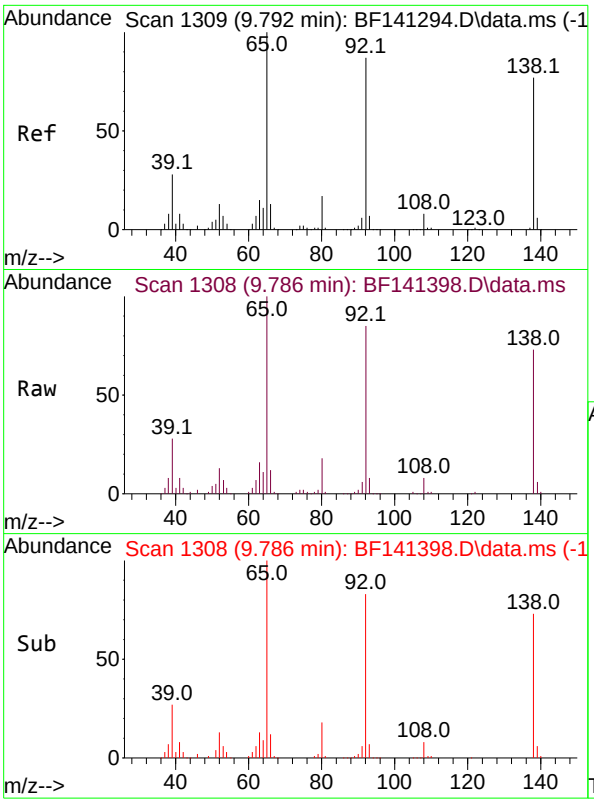


#52
Acenaphthene
Concen: 41.328 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:154 Resp: 453408

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.2	40.2	60.4



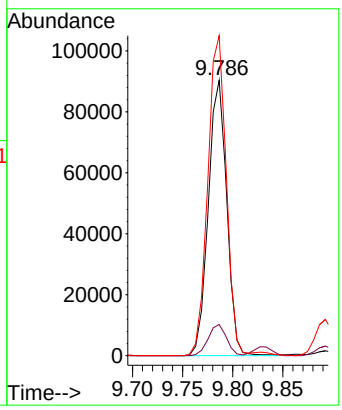


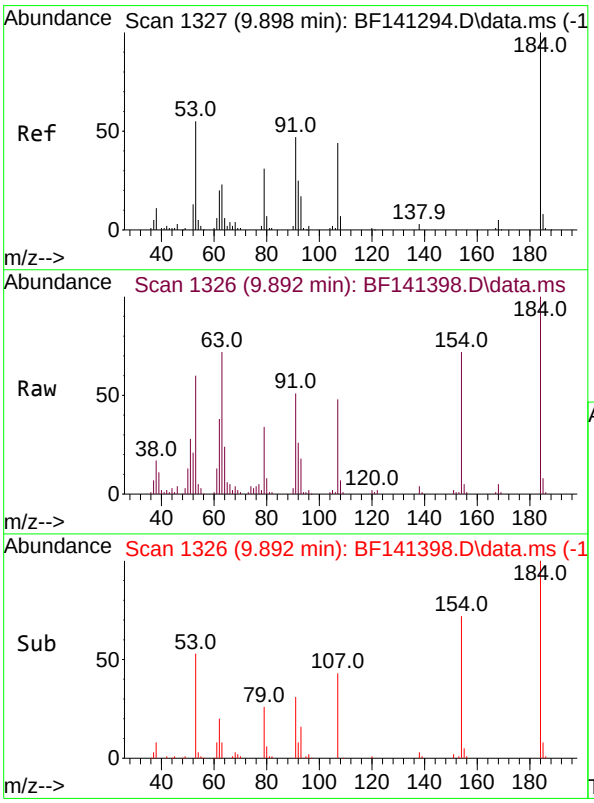
#53
3-Nitroaniline
Concen: 41.746 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 115797

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.6	12.8
92	116.2	91.0	136.6

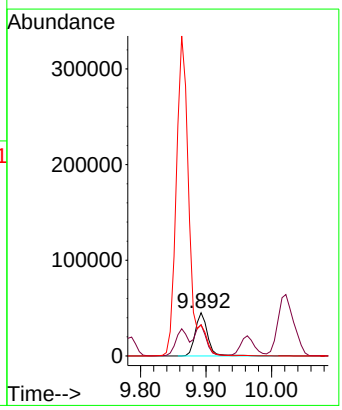


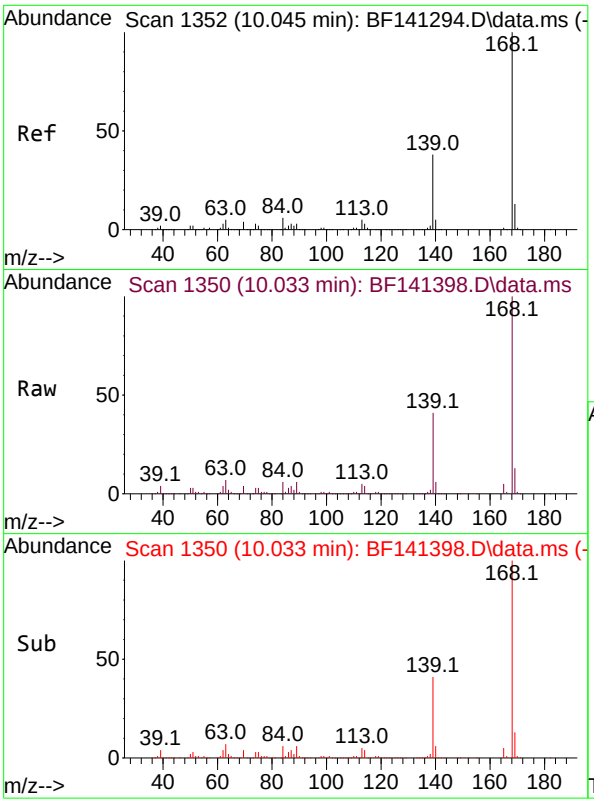


#54
2,4-Dinitrophenol
Concen: 45.240 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:184 Resp: 59519

Ion	Ratio	Lower	Upper
184	100		
63	72.2	54.1	81.1
154	71.9	50.7	76.1



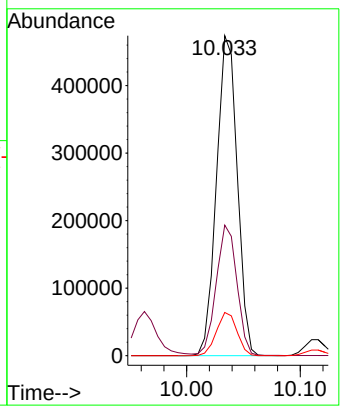


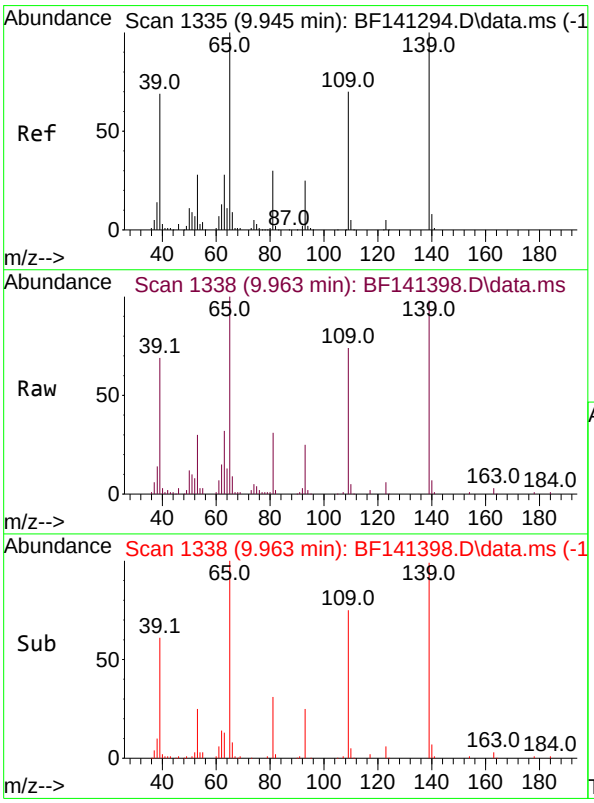
#55
Dibenzofuran
Concen: 41.022 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 602409

Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.6	46.0
169	13.5	10.8	16.2

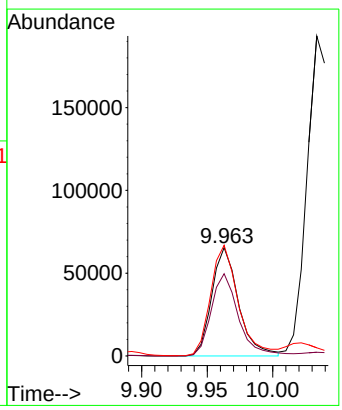


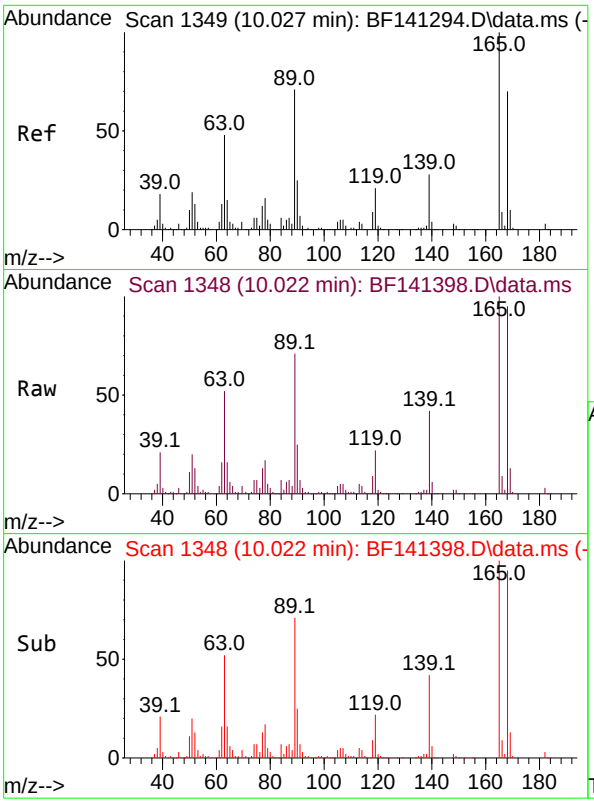


#56
4-Nitrophenol
Concen: 45.798 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:139 Resp: 92908

Ion	Ratio	Lower	Upper
139	100		
109	76.0	50.2	90.2
65	102.3	80.6	120.6



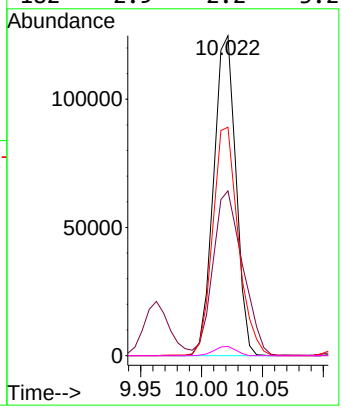


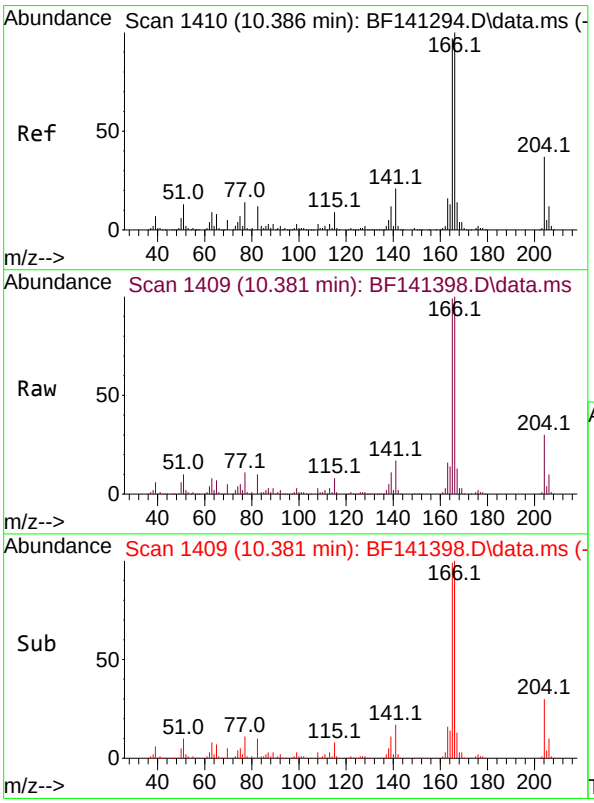
#57
2,4-Dinitrotoluene
Concen: 43.471 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 159291

Ion	Ratio	Lower	Upper
165	100		
63	51.5	39.2	58.8
89	71.4	56.9	85.3
182	2.9	2.2	3.2

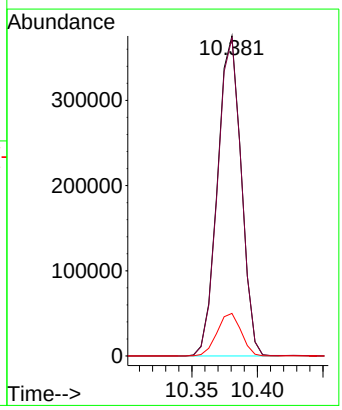


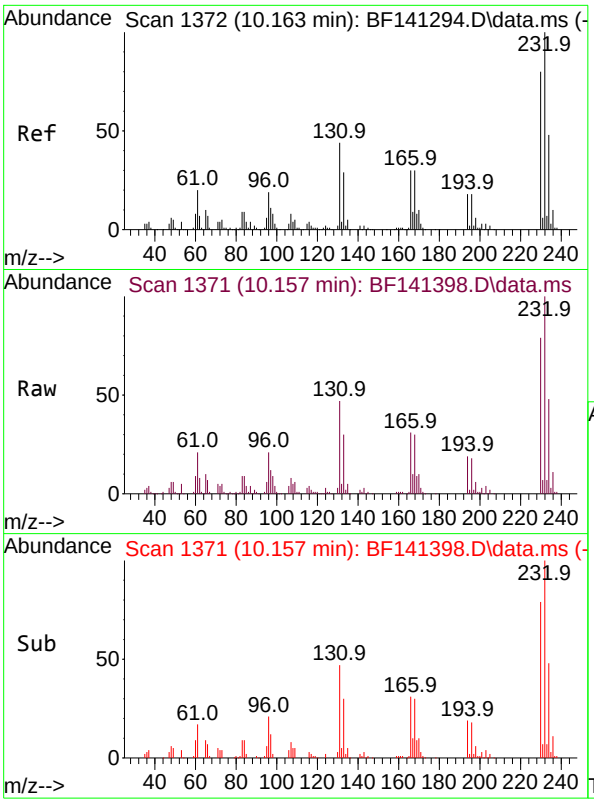


#58
Fluorene
Concen: 41.395 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:166 Resp: 471526

Ion	Ratio	Lower	Upper
166	100		
165	99.3	77.5	116.3
167	13.3	10.9	16.3



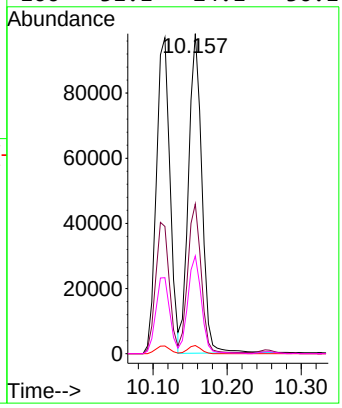


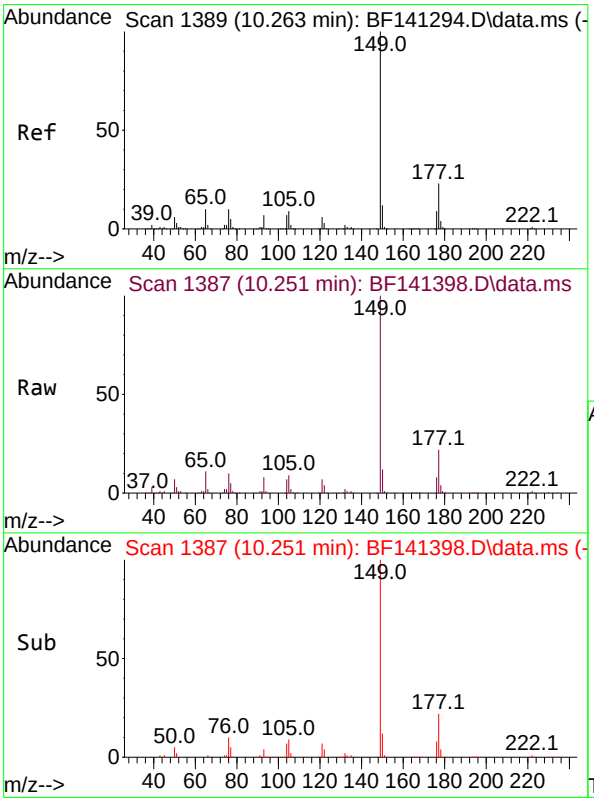
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.803 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 123166

Ion	Ratio	Lower	Upper
232	100		
131	47.4	36.4	54.6
130	2.5	1.9	2.9
166	31.1	24.1	36.1

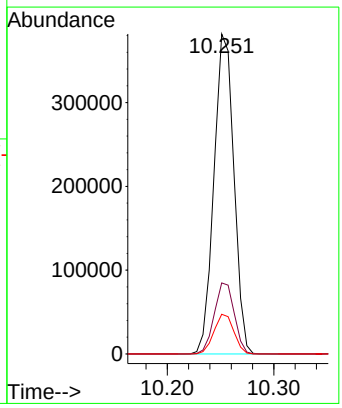


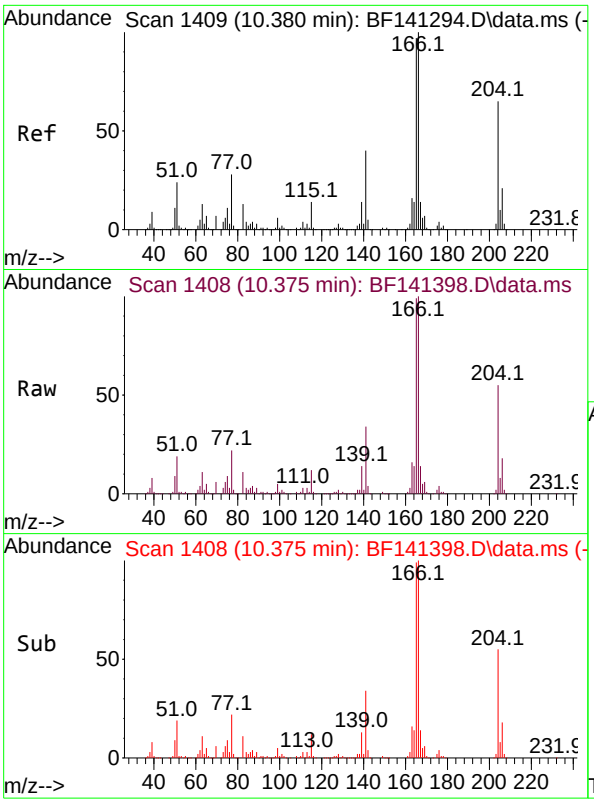


#60
Diethylphthalate
Concen: 41.956 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 495870

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.5	27.7
150	12.4	10.0	15.0



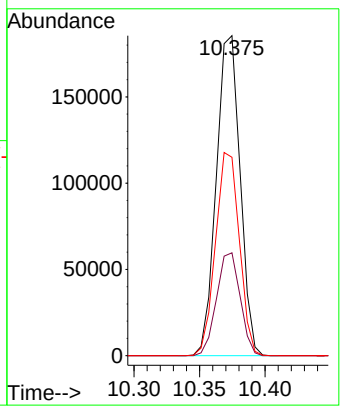


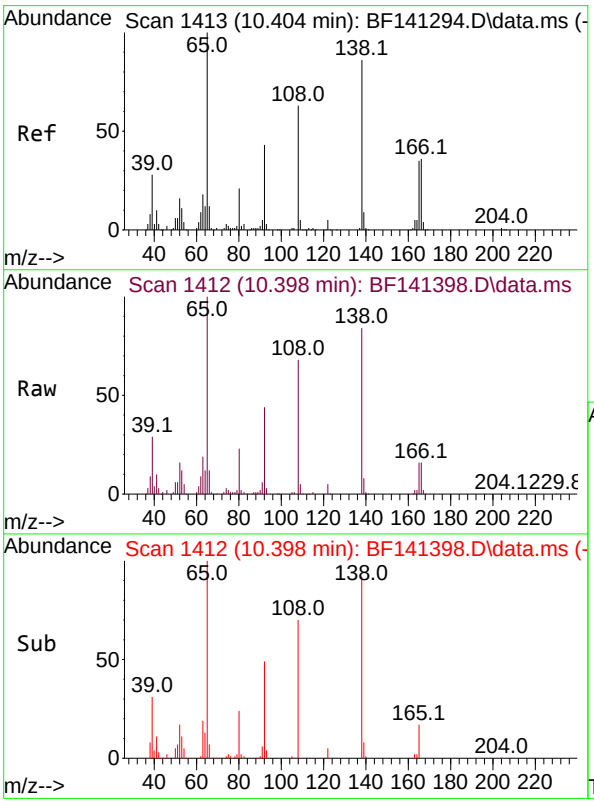
#61
4-Chlorophenyl-phenylether
Concen: 42.037 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 233902

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	62.0	49.5	74.3

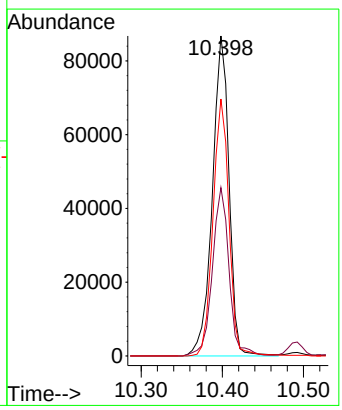


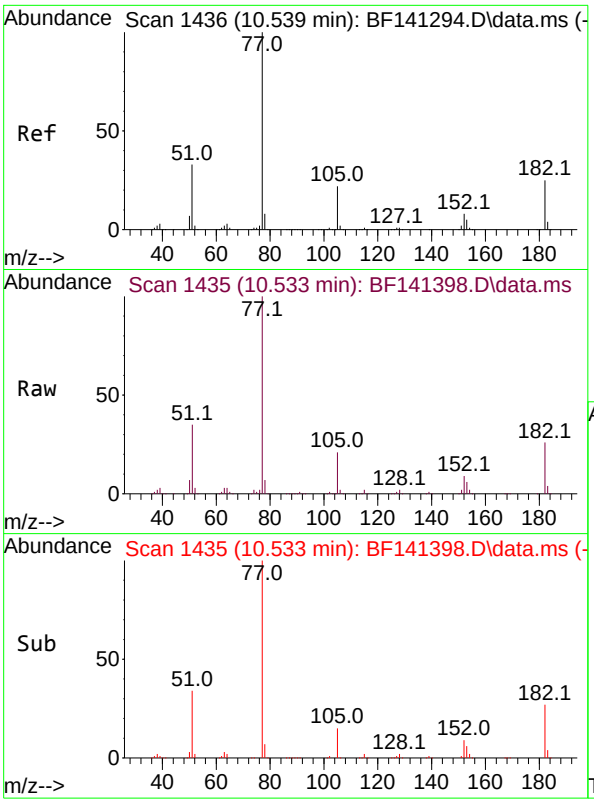


#62
4-Nitroaniline
Concen: 45.468 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:138 Resp: 123996

Ion	Ratio	Lower	Upper
138	100		
92	52.6	30.1	70.1
108	80.3	53.1	93.1



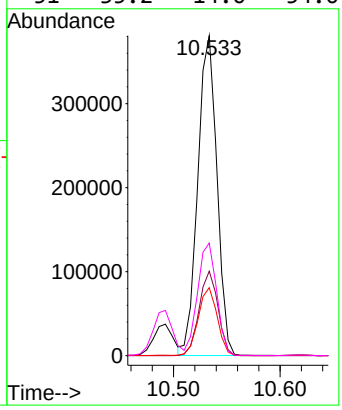


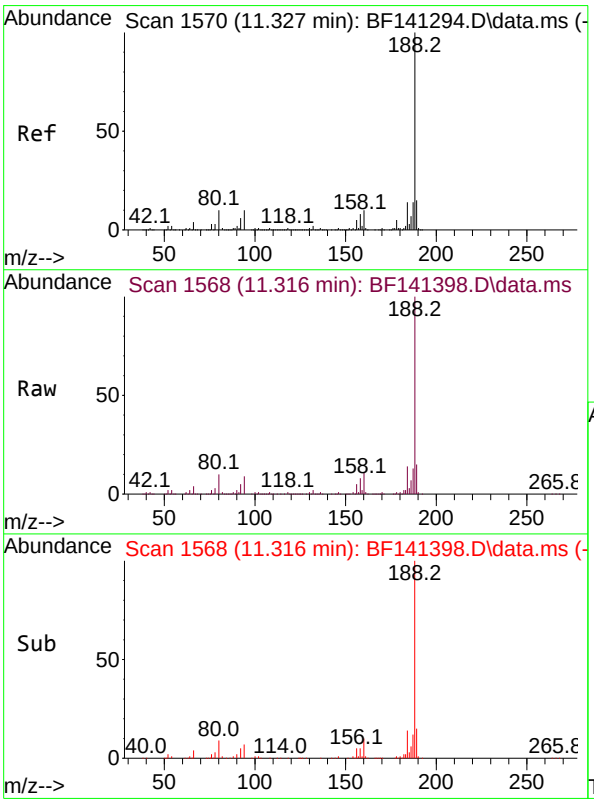
#63
Azobenzene
Concen: 40.234 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 475982

Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.1	45.1
105	21.3	1.8	41.8
51	35.2	14.0	54.0

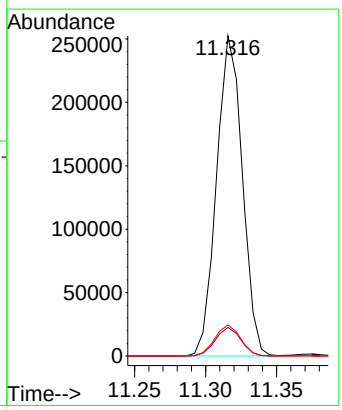


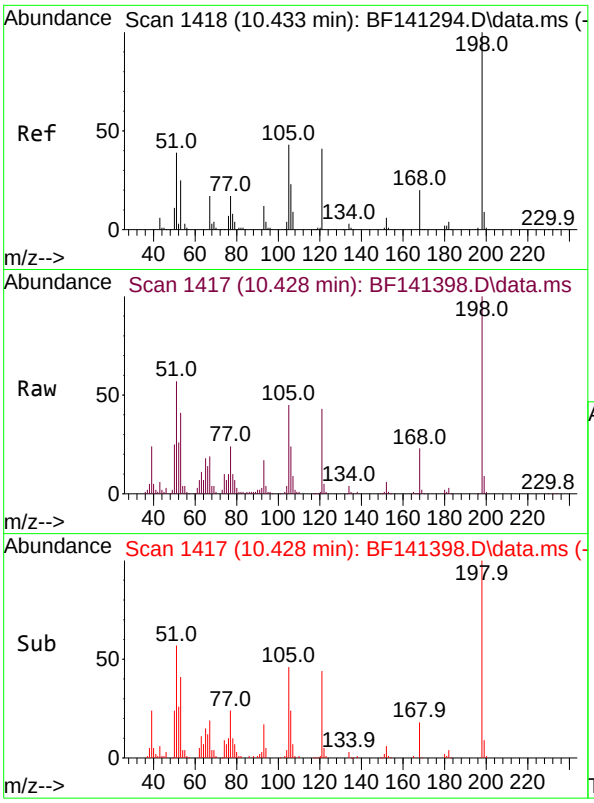


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:188 Resp: 318826

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.8	11.6
80	9.7	8.2	12.4



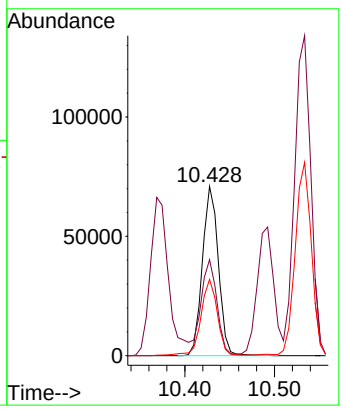


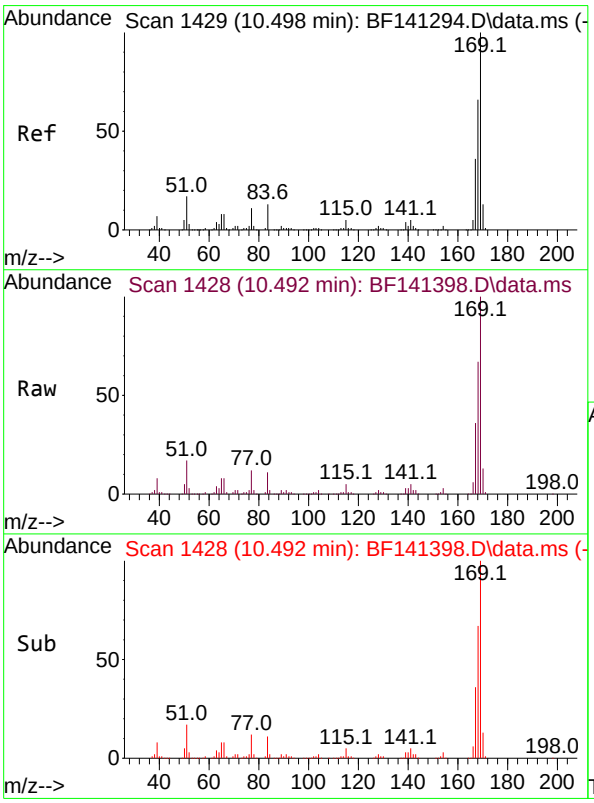
#65
4,6-Dinitro-2-methylphenol
Concen: 46.476 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 87646

Ion	Ratio	Lower	Upper
198	100		
51	56.8	33.4	73.4
105	45.1	24.4	64.4

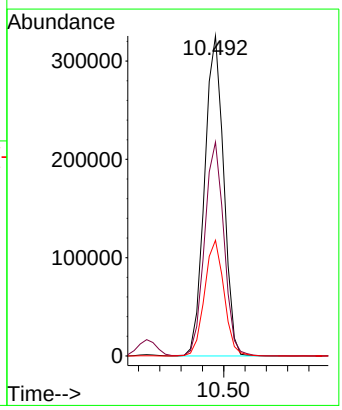


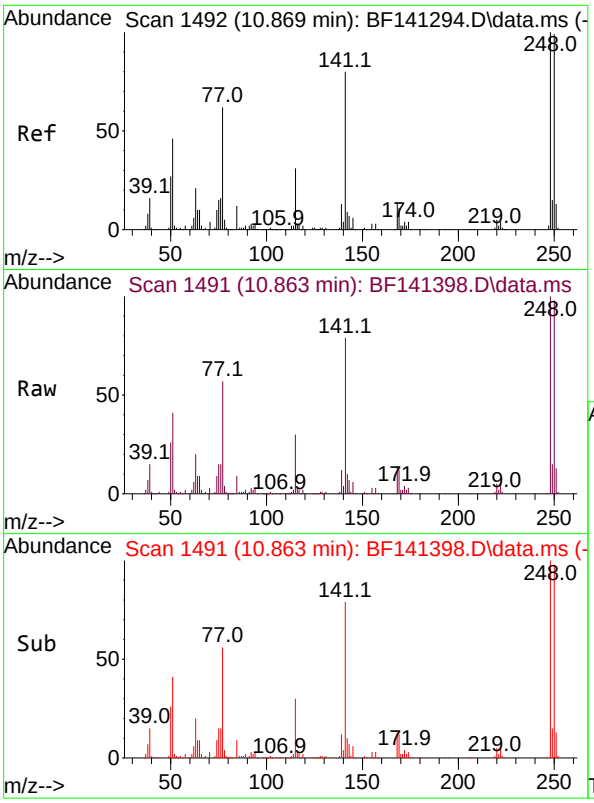


#66
n-Nitrosodiphenylamine
Concen: 39.195 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:169 Resp: 404177

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	36.2	28.8	43.2



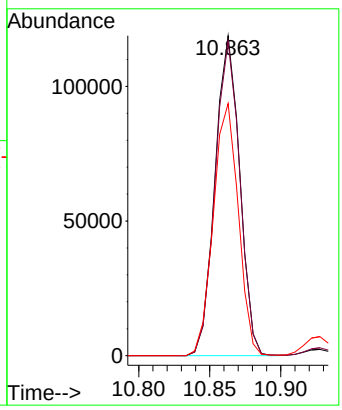


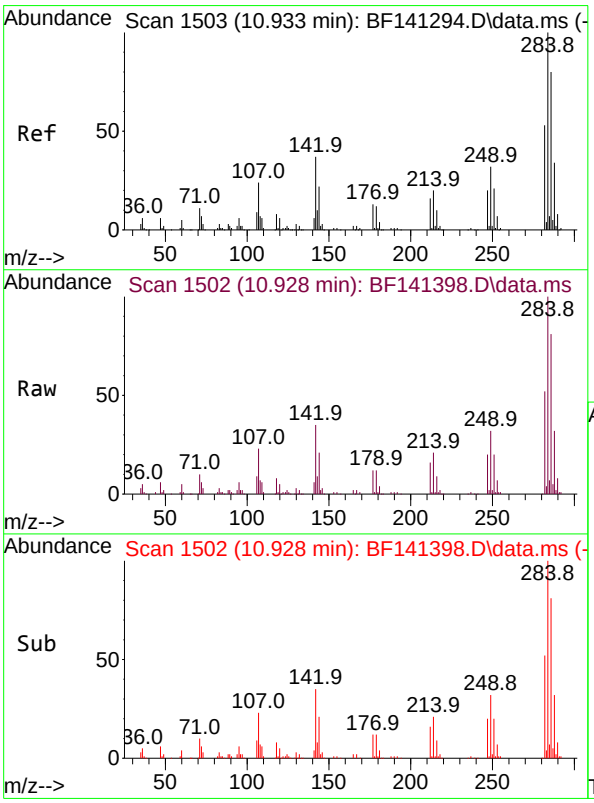
#67
4-Bromophenyl-phenylether
Concen: 40.154 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 143325

Ion	Ratio	Lower	Upper
248	100		
250	98.2	79.0	118.4
141	78.8	63.7	95.5

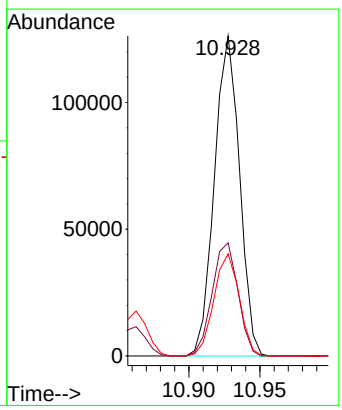


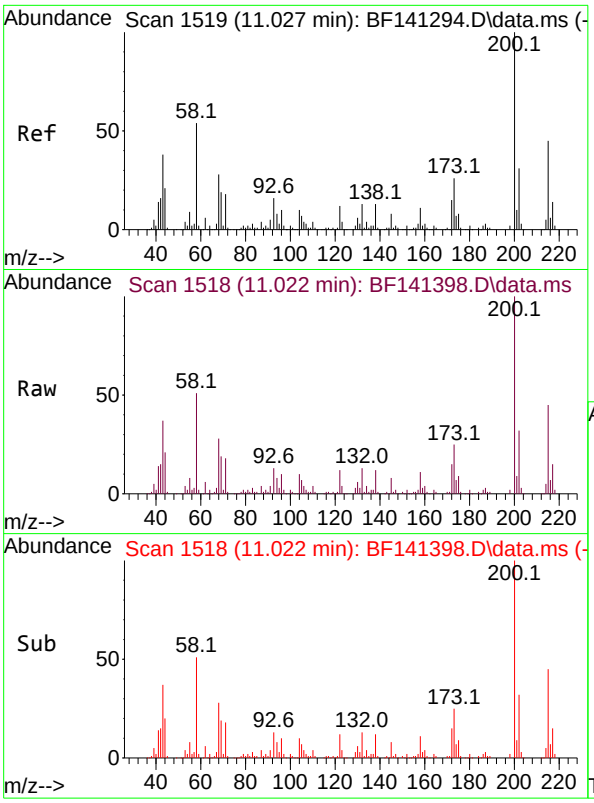


#68
Hexachlorobenzene
Concen: 40.974 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:284 Resp: 155137

Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.5	44.3
249	31.9	25.4	38.2



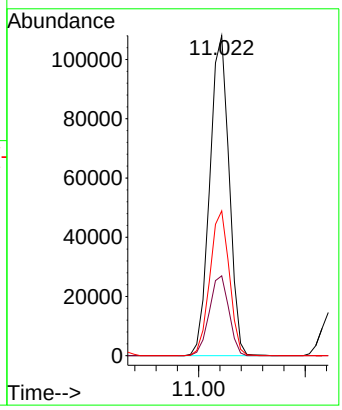


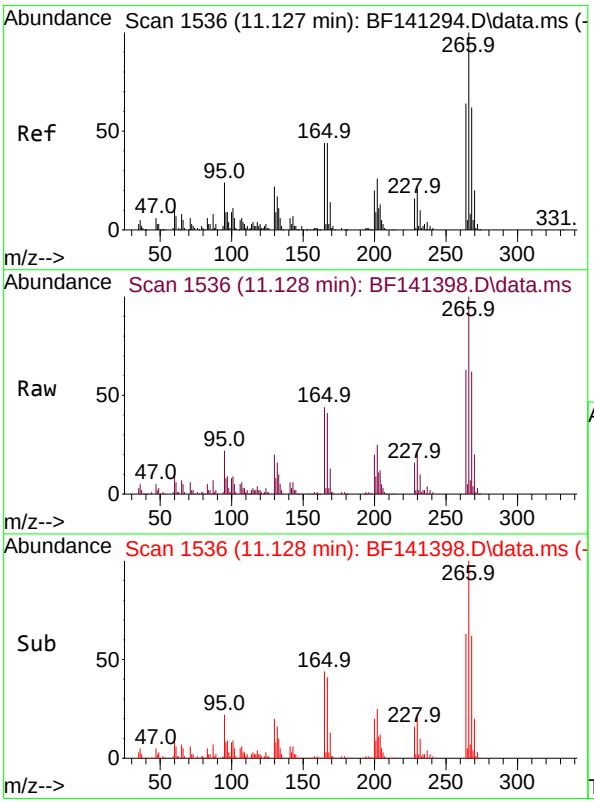
#69
Atrazine
Concen: 39.568 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 136423

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.9	45.9
215	45.3	25.2	65.2

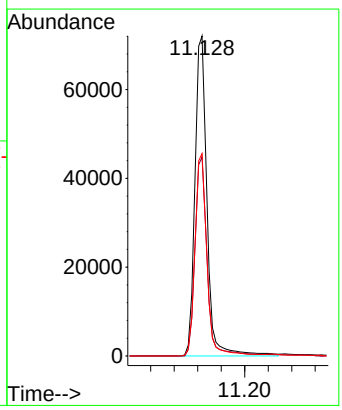


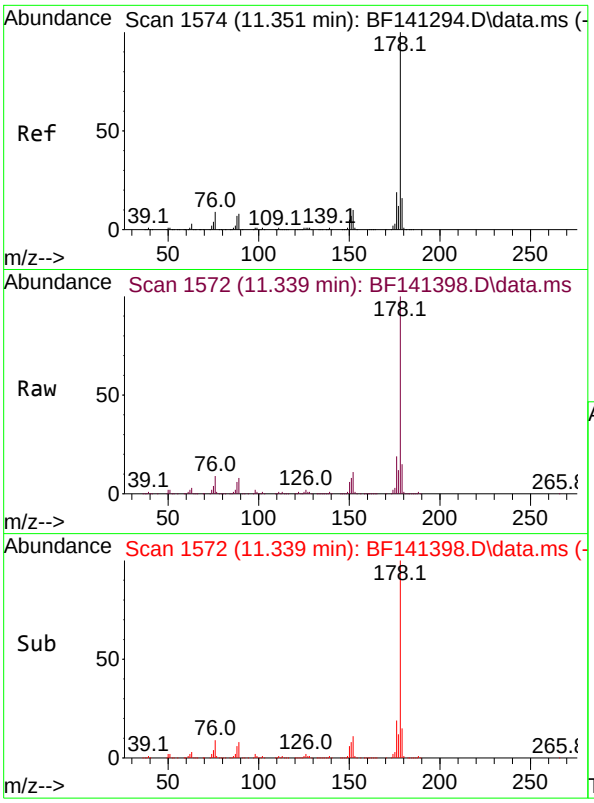


#70
Pentachlorophenol
Concen: 46.366 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:266 Resp: 102799

Ion	Ratio	Lower	Upper
266	100		
268	62.2	49.9	74.9
264	63.2	51.0	76.4



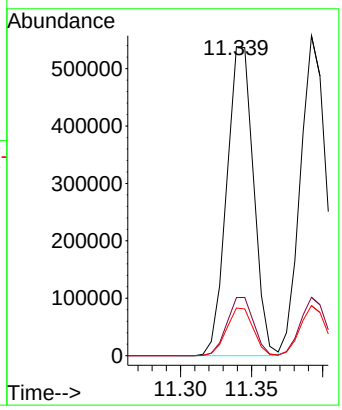


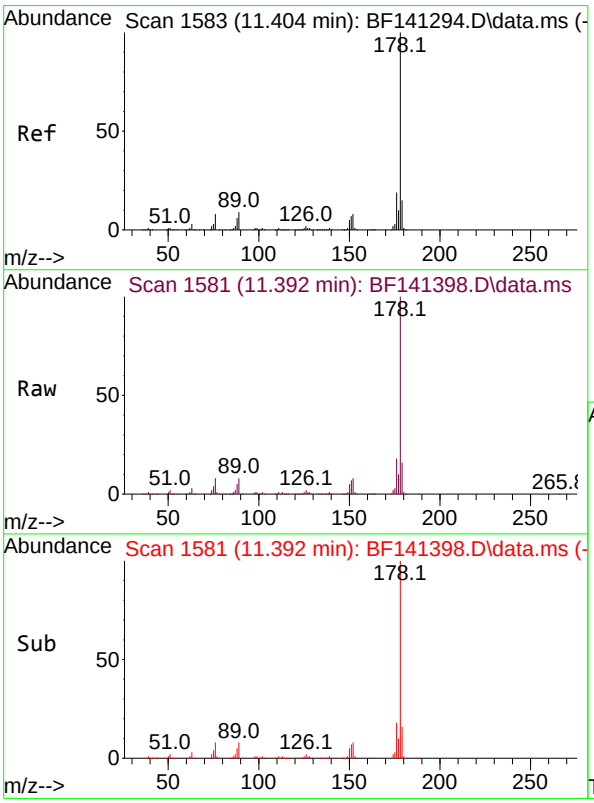
#71
Phenanthrene
Concen: 41.259 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 707114

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.5	18.7

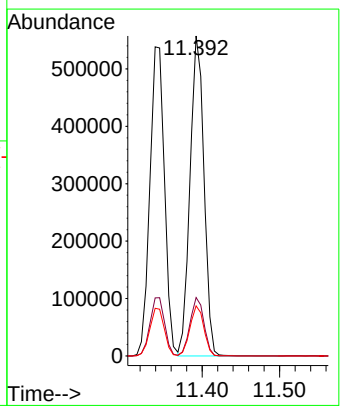


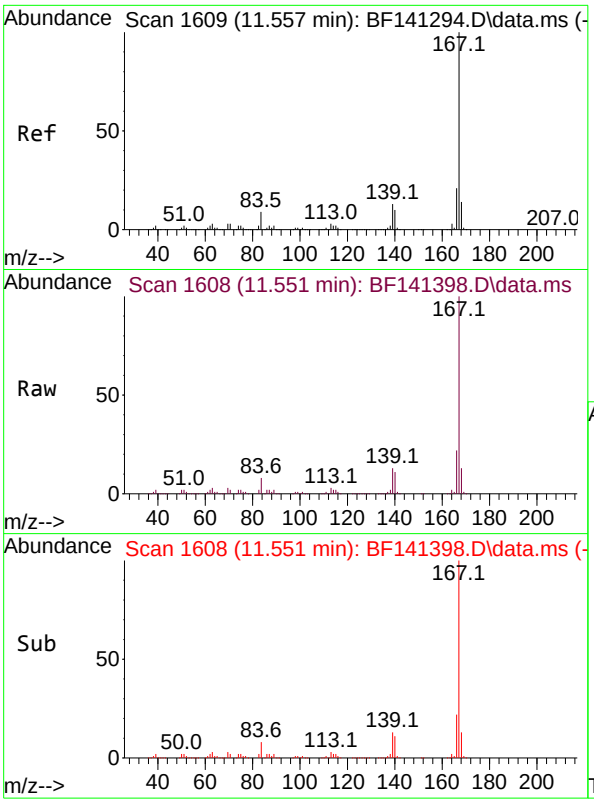


#72
Anthracene
Concen: 41.470 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:178 Resp: 696374

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.7	12.3	18.5



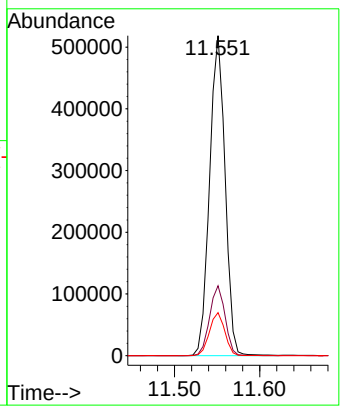


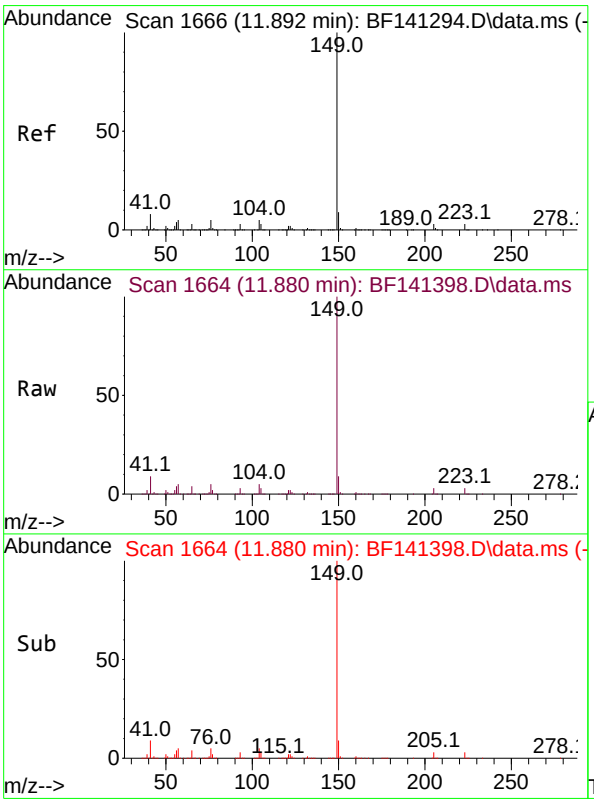
#73
Carbazole
Concen: 44.044 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 655823

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.4	10.6	16.0

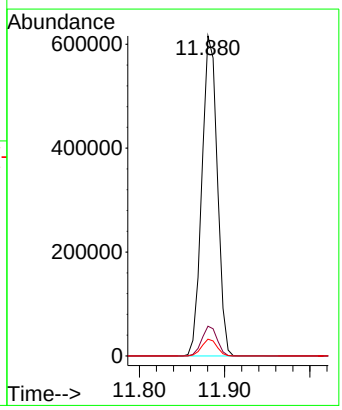


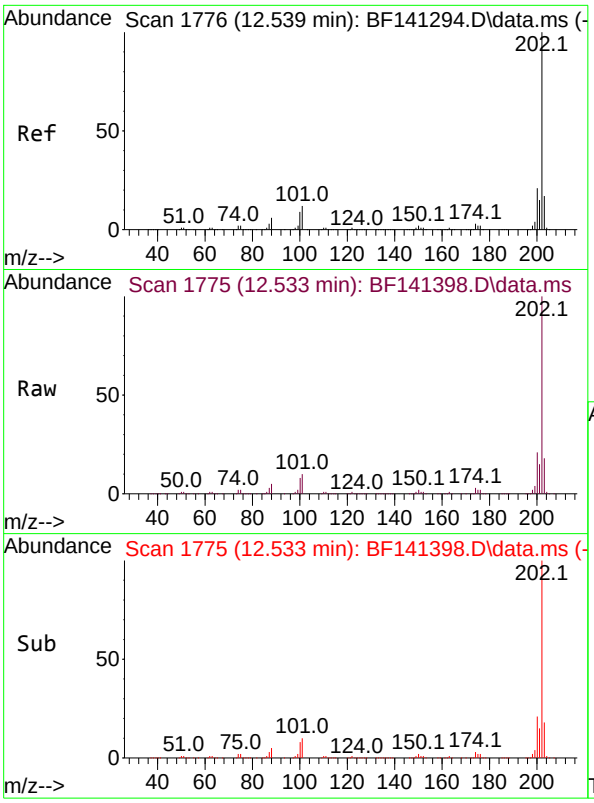


#74
Di-n-butylphthalate
Concen: 42.899 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 774119

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	3.9	5.9



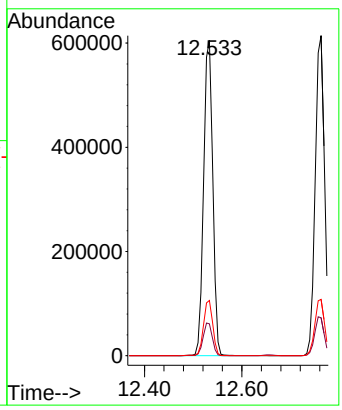


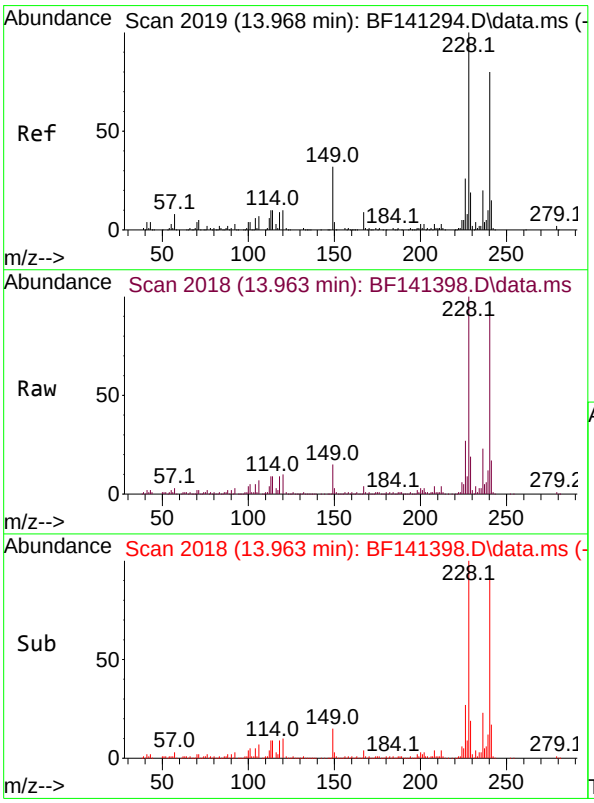
#75
Fluoranthene
Concen: 46.710 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 790425

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.7
203	17.5	0.0	37.5

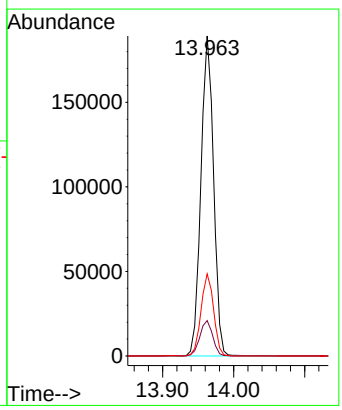


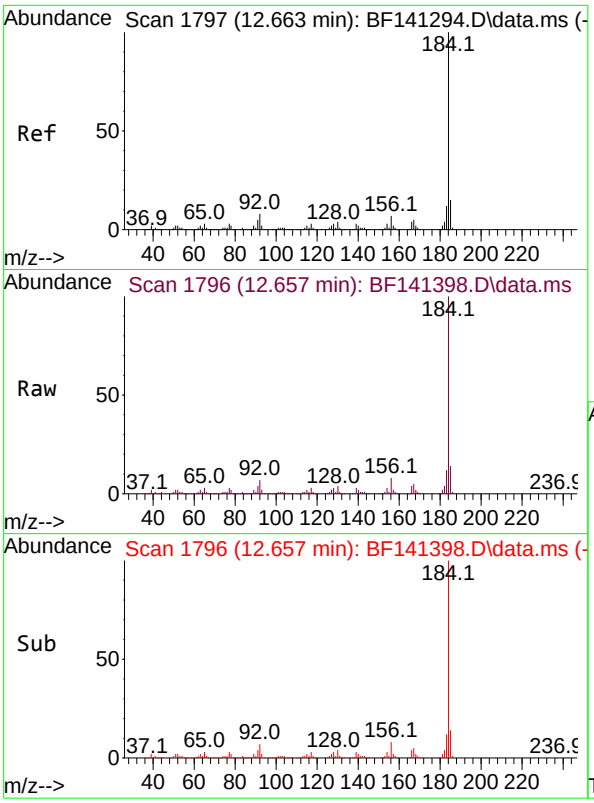


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:240 Resp: 235294

Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.0	15.0
236	25.6	19.7	29.5



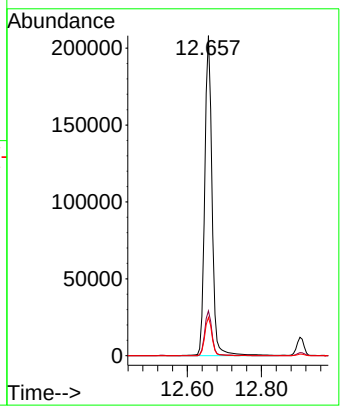


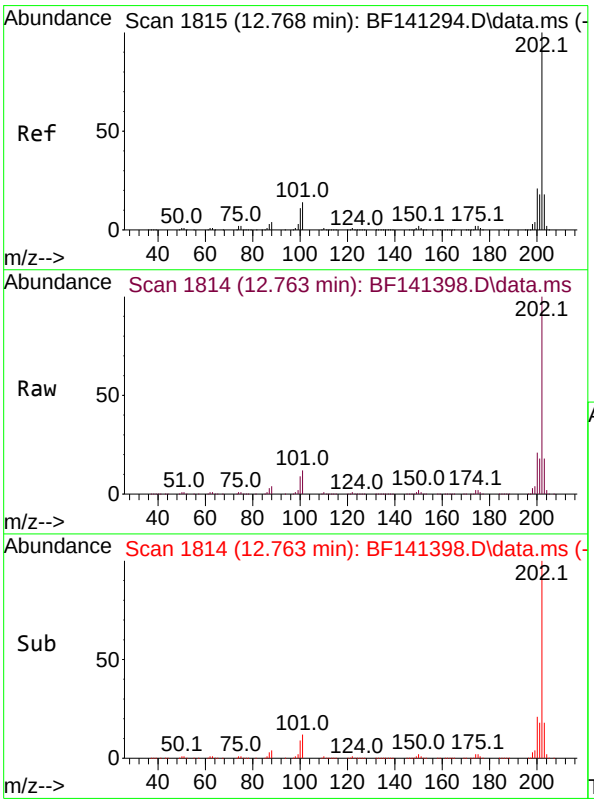
#77
Benzidine
Concen: 37.710 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 284455

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.9	17.9
183	12.0	9.5	14.3

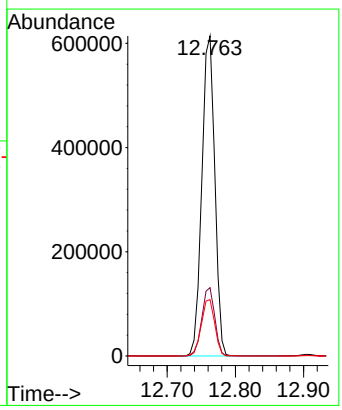


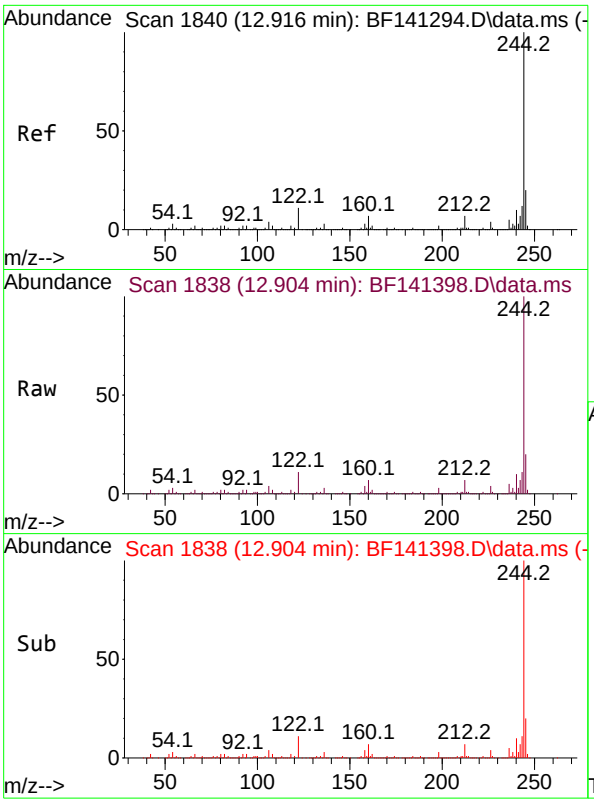


#78
Pyrene
Concen: 36.018 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:202 Resp: 813495

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.6	14.3	21.5



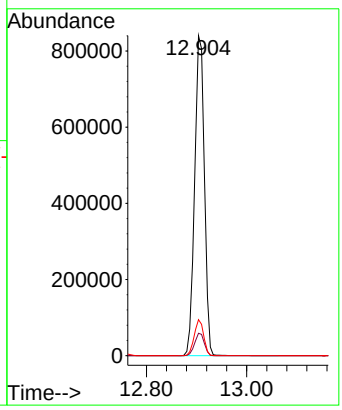


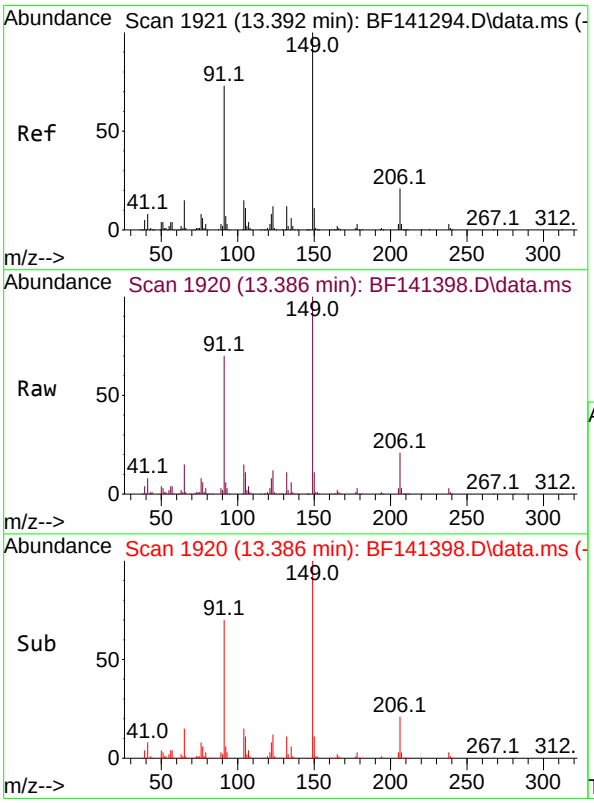
#79
Terphenyl-d14
Concen: 74.022 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1129373

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.3	8.8	13.2

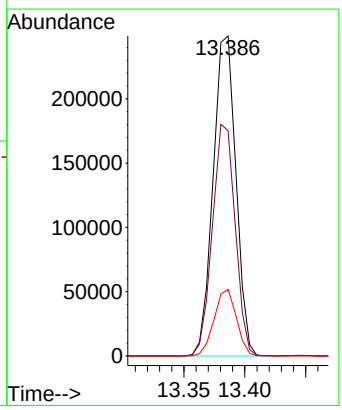


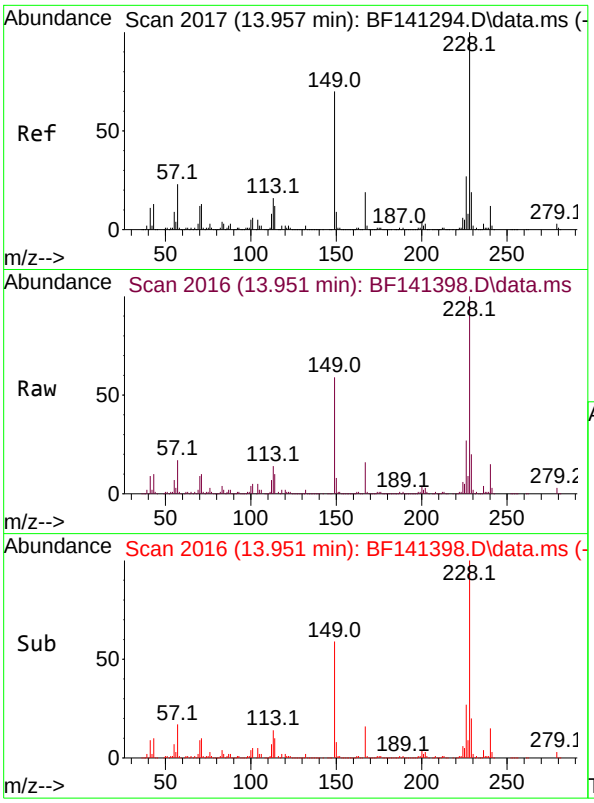


#80
Butylbenzylphthalate
Concen: 41.239 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 325399

Ion	Ratio	Lower	Upper
149	100		
91	70.4	58.6	87.8
206	20.8	16.7	25.1



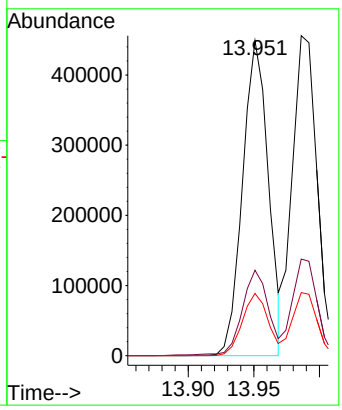


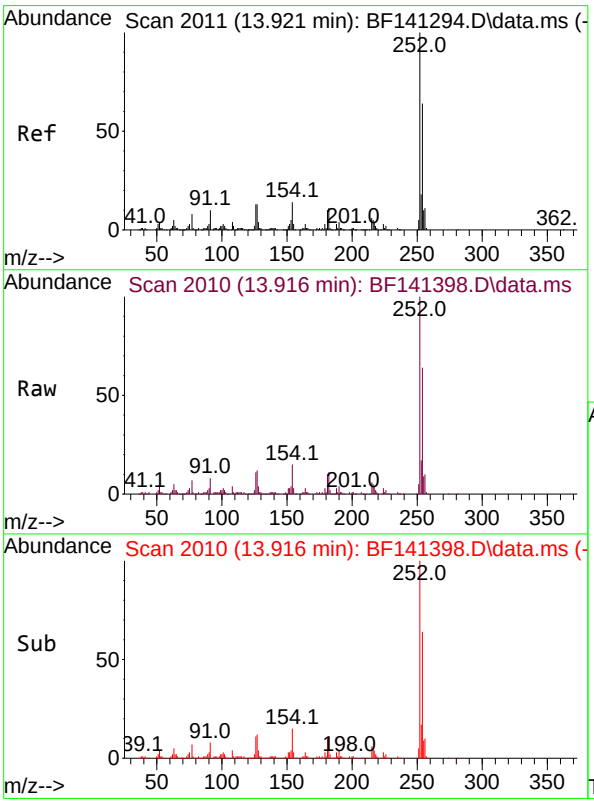
#81
Benzo(a)anthracene
Concen: 37.824 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 614138

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.8	15.5	23.3

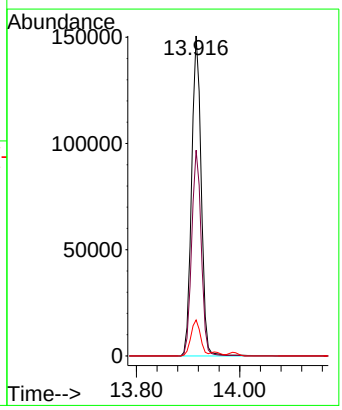


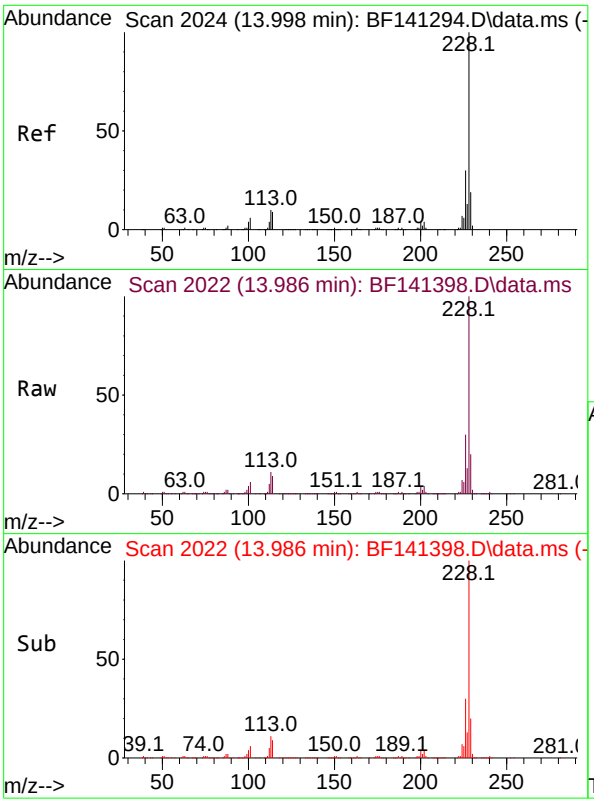


#82
3,3'-Dichlorobenzidine
Concen: 37.529 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 193800

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.3	76.9
126	11.3	10.0	15.0



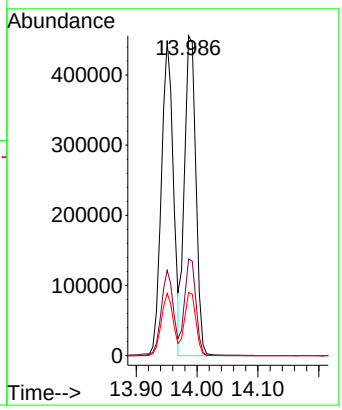


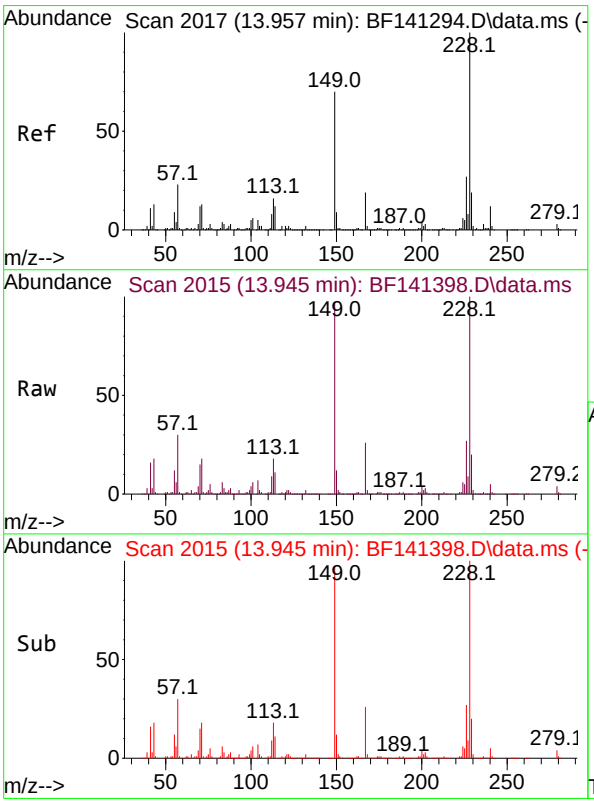
#83
Chrysene
Concen: 40.160 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 597592

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	19.7	15.6	23.4

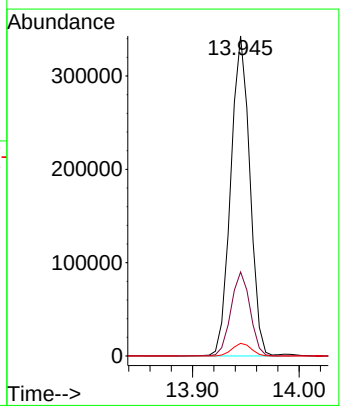


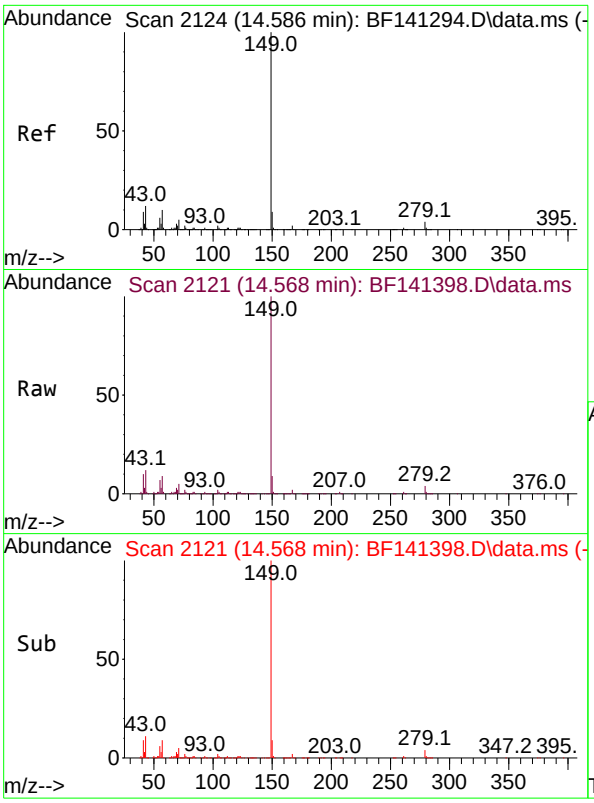


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.781 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:149 Resp: 428215

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.8	32.8
279	3.9	3.3	4.9



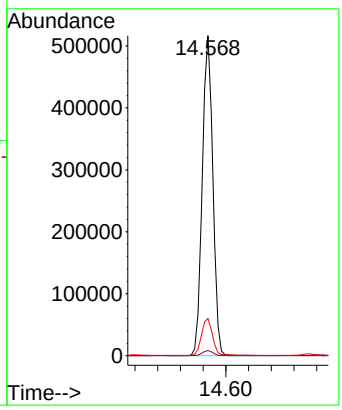


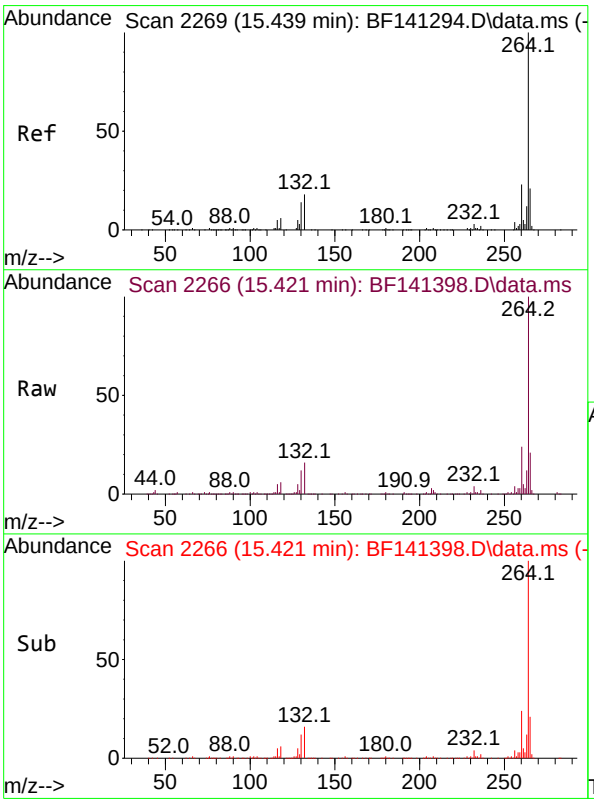
#85
Di-n-octyl phthalate
Concen: 42.840 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 666025

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.8	14.8

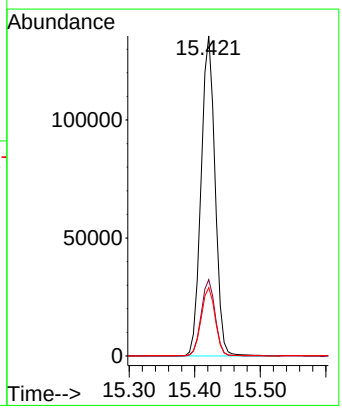


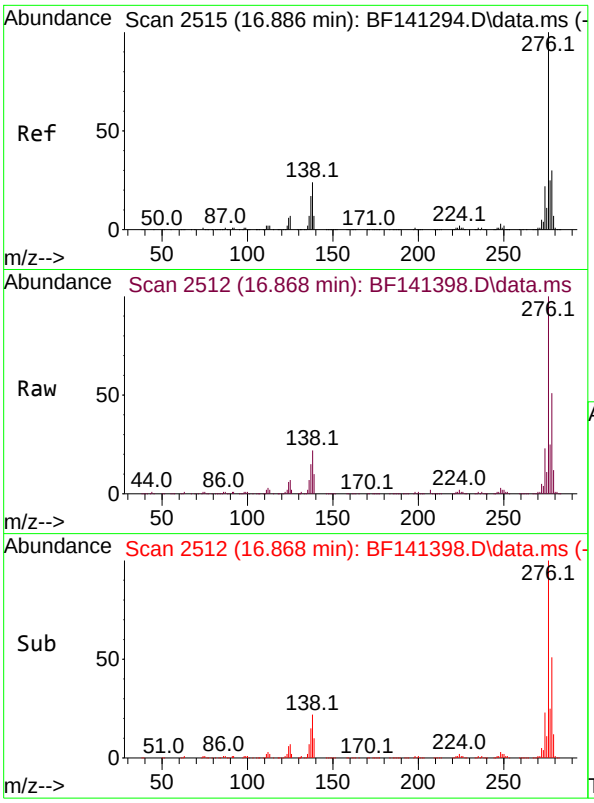


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:264 Resp: 201713

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	21.4	16.7	25.1



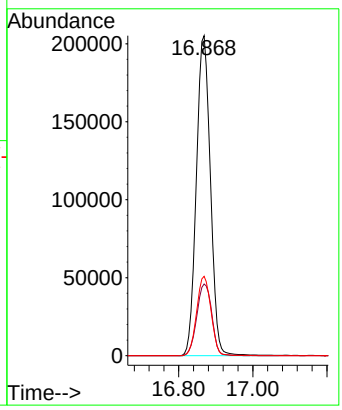


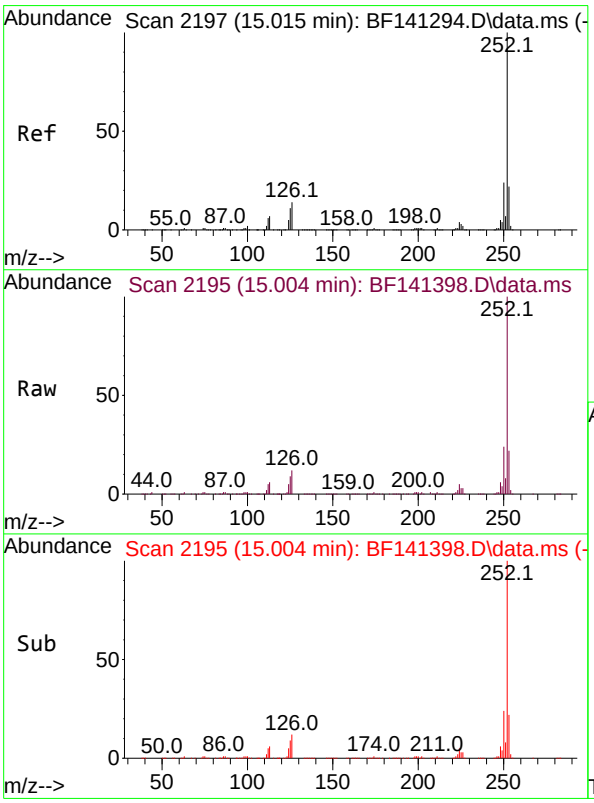
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.469 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 539887

Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.7	32.5
277	25.2	20.3	30.5

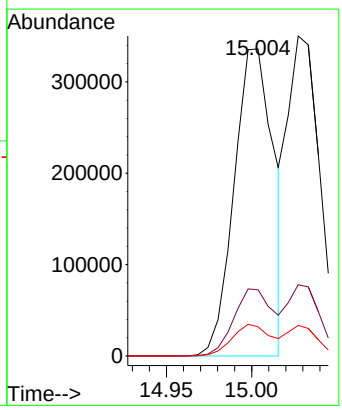


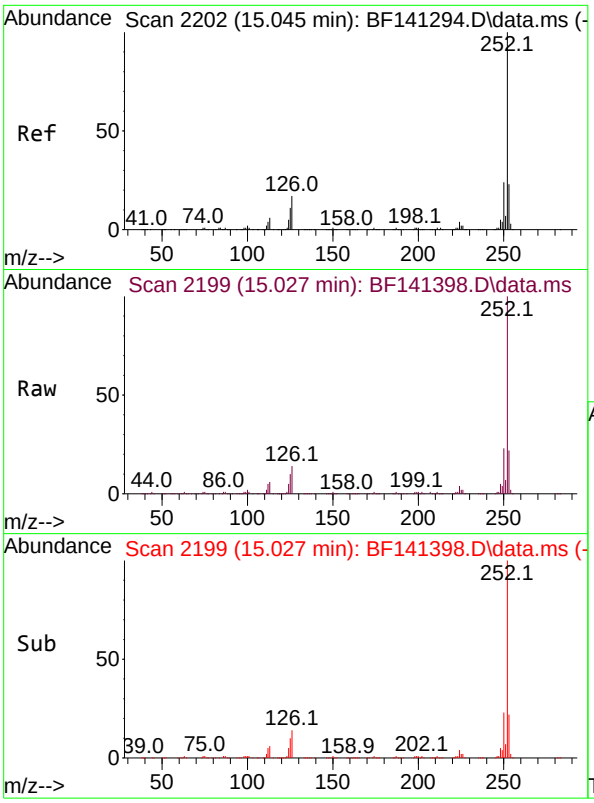


#88
Benzo(b)fluoranthene
Concen: 42.641 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 541045

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.5	8.6	12.8



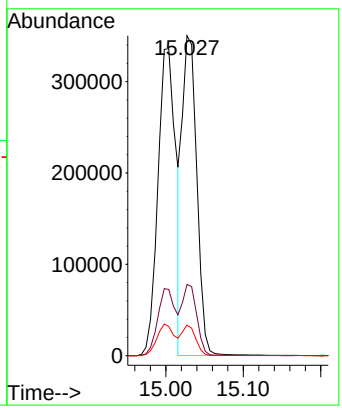


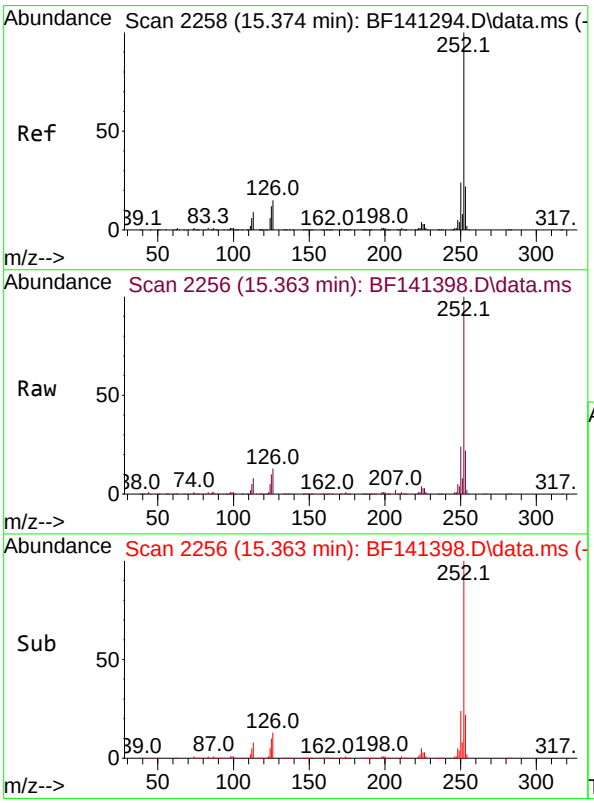
#89
Benzo(k)fluoranthene
Concen: 40.917 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 459921

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.5	8.4	12.6

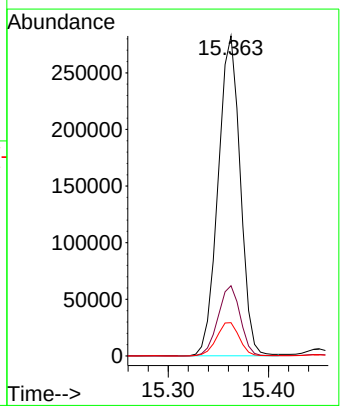


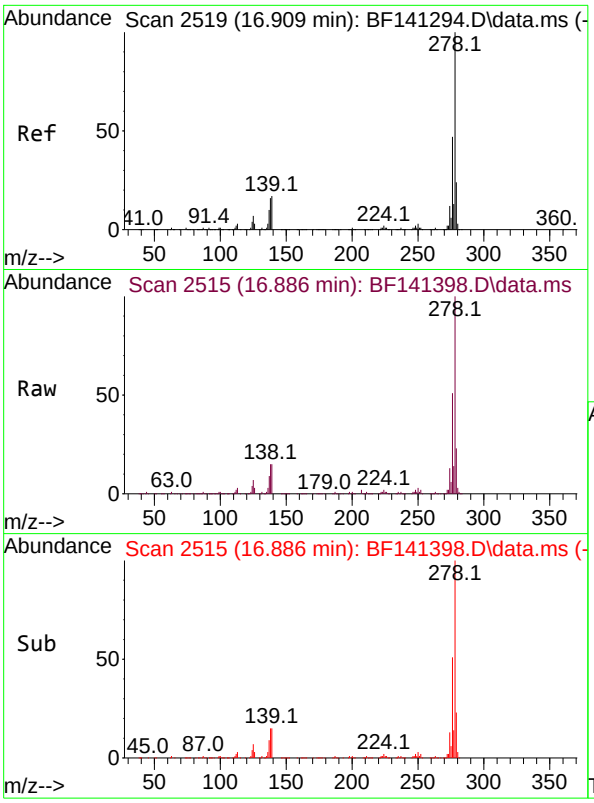


#90
Benzo(a)pyrene
Concen: 40.330 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:252 Resp: 432427

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	10.4	9.4	14.2



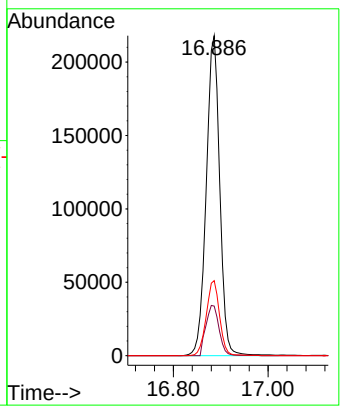


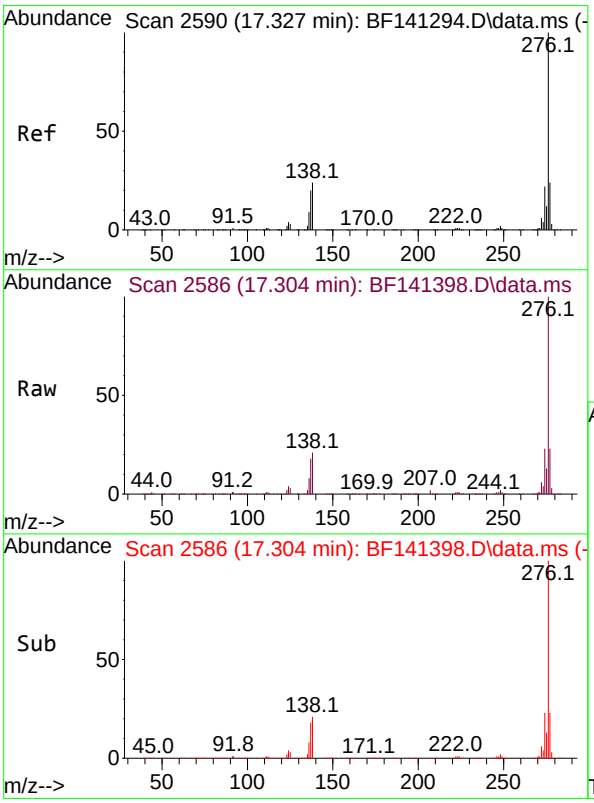
#91
Dibenzo(a,h)anthracene
Concen: 41.123 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 430740

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.9	20.9
279	23.4	18.8	28.2

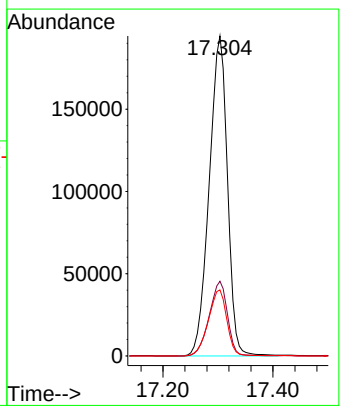




#92
Benzo(g,h,i)perylene
Concen: 41.212 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141398.D
Acq: 04 Feb 2025 10:42

Tgt Ion:276 Resp: 448843

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	20.7	19.0	28.4



Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	64	-0.01
2		1,4-Dioxane	0.573	0.555	3.1	66	-0.05
3		Pyridine	1.380	1.270	8.0	62	-0.05
4		n-Nitrosodimethylamine	0.789	0.816	-3.4	70	-0.08
5	S	2-Fluorophenol	1.303	1.302	0.1	70	0.00
6		Aniline	1.403	1.258	10.3	59	-0.02
7	S	Phenol-d6	1.657	1.560	5.9	66	0.00
8		2-Chlorophenol	1.396	1.387	0.6	69	-0.01
9		Benzaldehyde	0.960	0.893	7.0	64	-0.01
10	C	Phenol	1.757	1.650	6.1	64	0.00
11		bis(2-Chloroethyl)ether	1.347	1.262	6.3	66	-0.02
12		1,3-Dichlorobenzene	1.540	1.501	2.5	67	-0.01
13	C	1,4-Dichlorobenzene	1.547	1.539	0.5	69	-0.01
14		1,2-Dichlorobenzene	1.448	1.438	0.7	69	-0.01
15		Benzyl Alcohol	1.133	1.165	-2.8	69	-0.01
16		2,2'-oxybis(1-Chloropropane	2.342	2.108	10.0	62	-0.01
17		2-Methylphenol	1.135	1.074	5.4	66	0.00
18		Hexachloroethane	0.571	0.583	-2.1	71	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.929	5.7	67	-0.02
20		3+4-Methylphenols	1.393	1.375	1.3	69	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	62	-0.01
22		Acetophenone	0.475	0.491	-3.4	70	-0.02
23	S	Nitrobenzene-d5	0.379	0.391	-3.2	69	-0.01
24		Nitrobenzene	0.393	0.398	-1.3	67	-0.02
25		Isophorone	0.656	0.643	2.0	65	-0.02
26	C	2-Nitrophenol	0.185	0.185	0.0	65	-0.01
27		2,4-Dimethylphenol	0.236	0.230	2.5	64	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.403	3.6	64	-0.01
29	C	2,4-Dichlorophenol	0.289	0.296	-2.4	68	0.00
30		1,2,4-Trichlorobenzene	0.330	0.335	-1.5	69	-0.01
31		Naphthalene	1.057	1.061	-0.4	68	-0.01
32		Benzoic acid	0.217	0.229	-5.5	65	-0.04
33		4-Chloroaniline	0.358	0.347	3.1	64	0.00
34	C	Hexachlorobutadiene	0.194	0.208	-7.2	72	0.00
35		Caprolactam	0.094	0.093	1.1	65	-0.04
36	C	4-Chloro-3-methylphenol	0.310	0.325	-4.8	71	0.00
37		2-Methylnaphthalene	0.672	0.684	-1.8	68	-0.01
38		1-Methylnaphthalene	0.660	0.668	-1.2	69	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	64	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	70	-0.01
41	P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	69	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.202	-10.4	75	-0.01
43	C	2,4,6-Trichlorophenol	0.372	0.382	-2.7	67	0.00
44		2,4,5-Trichlorophenol	0.405	0.421	-4.0	71	0.00
45	S	2-Fluorobiphenyl	1.299	1.328	-2.2	72	-0.01
46		1,1'-Biphenyl	1.560	1.563	-0.2	69	-0.01
47		2-Chloronaphthalene	1.216	1.209	0.6	69	-0.01

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.390	-2.1	68	0.00
49		Acenaphthylene	1.702	1.717	-0.9	69	-0.01
50		Dimethylphthalate	1.351	1.371	-1.5	71	-0.01
51		2,6-Dinitrotoluene	0.314	0.321	-2.2	69	-0.01
52	C	Acenaphthene	1.216	1.256	-3.3	71	-0.01
53		3-Nitroaniline	0.307	0.321	-4.6	68	-0.01
54	P	2,4-Dinitrophenol	0.146	0.165	-13.0	71	-0.01
55		Dibenzofuran	1.627	1.669	-2.6	70	-0.01
56	P	4-Nitrophenol	0.225	0.257	-14.2	73	0.00
57		2,4-Dinitrotoluene	0.406	0.441	-8.6	73	-0.01
58		Fluorene	1.262	1.306	-3.5	71	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.341	-6.9	72	0.00
60		Diethylphthalate	1.310	1.374	-4.9	72	-0.02
61		4-Chlorophenyl-phenylether	0.617	0.648	-5.0	73	0.00
62		4-Nitroaniline	0.302	0.344	-13.9	76	-0.02
63		Azobenzene	1.311	1.319	-0.6	69	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	70	-0.01
65		4,6-Dinitro-2-methylphenol	0.118	0.137	-16.1	76	-0.01
66	c	n-Nitrosodiphenylamine	0.647	0.634	2.0	70	-0.01
67		4-Bromophenyl-phenylether	0.224	0.225	-0.4	72	-0.01
68		Hexachlorobenzene	0.238	0.243	-2.1	74	-0.01
69		Atrazine	0.216	0.214	0.9	70	-0.01
70	C	Pentachlorophenol	0.139	0.161	-15.8	78	0.00
71		Phenanthrene	1.075	1.109	-3.2	75	-0.01
72		Anthracene	1.053	1.092	-3.7	75	-0.01
73		Carbazole	0.934	1.028	-10.1	80	0.00
74		Di-n-butylphthalate	1.132	1.214	-7.2	78	-0.01
75	C	Fluoranthene	1.062	1.240	-16.8	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77		Benzidine	0.641	0.604	5.8	75	0.00
78		Pyrene	1.920	1.729	9.9	89	0.00
79	S	Terphenyl-d14	1.297	1.200	7.5	92	-0.01
80		Butylbenzylphthalate	0.671	0.691	-3.0	100	0.00
81		Benzo(a)anthracene	1.380	1.305	5.4	93	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.412	6.2	89	-0.01
83		Chrysene	1.265	1.270	-0.4	101	-0.01
84		Bis(2-ethylhexyl)phthalate	0.851	0.910	-6.9	105	-0.01
85	c	Di-n-octyl phthalate	1.321	1.415	-7.1	104	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	72	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.338	-3.6	77	-0.03
88		Benzo(b)fluoranthene	1.258	1.341	-6.6	86	-0.02
89		Benzo(k)fluoranthene	1.114	1.140	-2.3	76	-0.02
90	C	Benzo(a)pyrene	1.063	1.072	-0.8	77	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.068	-2.8	76	-0.04
92		Benzo(g,h,i)perylene	1.080	1.113	-3.1	77	-0.04

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	64	-0.01
2		1,4-Dioxane	40.000	38.714	3.2	66	-0.05
3		Pyridine	40.000	36.803	8.0	62	-0.05
4		n-Nitrosodimethylamine	40.000	41.383	-3.5	70	-0.08
5	S	2-Fluorophenol	80.000	79.945	0.1	70	0.00
6		Aniline	40.000	35.876	10.3	59	-0.02
7	S	Phenol-d6	80.000	75.322	5.8	66	0.00
8		2-Chlorophenol	40.000	39.734	0.7	69	-0.01
9		Benzaldehyde	40.000	37.226	6.9	64	-0.01
10	C	Phenol	40.000	37.574	6.1	64	0.00
11		bis(2-Chloroethyl)ether	40.000	37.487	6.3	66	-0.02
12		1,3-Dichlorobenzene	40.000	39.009	2.5	67	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.806	0.5	69	-0.01
14		1,2-Dichlorobenzene	40.000	39.708	0.7	69	-0.01
15		Benzyl Alcohol	40.000	41.142	-2.9	69	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	36.004	10.0	62	-0.01
17		2-Methylphenol	40.000	37.854	5.4	66	0.00
18		Hexachloroethane	40.000	40.842	-2.1	71	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	37.733	5.7	67	-0.02
20		3+4-Methylphenols	40.000	39.483	1.3	69	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	62	-0.01
22		Acetophenone	40.000	41.351	-3.4	70	-0.02
23	S	Nitrobenzene-d5	80.000	82.468	-3.1	69	-0.01
24		Nitrobenzene	40.000	40.497	-1.2	67	-0.02
25		Isophorone	40.000	39.213	2.0	65	-0.02
26	C	2-Nitrophenol	40.000	39.973	0.1	65	-0.01
27		2,4-Dimethylphenol	40.000	38.904	2.7	64	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.495	3.8	64	-0.01
29	C	2,4-Dichlorophenol	40.000	41.025	-2.6	68	0.00
30		1,2,4-Trichlorobenzene	40.000	40.631	-1.6	69	-0.01
31		Naphthalene	40.000	40.155	-0.4	68	-0.01
32		Benzoic acid	40.000	42.292	-5.7	65	-0.04
33		4-Chloroaniline	40.000	38.783	3.0	64	0.00
34	C	Hexachlorobutadiene	40.000	42.897	-7.2	72	0.00
35		Caprolactam	40.000	39.634	0.9	65	-0.04
36	C	4-Chloro-3-methylphenol	40.000	42.000	-5.0	71	0.00
37		2-Methylnaphthalene	40.000	40.722	-1.8	68	-0.01
38		1-Methylnaphthalene	40.000	40.487	-1.2	69	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	64	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	41.257	-3.1	70	-0.01
41	P	Hexachlorocyclopentadiene	40.000	43.974	-9.9	69	-0.01
42	S	2,4,6-Tribromophenol	80.000	88.147	-10.2	75	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.007	-2.5	67	0.00
44		2,4,5-Trichlorophenol	40.000	41.577	-3.9	71	0.00
45	S	2-Fluorobiphenyl	80.000	81.771	-2.2	72	-0.01
46		1,1'-Biphenyl	40.000	40.089	-0.2	69	-0.01
47		2-Chloronaphthalene	40.000	39.785	0.5	69	-0.01

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	40.764	-1.9	68	0.00
49		Acenaphthylene	40.000	40.360	-0.9	69	-0.01
50		Dimethylphthalate	40.000	40.604	-1.5	71	-0.01
51		2,6-Dinitrotoluene	40.000	40.929	-2.3	69	-0.01
52	C	Acenaphthene	40.000	41.328	-3.3	71	-0.01
53		3-Nitroaniline	40.000	41.746	-4.4	68	-0.01
54	P	2,4-Dinitrophenol	40.000	45.240	-13.1	71	-0.01
55		Dibenzofuran	40.000	41.022	-2.6	70	-0.01
56	P	4-Nitrophenol	40.000	45.798	-14.5	73	0.00
57		2,4-Dinitrotoluene	40.000	43.471	-8.7	73	-0.01
58		Fluorene	40.000	41.395	-3.5	71	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.803	-7.0	72	0.00
60		Diethylphthalate	40.000	41.956	-4.9	72	-0.02
61		4-Chlorophenyl-phenylether	40.000	42.037	-5.1	73	0.00
62		4-Nitroaniline	40.000	45.468	-13.7	76	-0.02
63		Azobenzene	40.000	40.234	-0.6	69	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	70	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	46.476	-16.2	76	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.195	2.0	70	-0.01
67		4-Bromophenyl-phenylether	40.000	40.154	-0.4	72	-0.01
68		Hexachlorobenzene	40.000	40.974	-2.4	74	-0.01
69		Atrazine	40.000	39.568	1.1	70	-0.01
70	C	Pentachlorophenol	40.000	46.366	-15.9	78	0.00
71		Phenanthrene	40.000	41.259	-3.1	75	-0.01
72		Anthracene	40.000	41.470	-3.7	75	-0.01
73		Carbazole	40.000	44.044	-10.1	80	0.00
74		Di-n-butylphthalate	40.000	42.899	-7.2	78	-0.01
75	C	Fluoranthene	40.000	46.710	-16.8	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77		Benzidine	40.000	37.710	5.7	75	0.00
78		Pyrene	40.000	36.018	10.0	89	0.00
79	S	Terphenyl-d14	80.000	74.022	7.5	92	-0.01
80		Butylbenzylphthalate	40.000	41.239	-3.1	100	0.00
81		Benzo(a)anthracene	40.000	37.824	5.4	93	-0.01
82		3,3'-Dichlorobenzidine	40.000	37.529	6.2	89	-0.01
83		Chrysene	40.000	40.160	-0.4	101	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	42.781	-7.0	105	-0.01
85	c	Di-n-octyl phthalate	40.000	42.840	-7.1	104	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	72	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.469	-3.7	77	-0.03
88		Benzo(b)fluoranthene	40.000	42.641	-6.6	86	-0.02
89		Benzo(k)fluoranthene	40.000	40.917	-2.3	76	-0.02
90	C	Benzo(a)pyrene	40.000	40.330	-0.8	77	-0.02
91		Dibenzo(a,h)anthracene	40.000	41.123	-2.8	76	-0.04
92		Benzo(g,h,i)perylene	40.000	41.212	-3.0	77	-0.04

Sample Results: **BF141398.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141398.D
Acq On : 04 Feb 2025 10:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 11:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141410.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.284		-1.5	
Benzaldehyde	0.960	1.013		5.5	
Phenol-d6	1.657	1.572		-5.1	
Phenol	1.757	1.636		-6.9	20.0
bis(2-Chloroethyl)ether	1.347	1.259		-6.5	
2-Chlorophenol	1.396	1.368		-2.0	
2-Methylphenol	1.135	1.080		-4.8	
2,2-oxybis(1-Chloropropane)	2.342	2.088		-10.8	
Acetophenone	0.475	0.494		4.0	
3+4-Methylphenols	1.393	1.396		0.2	
n-Nitroso-di-n-propylamine	0.985	0.944	0.050	-4.2	
Nitrobenzene-d5	0.379	0.388		2.4	
Hexachloroethane	0.571	0.577		1.1	
Nitrobenzene	0.393	0.393		0.0	
Isophorone	0.656	0.640		-2.4	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.228		-3.4	
bis(2-Chloroethoxy)methane	0.418	0.398		-4.8	
2,4-Dichlorophenol	0.289	0.292		1.0	20.0
Naphthalene	1.057	1.049		-0.8	
4-Chloroaniline	0.358	0.319		-10.9	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.319		2.9	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.327		2.2	
2,4,5-Trichlorophenol	0.405	0.420		3.7	
1,1-Biphenyl	1.560	1.554		-0.4	
2-Chloronaphthalene	1.216	1.203		-1.1	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.359		0.6	
Acenaphthylene	1.702	1.720		1.1	
2,6-Dinitrotoluene	0.314	0.322		2.5	
3-Nitroaniline	0.307	0.312		1.6	
Acenaphthene	1.216	1.251		2.9	20.0
2,4-Dinitrophenol	0.146	0.175	0.050	19.9	
4-Nitrophenol	0.225	0.248	0.050	10.2	

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.657		1.8	
2,4-Dinitrotoluene	0.406	0.439		8.1	
Diethylphthalate	1.310	1.369		4.5	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.315		4.2	
4-Nitroaniline	0.302	0.342		13.2	
4,6-Dinitro-2-methylphenol	0.118	0.142		20.3	
n-Nitrosodiphenylamine	0.647	0.643		-0.6	20.0
2,4,6-Tribromophenol	0.183	0.206		12.6	
4-Bromophenyl-phenylether	0.224	0.229		2.2	
Hexachlorobenzene	0.238	0.248		4.2	
Atrazine	0.216	0.211		-2.3	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.075	1.113		3.5	
Anthracene	1.053	1.102		4.7	
Carbazole	0.934	1.020		9.2	
Di-n-butylphthalate	1.132	1.231		8.7	
Fluoranthene	1.062	1.232		16.0	20.0
Pyrene	1.920	1.732		-9.8	
Terphenyl-d14	1.297	1.228		-5.3	
Butylbenzylphthalate	0.671	0.671		0.0	
3,3-Dichlorobenzidine	0.439	0.410		-6.6	
Benzo(a)anthracene	1.380	1.278		-7.4	
Chrysene	1.265	1.238		-2.1	
Bis(2-ethylhexyl)phthalate	0.851	0.877		3.1	
Di-n-octyl phthalate	1.321	1.327		0.5	20.0
Benzo(b)fluoranthene	1.258	1.276		1.4	
Benzo(k)fluoranthene	1.114	1.215		9.1	
Benzo(a)pyrene	1.063	1.092		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.304		1.0	
Dibenzo(a,h)anthracene	1.039	1.055		1.5	
Benzo(g,h,i)perylene	1.080	1.076		-0.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.535		-6.6	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.336		5.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	89972	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	349697	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	187729	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	325046	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	235785	20.000	ng		#-0.01
86) Perylene-d12	15.421	264	203742	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	461991	78.830	ng		0.00
7) Phenol-d6	6.434	99	565803	75.891	ng		0.00
23) Nitrobenzene-d5	7.357	82	542962	81.851	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	154436	89.734	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	996571	81.709	ng		-0.01
79) Terphenyl-d14	12.904	244	1157717	75.722	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.452	88	96236	37.338	ng		98
3) Pyridine	3.175	79	227442	36.624	ng		95
4) n-Nitrosodimethylamine	3.134	42	148075m	41.739	ng		
6) Aniline	6.451	93	231086	36.617	ng	#	24
8) 2-Chlorophenol	6.581	128	246203	39.195	ng		97
9) Benzaldehyde	6.340	77	182303	42.215	ng		99
10) Phenol	6.445	94	294371	37.247	ng	#	67
11) bis(2-Chloroethyl)ether	6.528	93	226600	37.395	ng		98
12) 1,3-Dichlorobenzene	6.728	146	275749	39.813	ng		99
13) 1,4-Dichlorobenzene	6.810	146	279491	40.169	ng		99
14) 1,2-Dichlorobenzene	6.963	146	260169	39.932	ng		98
15) Benzyl Alcohol	6.934	79	212366	41.681	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	375805	35.664	ng		81
17) 2-Methylphenol	7.057	107	194281	38.055	ng	#	91
18) Hexachloroethane	7.304	117	103872	40.467	ng		95
19) n-Nitroso-di-n-propyla...	7.204	70	169782	38.325	ng		99
20) 3+4-Methylphenols	7.204	107	251134	40.064	ng		91
22) Acetophenone	7.198	105	345559	41.572	ng	#	98
24) Nitrobenzene	7.375	77	275017	40.006	ng		100
25) Isophorone	7.610	82	447558	39.031	ng		98
26) 2-Nitrophenol	7.692	139	134199	41.393	ng		98
27) 2,4-Dimethylphenol	7.734	122	159583m	38.672	ng		
28) bis(2-Chloroethoxy)met...	7.822	93	278158	38.030	ng		98
29) 2,4-Dichlorophenol	7.939	162	204485	40.477	ng		99
30) 1,2,4-Trichlorobenzene	8.016	180	235617	40.839	ng		99
31) Naphthalene	8.098	128	733327	39.696	ng		99
32) Benzoic acid	7.851	122	160931	42.423	ng		95
33) 4-Chloroaniline	8.145	127	222768	35.561	ng		99
34) Hexachlorobutadiene	8.210	225	145800	43.093	ng		99
35) Caprolactam	8.516	113	65085	39.448	ng		96
36) 4-Chloro-3-methylphenol	8.633	107	223256	41.200	ng		95
37) 2-Methylnaphthalene	8.786	142	471006	40.115	ng		100
38) 1-Methylnaphthalene	8.886	142	459817	39.867	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	220482	41.284	ng		100
41) Hexachlorocyclopentadiene	8.939	237	69619	44.139	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	144492	41.335	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

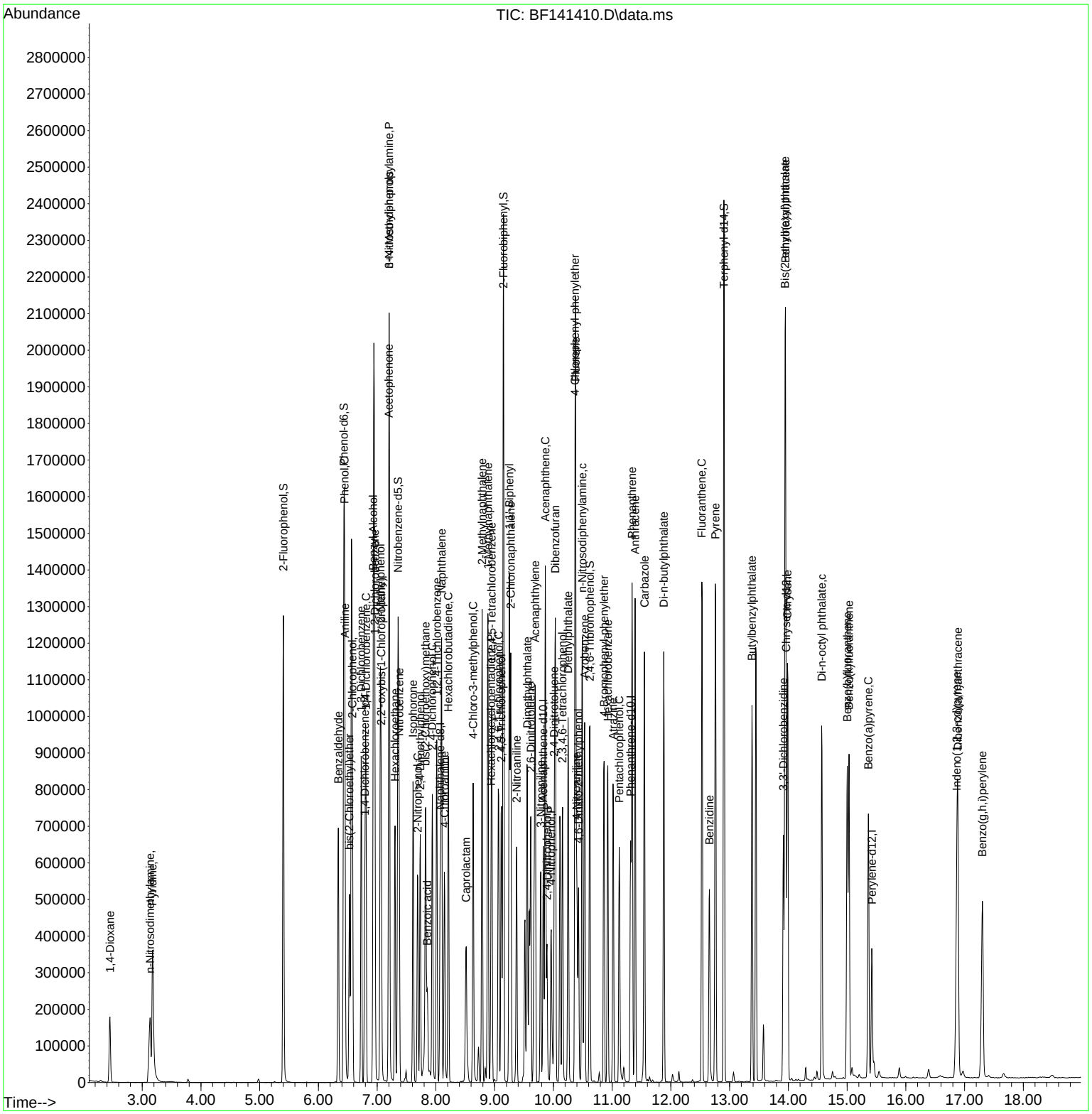
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	157526	41.404	ng	100
46) 1,1'-Biphenyl	9.251	154	583575	39.860	ng	98
47) 2-Chloronaphthalene	9.275	162	451544	39.569	ng	99
48) 2-Nitroaniline	9.375	65	148678	41.421	ng	98
49) Acenaphthylene	9.692	152	645795	40.428	ng	100
50) Dimethylphthalate	9.557	163	510098	40.231	ng	100
51) 2,6-Dinitrotoluene	9.616	165	120960	41.088	ng	99
52) Acenaphthene	9.863	154	469576	41.148	ng	98
53) 3-Nitroaniline	9.786	138	117193	40.616	ng	99
54) 2,4-Dinitrophenol	9.892	184	65781	48.068	ng	93
55) Dibenzofuran	10.033	168	622267	40.736	ng	98
56) 4-Nitrophenol	9.963	139	93228	44.180	ng	92
57) 2,4-Dinitrotoluene	10.016	165	164833	43.245	ng	96
58) Fluorene	10.380	166	493864	41.680	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	126118	42.135	ng	96
60) Diethylphthalate	10.251	149	514014	41.811	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	241686	41.757	ng	97
62) 4-Nitroaniline	10.398	138	128297	45.227	ng	91
63) Azobenzene	10.533	77	490065	39.824	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	92244	47.978	ng	98
66) n-Nitrosodiphenylamine	10.492	169	417972	39.757	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	148831	40.899	ng	99
68) Hexachlorobenzene	10.927	284	160903	41.684	ng	98
69) Atrazine	11.016	200	137337	39.071	ng	99
70) Pentachlorophenol	11.122	266	102619	45.399	ng	98
71) Phenanthrene	11.339	178	723529	41.409	ng	100
72) Anthracene	11.392	178	716469	41.850	ng	100
73) Carbazole	11.551	167	662834	43.663	ng	99
74) Di-n-butylphthalate	11.880	149	800193	43.495	ng	99
75) Fluoranthene	12.527	202	801222	46.442	ng	98
77) Benzidine	12.657	184	300130	39.706	ng	99
78) Pyrene	12.757	202	816862	36.091	ng	100
80) Butylbenzylphthalate	13.380	149	316309	40.003	ng	99
81) Benzo(a)anthracene	13.951	228	602639	37.039	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193238	37.342	ng	99
83) Chrysene	13.986	228	583785	39.150	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	413503	41.225	ng	99
85) Di-n-octyl phthalate	14.568	149	625670	40.161	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	531435	40.413	ng	96
88) Benzo(b)fluoranthene	15.004	252	519917	40.568	ng	98
89) Benzo(k)fluoranthene	15.033	252	495242	43.621	ng	98
90) Benzo(a)pyrene	15.362	252	444854	41.076	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430043	40.648	ng	97
92) Benzo(g,h,i)perylene	17.304	276	438392	39.851	ng	95

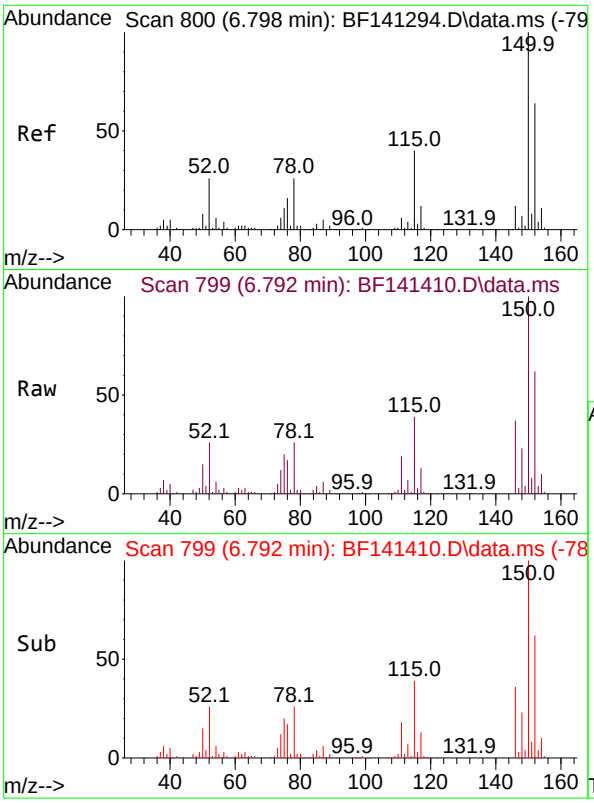
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



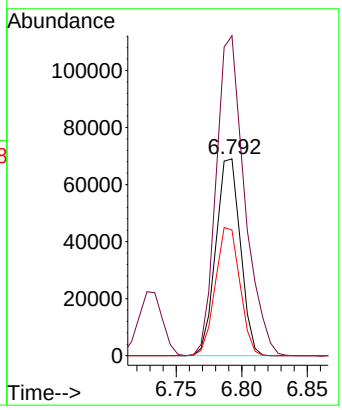


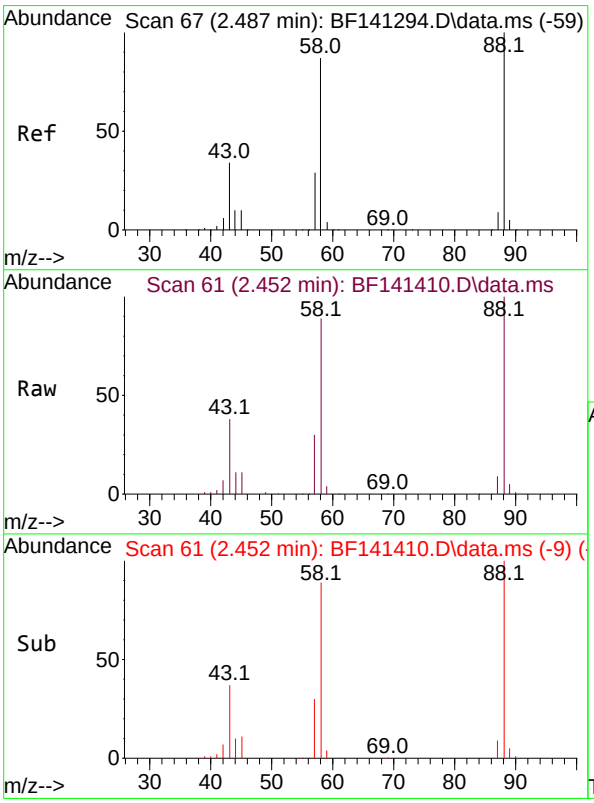
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 89972

Ion	Ratio	Lower	Upper
152	100		
150	162.5	125.9	188.9
115	63.8	49.7	74.5

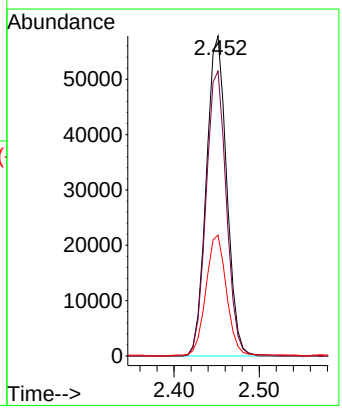


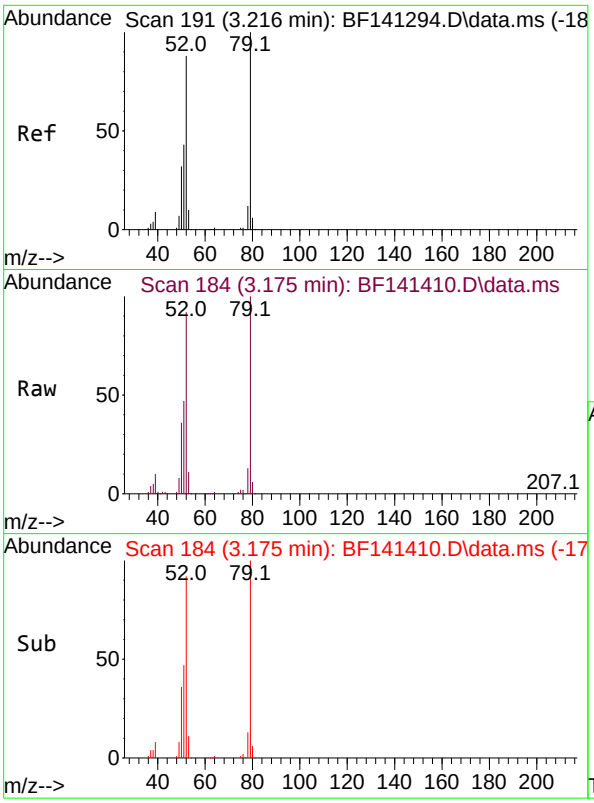


#2
1,4-Dioxane
Concen: 37.338 ng
RT: 2.452 min Scan# 61
Delta R.T. -0.041 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 88 Resp: 96236

Ion	Ratio	Lower	Upper
88	100		
58	88.3	70.2	105.4
43	38.6	27.6	41.4



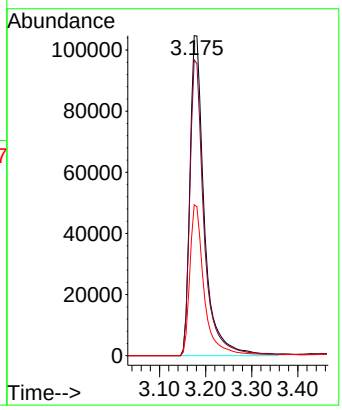


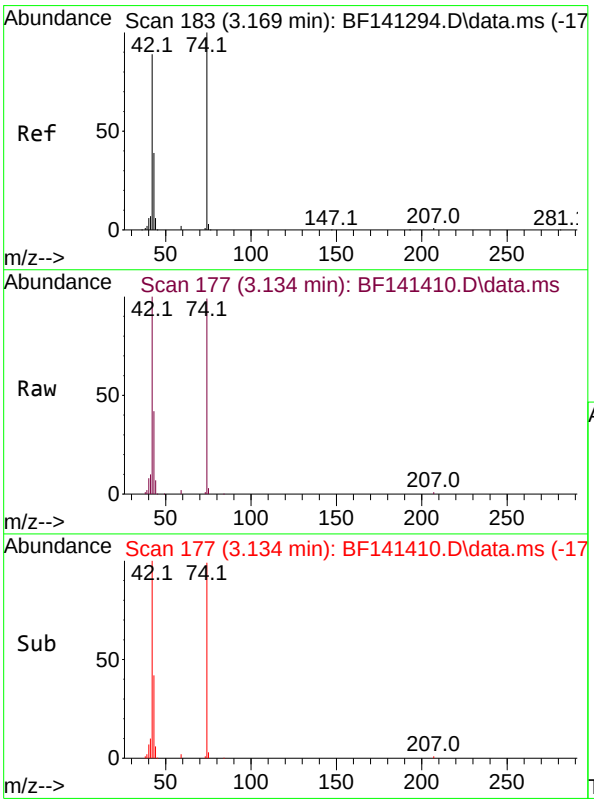
#3
Pyridine
Concen: 36.624 ng
RT: 3.175 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 227442

Ion	Ratio	Lower	Upper
79	100		
52	92.5	70.3	105.5
51	47.1	34.3	51.5

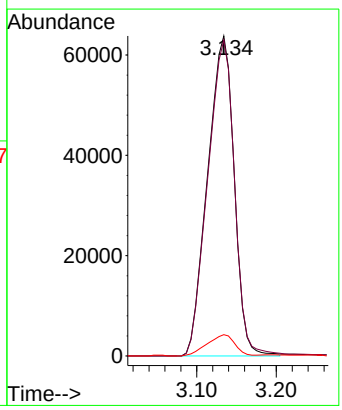


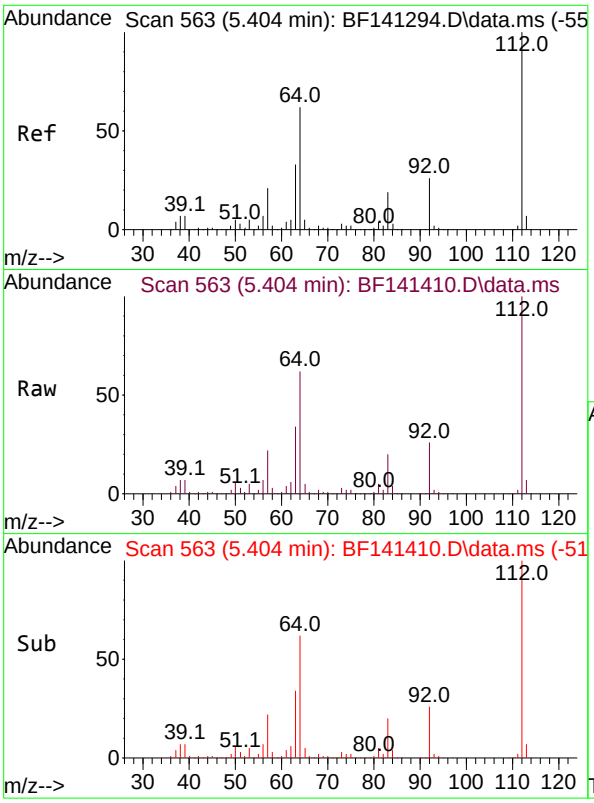


#4
n-Nitrosodimethylamine
Concen: 41.739 ng m
RT: 3.134 min Scan# 177
Delta R.T. -0.065 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 42 Resp: 148075

Ion	Ratio	Lower	Upper
42	100		
74	98.8	90.3	135.5
44	6.7	5.7	8.5



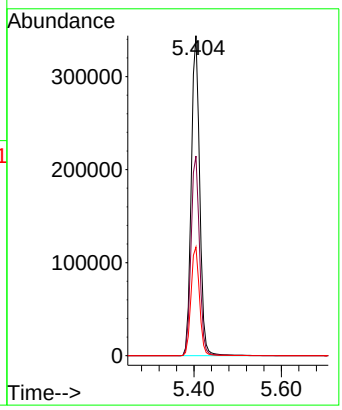


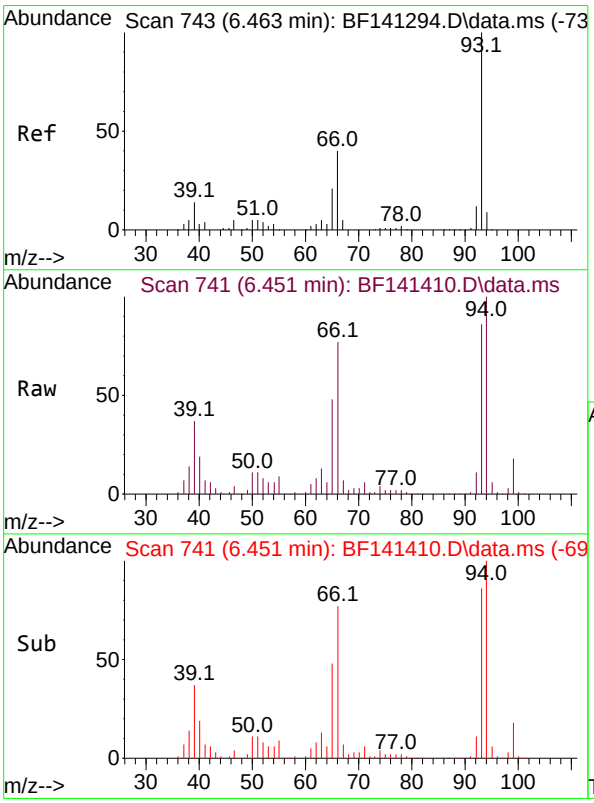
#5
2-Fluorophenol
Concen: 78.830 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 461991

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.8	74.8
63	34.0	26.1	39.1

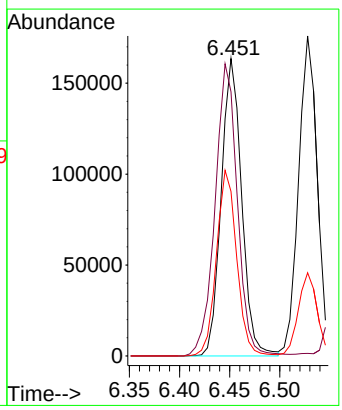


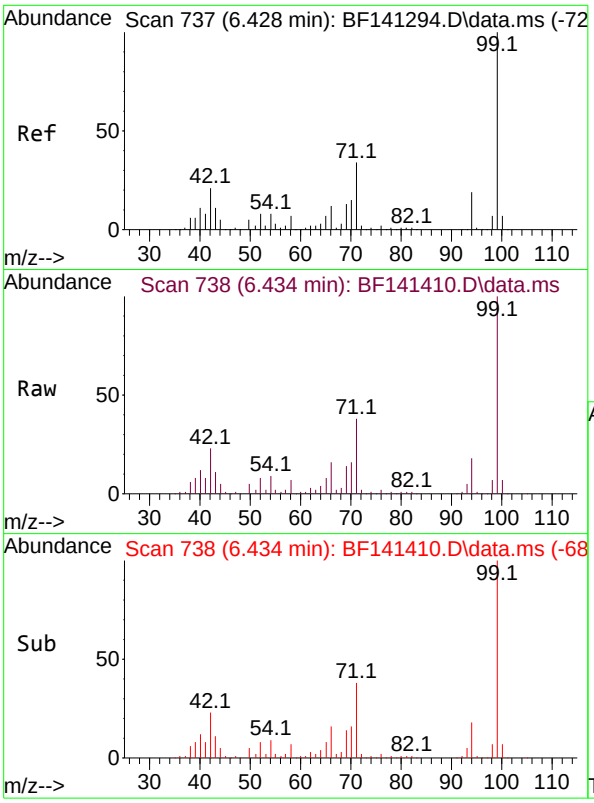


#6
Aniline
Concen: 36.617 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 231086

Ion	Ratio	Lower	Upper
93	100		
66	88.8	32.5	48.7#
65	55.3	17.0	25.6#



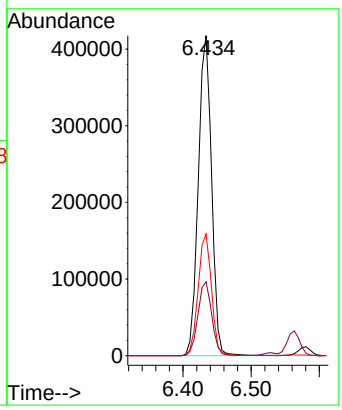


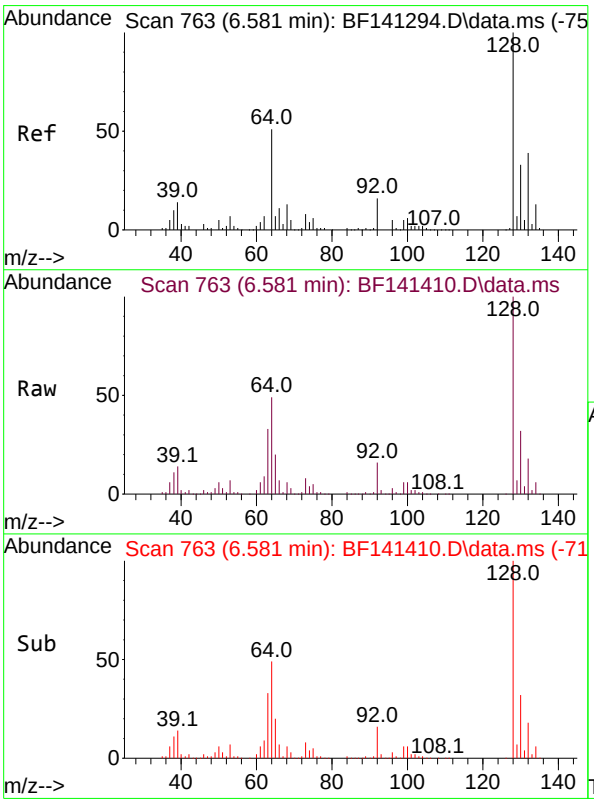
#7
Phenol-d6
Concen: 75.891 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 565803

Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.1	25.7
71	38.0	26.9	40.3

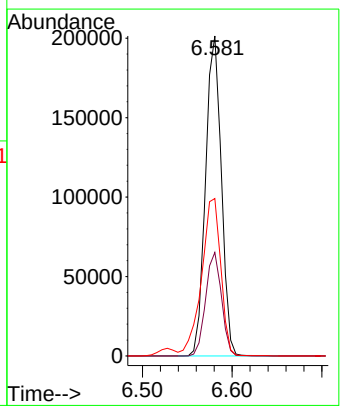


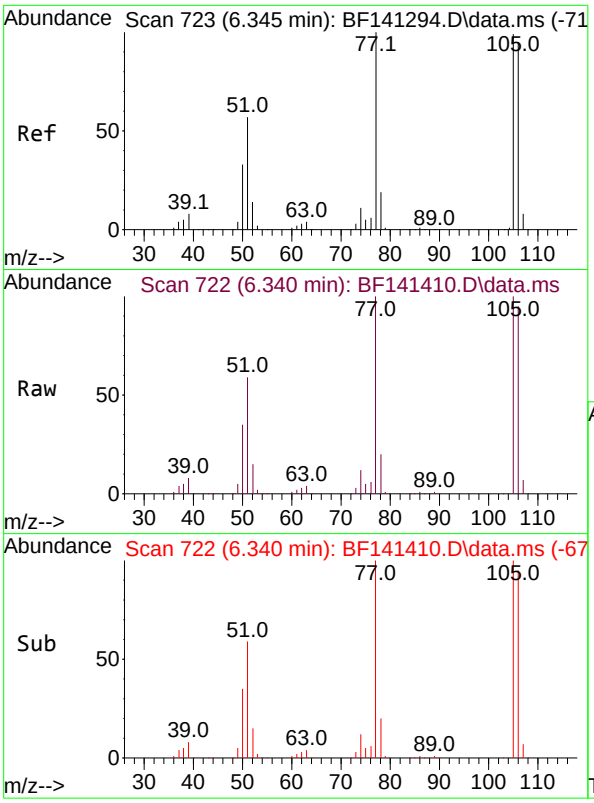


#8
2-Chlorophenol
Concen: 39.195 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:128 Resp: 246203

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.5	52.5
64	49.2	32.9	72.9



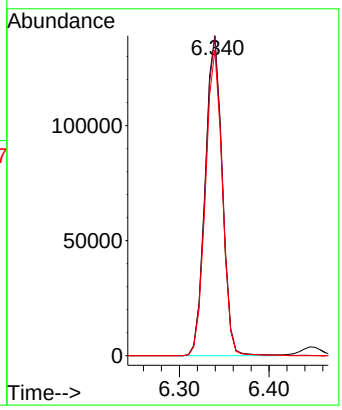


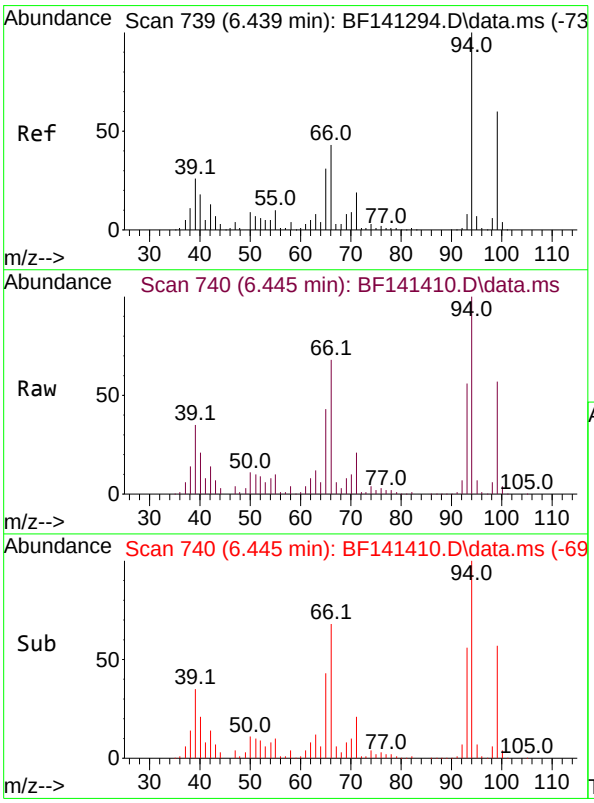
#9
Benzaldehyde
Concen: 42.215 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 182303

Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.4	119.4
106	95.4	74.6	114.6

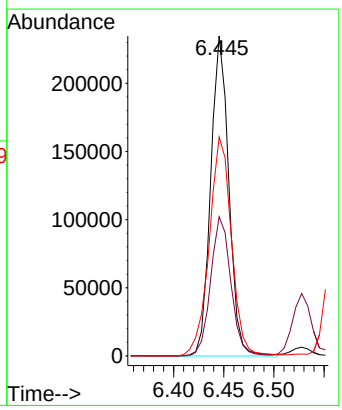


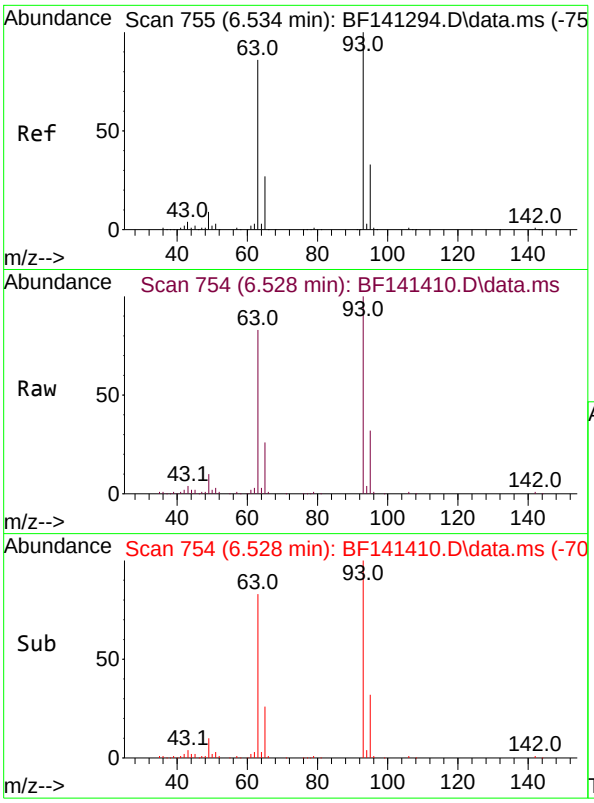


#10
Phenol
Concen: 37.247 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 94 Resp: 294371

Ion	Ratio	Lower	Upper
94	100		
65	43.5	10.8	50.8
66	68.5	23.3	63.3#



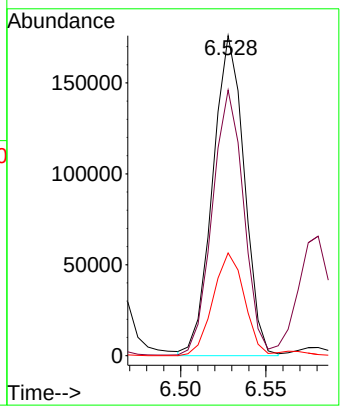


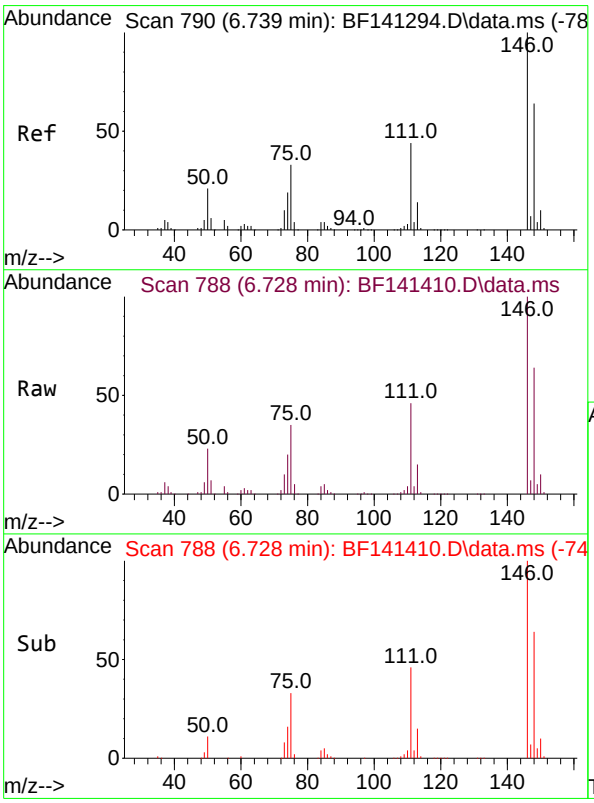
#11
bis(2-Chloroethyl)ether
Concen: 37.395 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 226600

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.0	105.0
95	32.1	12.4	52.4

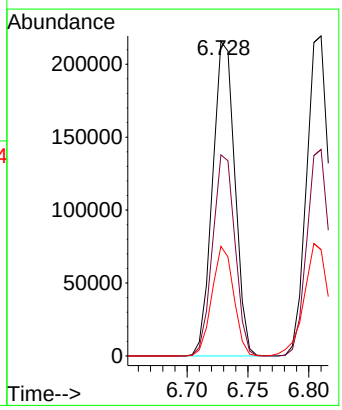


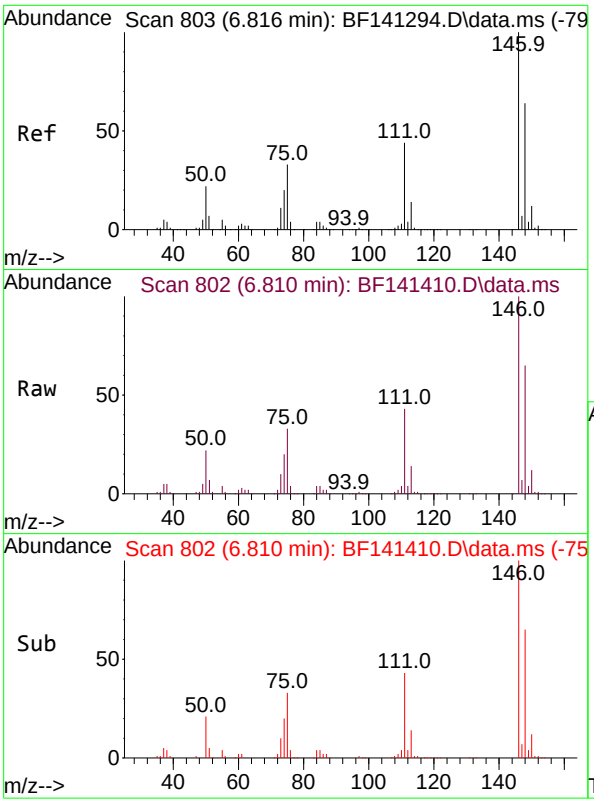


#12
1,3-Dichlorobenzene
Concen: 39.813 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:146 Resp: 275749

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
75	34.8	26.2	39.4



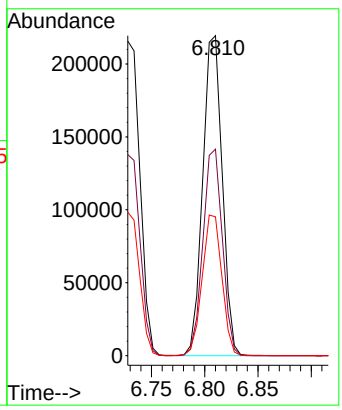


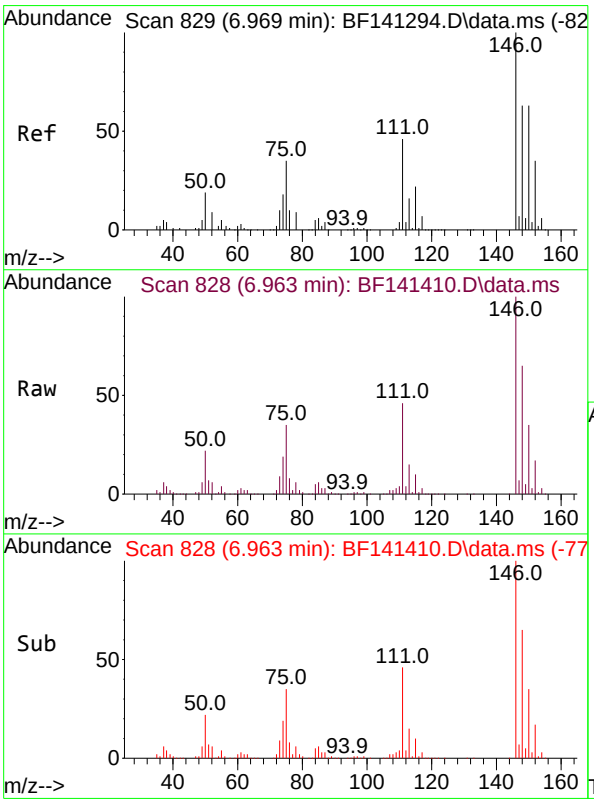
#13
1,4-Dichlorobenzene
Concen: 40.169 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 279491

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
111	43.4	35.0	52.4

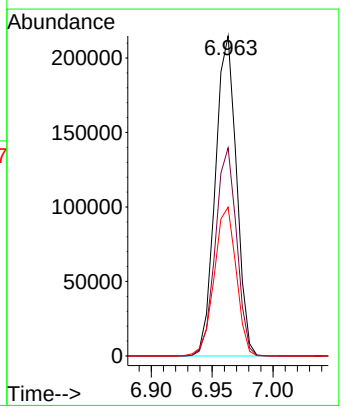


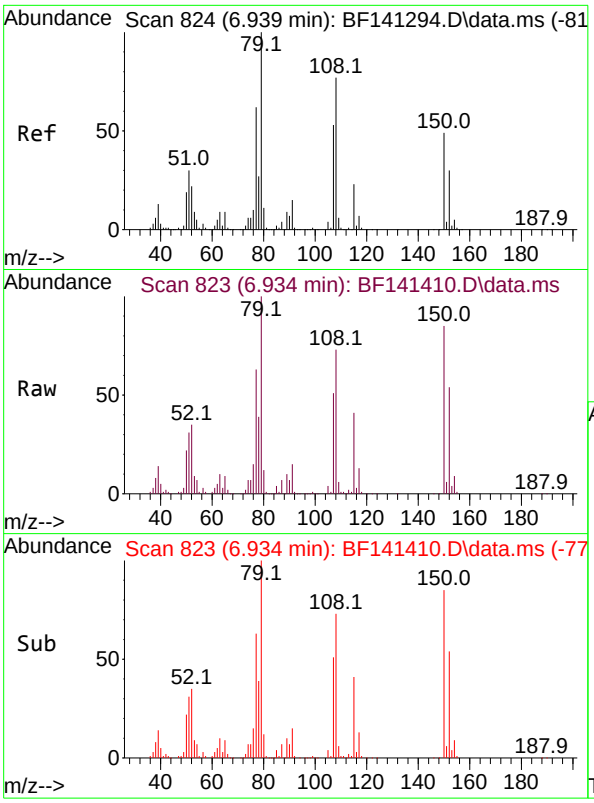


#14
1,2-Dichlorobenzene
Concen: 39.932 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:146 Resp: 260169

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.5	75.7
111	46.5	36.6	55.0



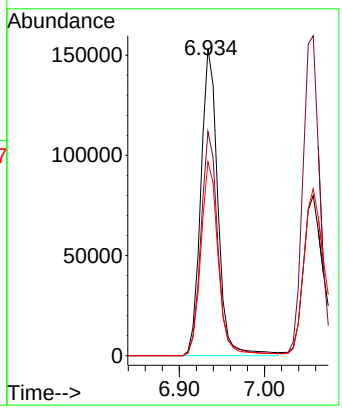


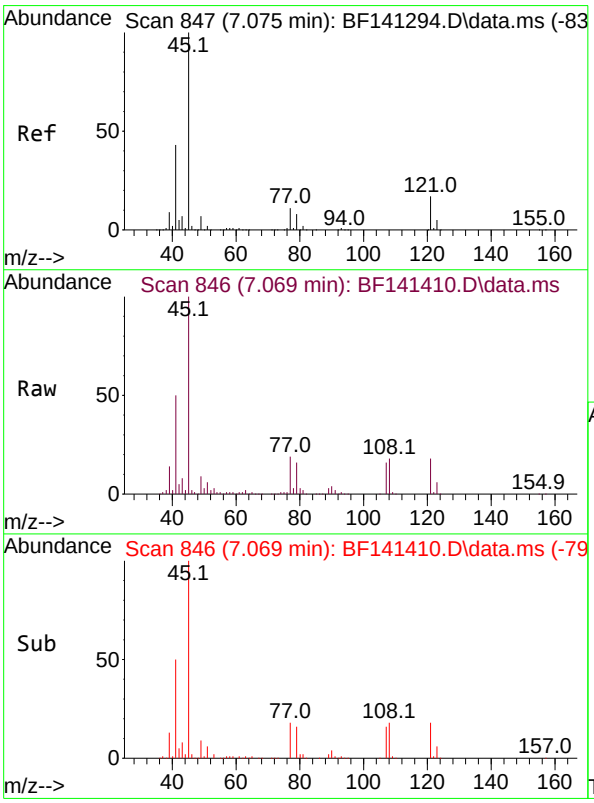
#15
Benzyl Alcohol
Concen: 41.681 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 212366

Ion	Ratio	Lower	Upper
79	100		
108	73.0	61.4	92.0
77	63.2	49.9	74.9

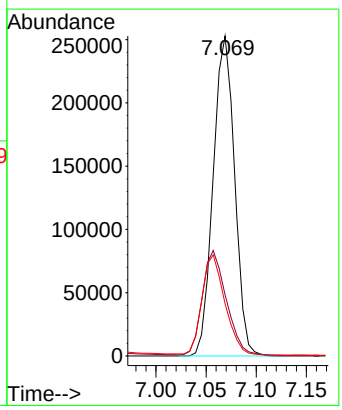


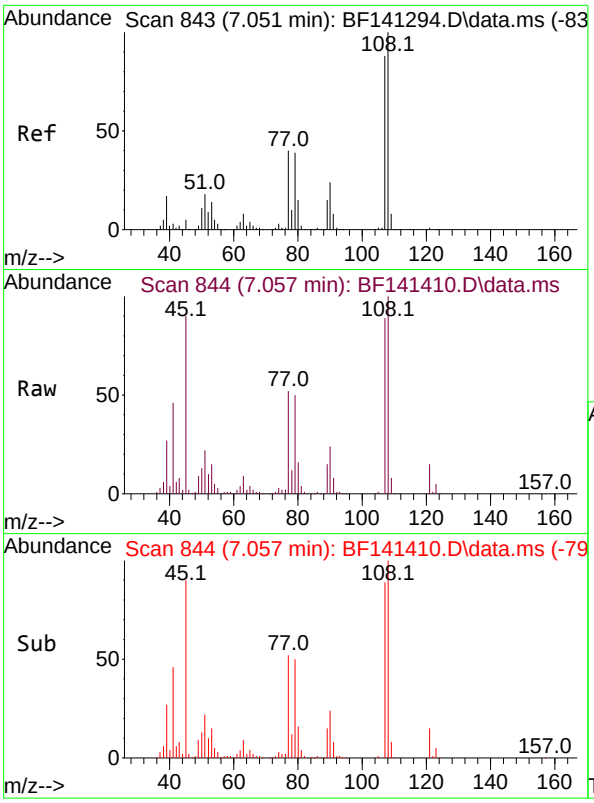


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.664 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 45 Resp: 375805

Ion	Ratio	Lower	Upper
45	100		
77	19.1	0.0	31.8
79	16.3	0.0	29.1



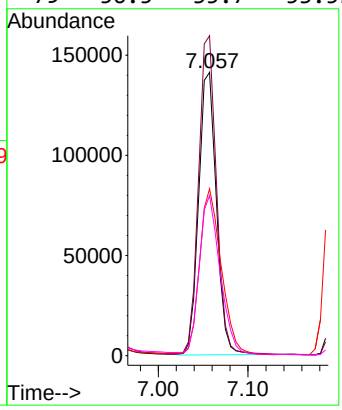


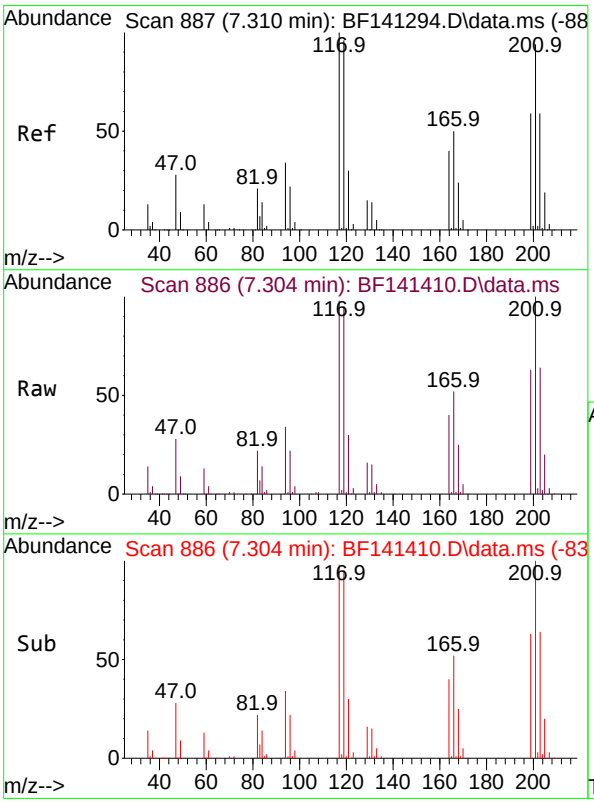
#17
2-Methylphenol
Concen: 38.055 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 194281

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.8	136.2
77	58.9	36.2	54.4#
79	56.5	35.7	53.5#

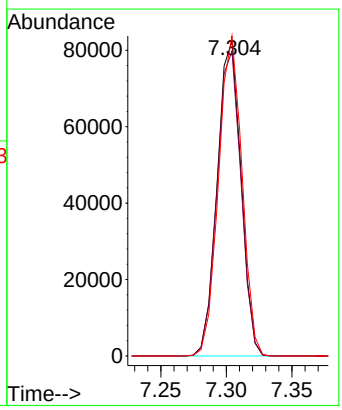


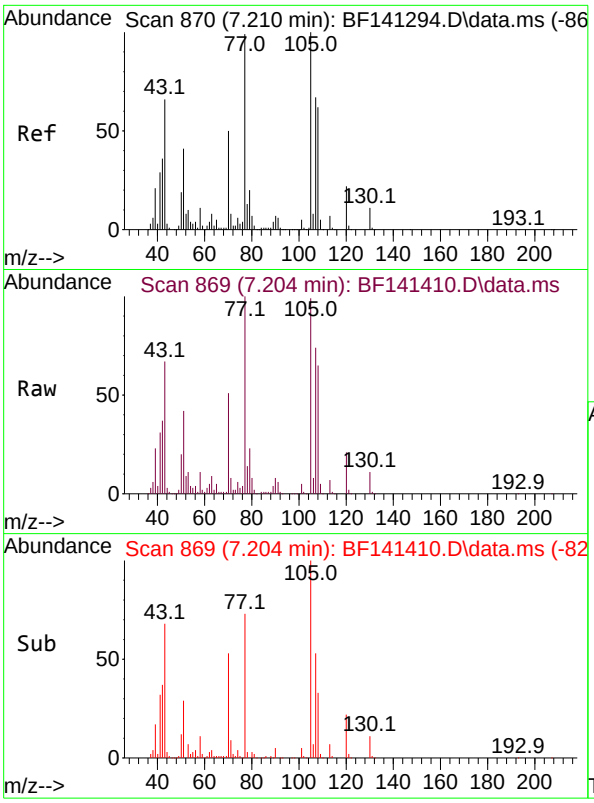


#18
Hexachloroethane
Concen: 40.467 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:117 Resp: 103872

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	114.8
201	101.6	74.8	112.2



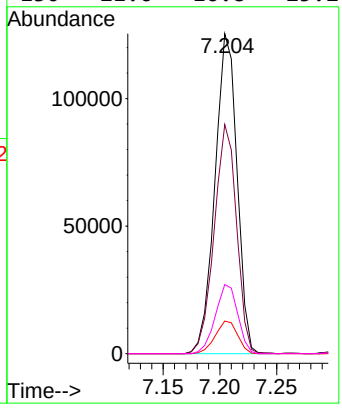


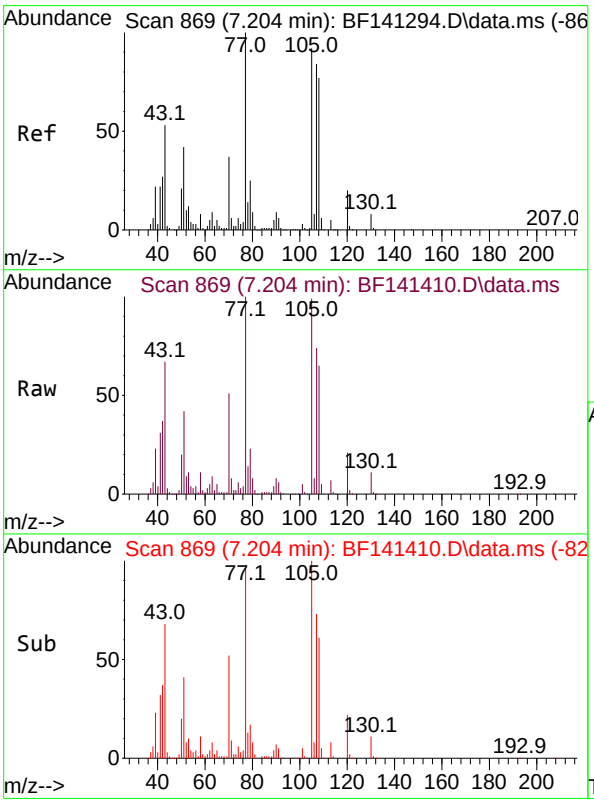
#19
n-Nitroso-di-n-propylamine
Concen: 38.325 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 169782

Ion	Ratio	Lower	Upper
70	100		
42	71.6	56.8	85.2
101	10.2	7.7	11.5
130	21.6	16.8	25.2

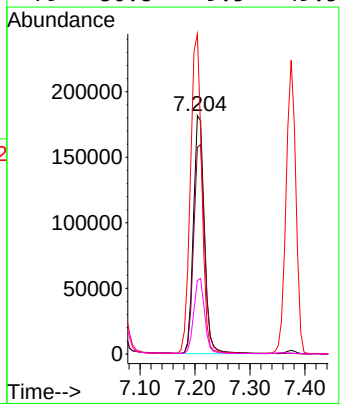


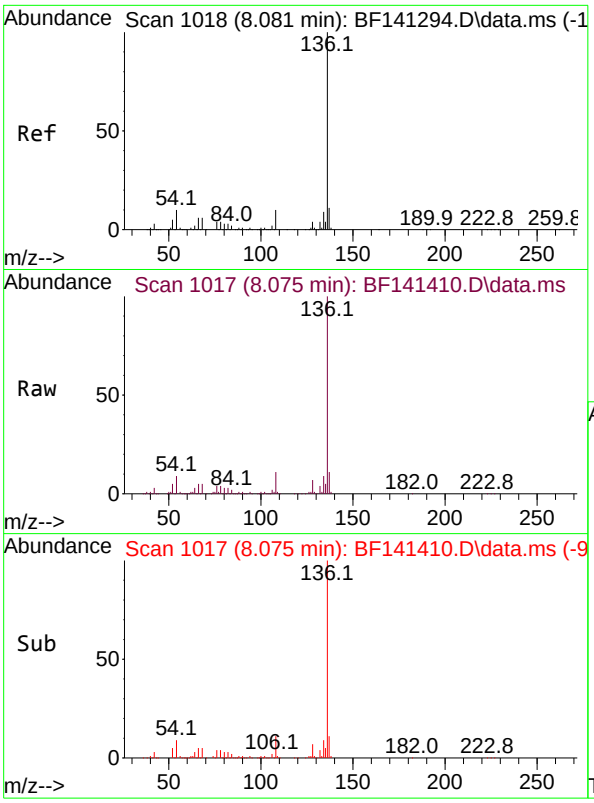


#20
3+4-Methylphenols
Concen: 40.064 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 251134

Ion	Ratio	Lower	Upper
107	100		
108	86.7	70.9	110.9
77	134.3	98.5	138.5
79	30.8	9.5	49.5



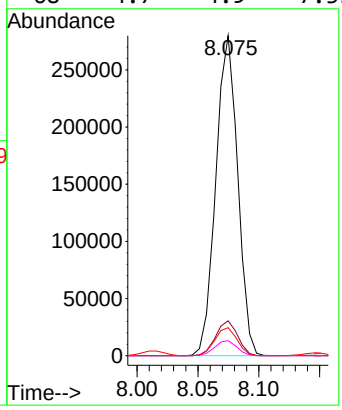


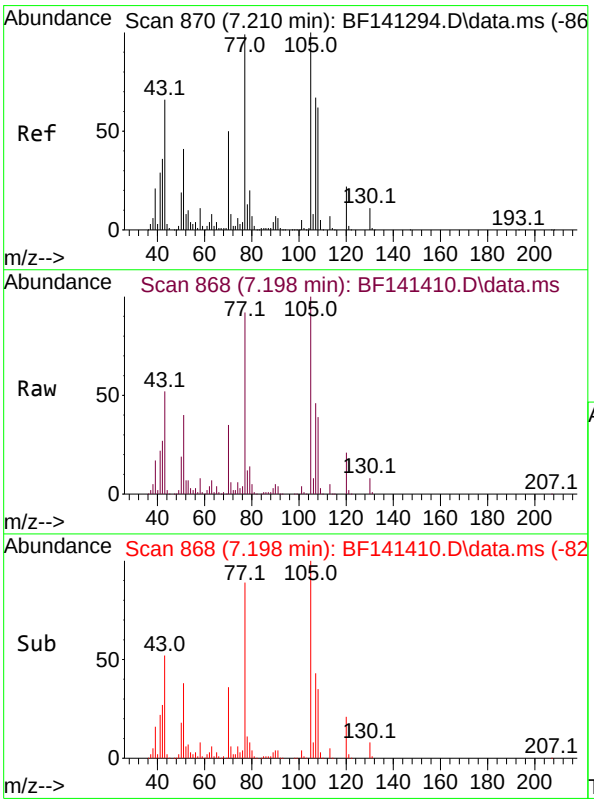
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 349697

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.8	11.8
68	4.7	4.9	7.3#

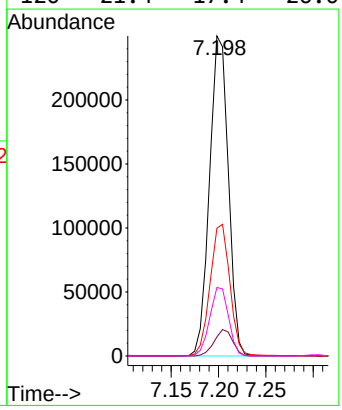


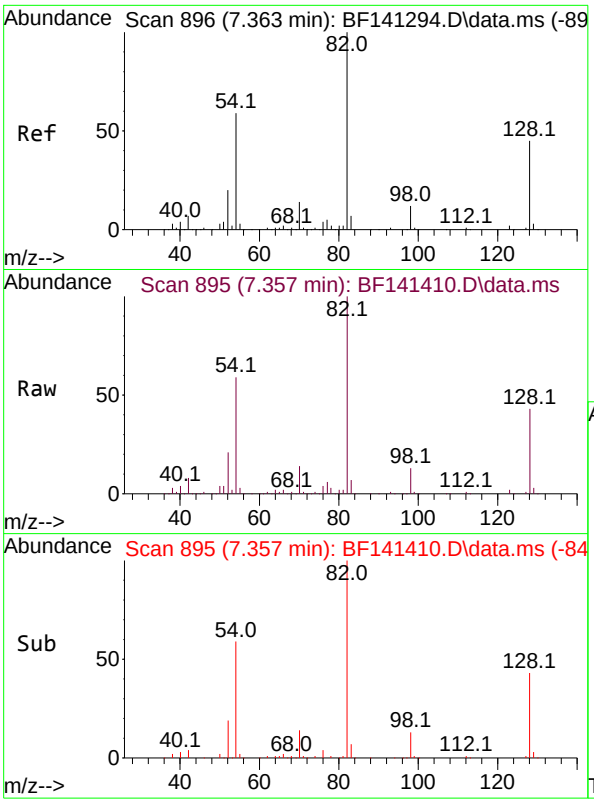


#22
Acetophenone
Concen: 41.572 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:105 Resp: 345559

Ion	Ratio	Lower	Upper
105	100		
71	5.9	6.8	10.2#
51	39.9	32.6	49.0
120	21.4	17.4	26.0



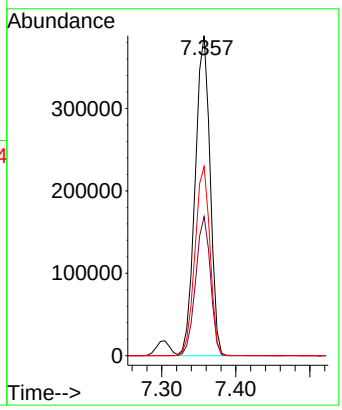


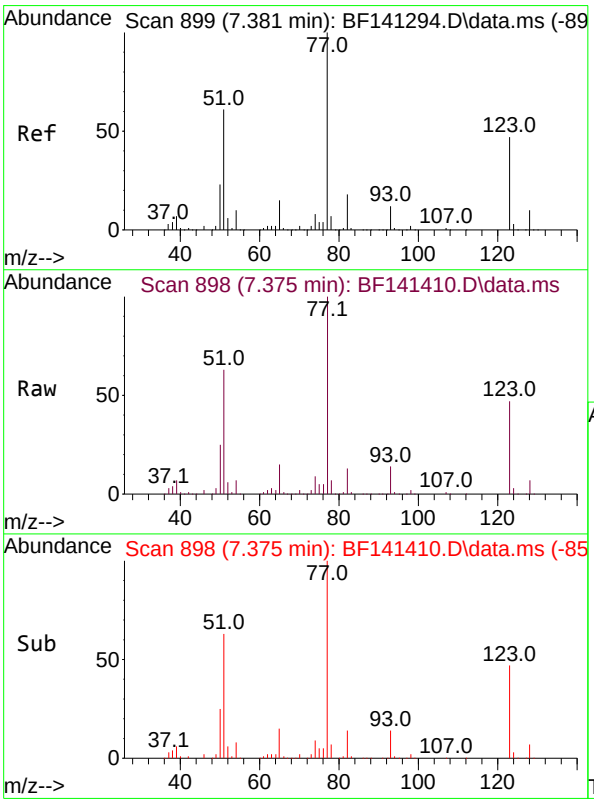
#23
Nitrobenzene-d5
Concen: 81.851 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 542962

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	59.1	47.1	70.7

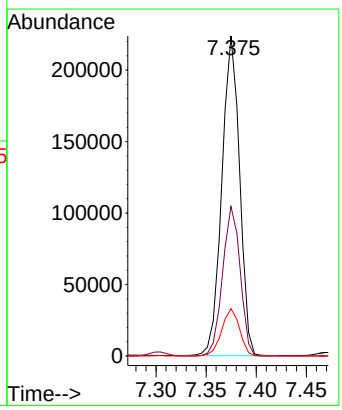


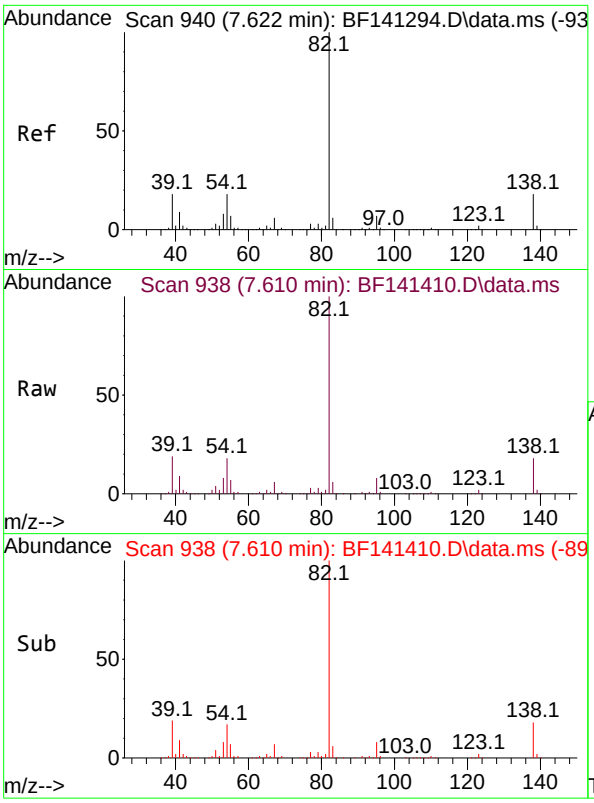


#24
Nitrobenzene
Concen: 40.006 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 77 Resp: 275017

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	14.8	11.8	17.6



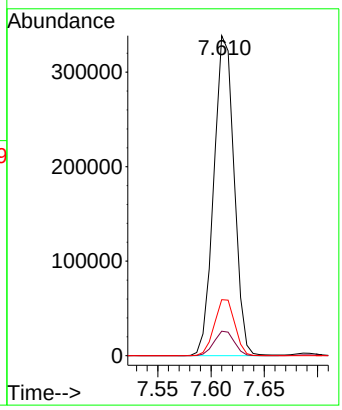


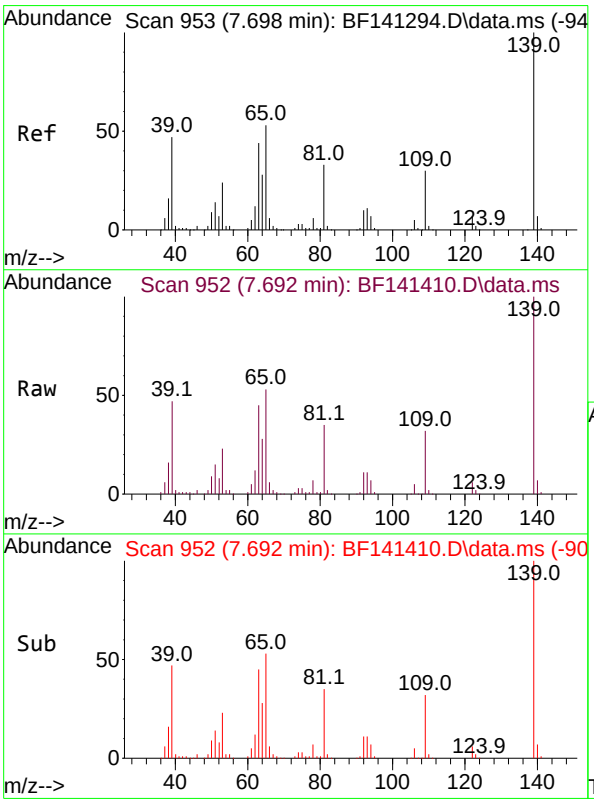
#25
Isophorone
Concen: 39.031 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 447558

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.8	8.6
138	17.5	14.7	22.1

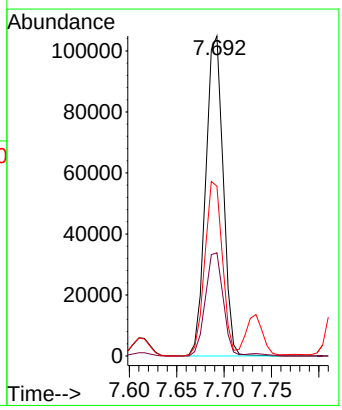


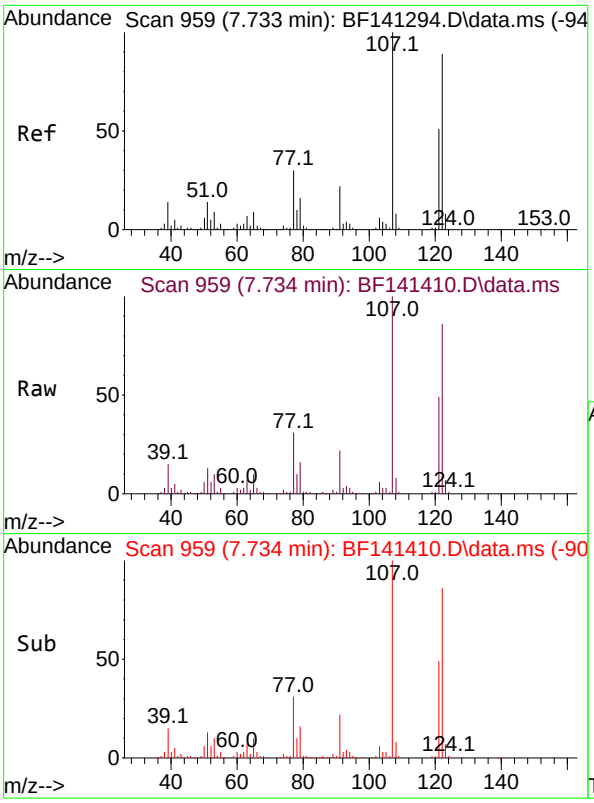


#26
2-Nitrophenol
Concen: 41.393 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:139 Resp: 134199

Ion	Ratio	Lower	Upper
139	100		
109	32.3	23.8	35.6
65	53.0	42.2	63.4



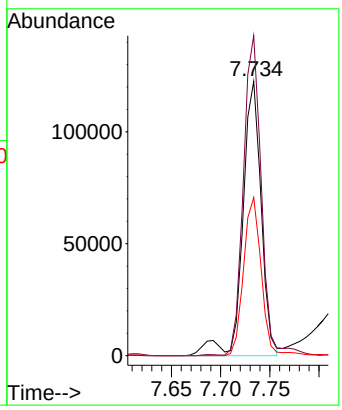


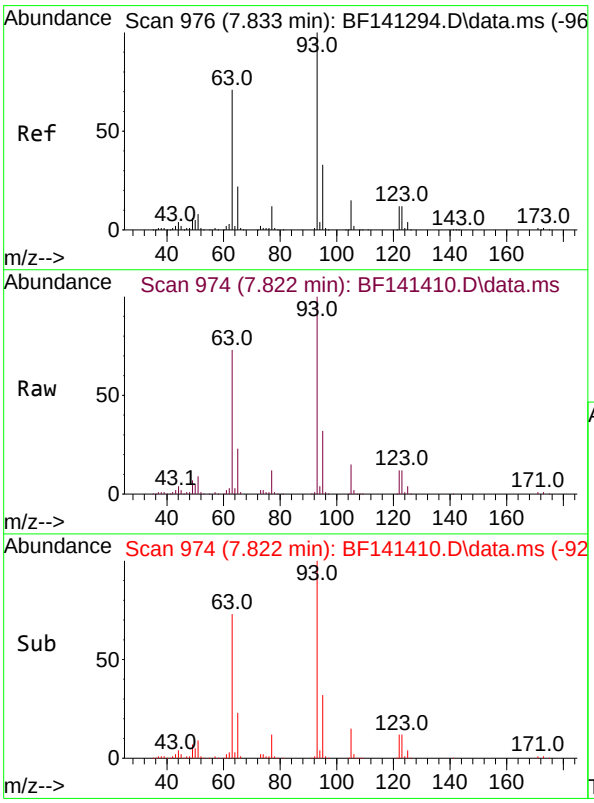
#27
2,4-Dimethylphenol
Concen: 38.672 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 159583

Ion	Ratio	Lower	Upper
122	100		
107	116.6	89.9	134.9
121	57.6	46.1	69.1

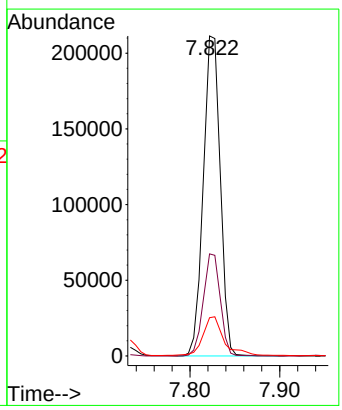


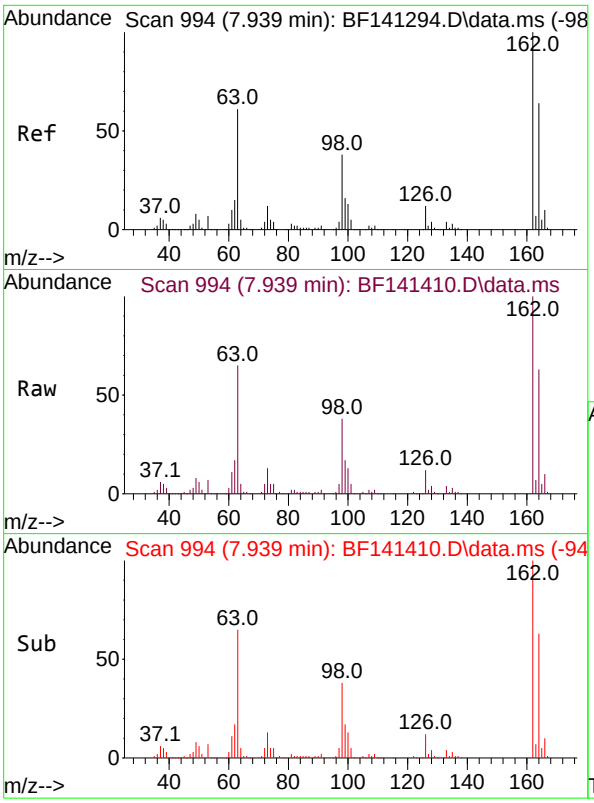


#28
bis(2-Chloroethoxy)methane
Concen: 38.030 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 278158

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.2
123	12.0	10.2	15.4



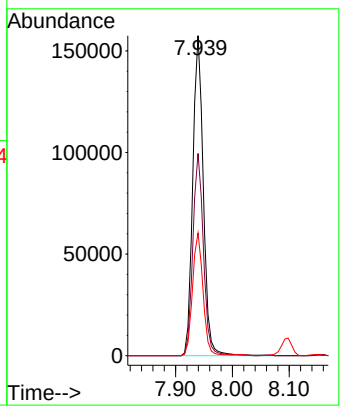


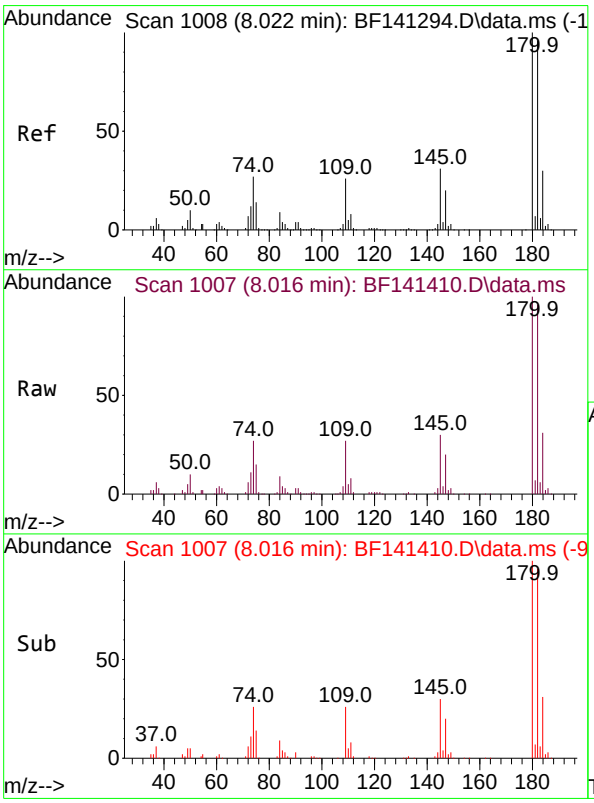
#29
2,4-Dichlorophenol
Concen: 40.477 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 204485

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.2	84.2
98	38.3	18.2	58.2

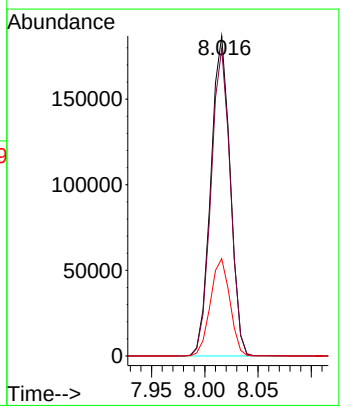


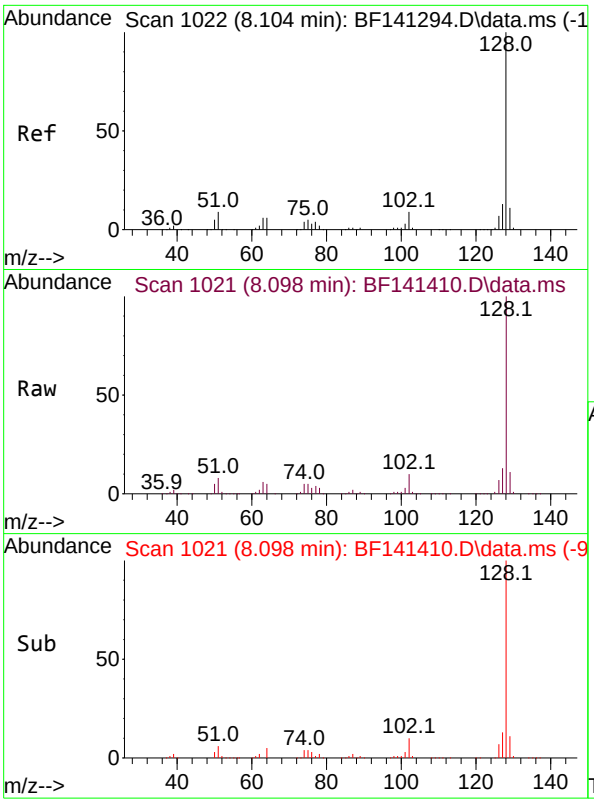


#30
1,2,4-Trichlorobenzene
Concen: 40.839 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:180 Resp: 235617

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
145	30.4	24.9	37.3



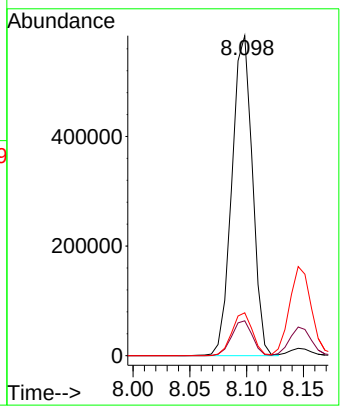


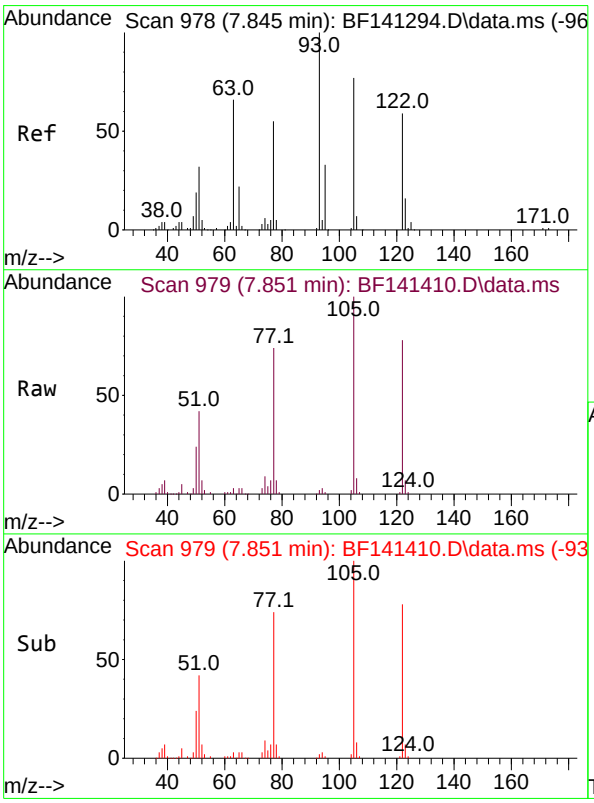
#31
Naphthalene
Concen: 39.696 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 733327

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.4	10.6	15.8

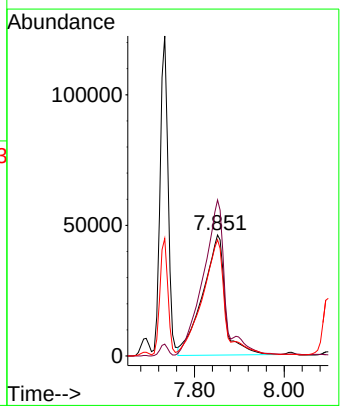


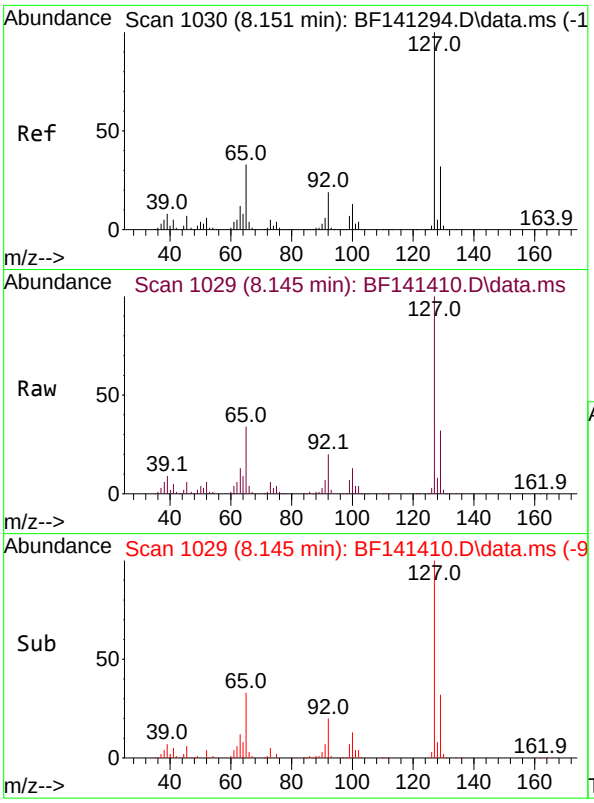


#32
Benzoic acid
Concen: 42.423 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:122 Resp: 160931

Ion	Ratio	Lower	Upper
122	100		
105	129.0	103.4	143.4
77	96.1	70.9	110.9



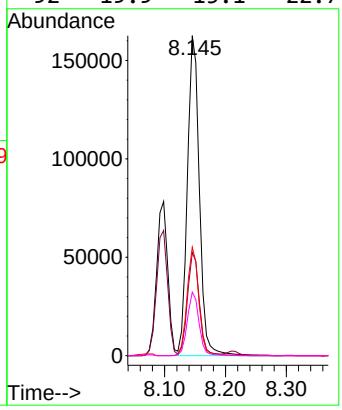


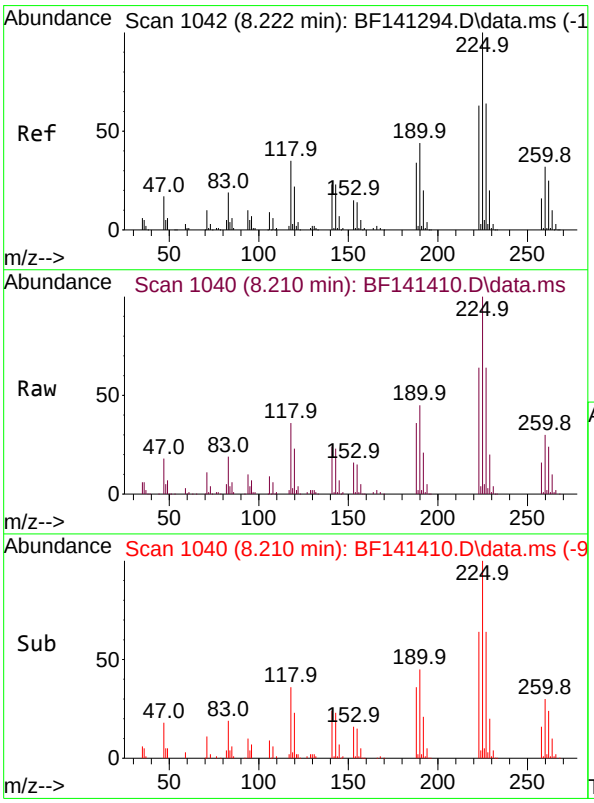
#33
4-Chloroaniline
Concen: 35.561 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 222768

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	33.9	26.4	39.6
92	19.9	15.1	22.7

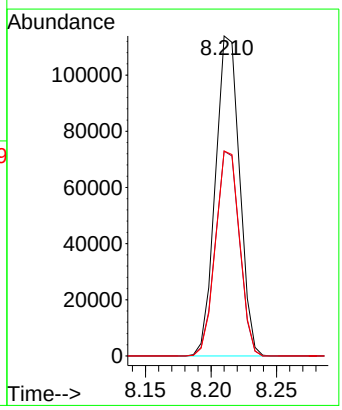


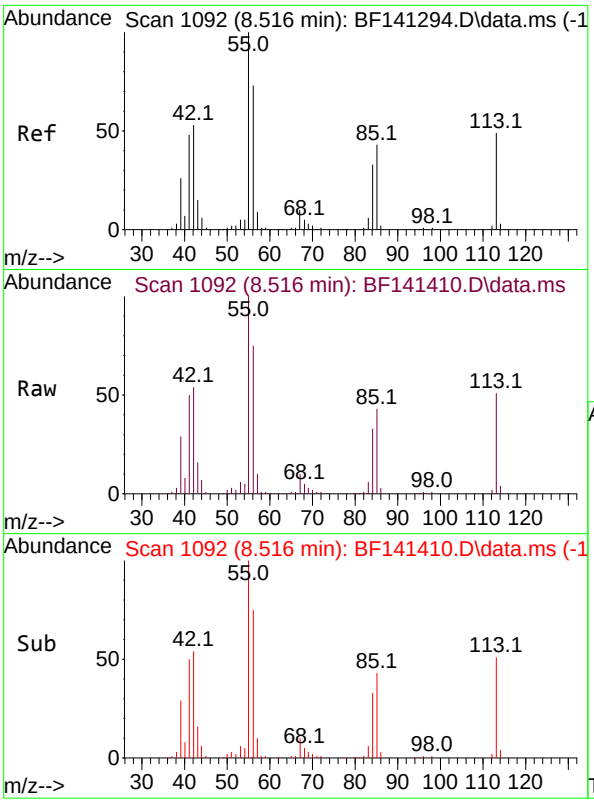


#34
Hexachlorobutadiene
Concen: 43.093 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:225 Resp: 145800

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.4	75.6
227	64.0	51.3	76.9



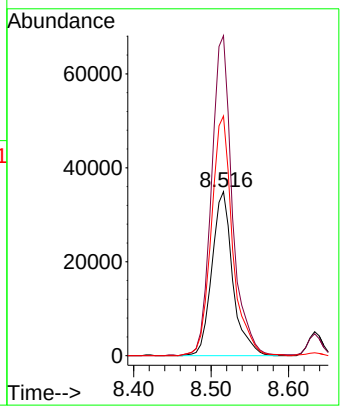


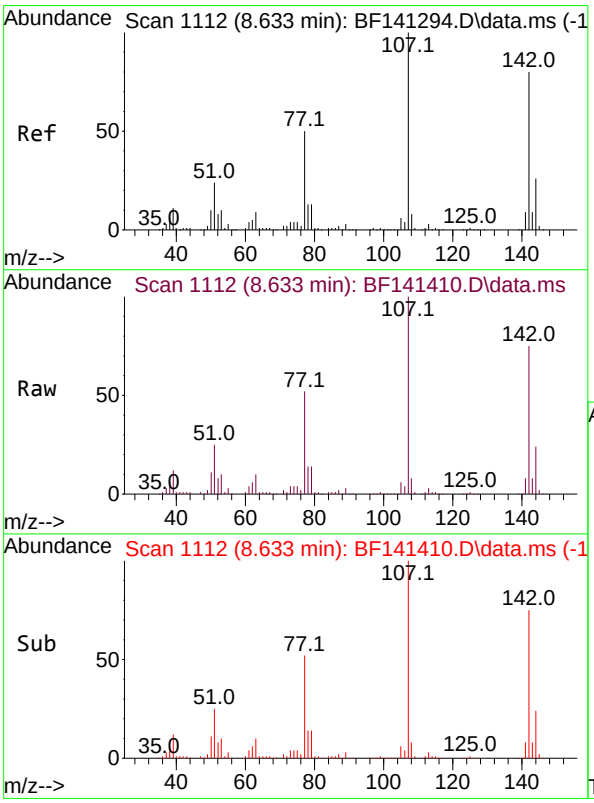
#35
Caprolactam
Concen: 39.448 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 65085

Ion	Ratio	Lower	Upper
113	100		
55	195.0	182.9	222.9
56	146.1	127.9	167.9

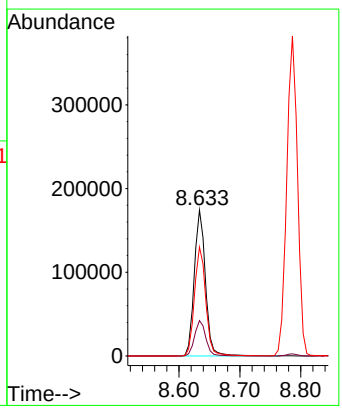


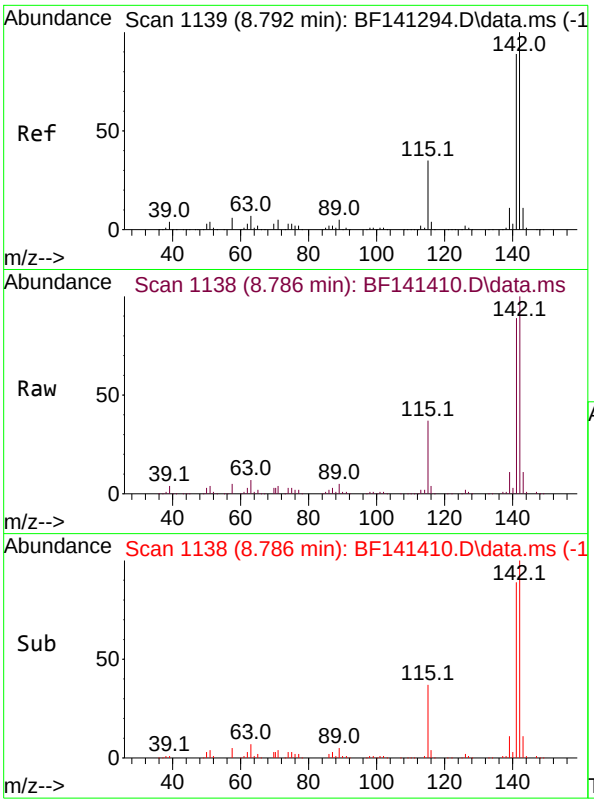


#36
4-Chloro-3-methylphenol
Concen: 41.200 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 223256

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.7	31.1
142	74.7	63.8	95.8



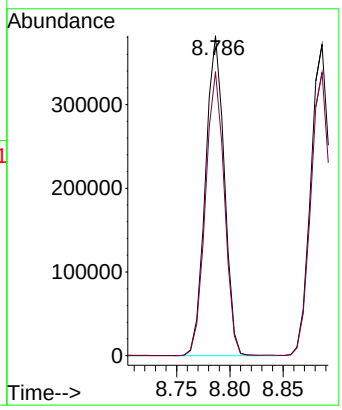


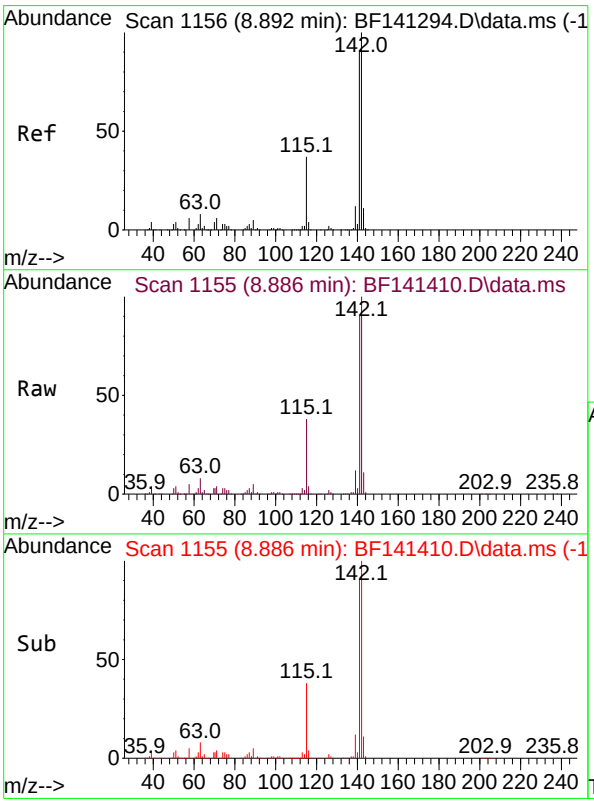
#37
2-Methylnaphthalene
Concen: 40.115 ng
RT: 8.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 471006

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9

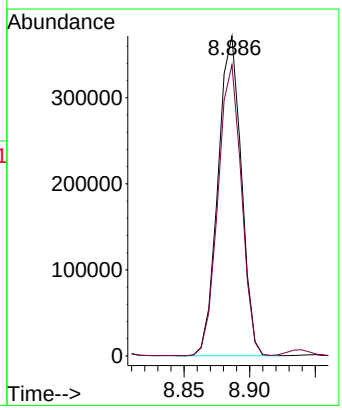


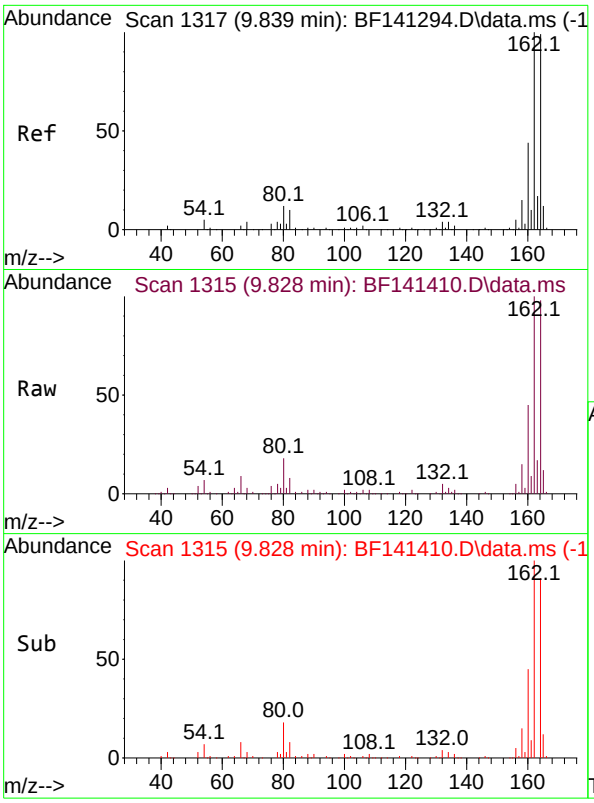


#38
1-Methylnaphthalene
Concen: 39.867 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:142 Resp: 459817

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.2	109.8



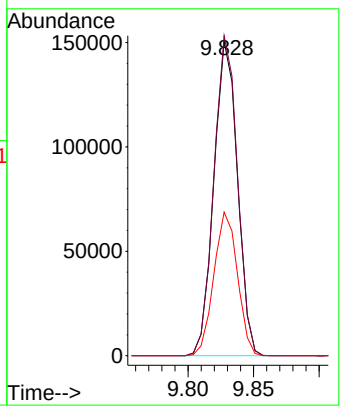


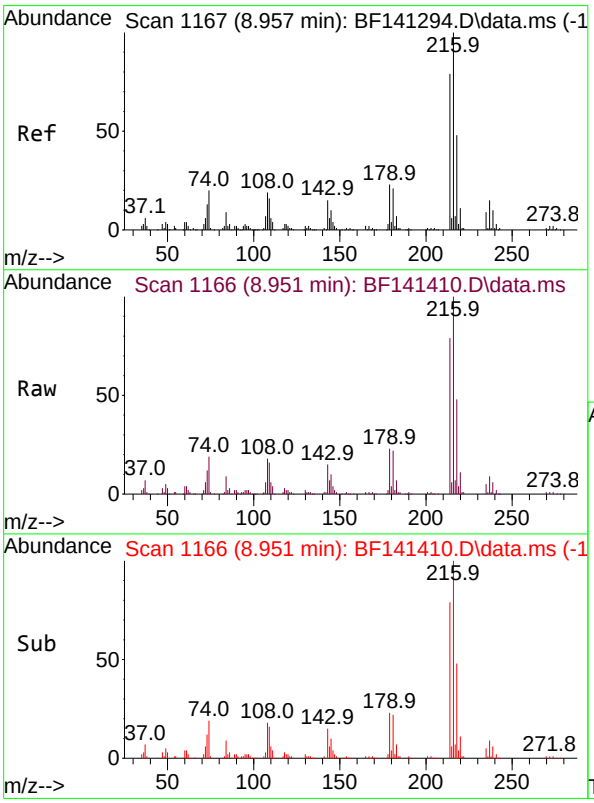
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 187729

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	121.0
160	45.7	35.8	53.6

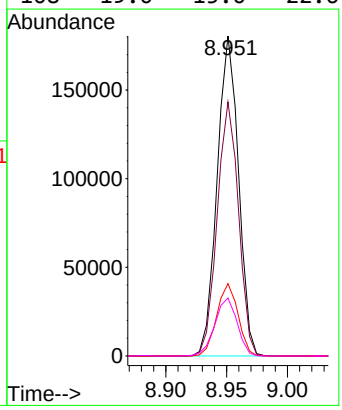


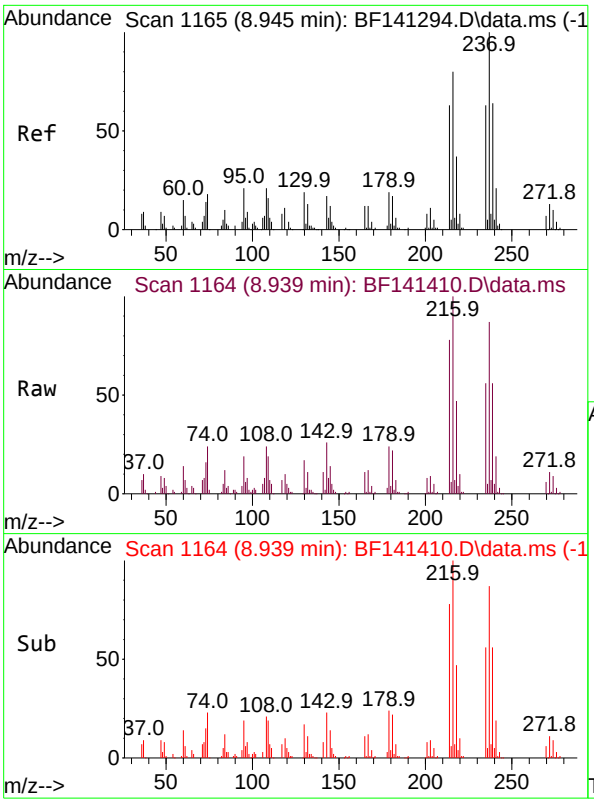


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.284 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:216 Resp: 220482

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.6	17.8	26.8
108	19.0	15.0	22.6



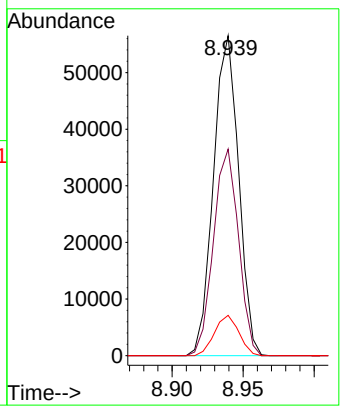


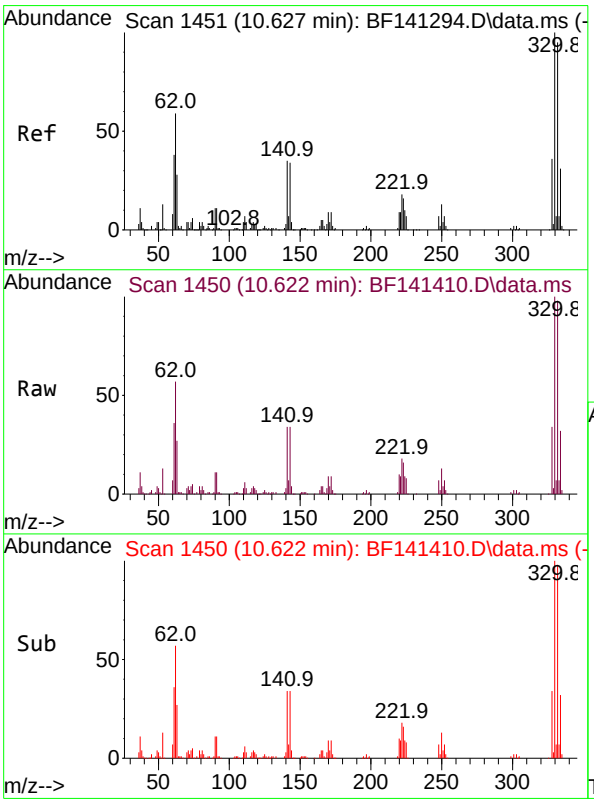
#41
Hexachlorocyclopentadiene
Concen: 44.139 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 69619

Ion	Ratio	Lower	Upper
237	100		
235	64.5	42.9	82.9
272	12.6	0.0	32.8

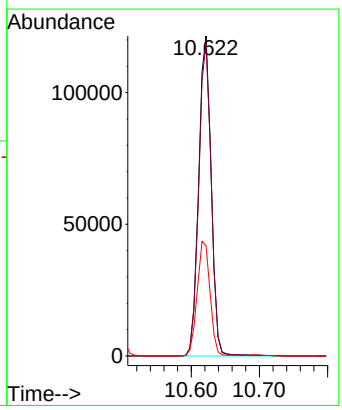


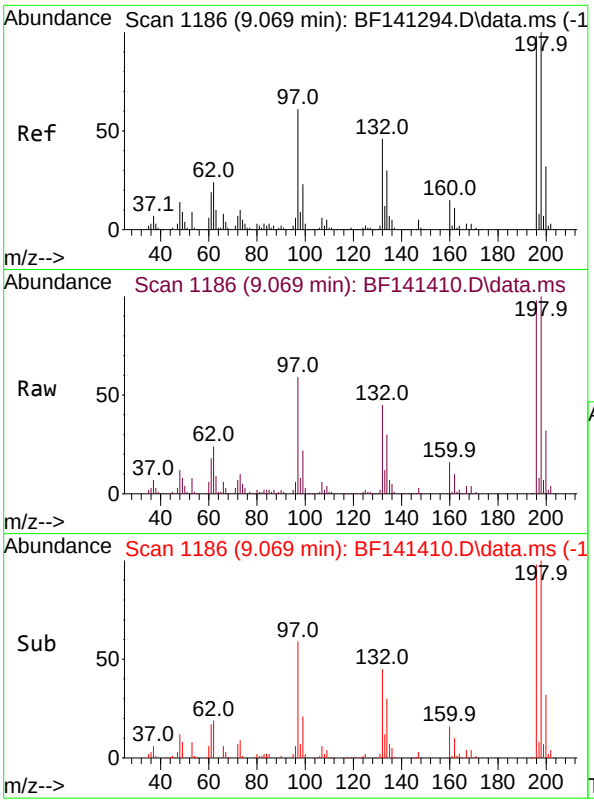


#42
2,4,6-Tribromophenol
Concen: 89.734 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:330 Resp: 154436

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.1	114.1
141	37.1	28.8	43.2



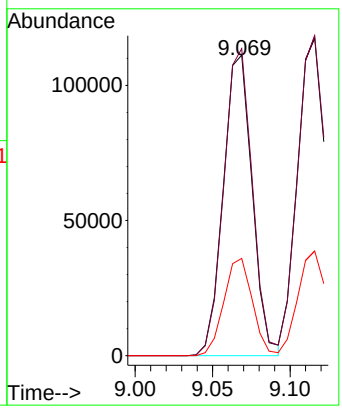


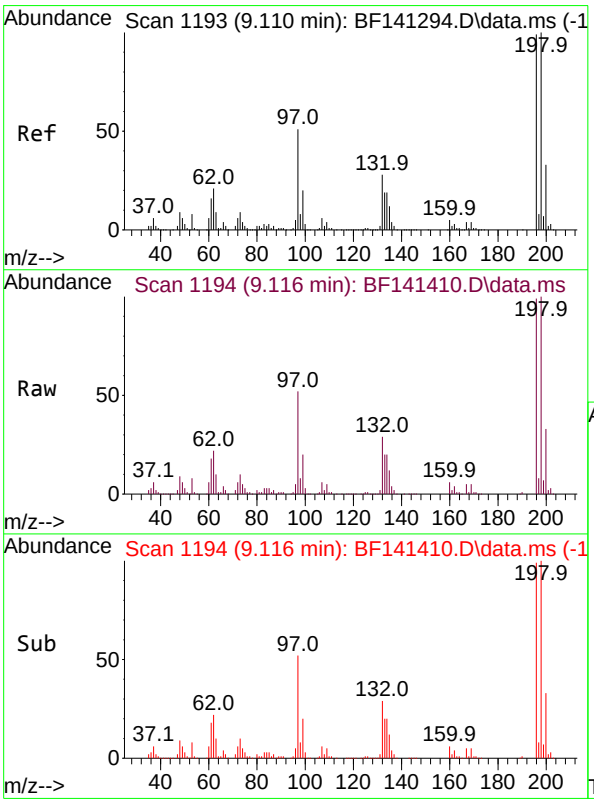
#43
2,4,6-Trichlorophenol
Concen: 41.335 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 144492

Ion	Ratio	Lower	Upper
196	100		
198	102.1	81.8	122.6
200	32.3	26.3	39.5

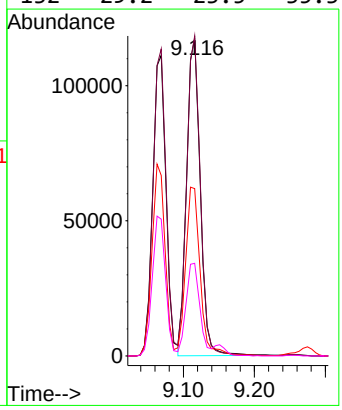


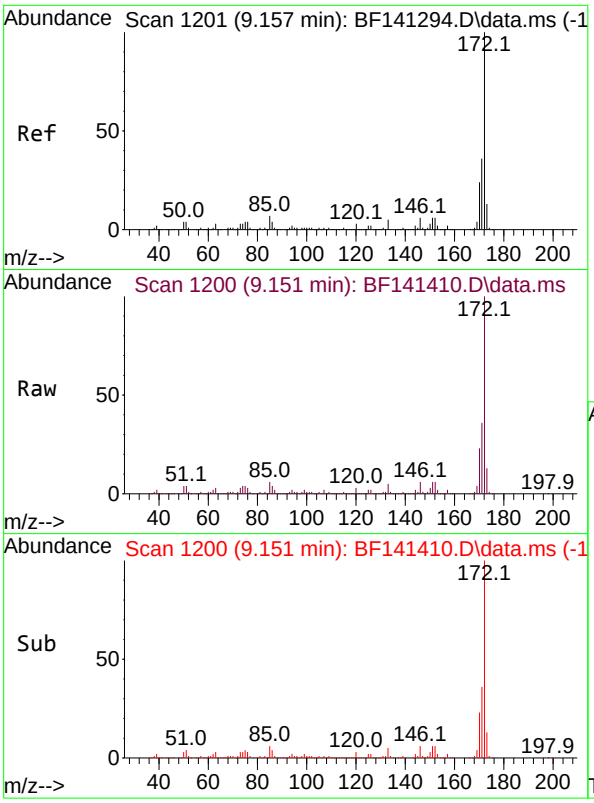


#44
2,4,5-Trichlorophenol
Concen: 41.404 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:196 Resp: 157526

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.5	120.7
97	52.7	42.8	64.2
132	29.2	23.5	35.3



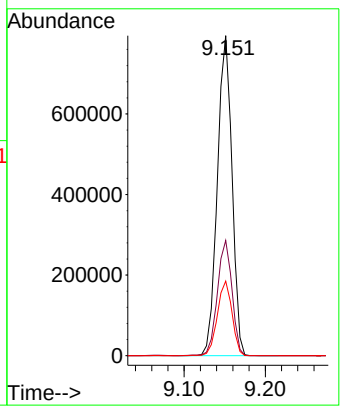


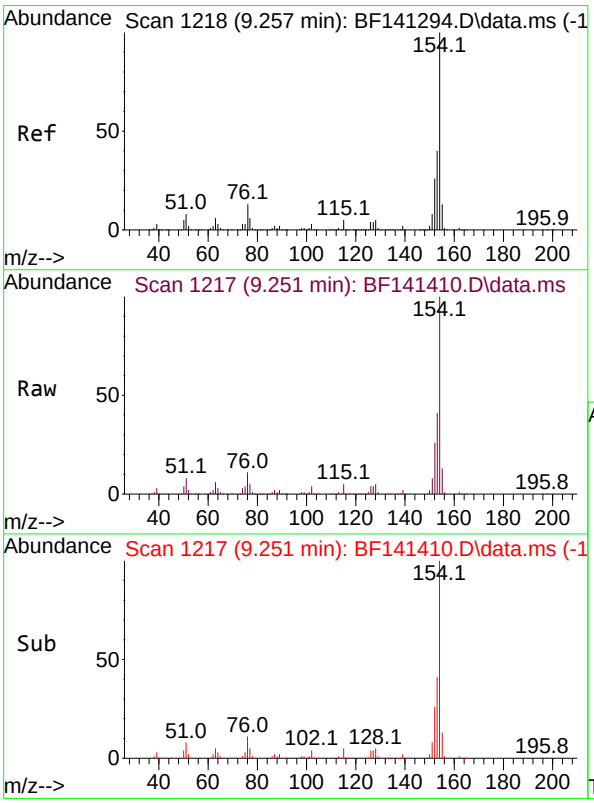
#45
2-Fluorobiphenyl
Concen: 81.709 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 996571

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.3	19.0	28.6

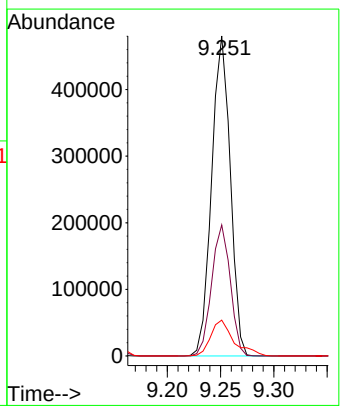


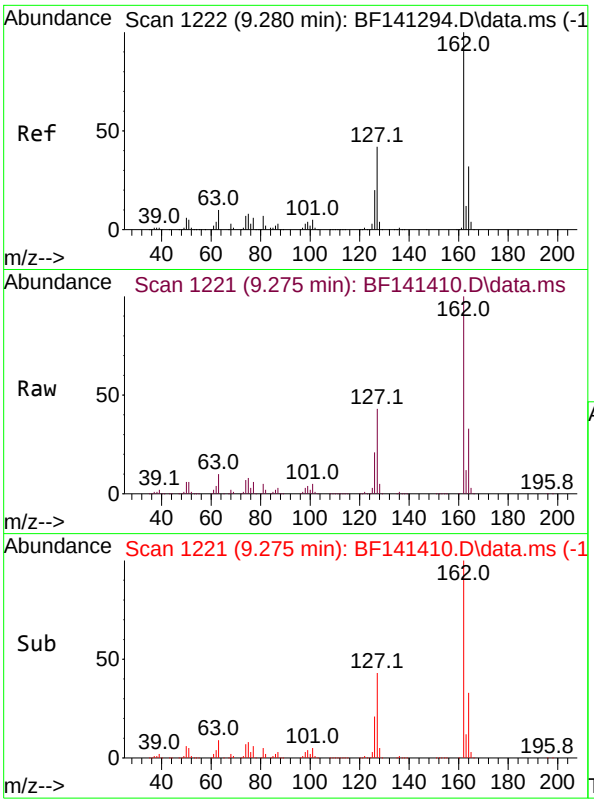


#46
1,1'-Biphenyl
Concen: 39.860 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:154 Resp: 583575

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.0	60.0
76	11.2	0.0	32.8



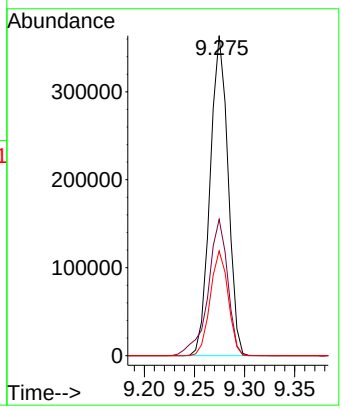


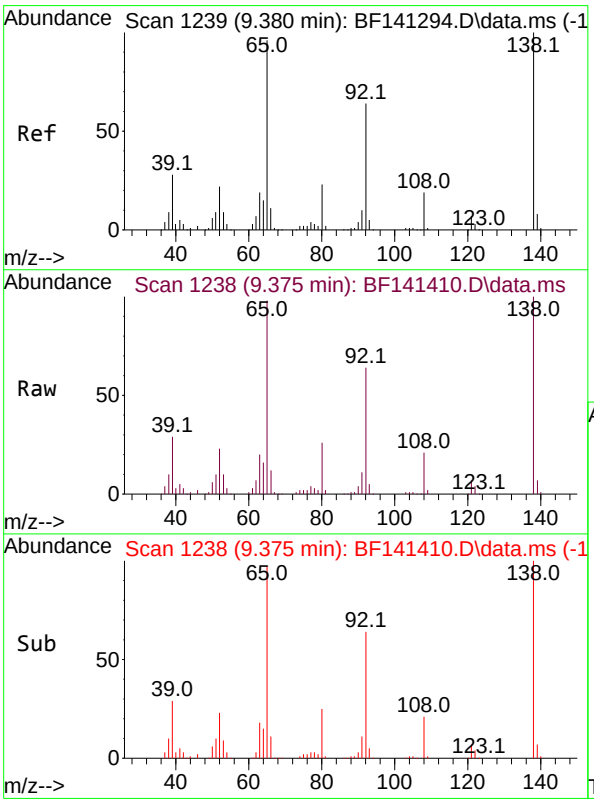
#47
2-Chloronaphthalene
Concen: 39.569 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 451544

Ion	Ratio	Lower	Upper
162	100		
127	42.6	33.7	50.5
164	32.7	25.9	38.9

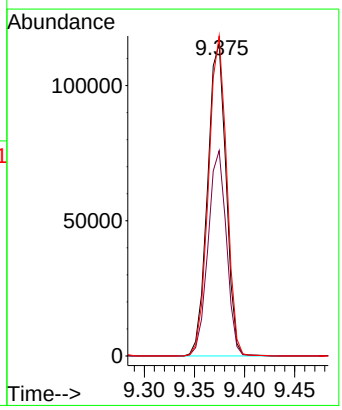


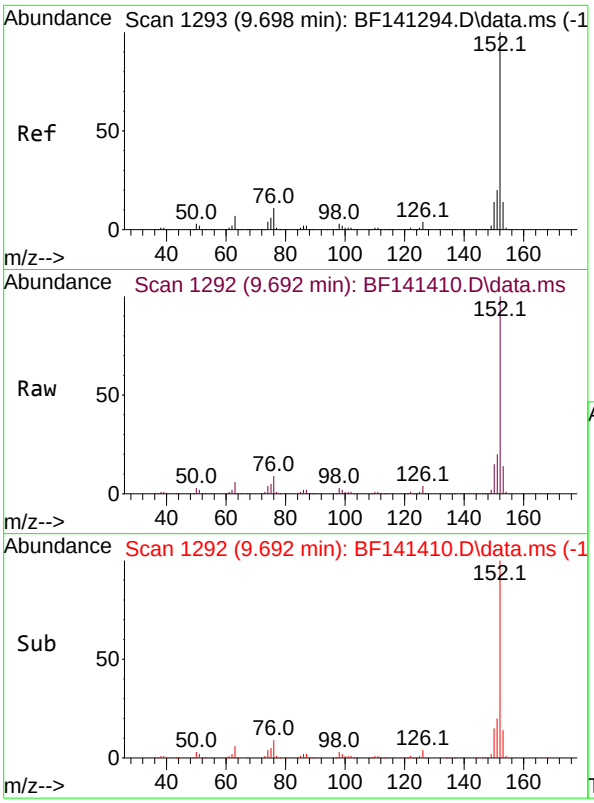


#48
2-Nitroaniline
Concen: 41.421 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 65 Resp: 148678

Ion	Ratio	Lower	Upper
65	100		
92	65.7	53.3	79.9
138	102.4	83.6	125.4



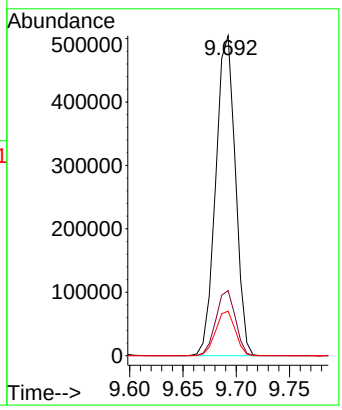


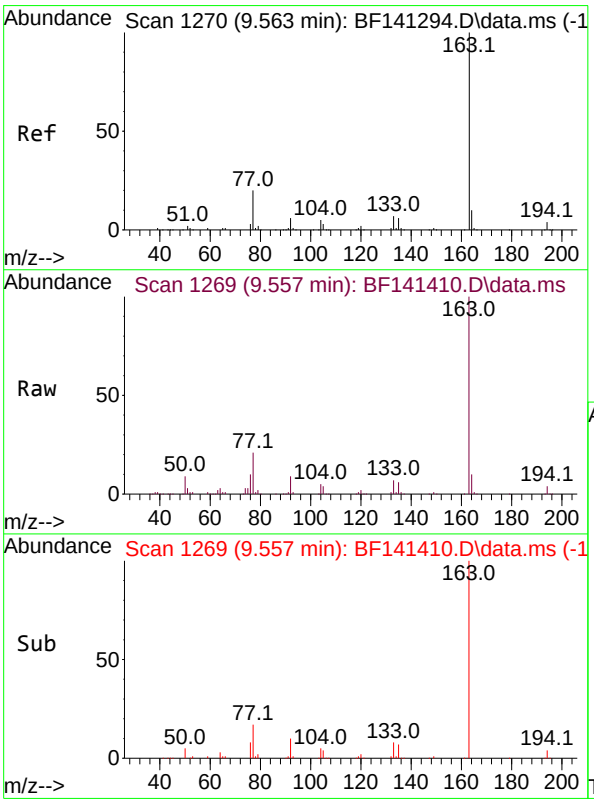
#49
Acenaphthylene
Concen: 40.428 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 645795

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.9	11.0	16.6

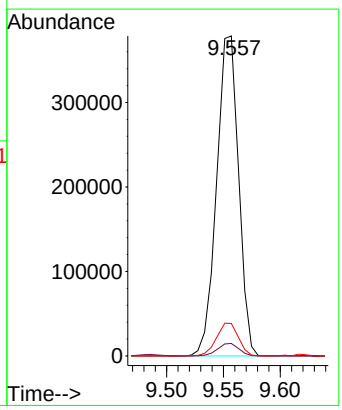


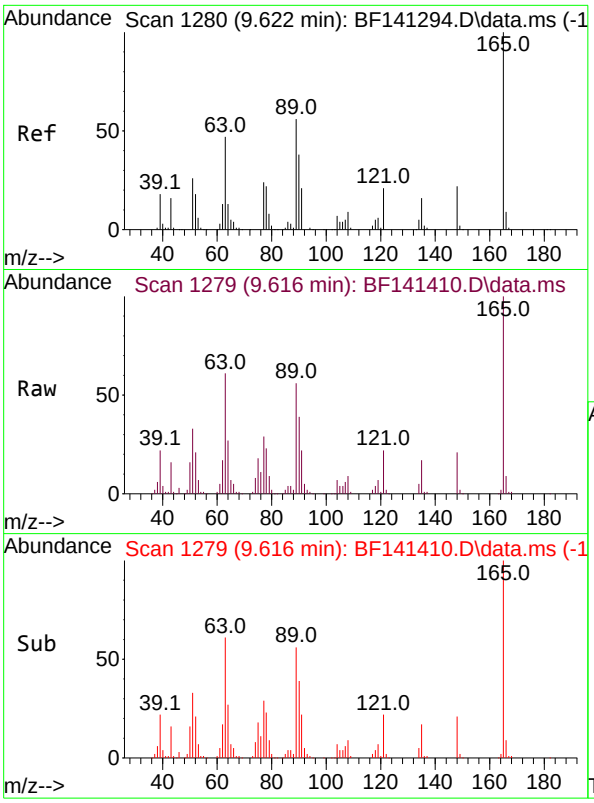


#50
Dimethylphthalate
Concen: 40.231 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:163 Resp: 510098

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.0	12.0



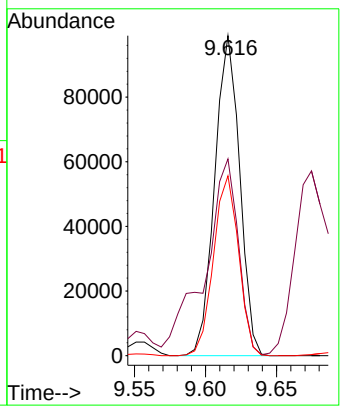


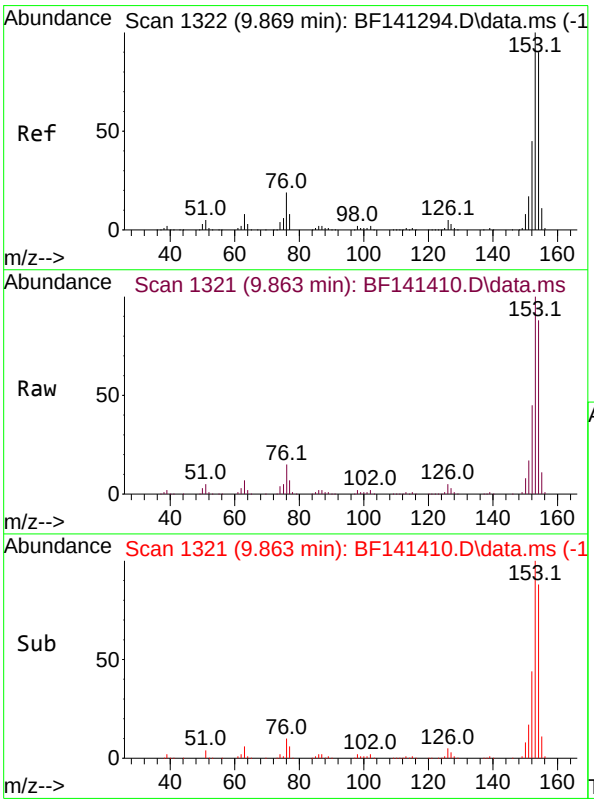
#51
2,6-Dinitrotoluene
Concen: 41.088 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 120960

Ion	Ratio	Lower	Upper
165	100		
63	61.5	48.1	72.1
89	56.2	44.9	67.3

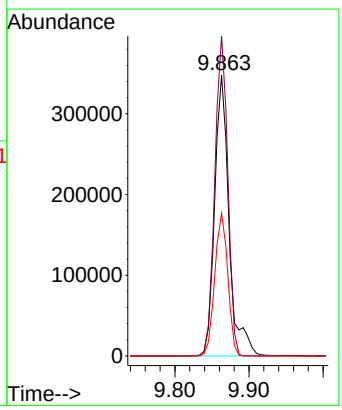


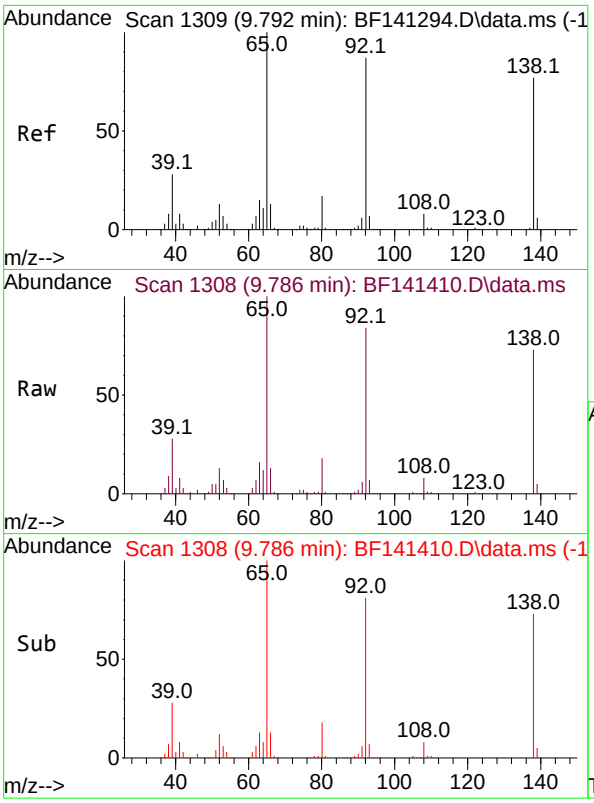


#52
Acenaphthene
Concen: 41.148 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:154 Resp: 469576

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.0	133.4
152	50.8	40.2	60.4



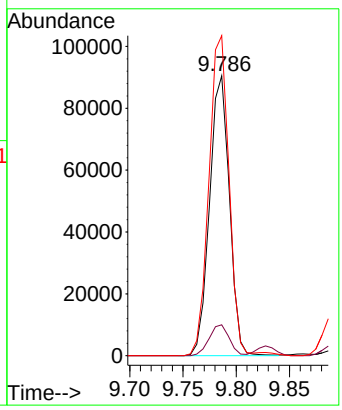


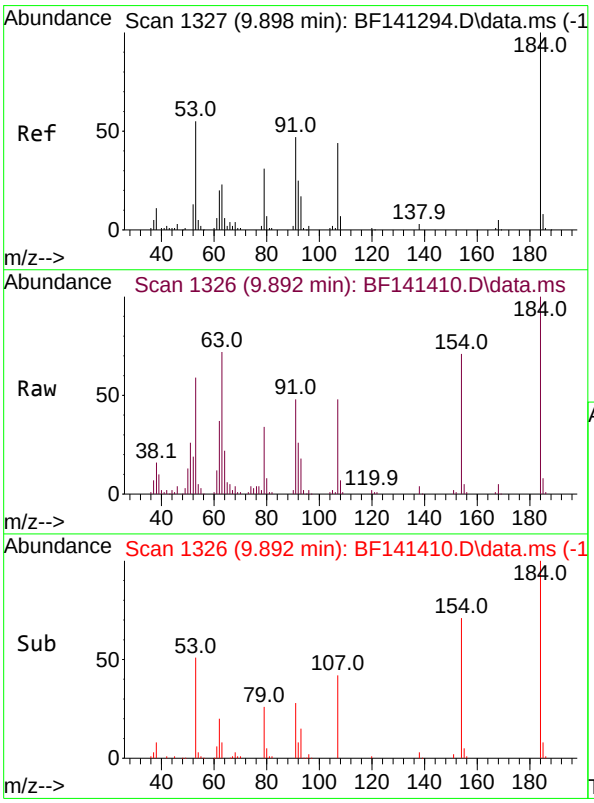
#53
3-Nitroaniline
Concen: 40.616 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 117193

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.6	12.8
92	114.3	91.0	136.6

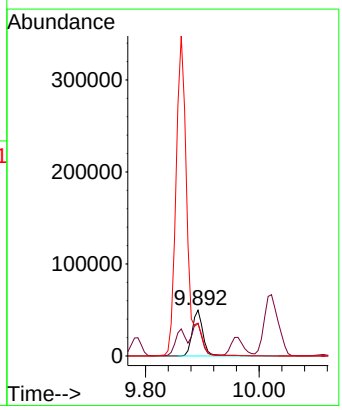


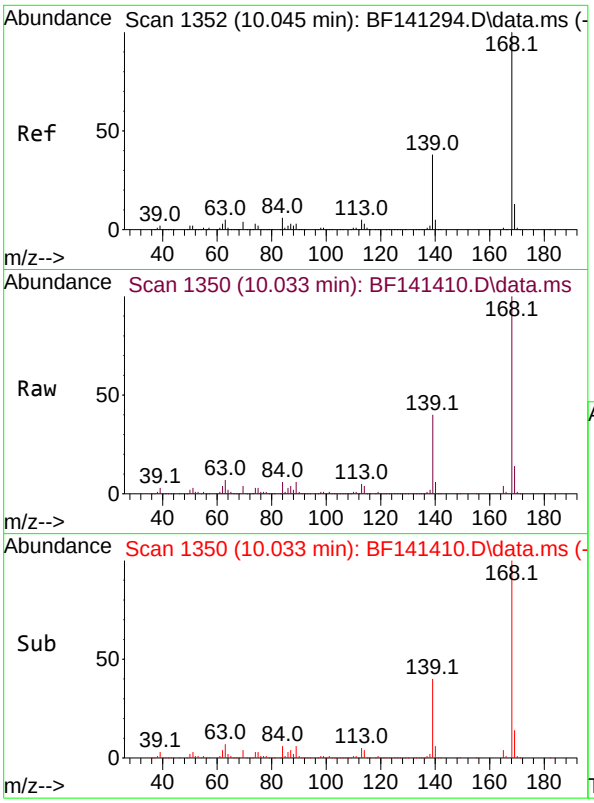


#54
2,4-Dinitrophenol
Concen: 48.068 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:184 Resp: 65781

Ion	Ratio	Lower	Upper
184	100		
63	71.7	54.1	81.1
154	70.6	50.7	76.1



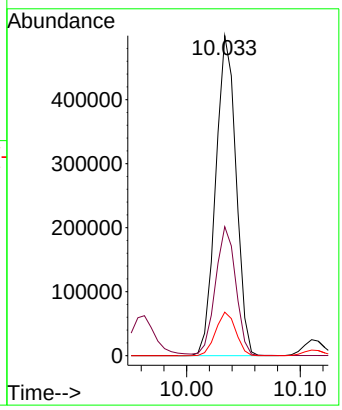


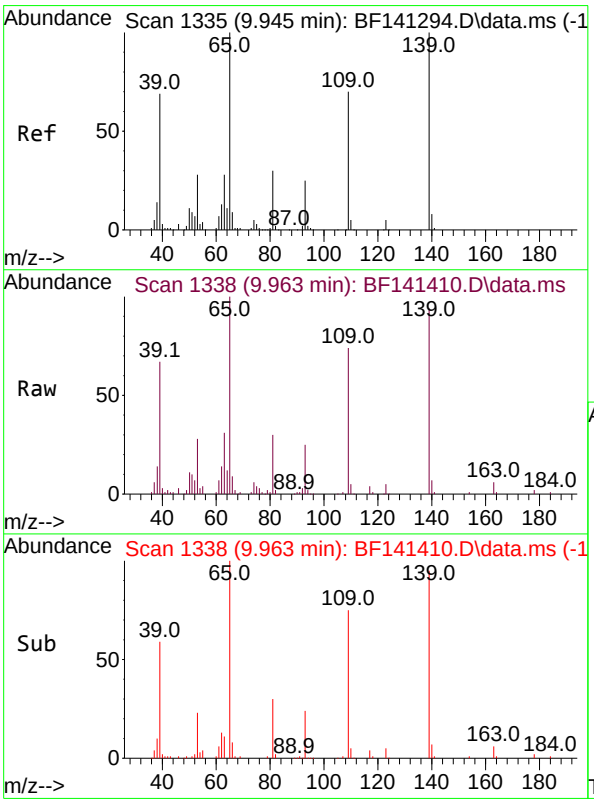
#55
Dibenzofuran
Concen: 40.736 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 622267

Ion	Ratio	Lower	Upper
168	100		
139	40.3	30.6	46.0
169	13.6	10.8	16.2

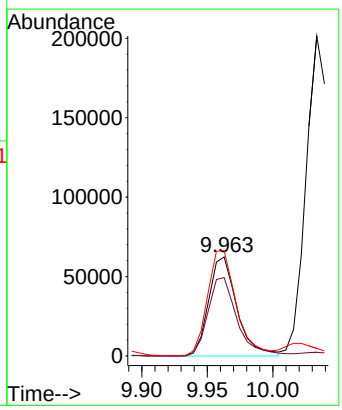


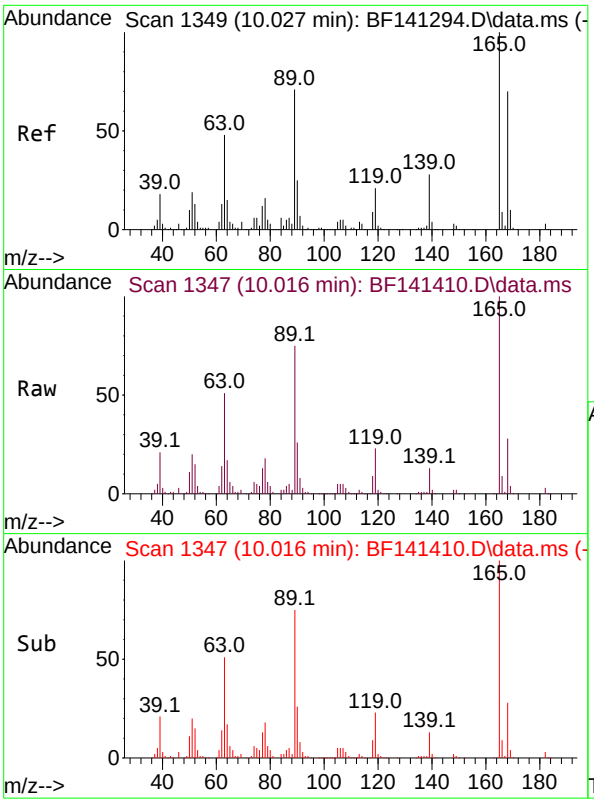


#56
4-Nitrophenol
Concen: 44.180 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:139 Resp: 93228

Ion	Ratio	Lower	Upper
139	100		
109	79.2	50.2	90.2
65	106.5	80.6	120.6



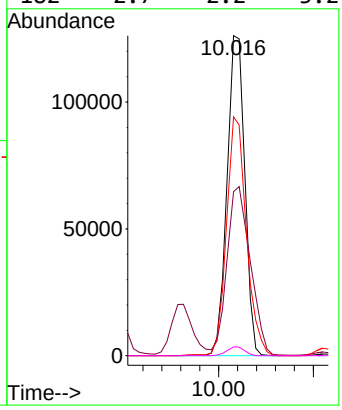


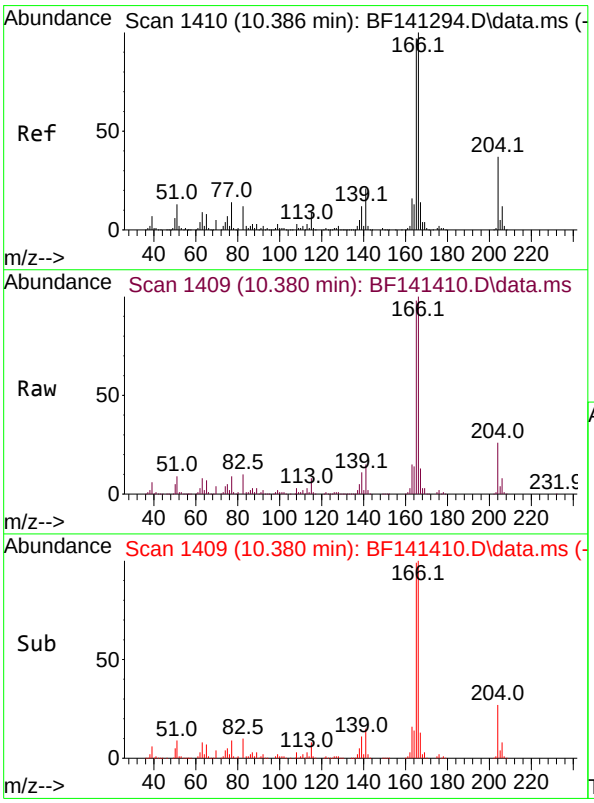
#57
2,4-Dinitrotoluene
Concen: 43.245 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 164833

Ion	Ratio	Lower	Upper
165	100		
63	51.3	39.2	58.8
89	74.7	56.9	85.3
182	2.7	2.2	3.2

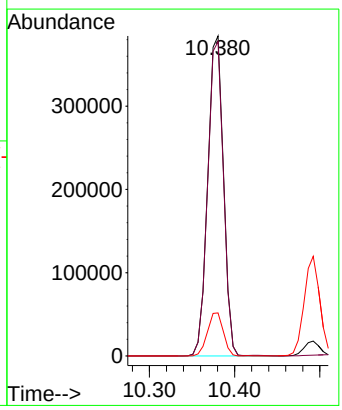


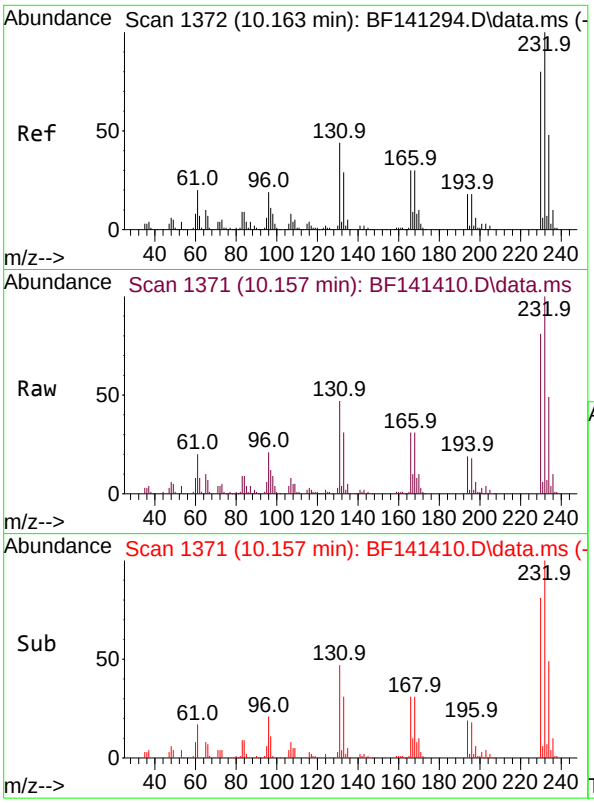


#58
Fluorene
Concen: 41.680 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:166 Resp: 493864

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.5	116.3
167	13.4	10.9	16.3



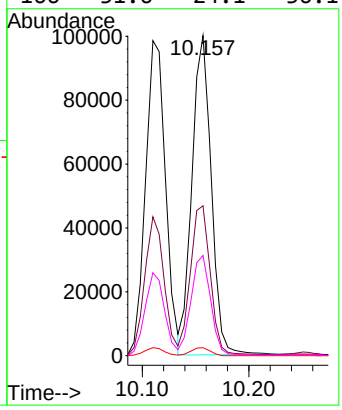


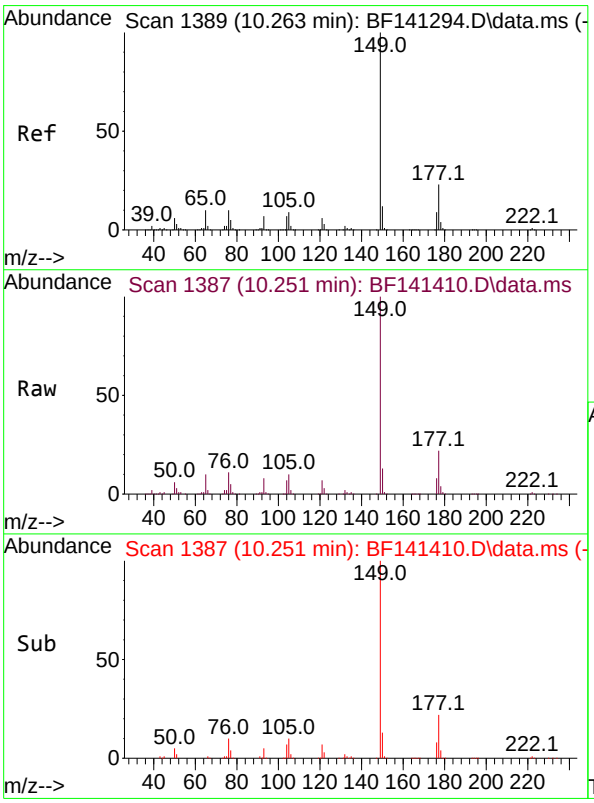
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.135 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 126118

Ion	Ratio	Lower	Upper
232	100		
131	49.0	36.4	54.6
130	2.5	1.9	2.9
166	31.6	24.1	36.1

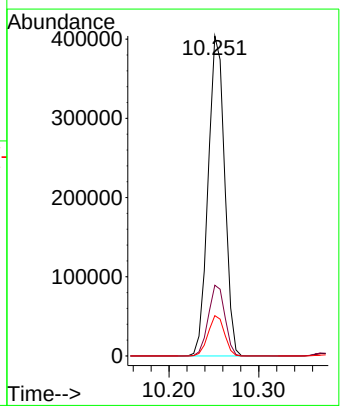


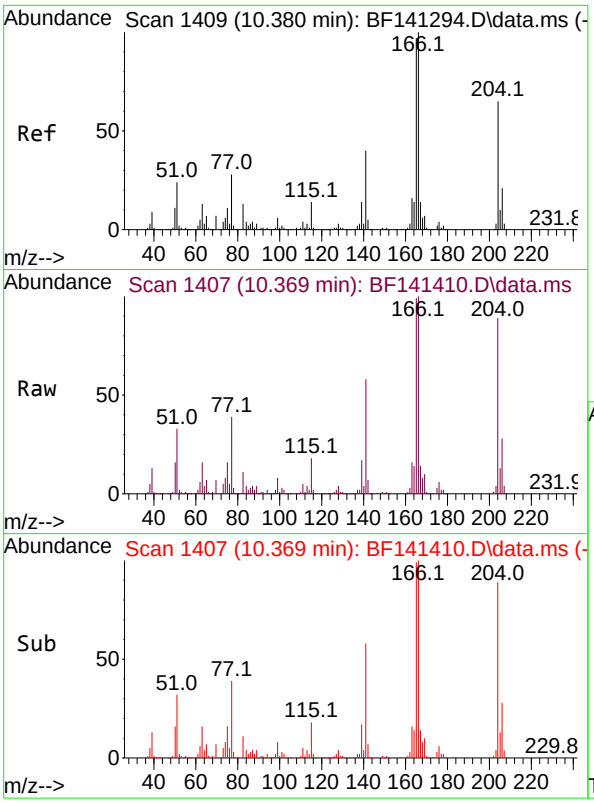


#60
Diethylphthalate
Concen: 41.811 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 514014

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.5	27.7
150	12.6	10.0	15.0



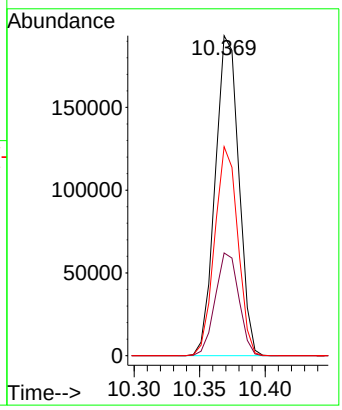


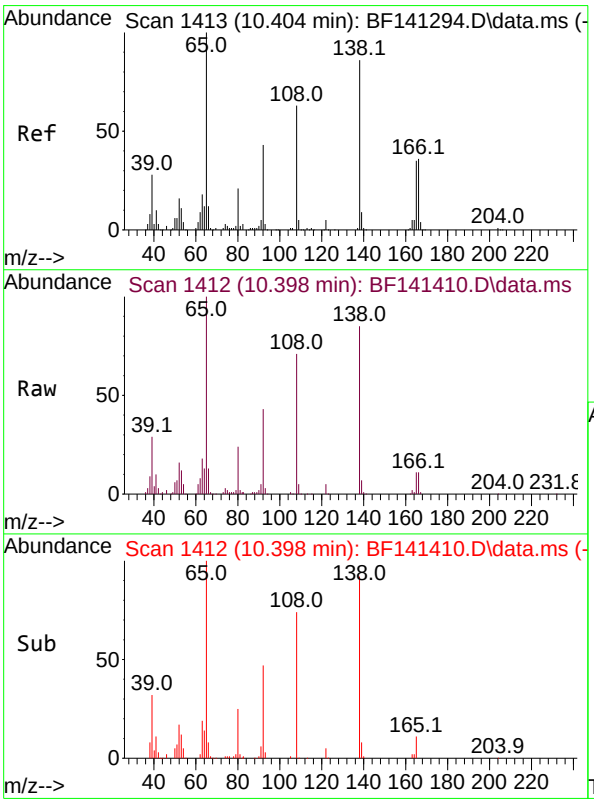
#61
4-Chlorophenyl-phenylether
Concen: 41.757 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 241686

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.9	38.9
141	65.3	49.5	74.3

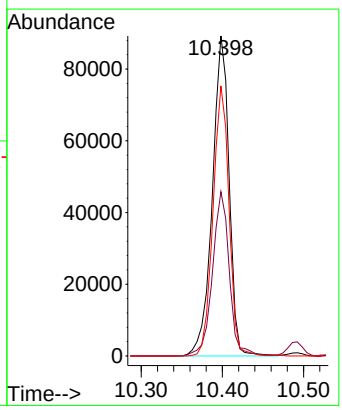


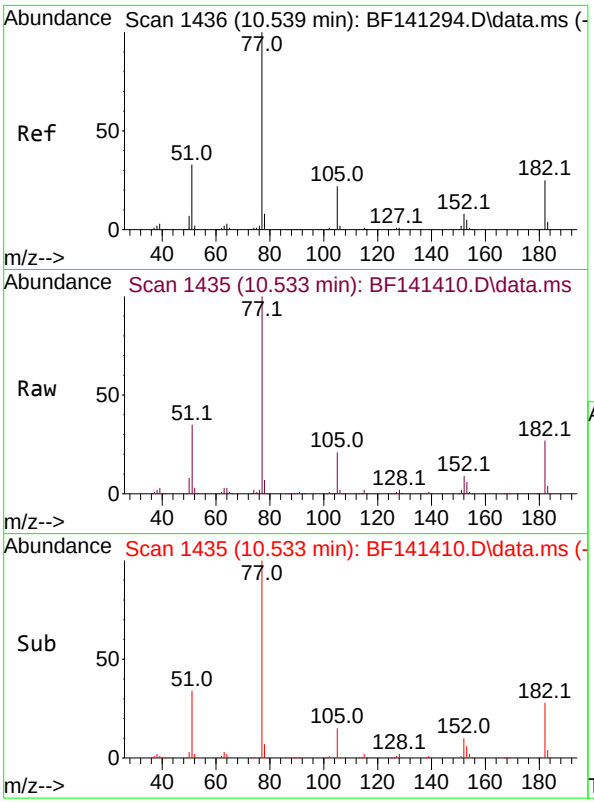


#62
4-Nitroaniline
Concen: 45.227 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:138 Resp: 128297

Ion	Ratio	Lower	Upper
138	100		
92	51.4	30.1	70.1
108	84.4	53.1	93.1



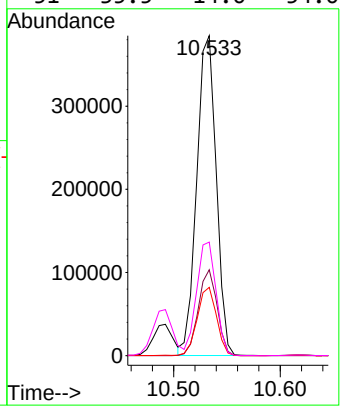


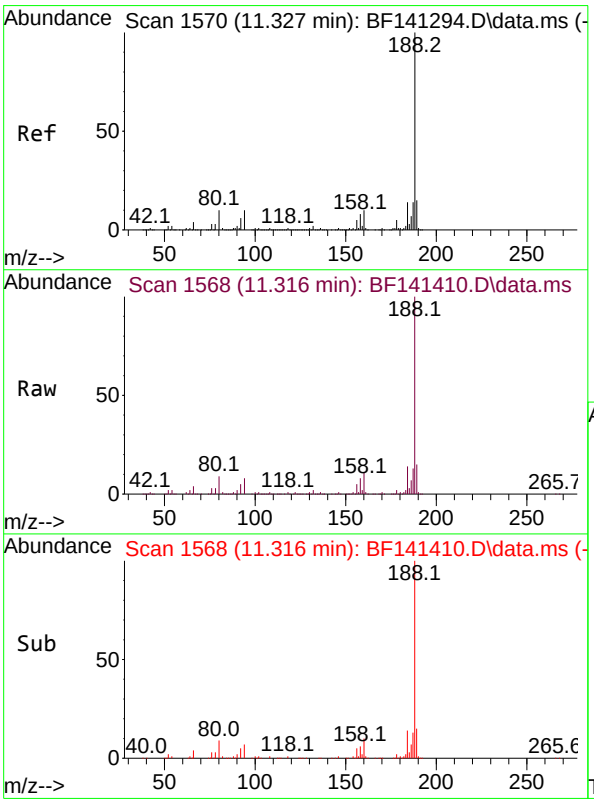
#63
Azobenzene
Concen: 39.824 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 490065

Ion	Ratio	Lower	Upper
77	100		
182	26.9	5.1	45.1
105	21.3	1.8	41.8
51	35.5	14.0	54.0

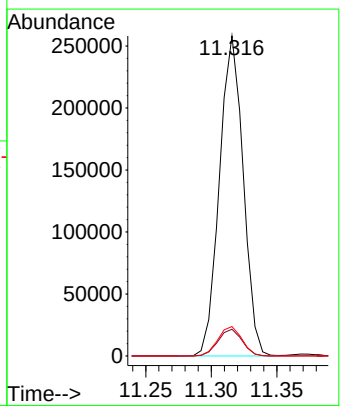


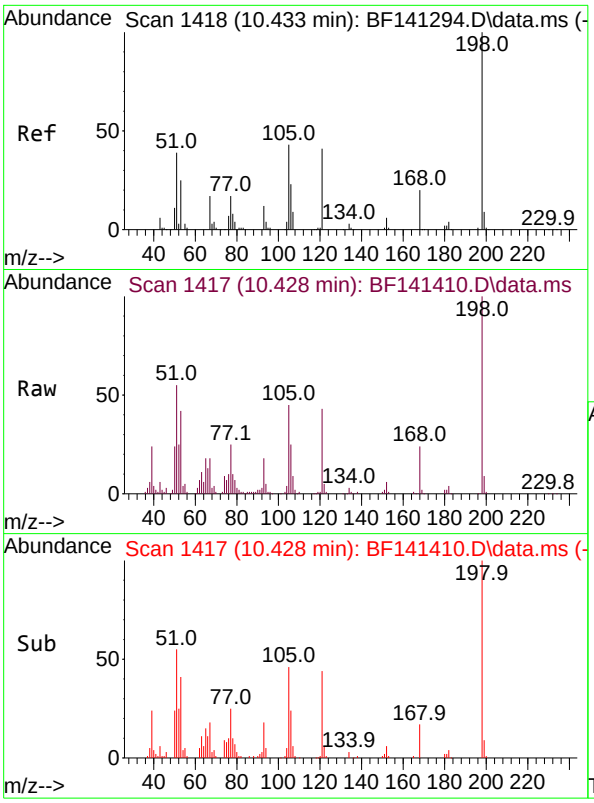


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:188 Resp: 325046

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.8	11.6
80	9.2	8.2	12.4



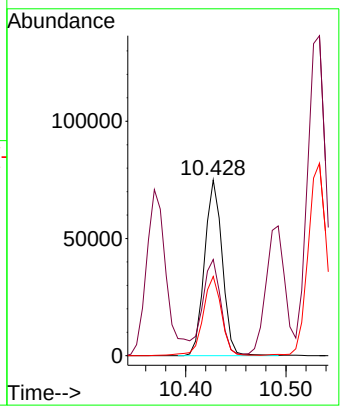


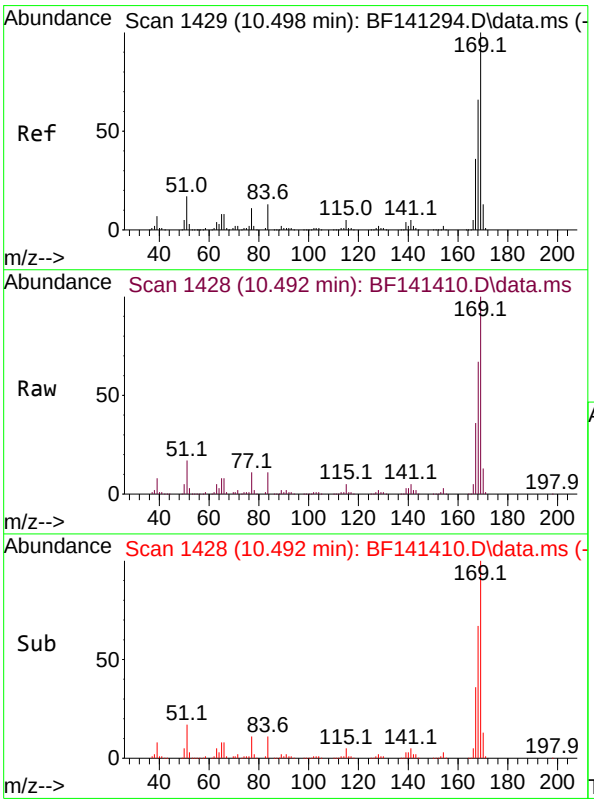
#65
4,6-Dinitro-2-methylphenol
Concen: 47.978 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 92244

Ion	Ratio	Lower	Upper
198	100		
51	54.7	33.4	73.4
105	45.1	24.4	64.4

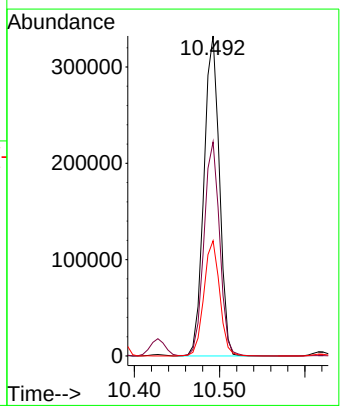


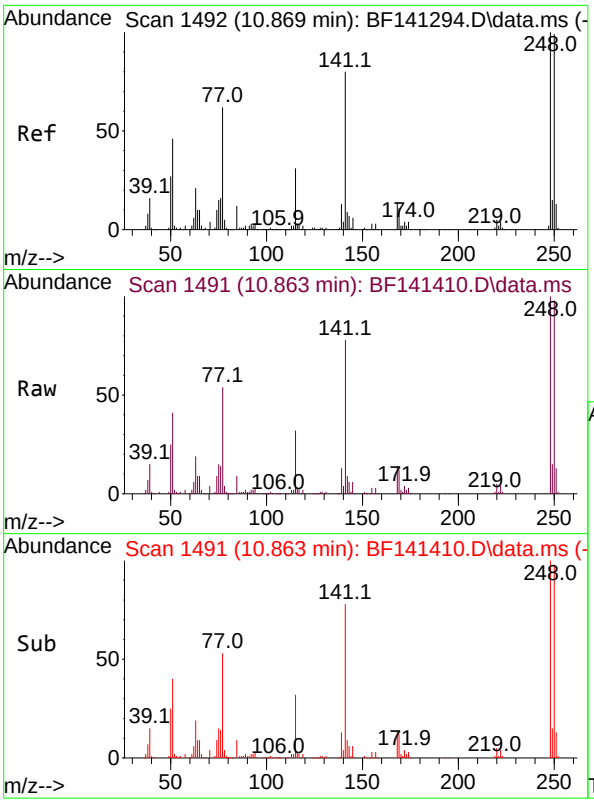


#66
n-Nitrosodiphenylamine
Concen: 39.757 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:169 Resp: 417972

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.0	28.8	43.2



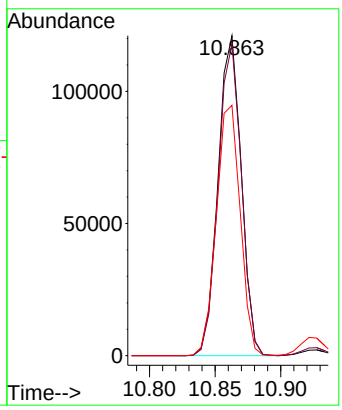


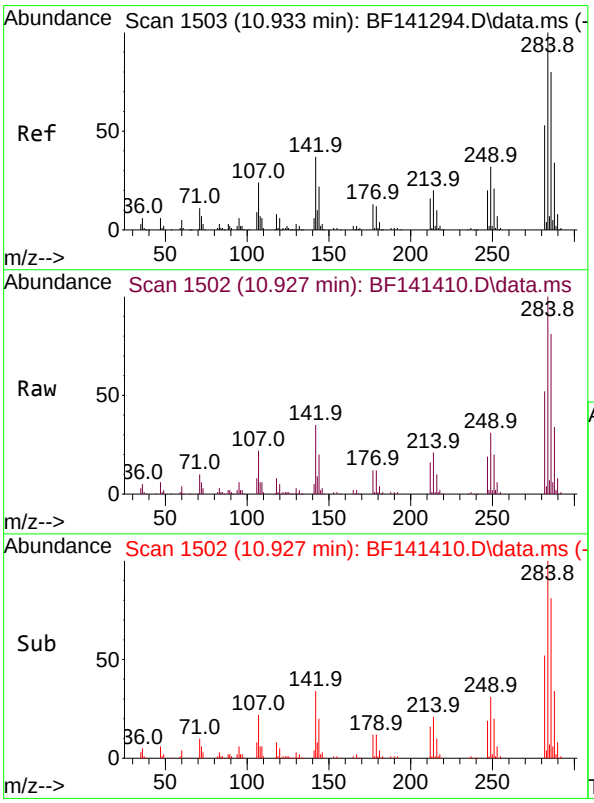
#67
4-Bromophenyl-phenylether
Concen: 40.899 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 148831

Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.0	118.4
141	78.2	63.7	95.5

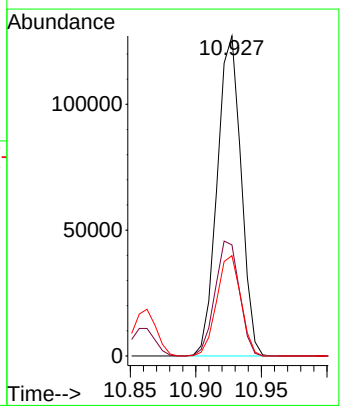


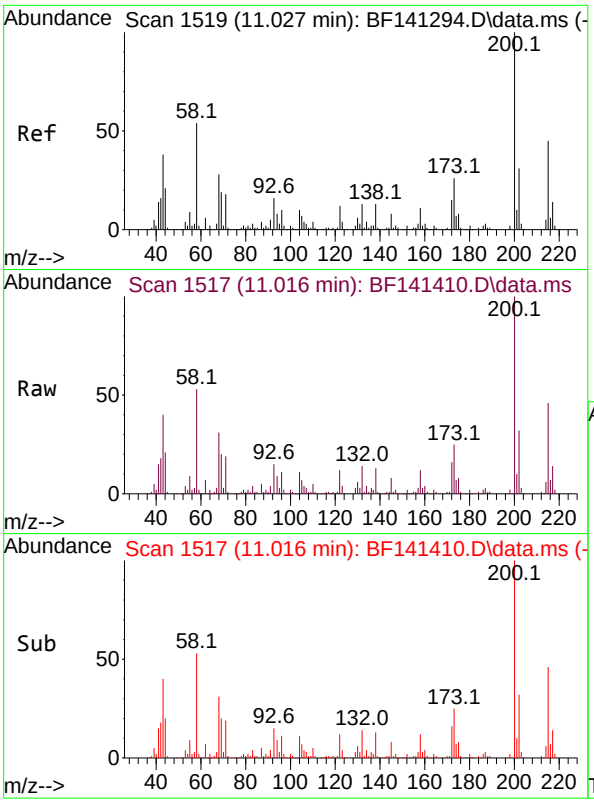


#68
Hexachlorobenzene
Concen: 41.684 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:284 Resp: 160903

Ion	Ratio	Lower	Upper
284	100		
142	34.7	29.5	44.3
249	31.4	25.4	38.2



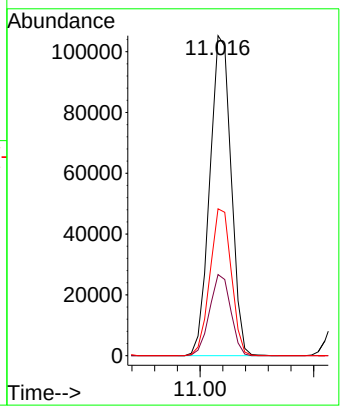


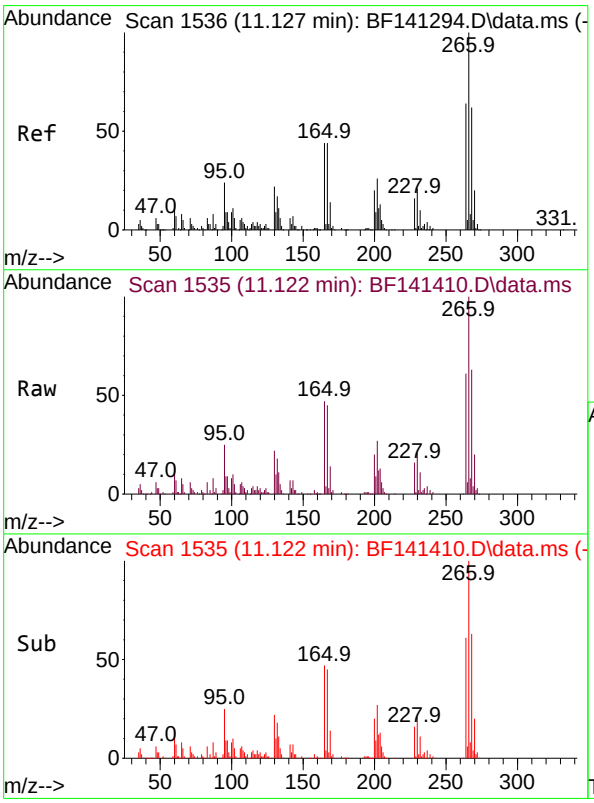
#69
Atrazine
Concen: 39.071 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 137337

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.9	45.9
215	45.9	25.2	65.2

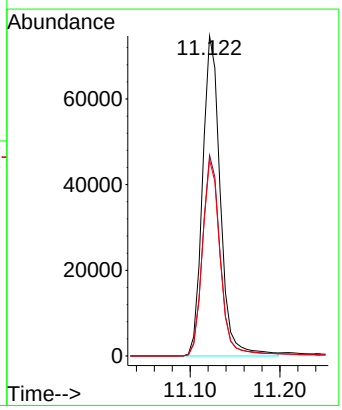


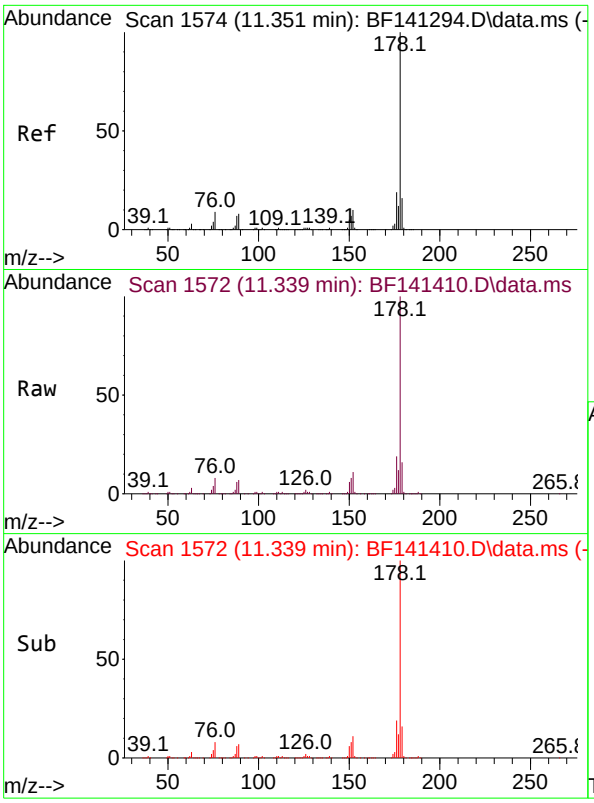


#70
Pentachlorophenol
Concen: 45.399 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:266 Resp: 102619

Ion	Ratio	Lower	Upper
266	100		
268	62.7	49.9	74.9
264	61.2	51.0	76.4



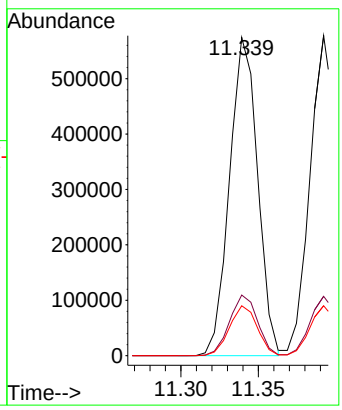


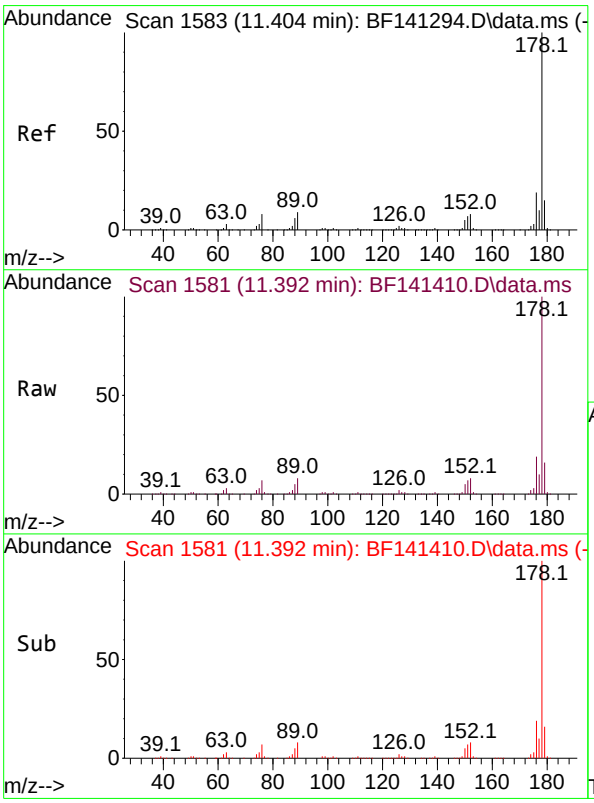
#71
Phenanthrene
Concen: 41.409 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 723529

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.7	12.5	18.7

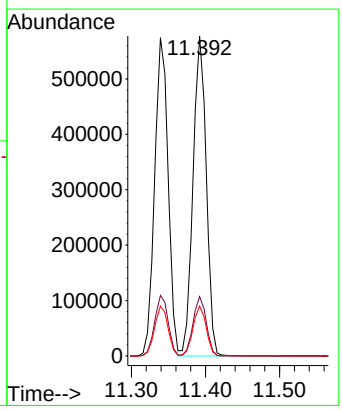


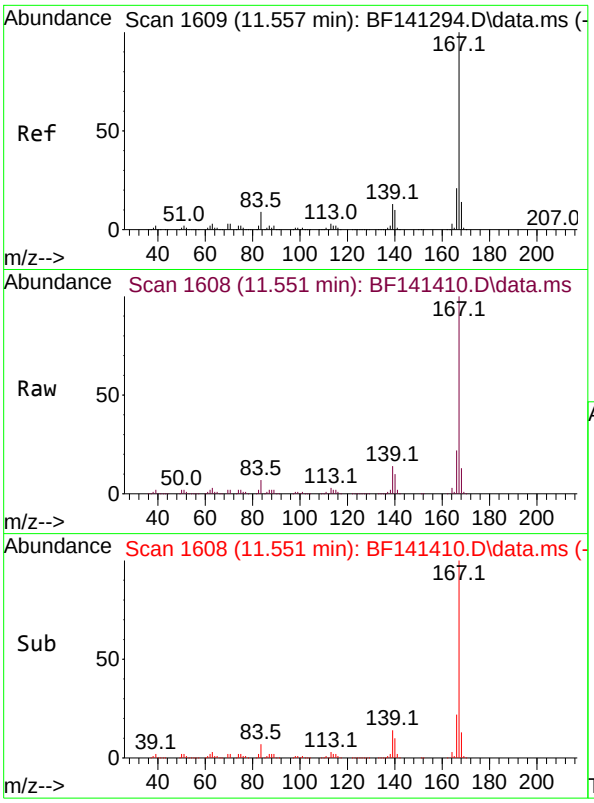


#72
Anthracene
Concen: 41.850 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:178 Resp: 716469

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.6	12.3	18.5



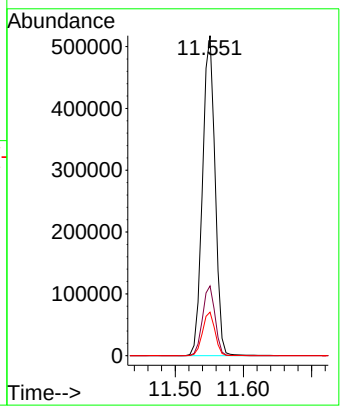


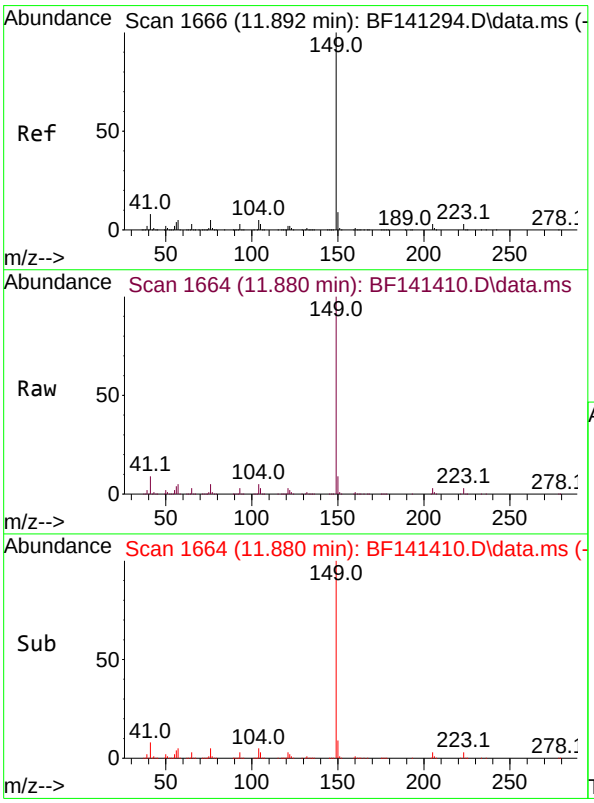
#73
Carbazole
Concen: 43.663 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 662834

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.6	10.6	16.0

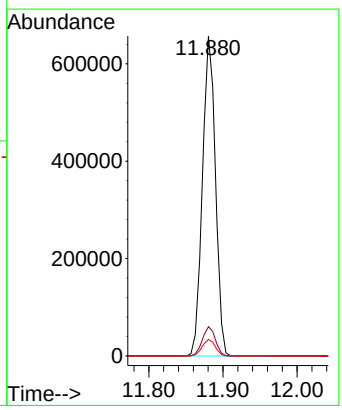


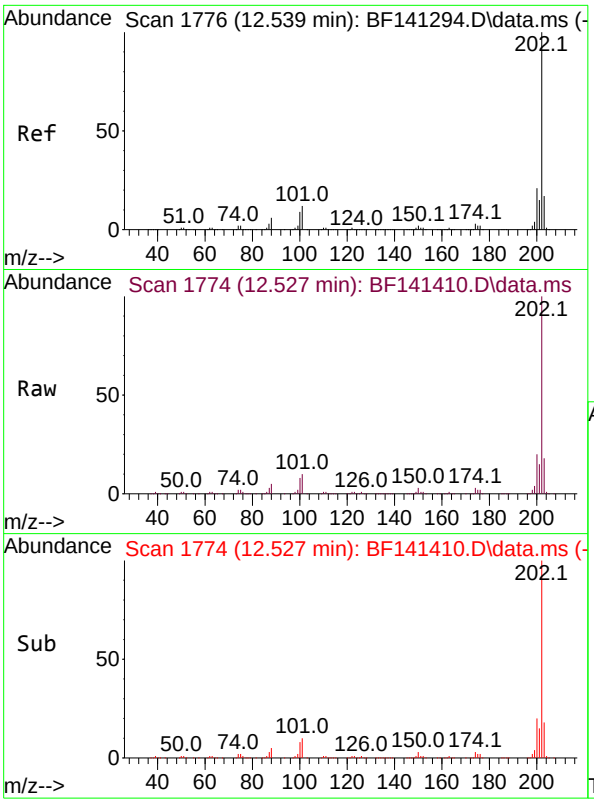


#74
Di-n-butylphthalate
Concen: 43.495 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 800193

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	3.9	5.9



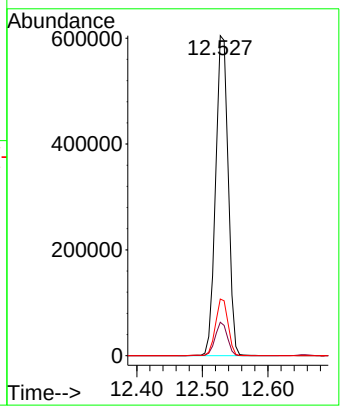


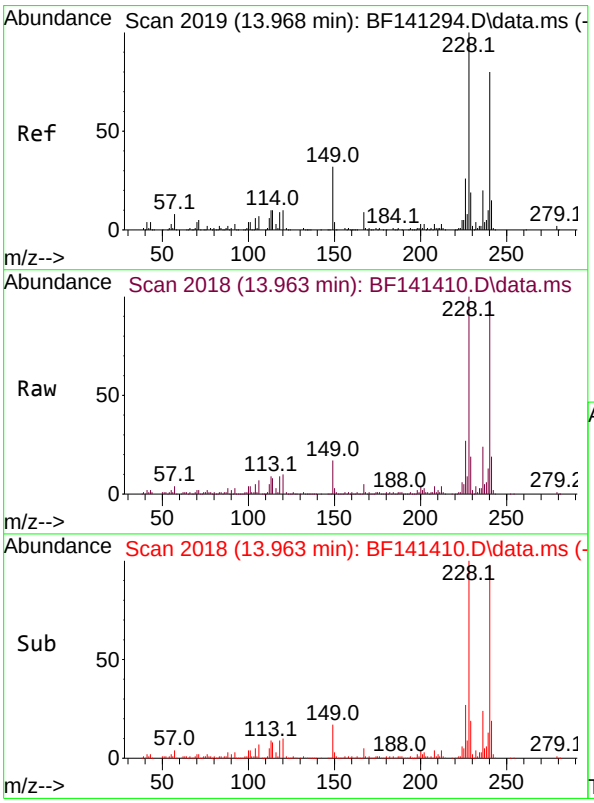
#75
Fluoranthene
Concen: 46.442 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 801222

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.7
203	17.7	0.0	37.5

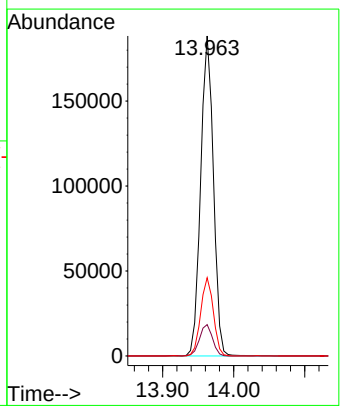


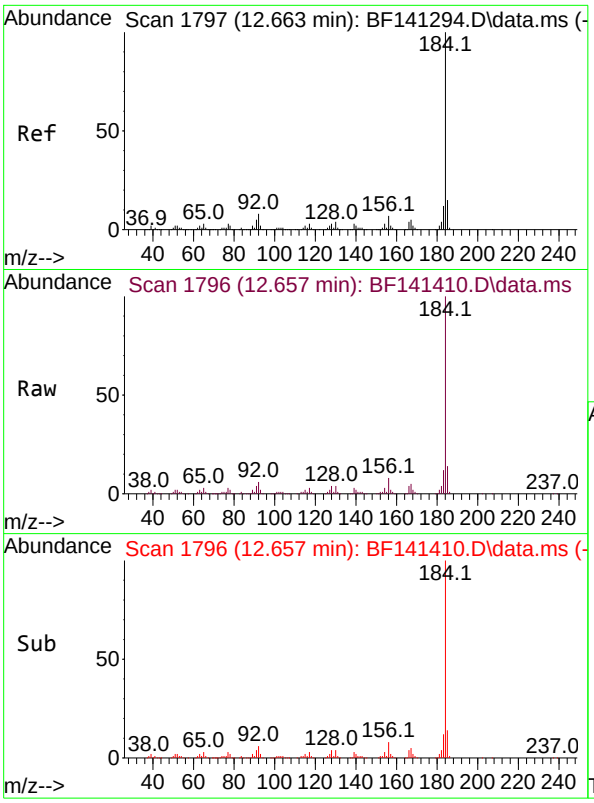


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:240 Resp: 235785

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.0	15.0#
236	24.4	19.7	29.5



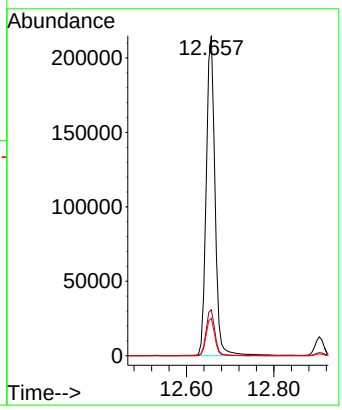


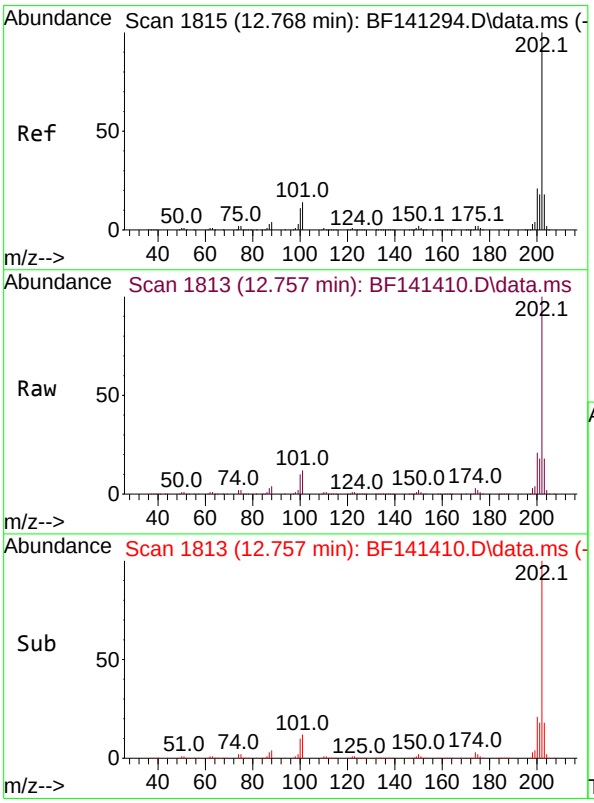
#77
Benzidine
Concen: 39.706 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 300130

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	11.6	9.5	14.3

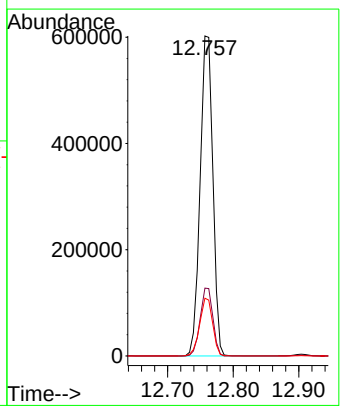


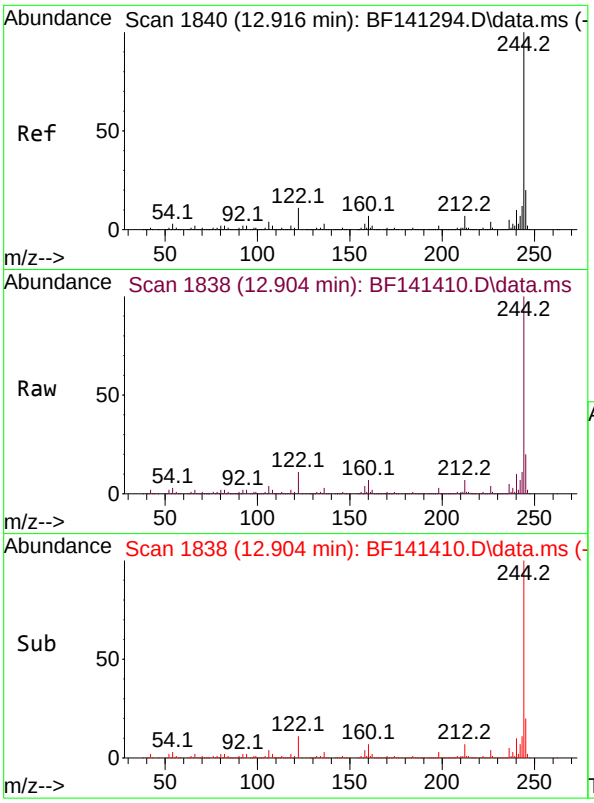


#78
Pyrene
Concen: 36.091 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:202 Resp: 816862

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.1	14.3	21.5



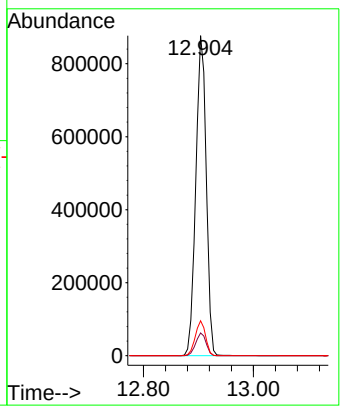


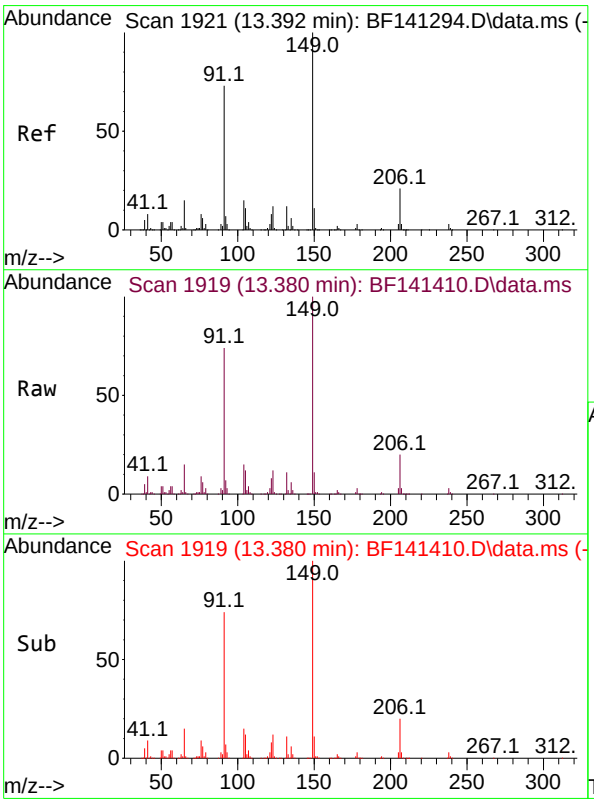
#79
Terphenyl-d14
Concen: 75.722 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1157717

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.9	8.8	13.2

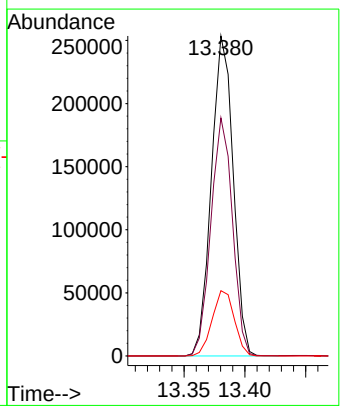


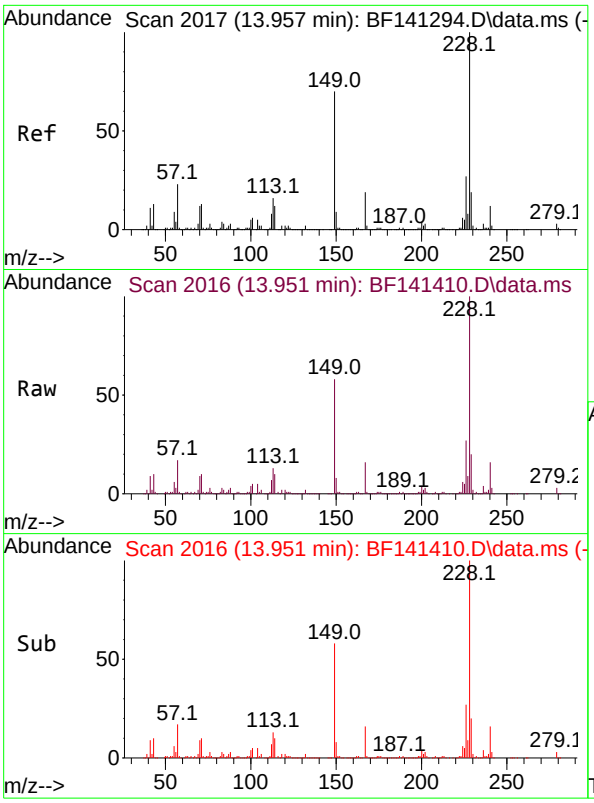


#80
Butylbenzylphthalate
Concen: 40.003 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 316309

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.6	87.8
206	20.4	16.7	25.1



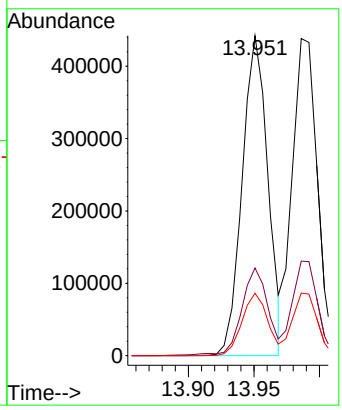


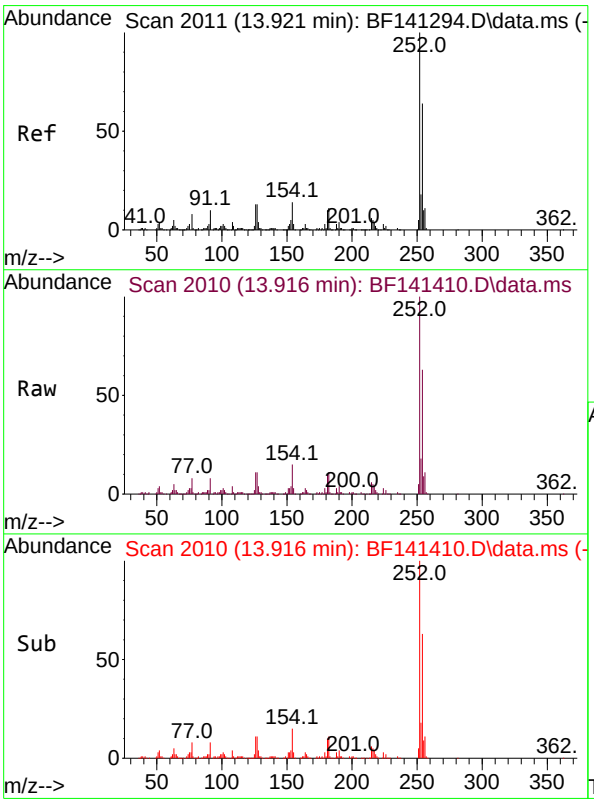
#81
Benzo(a)anthracene
Concen: 37.039 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 602639

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	19.5	15.5	23.3

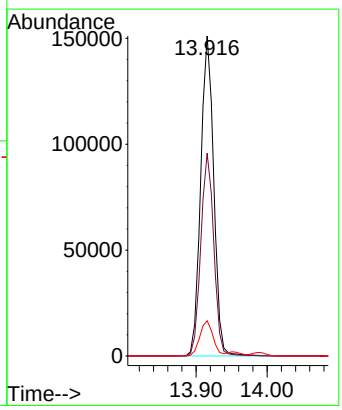


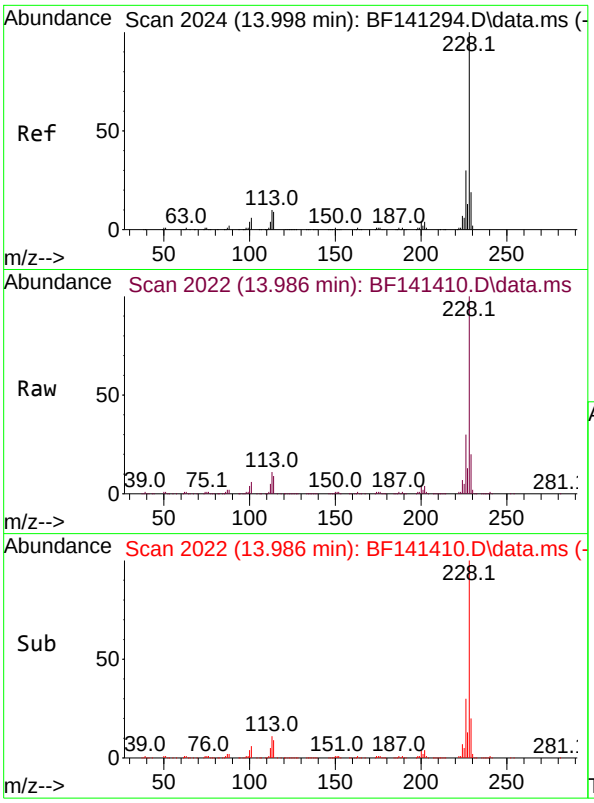


#82
3,3'-Dichlorobenzidine
Concen: 37.342 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 193238

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.3	76.9
126	11.0	10.0	15.0



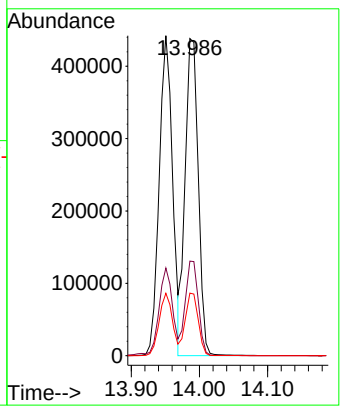


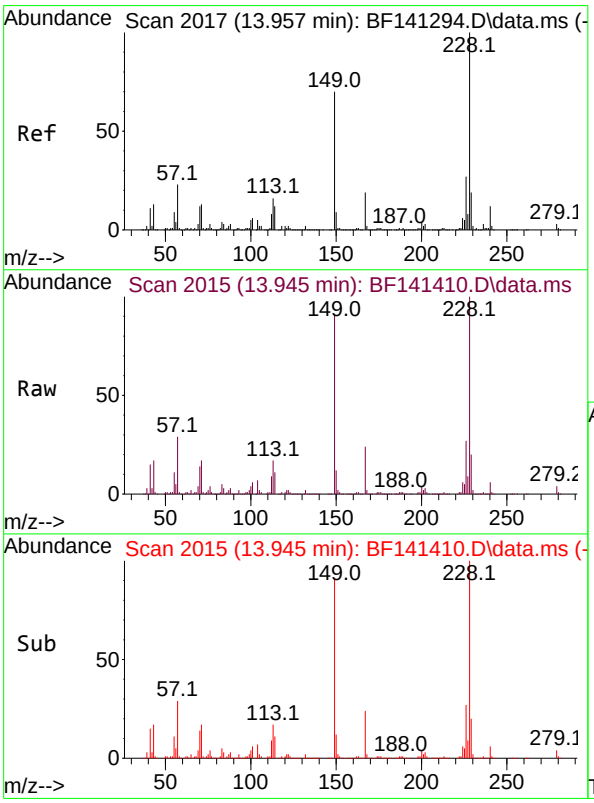
#83
Chrysene
Concen: 39.150 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 583785

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.7	15.6	23.4

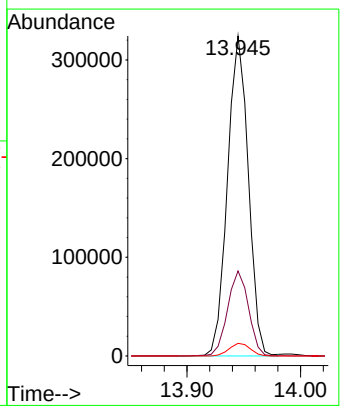


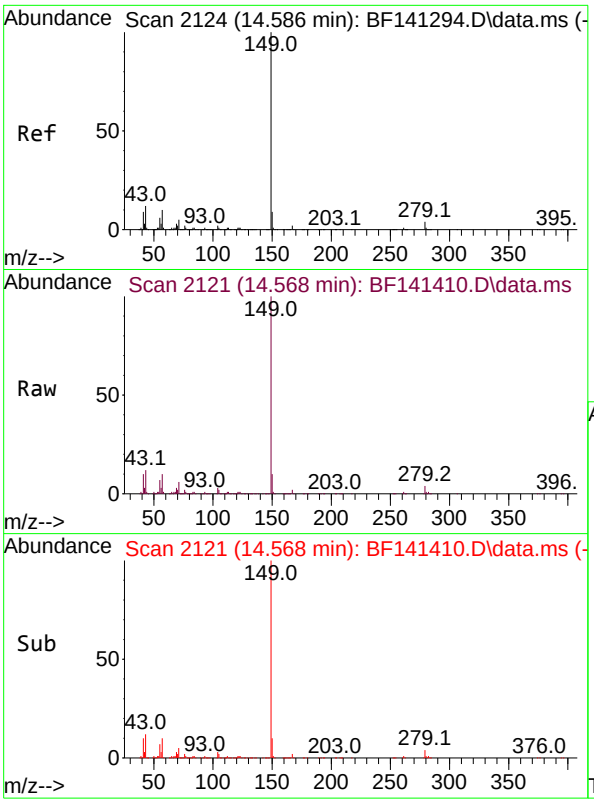


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.225 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 413503

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.9	3.3	4.9



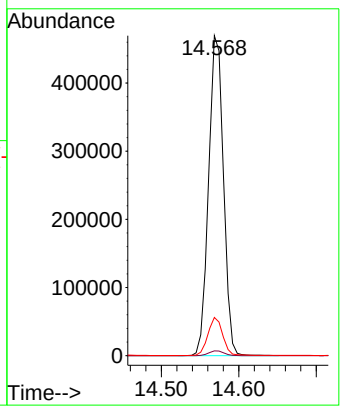


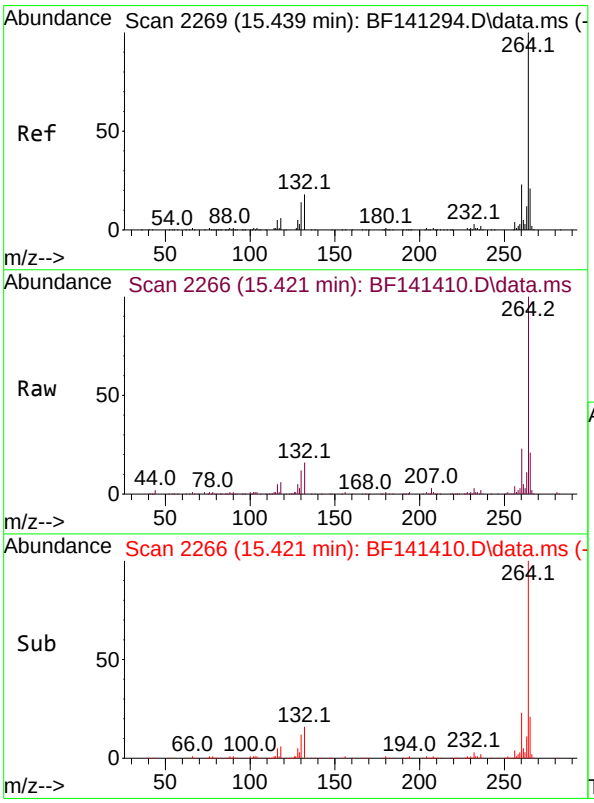
#85
Di-n-octyl phthalate
Concen: 40.161 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 625670

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.8	14.8

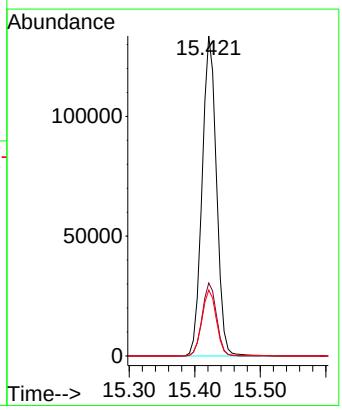


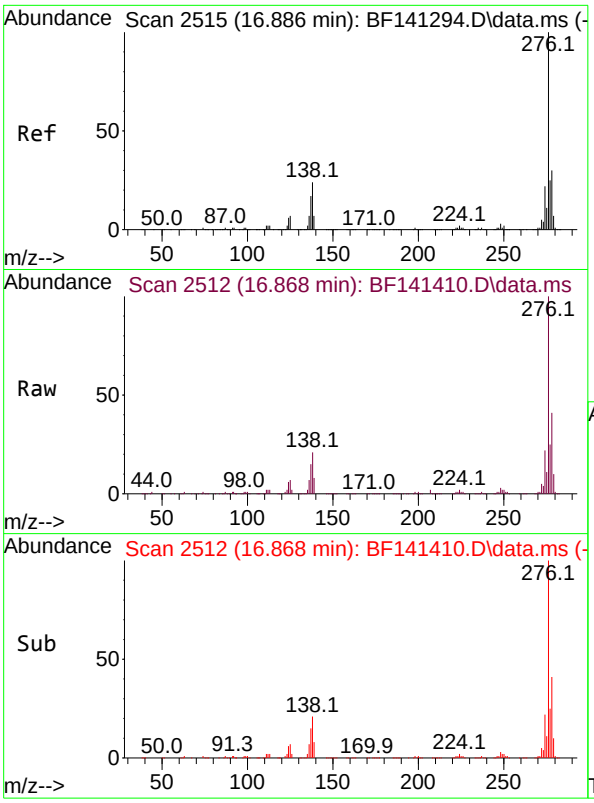


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:264 Resp: 203742

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	27.8
265	20.6	16.7	25.1



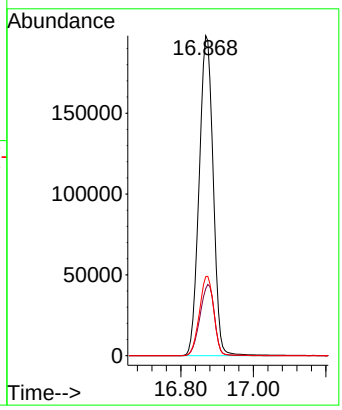


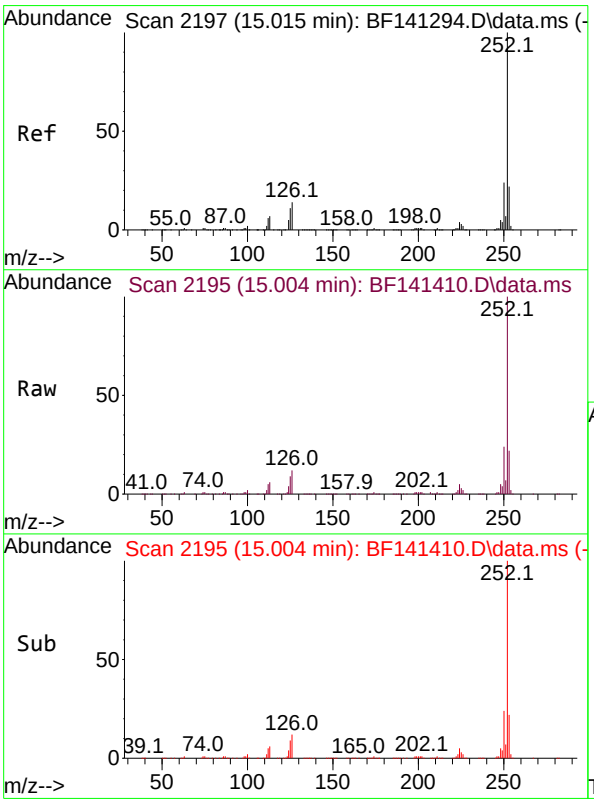
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.413 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 531435

Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.7	32.5
277	25.4	20.3	30.5

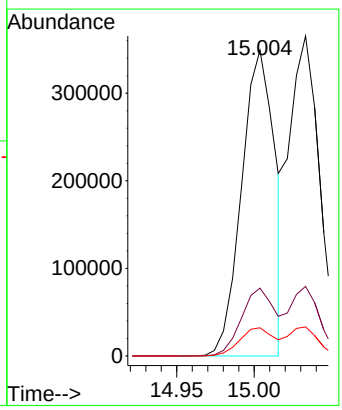


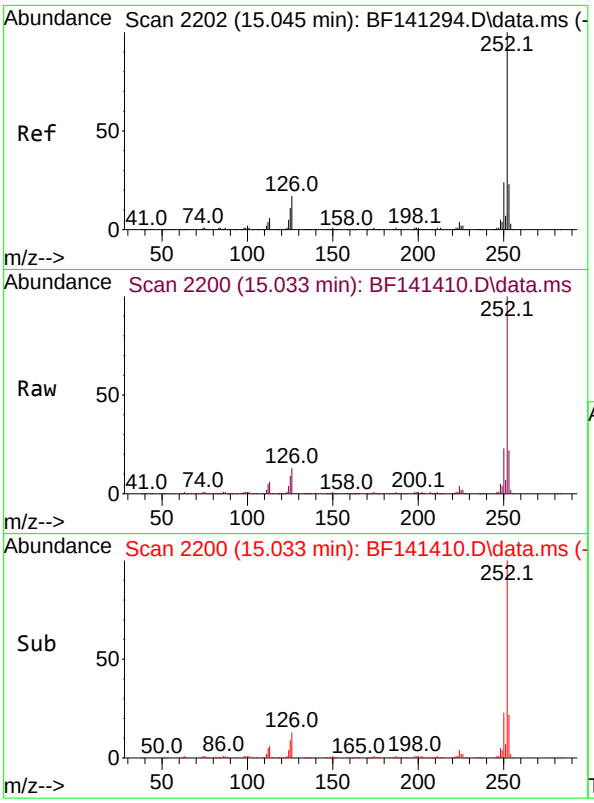


#88
Benzo(b)fluoranthene
Concen: 40.568 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 519917

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	9.2	8.6	12.8



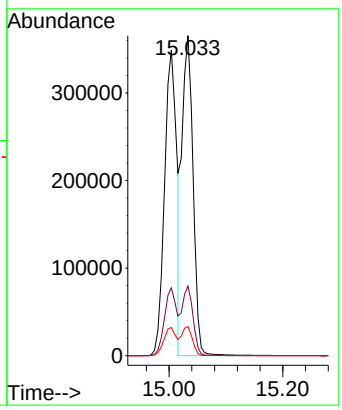


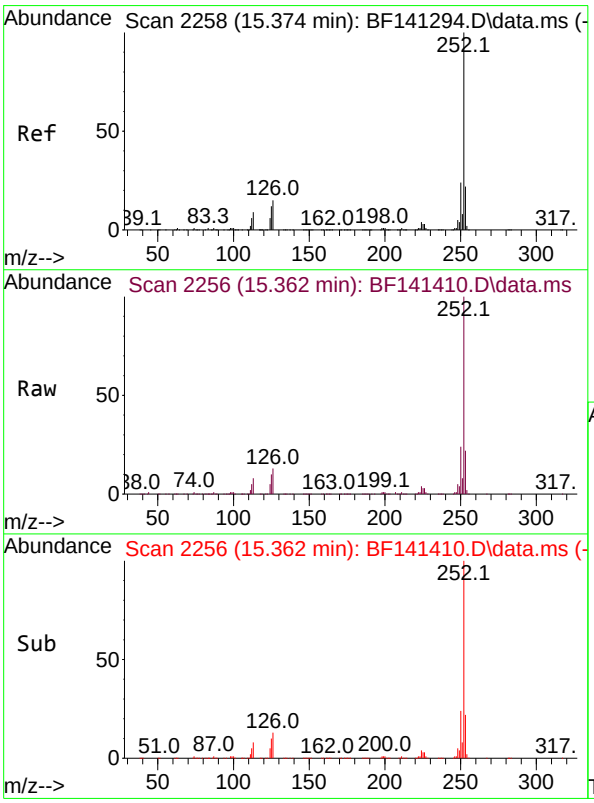
#89
Benzo(k)fluoranthene
Concen: 43.621 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 495242

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.1	8.4	12.6

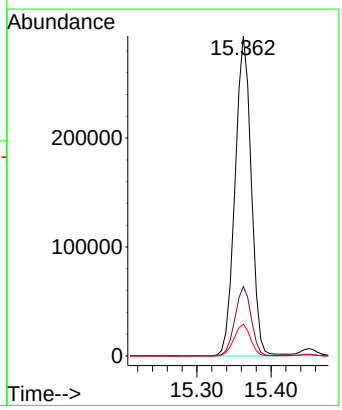


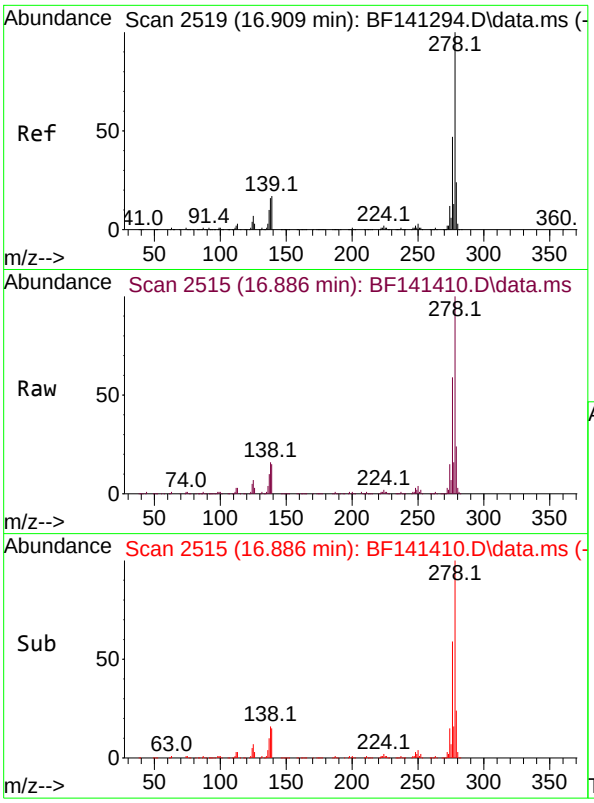


#90
Benzo(a)pyrene
Concen: 41.076 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 444854

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.0	9.4	14.2



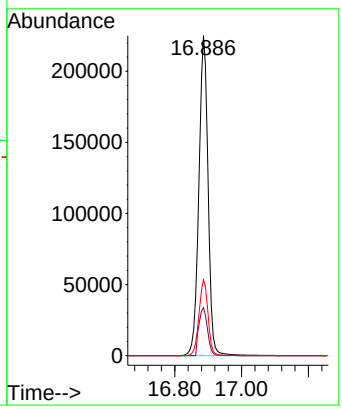


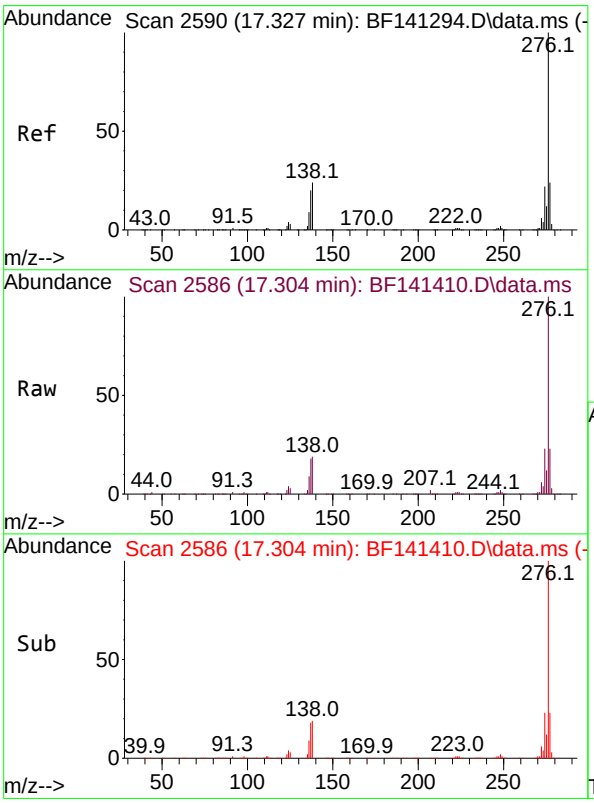
#91
Dibenzo(a,h)anthracene
Concen: 40.648 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 430043

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.9	20.9
279	23.7	18.8	28.2

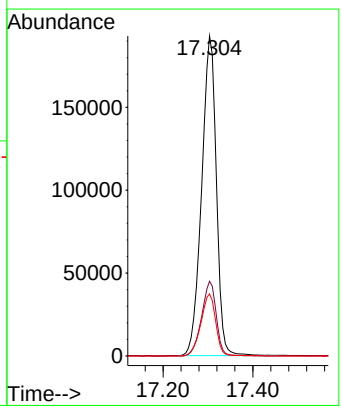




#92
Benzo(g,h,i)perylene
Concen: 39.851 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:276 Resp: 438392

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	19.4	19.0	28.4



Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	66	-0.01
2		1,4-Dioxane	0.573	0.535	6.6	66	-0.04
3		Pyridine	1.380	1.264	8.4	63	-0.05
4		n-Nitrosodimethylamine	0.789	0.823	-4.3	72	-0.06
5	S	2-Fluorophenol	1.303	1.284	1.5	70	0.00
6		Aniline	1.403	1.284	8.5	62	-0.02
7	S	Phenol-d6	1.657	1.572	5.1	68	0.00
8		2-Chlorophenol	1.396	1.368	2.0	70	-0.01
9		Benzaldehyde	0.960	1.013	-5.5	75	-0.01
10	C	Phenol	1.757	1.636	6.9	66	0.00
11		bis(2-Chloroethyl)ether	1.347	1.259	6.5	67	-0.02
12		1,3-Dichlorobenzene	1.540	1.532	0.5	71	-0.02
13	C	1,4-Dichlorobenzene	1.547	1.553	-0.4	72	-0.01
14		1,2-Dichlorobenzene	1.448	1.446	0.1	71	-0.01
15		Benzyl Alcohol	1.133	1.180	-4.1	72	-0.01
16		2,2'-oxybis(1-Chloropropane	2.342	2.088	10.8	63	-0.01
17		2-Methylphenol	1.135	1.080	4.8	68	0.00
18		Hexachloroethane	0.571	0.577	-1.1	72	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.944	4.2	69	-0.02
20		3+4-Methylphenols	1.393	1.396	-0.2	71	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	66	-0.01
22		Acetophenone	0.475	0.494	-4.0	74	-0.02
23	S	Nitrobenzene-d5	0.379	0.388	-2.4	72	-0.01
24		Nitrobenzene	0.393	0.393	0.0	69	-0.02
25		Isophorone	0.656	0.640	2.4	69	-0.02
26	C	2-Nitrophenol	0.185	0.192	-3.8	71	-0.01
27		2,4-Dimethylphenol	0.236	0.228	3.4	67	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.398	4.8	67	-0.02
29	C	2,4-Dichlorophenol	0.289	0.292	-1.0	71	0.00
30		1,2,4-Trichlorobenzene	0.330	0.337	-2.1	73	-0.01
31		Naphthalene	1.057	1.049	0.8	70	-0.01
32		Benzoic acid	0.217	0.230	-6.0	68	-0.03
33		4-Chloroaniline	0.358	0.319	10.9	62	-0.01
34	C	Hexachlorobutadiene	0.194	0.208	-7.2	76	-0.01
35		Caprolactam	0.094	0.093	1.1	69	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.319	-2.9	73	0.00
37		2-Methylnaphthalene	0.672	0.673	-0.1	71	-0.01
38		1-Methylnaphthalene	0.660	0.657	0.5	71	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	66	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	73	-0.01
41	P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	72	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.206	-12.6	79	-0.01
43	C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	70	0.00
44		2,4,5-Trichlorophenol	0.405	0.420	-3.7	74	0.00
45	S	2-Fluorobiphenyl	1.299	1.327	-2.2	74	-0.01
46		1,1'-Biphenyl	1.560	1.554	0.4	71	-0.01
47		2-Chloronaphthalene	1.216	1.203	1.1	71	-0.01

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.396	-3.7	72	0.00
49		Acenaphthylene	1.702	1.720	-1.1	72	-0.01
50		Dimethylphthalate	1.351	1.359	-0.6	73	-0.01
51		2,6-Dinitrotoluene	0.314	0.322	-2.5	72	-0.01
52	C	Acenaphthene	1.216	1.251	-2.9	74	-0.01
53		3-Nitroaniline	0.307	0.312	-1.6	68	-0.01
54	P	2,4-Dinitrophenol	0.146	0.175	-19.9	79	-0.01
55		Dibenzofuran	1.627	1.657	-1.8	72	-0.01
56	P	4-Nitrophenol	0.225	0.248	-10.2	74	0.00
57		2,4-Dinitrotoluene	0.406	0.439	-8.1	75	-0.02
58		Fluorene	1.262	1.315	-4.2	75	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	73	0.00
60		Diethylphthalate	1.310	1.369	-4.5	74	-0.02
61		4-Chlorophenyl-phenylether	0.617	0.644	-4.4	75	-0.01
62		4-Nitroaniline	0.302	0.342	-13.2	78	-0.02
63		Azobenzene	1.311	1.305	0.5	71	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	71	-0.01
65		4,6-Dinitro-2-methylphenol	0.118	0.142	-20.3	80	-0.01
66	c	n-Nitrosodiphenylamine	0.647	0.643	0.6	73	-0.01
67		4-Bromophenyl-phenylether	0.224	0.229	-2.2	75	-0.01
68		Hexachlorobenzene	0.238	0.248	-4.2	77	-0.01
69		Atrazine	0.216	0.211	2.3	70	-0.02
70	C	Pentachlorophenol	0.139	0.158	-13.7	78	-0.01
71		Phenanthrene	1.075	1.113	-3.5	77	-0.01
72		Anthracene	1.053	1.102	-4.7	77	-0.01
73		Carbazole	0.934	1.020	-9.2	80	0.00
74		Di-n-butylphthalate	1.132	1.231	-8.7	80	-0.01
75	C	Fluoranthene	1.062	1.232	-16.0	86	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77		Benzidine	0.641	0.636	0.8	79	0.00
78		Pyrene	1.920	1.732	9.8	89	-0.01
79	S	Terphenyl-d14	1.297	1.228	5.3	94	-0.01
80		Butylbenzylphthalate	0.671	0.671	0.0	97	-0.01
81		Benzo(a)anthracene	1.380	1.278	7.4	91	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.410	6.6	89	-0.01
83		Chrysene	1.265	1.238	2.1	99	-0.01
84		Bis(2-ethylhexyl)phthalate	0.851	0.877	-3.1	101	-0.01
85	c	Di-n-octyl phthalate	1.321	1.327	-0.5	98	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	73	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.304	-1.0	76	-0.03
88		Benzo(b)fluoranthene	1.258	1.276	-1.4	83	-0.02
89		Benzo(k)fluoranthene	1.114	1.215	-9.1	82	-0.02
90	C	Benzo(a)pyrene	1.063	1.092	-2.7	79	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.055	-1.5	76	-0.04
92		Benzo(g,h,i)perylene	1.080	1.076	0.4	75	-0.04

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	66	-0.01
2		1,4-Dioxane	40.000	37.338	6.7	66	-0.04
3		Pyridine	40.000	36.624	8.4	63	-0.05
4		n-Nitrosodimethylamine	40.000	41.739	-4.3	72	-0.06
5	S	2-Fluorophenol	80.000	78.830	1.5	70	0.00
6		Aniline	40.000	36.617	8.5	62	-0.02
7	S	Phenol-d6	80.000	75.891	5.1	68	0.00
8		2-Chlorophenol	40.000	39.195	2.0	70	-0.01
9		Benzaldehyde	40.000	42.215	-5.5	75	-0.01
10	C	Phenol	40.000	37.247	6.9	66	0.00
11		bis(2-Chloroethyl)ether	40.000	37.395	6.5	67	-0.02
12		1,3-Dichlorobenzene	40.000	39.813	0.5	71	-0.02
13	C	1,4-Dichlorobenzene	40.000	40.169	-0.4	72	-0.01
14		1,2-Dichlorobenzene	40.000	39.932	0.2	71	-0.01
15		Benzyl Alcohol	40.000	41.681	-4.2	72	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	35.664	10.8	63	-0.01
17		2-Methylphenol	40.000	38.055	4.9	68	0.00
18		Hexachloroethane	40.000	40.467	-1.2	72	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	38.325	4.2	69	-0.02
20		3+4-Methylphenols	40.000	40.064	-0.2	71	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	66	-0.01
22		Acetophenone	40.000	41.572	-3.9	74	-0.02
23	S	Nitrobenzene-d5	80.000	81.851	-2.3	72	-0.01
24		Nitrobenzene	40.000	40.006	-0.0	69	-0.02
25		Isophorone	40.000	39.031	2.4	69	-0.02
26	C	2-Nitrophenol	40.000	41.393	-3.5	71	-0.01
27		2,4-Dimethylphenol	40.000	38.672	3.3	67	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.030	4.9	67	-0.02
29	C	2,4-Dichlorophenol	40.000	40.477	-1.2	71	0.00
30		1,2,4-Trichlorobenzene	40.000	40.839	-2.1	73	-0.01
31		Naphthalene	40.000	39.696	0.8	70	-0.01
32		Benzoic acid	40.000	42.423	-6.1	68	-0.03
33		4-Chloroaniline	40.000	35.561	11.1	62	-0.01
34	C	Hexachlorobutadiene	40.000	43.093	-7.7	76	-0.01
35		Caprolactam	40.000	39.448	1.4	69	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.200	-3.0	73	0.00
37		2-Methylnaphthalene	40.000	40.115	-0.3	71	-0.01
38		1-Methylnaphthalene	40.000	39.867	0.3	71	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	66	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	41.284	-3.2	73	-0.01
41	P	Hexachlorocyclopentadiene	40.000	44.139	-10.3	72	-0.01
42	S	2,4,6-Tribromophenol	80.000	89.734	-12.2	79	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.335	-3.3	70	0.00
44		2,4,5-Trichlorophenol	40.000	41.404	-3.5	74	0.00
45	S	2-Fluorobiphenyl	80.000	81.709	-2.1	74	-0.01
46		1,1'-Biphenyl	40.000	39.860	0.4	71	-0.01
47		2-Chloronaphthalene	40.000	39.569	1.1	71	-0.01

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	41.421	-3.6	72	0.00
49		Acenaphthylene	40.000	40.428	-1.1	72	-0.01
50		Dimethylphthalate	40.000	40.231	-0.6	73	-0.01
51		2,6-Dinitrotoluene	40.000	41.088	-2.7	72	-0.01
52	C	Acenaphthene	40.000	41.148	-2.9	74	-0.01
53		3-Nitroaniline	40.000	40.616	-1.5	68	-0.01
54	P	2,4-Dinitrophenol	40.000	48.068	-20.2	79	-0.01
55		Dibenzofuran	40.000	40.736	-1.8	72	-0.01
56	P	4-Nitrophenol	40.000	44.180	-10.4	74	0.00
57		2,4-Dinitrotoluene	40.000	43.245	-8.1	75	-0.02
58		Fluorene	40.000	41.680	-4.2	75	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.135	-5.3	73	0.00
60		Diethylphthalate	40.000	41.811	-4.5	74	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.757	-4.4	75	-0.01
62		4-Nitroaniline	40.000	45.227	-13.1	78	-0.02
63		Azobenzene	40.000	39.824	0.4	71	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	71	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	47.978	-19.9	80	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.757	0.6	73	-0.01
67		4-Bromophenyl-phenylether	40.000	40.899	-2.2	75	-0.01
68		Hexachlorobenzene	40.000	41.684	-4.2	77	-0.01
69		Atrazine	40.000	39.071	2.3	70	-0.02
70	C	Pentachlorophenol	40.000	45.399	-13.5	78	-0.01
71		Phenanthrene	40.000	41.409	-3.5	77	-0.01
72		Anthracene	40.000	41.850	-4.6	77	-0.01
73		Carbazole	40.000	43.663	-9.2	80	0.00
74		Di-n-butylphthalate	40.000	43.495	-8.7	80	-0.01
75	C	Fluoranthene	40.000	46.442	-16.1	86	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77		Benzidine	40.000	39.706	0.7	79	0.00
78		Pyrene	40.000	36.091	9.8	89	-0.01
79	S	Terphenyl-d14	80.000	75.722	5.3	94	-0.01
80		Butylbenzylphthalate	40.000	40.003	-0.0	97	-0.01
81		Benzo(a)anthracene	40.000	37.039	7.4	91	-0.01
82		3,3'-Dichlorobenzidine	40.000	37.342	6.6	89	-0.01
83		Chrysene	40.000	39.150	2.1	99	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	41.225	-3.1	101	-0.01
85	c	Di-n-octyl phthalate	40.000	40.161	-0.4	98	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	73	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.413	-1.0	76	-0.03
88		Benzo(b)fluoranthene	40.000	40.568	-1.4	83	-0.02
89		Benzo(k)fluoranthene	40.000	43.621	-9.1	82	-0.02
90	C	Benzo(a)pyrene	40.000	41.076	-2.7	79	-0.02
91		Dibenzo(a,h)anthracene	40.000	40.648	-1.6	76	-0.04
92		Benzo(g,h,i)perylene	40.000	39.851	0.4	75	-0.04

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141435.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.295		-0.6	
Benzaldehyde	0.960	0.988		2.9	
Phenol-d6	1.657	1.600		-3.4	
Phenol	1.757	1.663		-5.3	20.0
bis(2-Chloroethyl)ether	1.347	1.263		-6.2	
2-Chlorophenol	1.396	1.383		-0.9	
2-Methylphenol	1.135	1.083		-4.6	
2,2-oxybis(1-Chloropropane)	2.342	2.038		-13.0	
Acetophenone	0.475	0.493		3.8	
3+4-Methylphenols	1.393	1.395		0.1	
n-Nitroso-di-n-propylamine	0.985	0.951	0.050	-3.5	
Nitrobenzene-d5	0.379	0.397		4.5	
Hexachloroethane	0.571	0.582		1.9	
Nitrobenzene	0.393	0.403		2.5	
Isophorone	0.656	0.632		-3.7	
2-Nitrophenol	0.185	0.191		3.2	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.393		-6.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.058		0.1	
4-Chloroaniline	0.358	0.335		-6.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.310	0.323		4.2	20.0
2-Methylnaphthalene	0.672	0.670		-0.3	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.338		3.0	
2,4,5-Trichlorophenol	0.405	0.418		3.2	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.222		0.5	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.345		-0.4	
Acenaphthylene	1.702	1.696		-0.4	
2,6-Dinitrotoluene	0.314	0.319		1.6	
3-Nitroaniline	0.307	0.309		0.7	
Acenaphthene	1.216	1.232		1.3	20.0
2,4-Dinitrophenol	0.146	0.160	0.050	9.6	
4-Nitrophenol	0.225	0.235	0.050	4.4	

Raw Data: **BF141435.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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.626		-0.1	
2,4-Dinitrotoluene	0.406	0.428		5.4	
Diethylphthalate	1.310	1.326		1.2	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.312		4.0	
4-Nitroaniline	0.302	0.314		4.0	
4,6-Dinitro-2-methylphenol	0.118	0.135		14.4	
n-Nitrosodiphenylamine	0.647	0.657		1.5	20.0
2,4,6-Tribromophenol	0.183	0.197		7.7	
4-Bromophenyl-phenylether	0.224	0.231		3.1	
Hexachlorobenzene	0.238	0.246		3.4	
Atrazine	0.216	0.200		-7.4	
Pentachlorophenol	0.139	0.151		8.6	20.0
Phenanthrene	1.075	1.115		3.7	
Anthracene	1.053	1.101		4.6	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.165		2.9	
Fluoranthene	1.062	1.154		8.7	20.0
Pyrene	1.920	1.874		-2.4	
Terphenyl-d14	1.297	1.290		-0.5	
Butylbenzylphthalate	0.671	0.667		-0.6	
3,3-Dichlorobenzidine	0.439	0.419		-4.6	
Benzo(a)anthracene	1.380	1.310		-5.1	
Chrysene	1.265	1.242		-1.8	
Bis(2-ethylhexyl)phthalate	0.851	0.821		-3.5	
Di-n-octyl phthalate	1.321	1.243		-5.9	20.0
Benzo(b)fluoranthene	1.258	1.327		5.5	
Benzo(k)fluoranthene	1.114	1.082		-2.9	
Benzo(a)pyrene	1.063	1.102		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.411		9.3	
Dibenzo(a,h)anthracene	1.039	1.133		9.0	
Benzo(g,h,i)perylene	1.080	1.191		10.3	
1,2,4,5-Tetrachlorobenzene	0.569	0.579		1.8	
1,4-Dioxane	0.573	0.500		-12.7	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.335		5.0	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	78610	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	301871	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	162758	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	271503	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168458	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	170248	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	407329	79.549	ng	0.00
7) Phenol-d6	6.434	99	503234	77.255	ng	0.00
23) Nitrobenzene-d5	7.357	82	478767	83.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	127994	85.780	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	870937	82.364	ng	-0.01
79) Terphenyl-d14	12.904	244	869288	79.581	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.457	88	78559	34.885	ng	94
3) Pyridine	3.187	79	194117	35.776	ng	95
4) n-Nitrosodimethylamine	3.140	42	135212m	43.622	ng	
6) Aniline	6.451	93	203874	36.974	ng	# 15
8) 2-Chlorophenol	6.581	128	217362	39.605	ng	98
9) Benzaldehyde	6.340	77	155340	41.171	ng	99
10) Phenol	6.445	94	261387	37.854	ng	# 70
11) bis(2-Chloroethyl)ether	6.528	93	198646	37.520	ng	99
12) 1,3-Dichlorobenzene	6.734	146	244041	40.328	ng	100
13) 1,4-Dichlorobenzene	6.810	146	248088	40.809	ng	100
14) 1,2-Dichlorobenzene	6.963	146	230694	40.526	ng	98
15) Benzyl Alcohol	6.934	79	188189	42.275	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	320404	34.802	ng	83
17) 2-Methylphenol	7.051	107	170207	38.159	ng	93
18) Hexachloroethane	7.304	117	91496	40.798	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	149493	38.623	ng	100
20) 3+4-Methylphenols	7.210	107	219253	40.033	ng	94
22) Acetophenone	7.204	105	297343	41.439	ng	97
24) Nitrobenzene	7.375	77	243522	41.037	ng	98
25) Isophorone	7.616	82	381288	38.520	ng	99
26) 2-Nitrophenol	7.692	139	115128	41.137	ng	95
27) 2,4-Dimethylphenol	7.734	122	138196m	38.795	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	236983	37.533	ng	99
29) 2,4-Dichlorophenol	7.939	162	179202	41.092	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	204292	41.020	ng	100
31) Naphthalene	8.098	128	638897	40.064	ng	99
32) Benzoic acid	7.851	122	131516	40.161	ng	94
33) 4-Chloroaniline	8.145	127	202319	37.413	ng	98
34) Hexachlorobutadiene	8.216	225	128024	43.834	ng	99
35) Caprolactam	8.516	113	55628	39.058	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	195300	41.751	ng	94
37) 2-Methylnaphthalene	8.786	142	404544	39.913	ng	100
38) 1-Methylnaphthalene	8.886	142	396613	39.835	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	188623	40.737	ng	99
41) Hexachlorocyclopentadiene	8.939	237	53928	39.437	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	125213	41.315	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	136179	41.284	ng		99
46) 1,1'-Biphenyl	9.251	154	500011	39.392	ng		97
47) 2-Chloronaphthalene	9.275	162	397635	40.191	ng		100
48) 2-Nitroaniline	9.375	65	128787	41.385	ng		97
49) Acenaphthylene	9.692	152	552204	39.872	ng		100
50) Dimethylphthalate	9.557	163	437816	39.828	ng		100
51) 2,6-Dinitrotoluene	9.616	165	103868	40.695	ng		95
52) Acenaphthene	9.863	154	400902	40.520	ng		98
53) 3-Nitroaniline	9.786	138	100475	40.165	ng		97
54) 2,4-Dinitrophenol	9.892	184	52193	43.990	ng	#	85
55) Dibenzofuran	10.033	168	529389	39.973	ng		96
56) 4-Nitrophenol	9.963	139	76553	41.844	ng		90
57) 2,4-Dinitrotoluene	10.022	165	139267	42.144	ng		96
58) Fluorene	10.380	166	427075	41.573	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	109126	42.052	ng		97
60) Diethylphthalate	10.251	149	431776	40.510	ng		99
61) 4-Chlorophenyl-phenyle...	10.375	204	209555	41.761	ng		99
62) 4-Nitroaniline	10.398	138	102198	41.554	ng		89
63) Azobenzene	10.533	77	406009	38.055	ng		97
65) 4,6-Dinitro-2-methylph...	10.433	198	73514	45.776	ng		99
66) n-Nitrosodiphenylamine	10.492	169	356533	40.601	ng		99
67) 4-Bromophenyl-phenylether	10.863	248	125379	41.249	ng		98
68) Hexachlorobenzene	10.928	284	133335	41.354	ng		98
69) Atrazine	11.022	200	108751	37.040	ng		99
70) Pentachlorophenol	11.127	266	82010	43.436	ng		99
71) Phenanthrene	11.345	178	605311	41.476	ng		99
72) Anthracene	11.392	178	597915	41.812	ng		99
73) Carbazole	11.551	167	545853	43.048	ng		100
74) Di-n-butylphthalate	11.880	149	632426	41.155	ng		100
75) Fluoranthene	12.533	202	626646	43.486	ng		97
77) Benzidine	12.657	184	207554	38.432	ng		98
78) Pyrene	12.763	202	631407	39.047	ng		99
80) Butylbenzylphthalate	13.380	149	224717	39.778	ng		99
81) Benzo(a)anthracene	13.951	228	441320	37.964	ng		100
82) 3,3'-Dichlorobenzidine	13.916	252	141060	38.153	ng		98
83) Chrysene	13.992	228	418577	39.290	ng		100
84) Bis(2-ethylhexyl)phtha...	13.945	149	276519	38.586	ng		98
85) Di-n-octyl phthalate	14.568	149	418773	37.624	ng		99
87) Indeno(1,2,3-cd)pyrene	16.874	276	480324	43.712	ng		95
88) Benzo(b)fluoranthene	15.004	252	451713	42.180	ng		98
89) Benzo(k)fluoranthene	15.033	252	368364	38.829	ng		98
90) Benzo(a)pyrene	15.363	252	375306	41.472	ng		98
91) Dibenzo(a,h)anthracene	16.892	278	385925	43.654	ng		97
92) Benzo(g,h,i)perylene	17.309	276	405442	44.107	ng		95

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

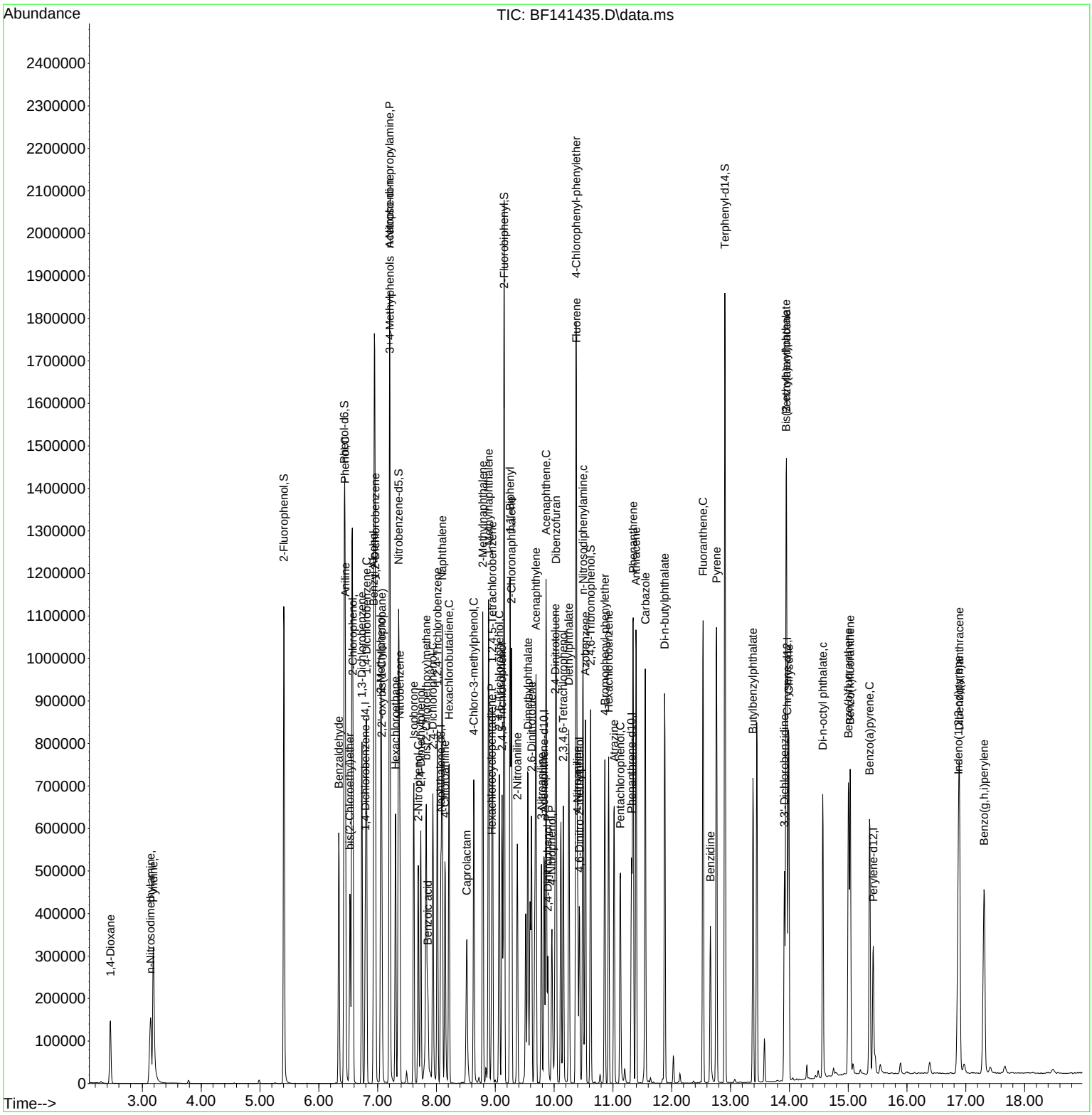
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

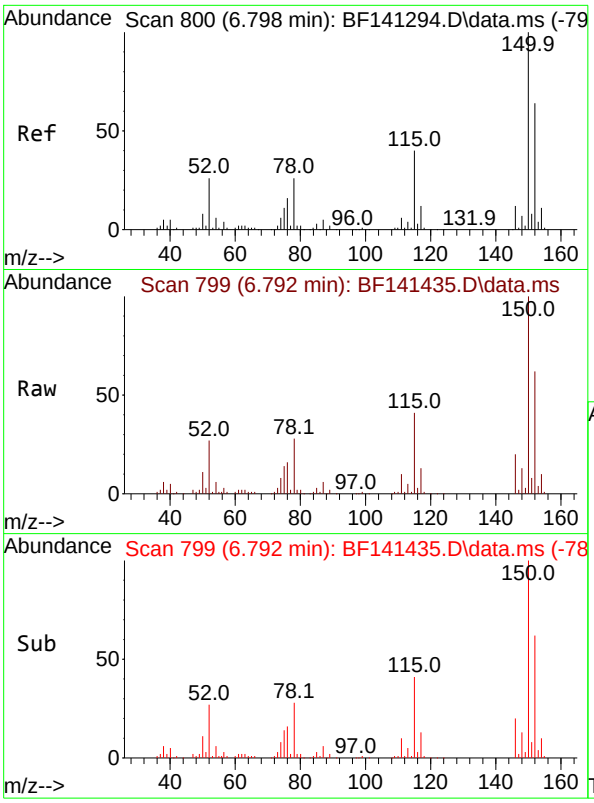
Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

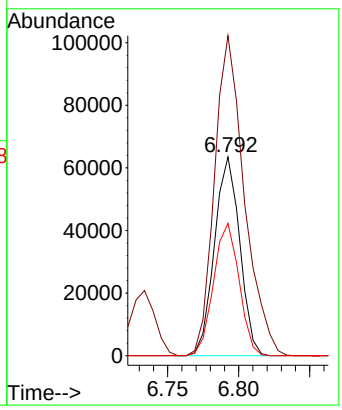




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:152 Resp: 7861

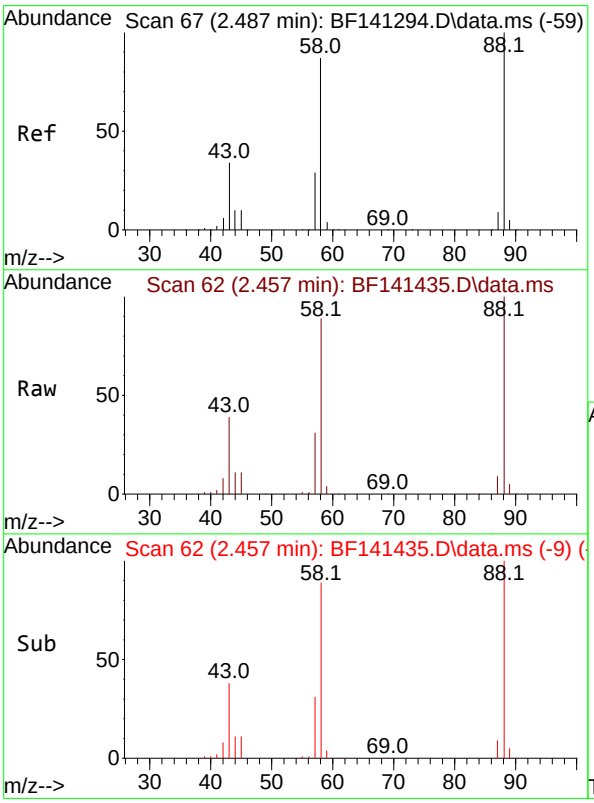
Ion	Ratio	Lower	Upper
152	100		
150	161.0	125.9	188.9
115	66.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

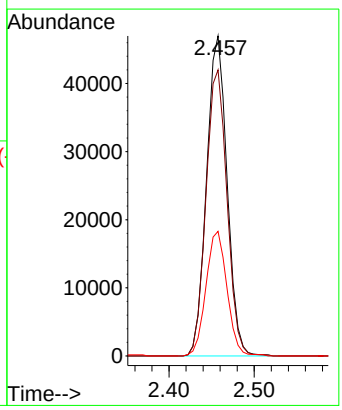
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

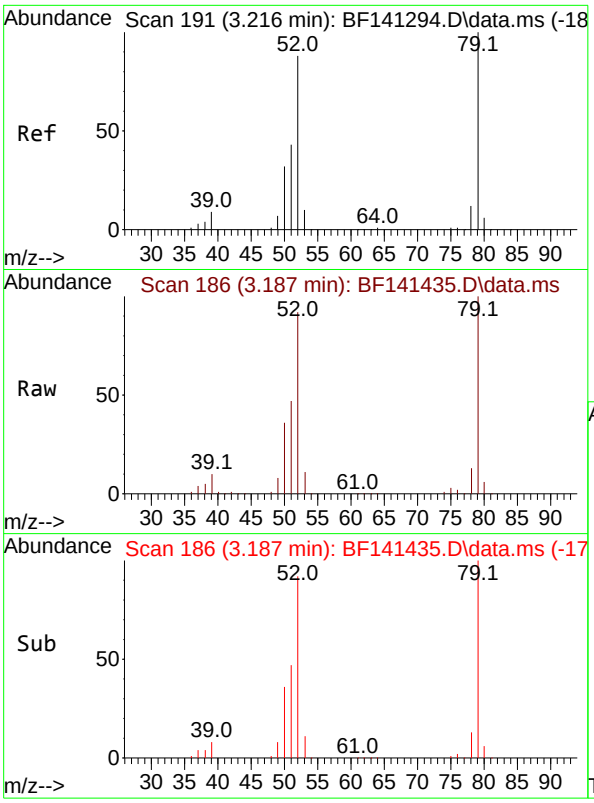


#2
1,4-Dioxane
Concen: 34.885 ng
RT: 2.457 min Scan# 62
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 88 Resp: 78559

Ion	Ratio	Lower	Upper
88	100		
58	91.6	70.2	105.4
43	40.0	27.6	41.4

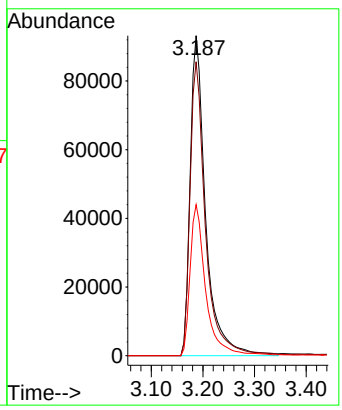




#3
Pyridine
Concen: 35.776 ng
RT: 3.187 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 79 Resp: 19411

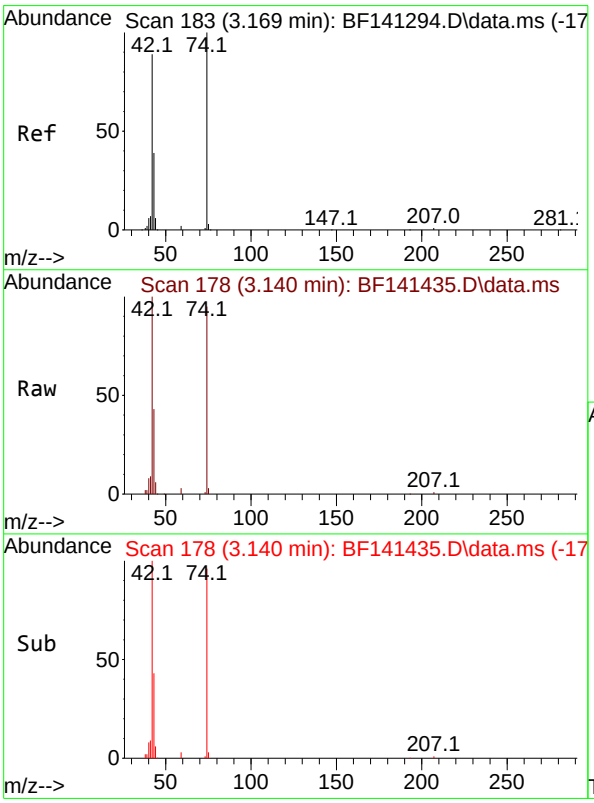
Ion	Ratio	Lower	Upper
79	100		
52	91.9	70.3	105.5
51	47.2	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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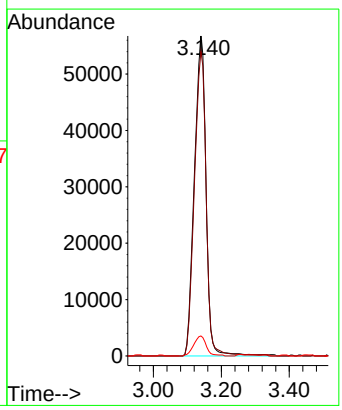
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

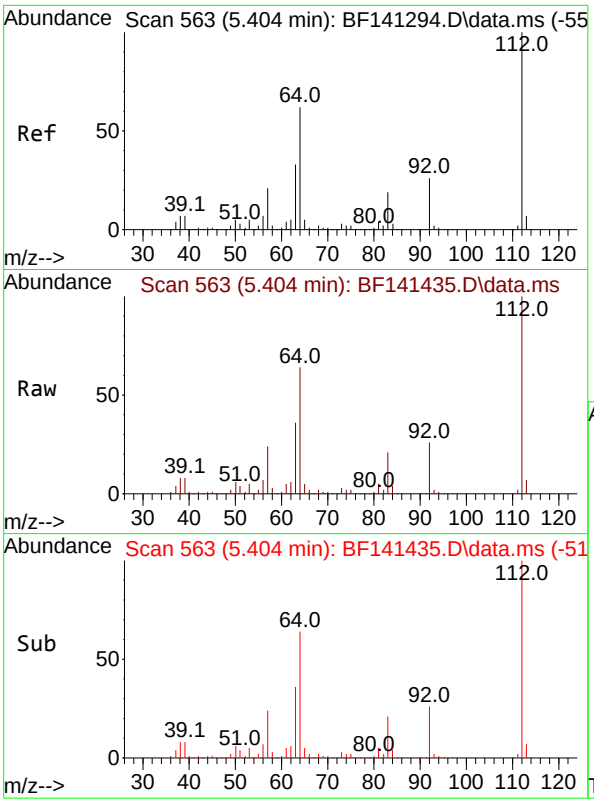


#4
n-Nitrosodimethylamine
Concen: 43.622 ng m
RT: 3.140 min Scan# 178
Delta R.T. -0.059 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 42 Resp: 135212

Ion	Ratio	Lower	Upper
42	100		
74	95.2	90.3	135.5
44	6.3	5.7	8.5





#5
2-Fluorophenol
Concen: 79.549 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

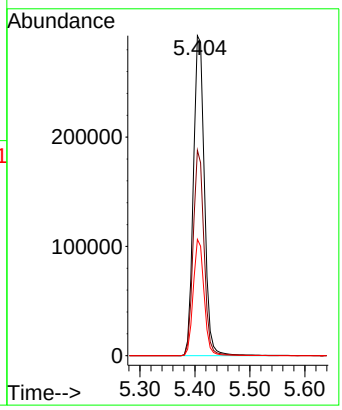
Tgt Ion:112 Resp: 40732

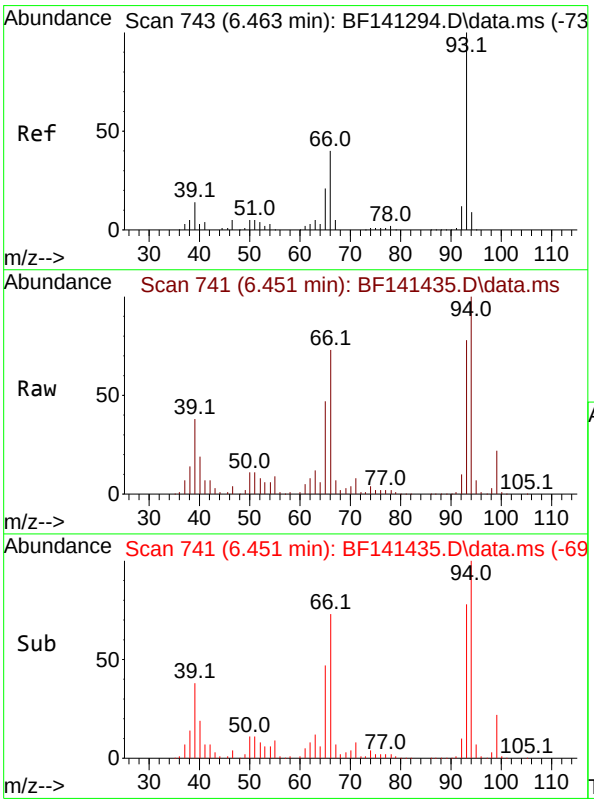
Ion	Ratio	Lower	Upper
112	100		
64	64.2	49.8	74.8
63	36.3	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

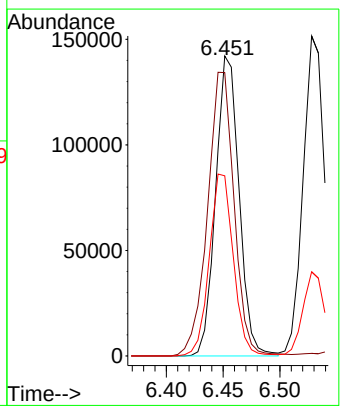


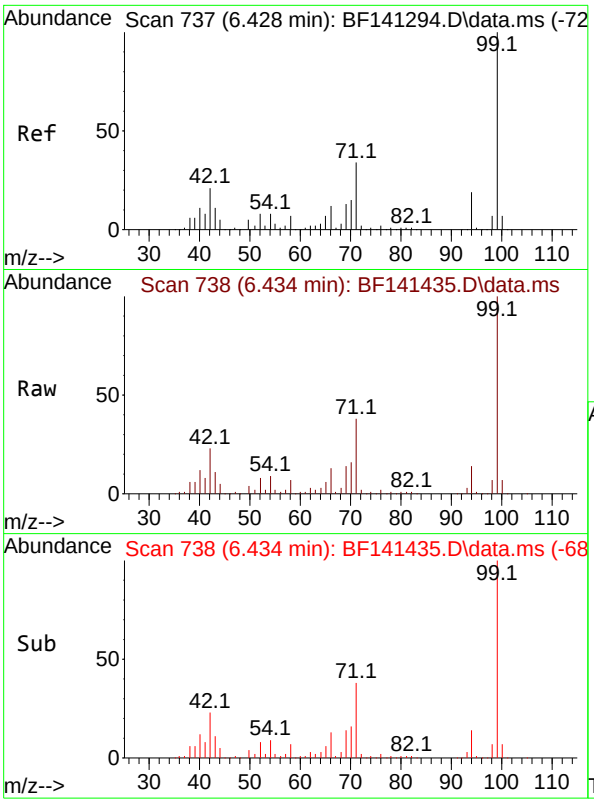


#6
Aniline
Concen: 36.974 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 93 Resp: 203874

Ion	Ratio	Lower	Upper
93	100		
66	94.5	32.5	48.7#
65	60.0	17.0	25.6#

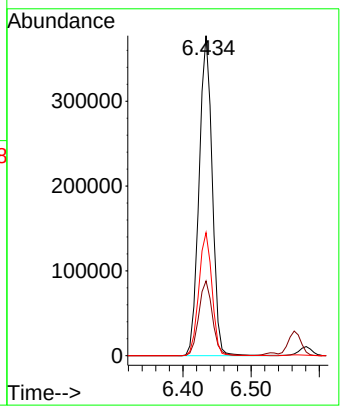




#7
Phenol-d6
Concen: 77.255 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 99 Resp: 50323

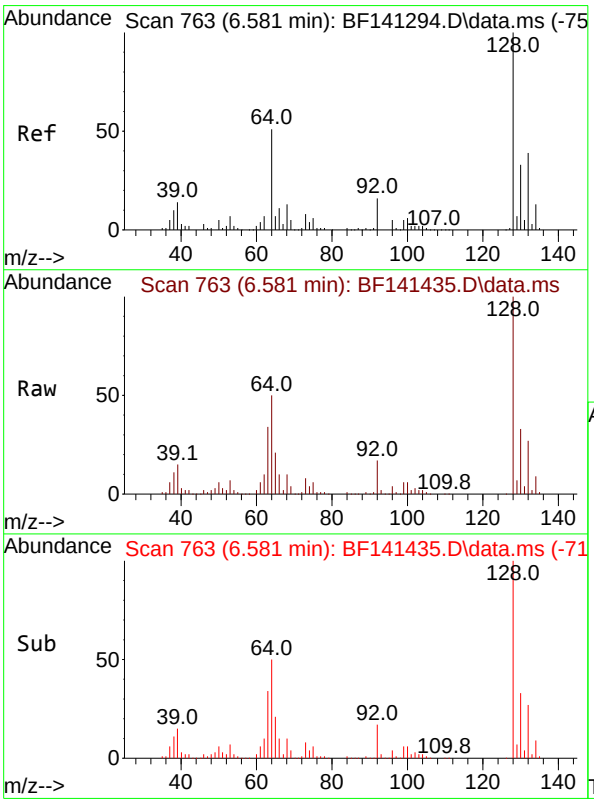
Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.1	25.7
71	38.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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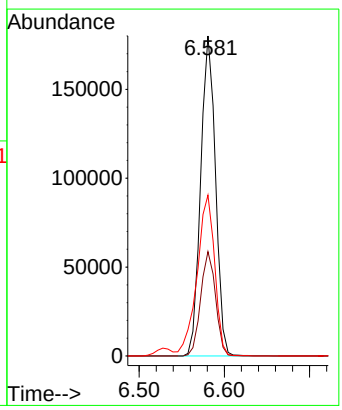
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

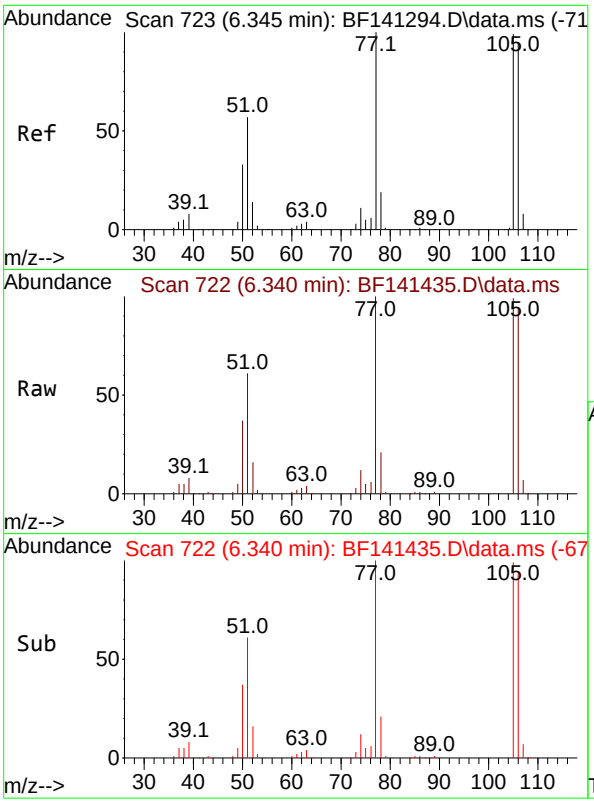


#8
2-Chlorophenol
Concen: 39.605 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:128 Resp: 217362

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	50.3	32.9	72.9





#9
Benzaldehyde
Concen: 41.171 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

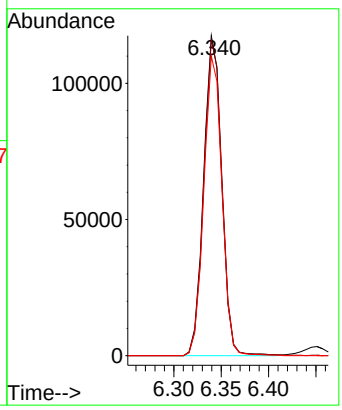
Tgt Ion: 77 Resp: 15534

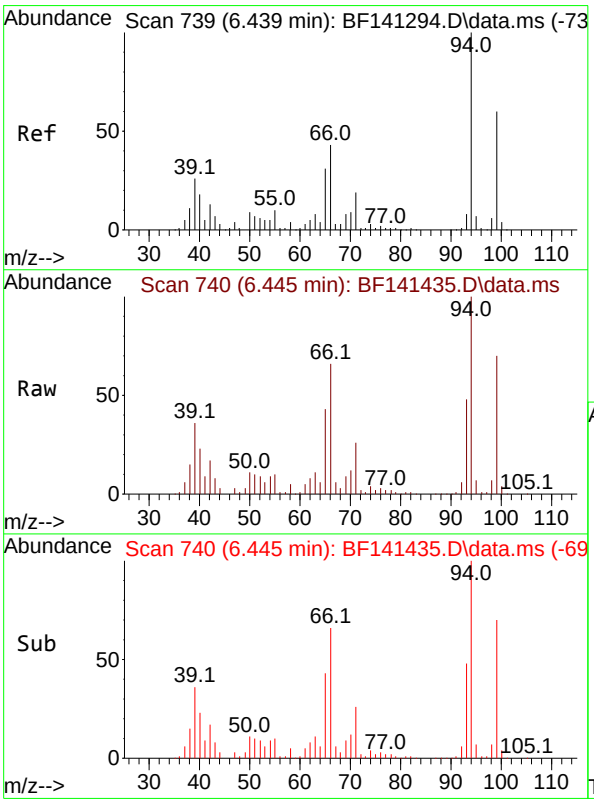
Ion	Ratio	Lower	Upper
77	100		
105	98.6	79.4	119.4
106	93.6	74.6	114.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

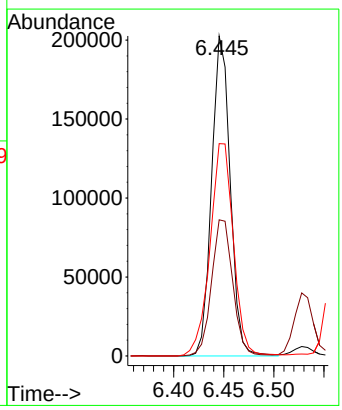


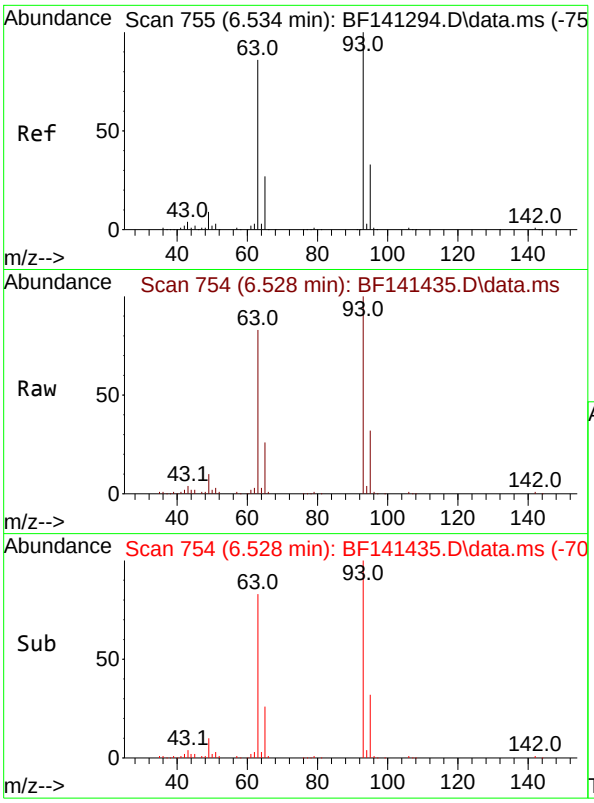


#10
Phenol
Concen: 37.854 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 94 Resp: 261387

Ion	Ratio	Lower	Upper
94	100		
65	42.6	10.8	50.8
66	66.3	23.3	63.3#





#11
bis(2-Chloroethyl)ether
Concen: 37.520 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

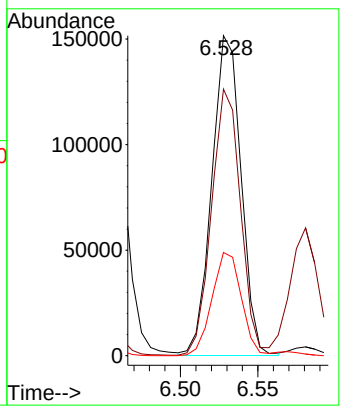
Tgt Ion: 93 Resp: 19864

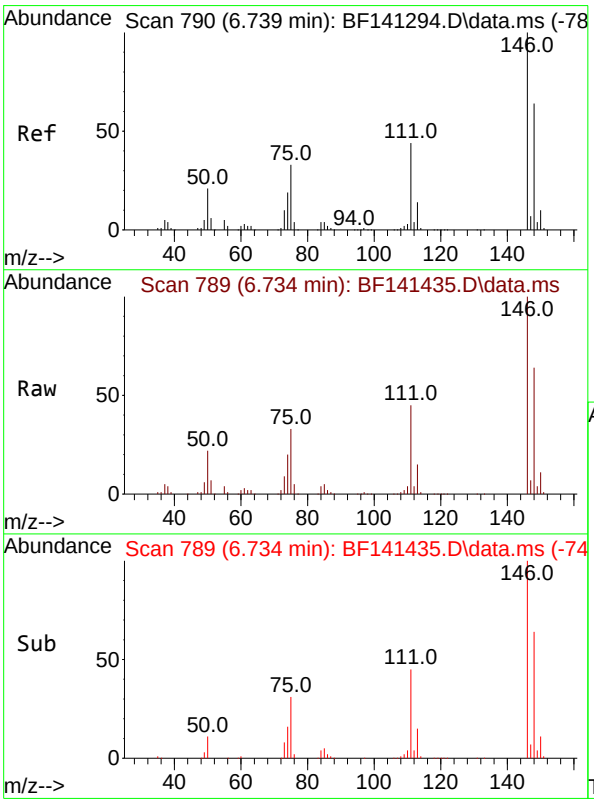
Ion	Ratio	Lower	Upper
93	100		
63	83.3	65.0	105.0
95	32.2	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

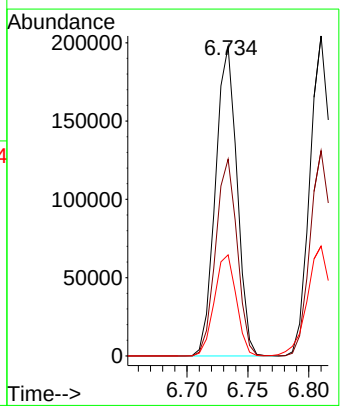


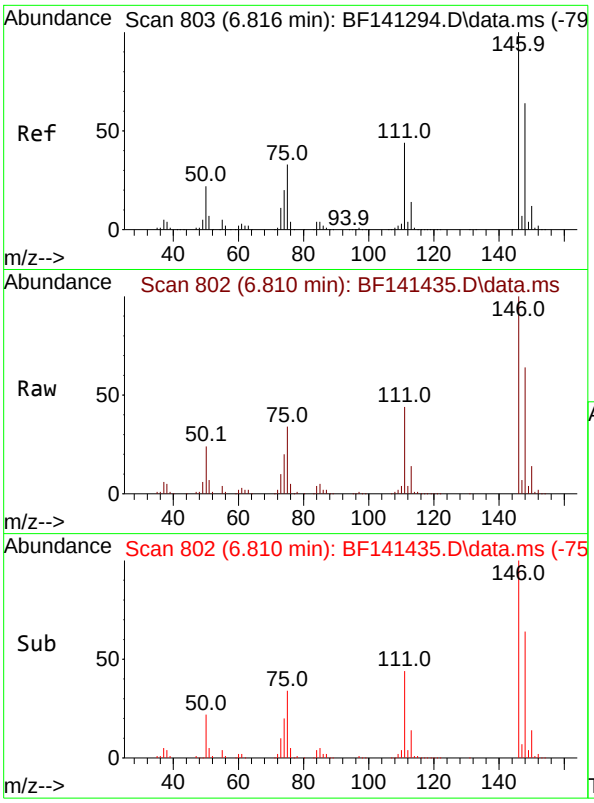


#12
1,3-Dichlorobenzene
Concen: 40.328 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 244041

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	32.6	26.2	39.4

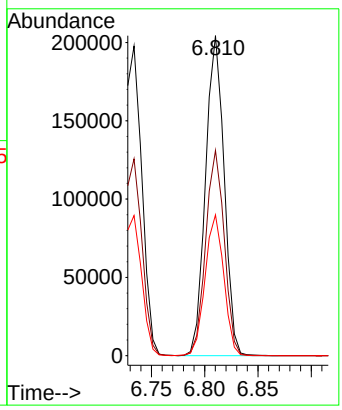




#13
1,4-Dichlorobenzene
Concen: 40.809 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 24808

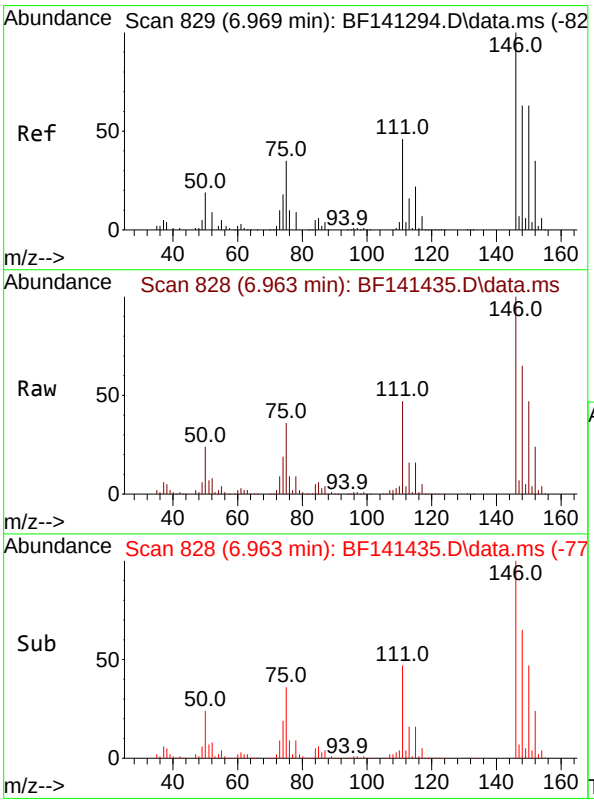
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
111	44.0	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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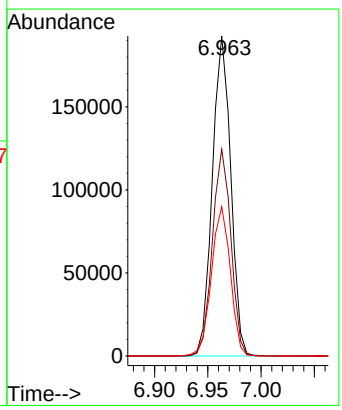
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

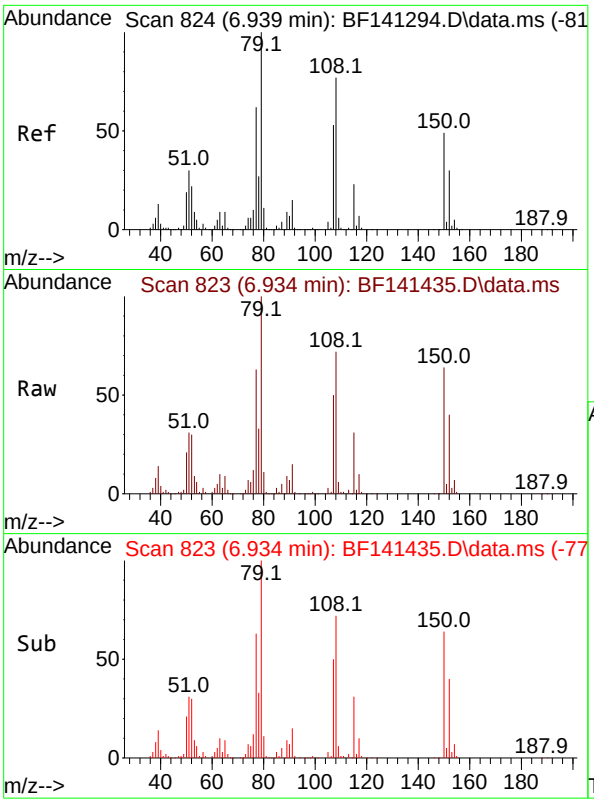


#14
1,2-Dichlorobenzene
Concen: 40.526 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 230694

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
111	46.7	36.6	55.0





#15
Benzyl Alcohol
Concen: 42.275 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

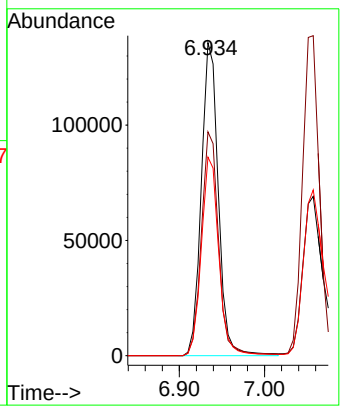
Tgt Ion: 79 Resp: 18818

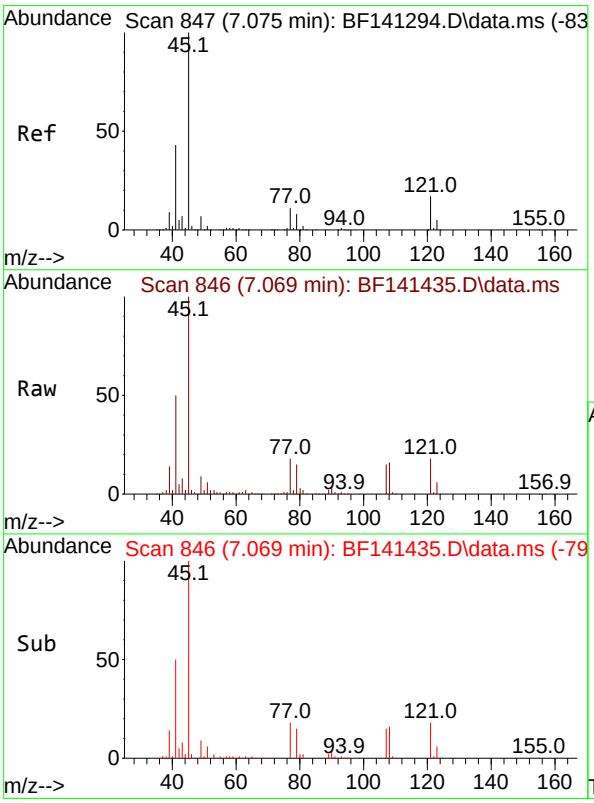
Ion	Ratio	Lower	Upper
79	100		
108	71.6	61.4	92.0
77	63.5	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

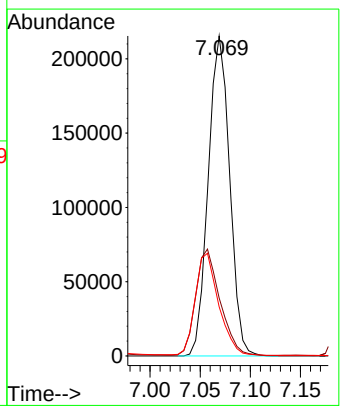


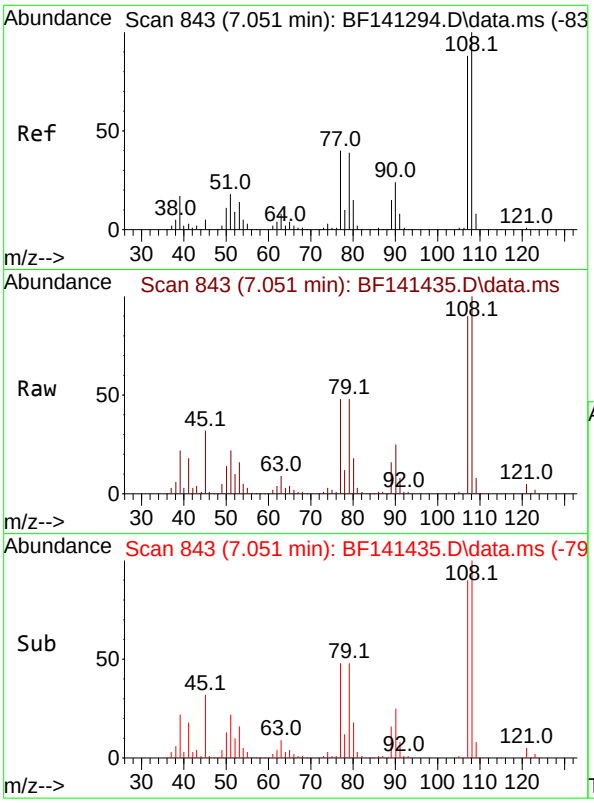


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.802 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 45 Resp: 320404

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	31.8
79	15.4	0.0	29.1

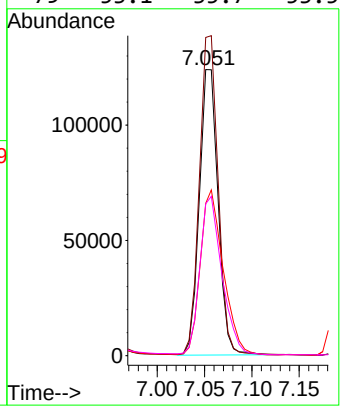




#17
2-Methylphenol
Concen: 38.159 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 17020

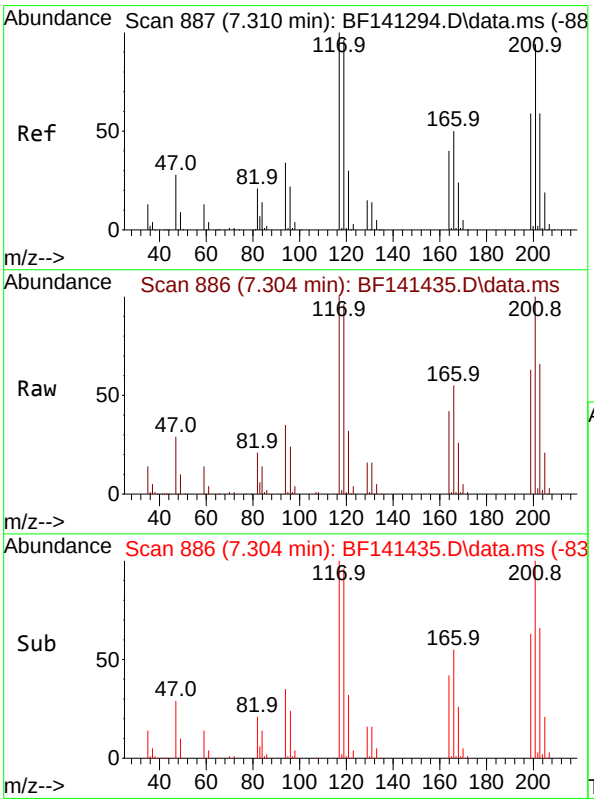
Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.8	136.2
77	53.2	36.2	54.4
79	53.1	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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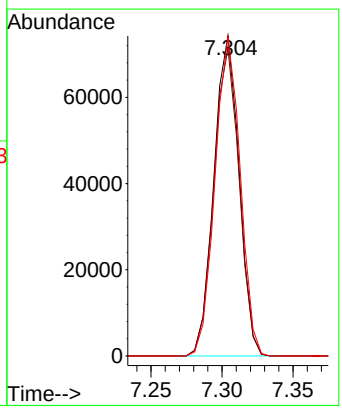
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

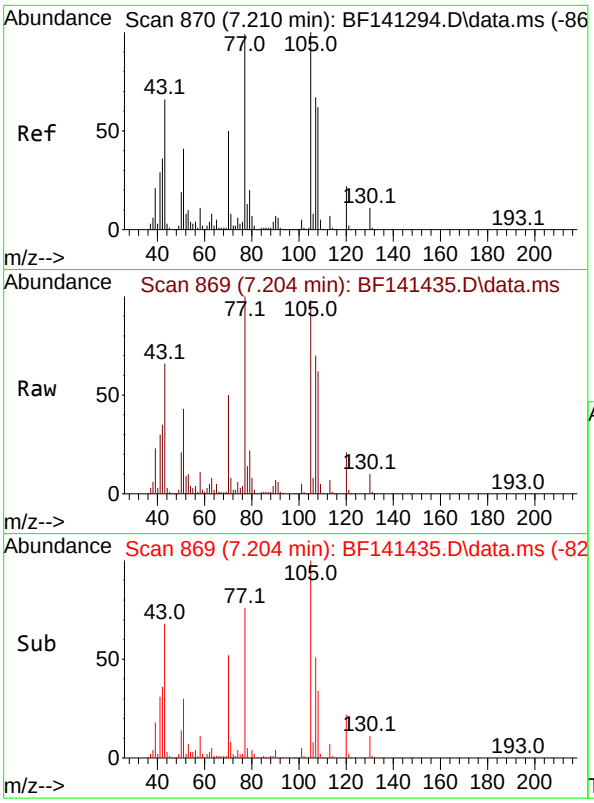


#18
Hexachloroethane
Concen: 40.798 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:117 Resp: 91496

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
201	99.7	74.8	112.2

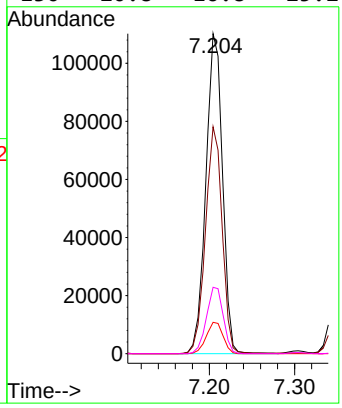




#19
n-Nitroso-di-n-propylamine
Concen: 38.623 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 70 Resp: 14949

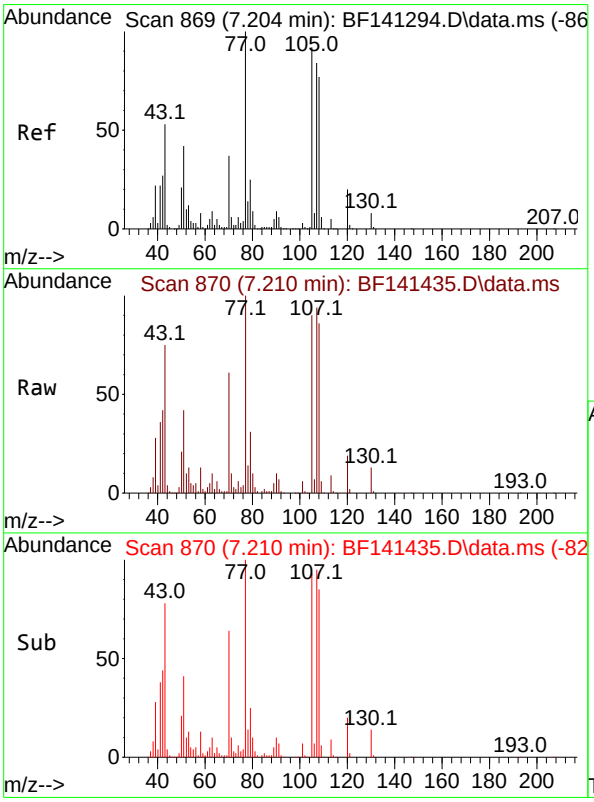
Ion	Ratio	Lower	Upper
70	100		
42	70.9	56.8	85.2
101	9.8	7.7	11.5
130	20.8	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

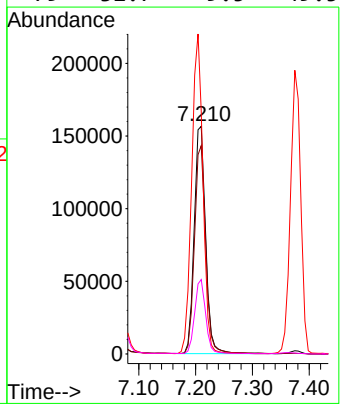
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

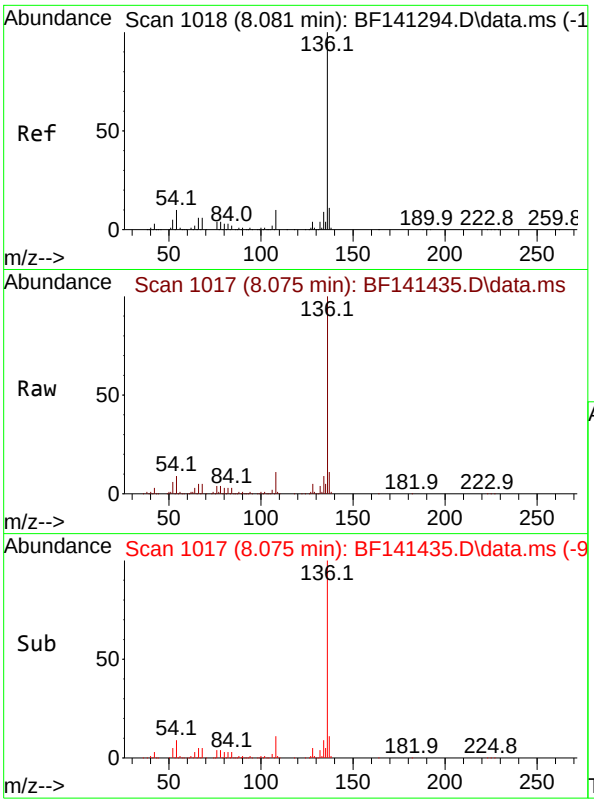


#20
3+4-Methylphenols
Concen: 40.033 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 219253

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.9	110.9
77	106.4	98.5	138.5
79	32.7	9.5	49.5

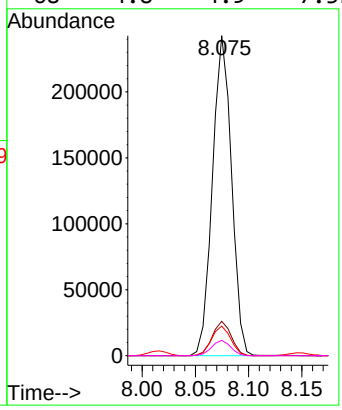




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:136 Resp: 30187

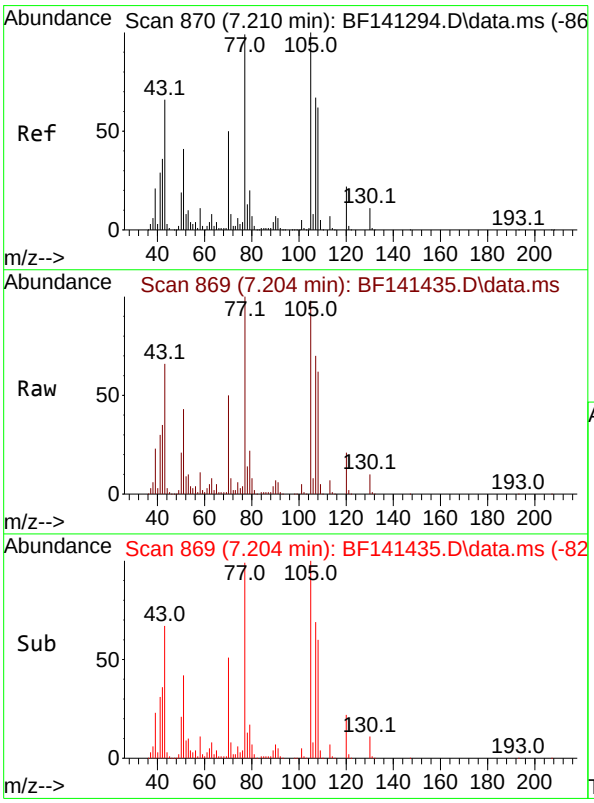
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.2	7.8	11.8
68	4.8	4.9	7.3#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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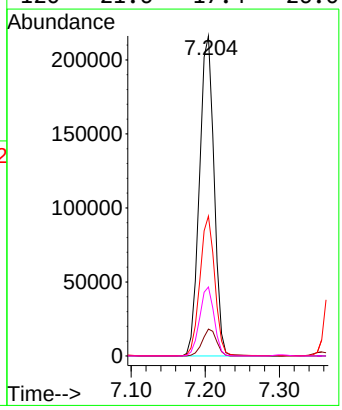
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

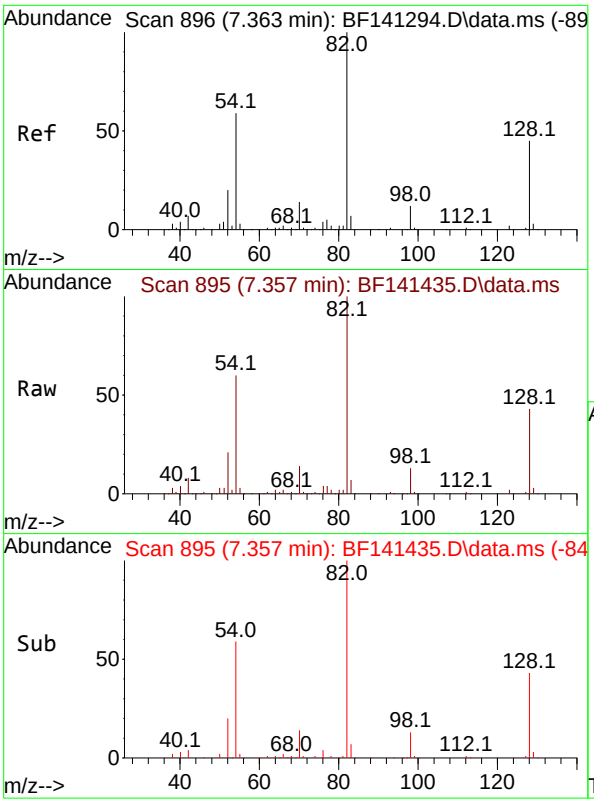


#22
Acetophenone
Concen: 41.439 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:105 Resp: 297343

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	43.7	32.6	49.0
120	21.6	17.4	26.0

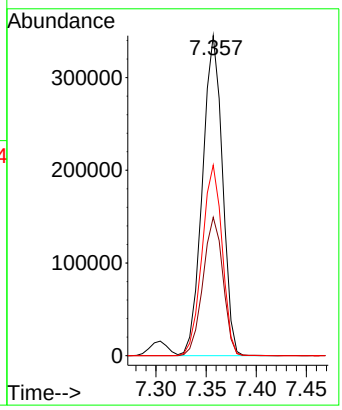




#23
Nitrobenzene-d5
Concen: 83.608 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 82 Resp: 47876

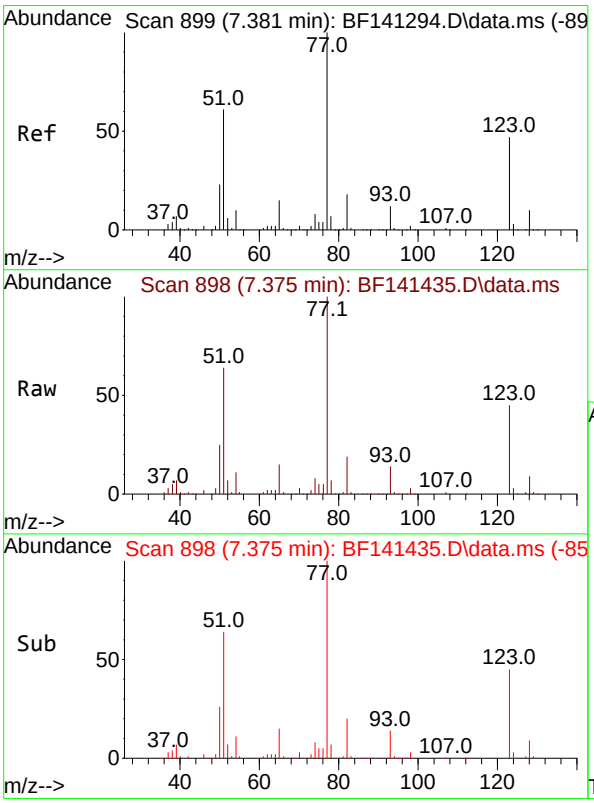
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	59.5	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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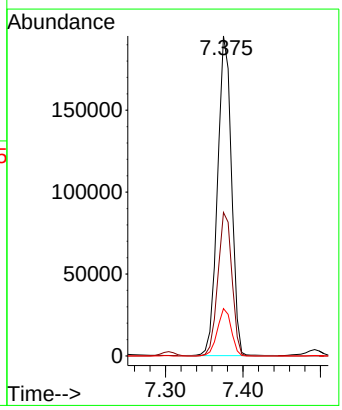
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

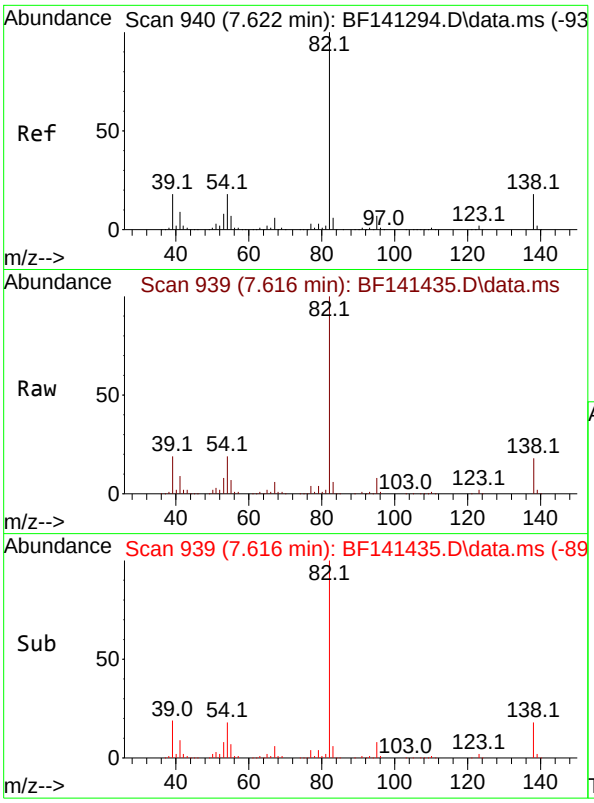


#24
Nitrobenzene
Concen: 41.037 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 77 Resp: 243522

Ion	Ratio	Lower	Upper
77	100		
123	44.9	37.3	55.9
65	14.8	11.8	17.6

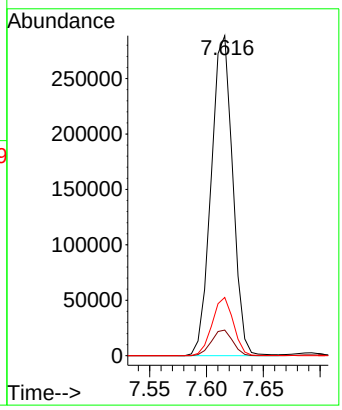




#25
Isophorone
Concen: 38.520 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 82 Resp: 38128

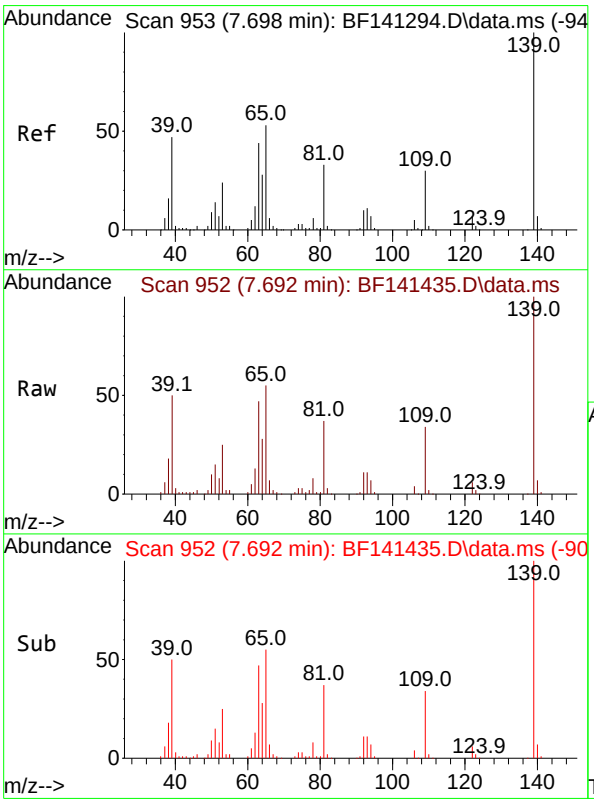
Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.6
138	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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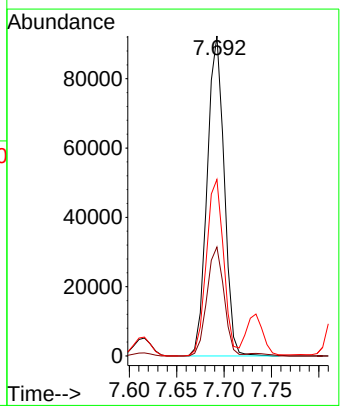
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

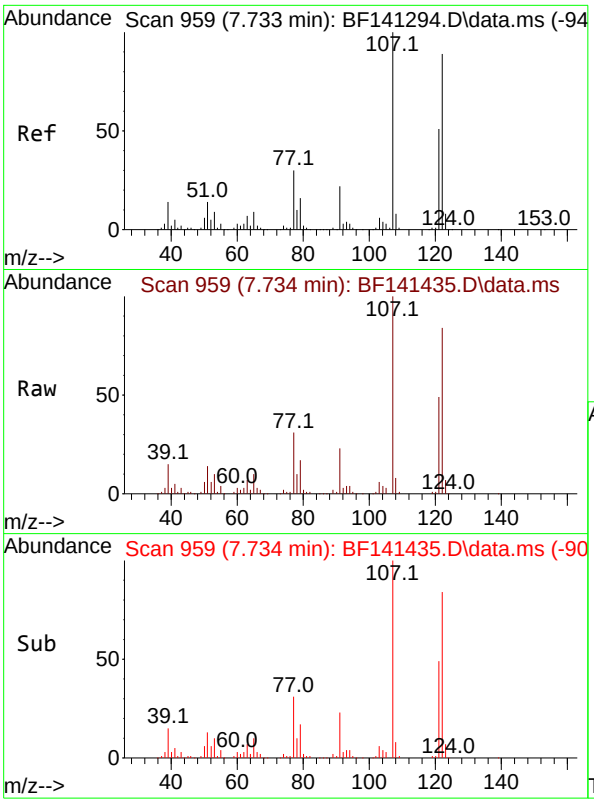


#26
2-Nitrophenol
Concen: 41.137 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 115128

Ion	Ratio	Lower	Upper
139	100		
109	34.0	23.8	35.6
65	55.2	42.2	63.4

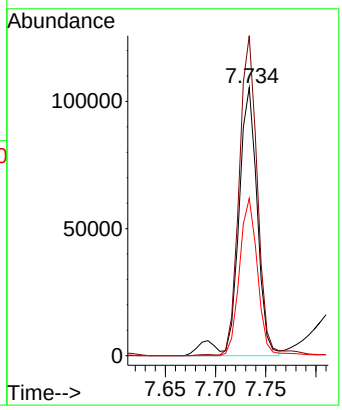




#27
2,4-Dimethylphenol
Concen: 38.795 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:122 Resp: 13819

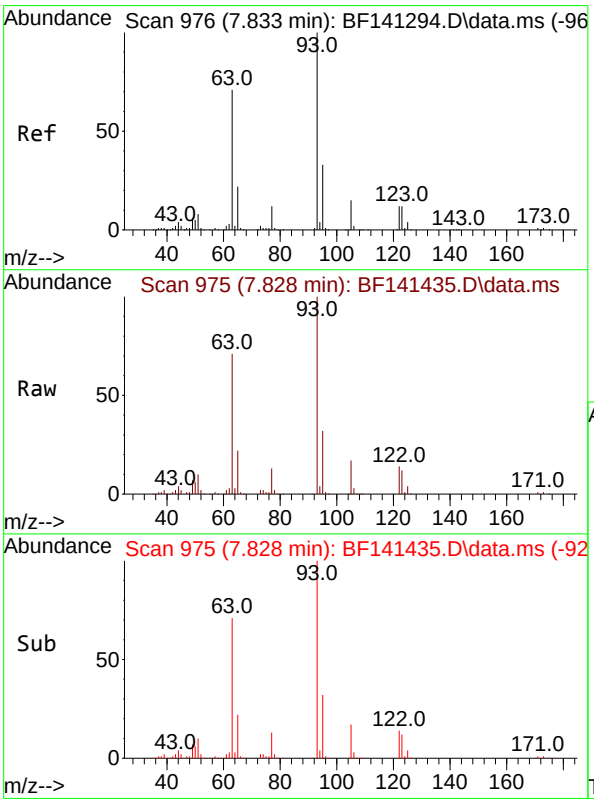
Ion	Ratio	Lower	Upper
122	100		
107	119.3	89.9	134.9
121	58.7	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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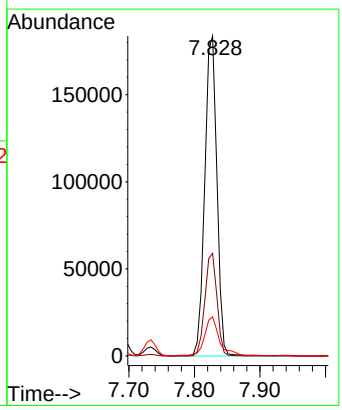
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

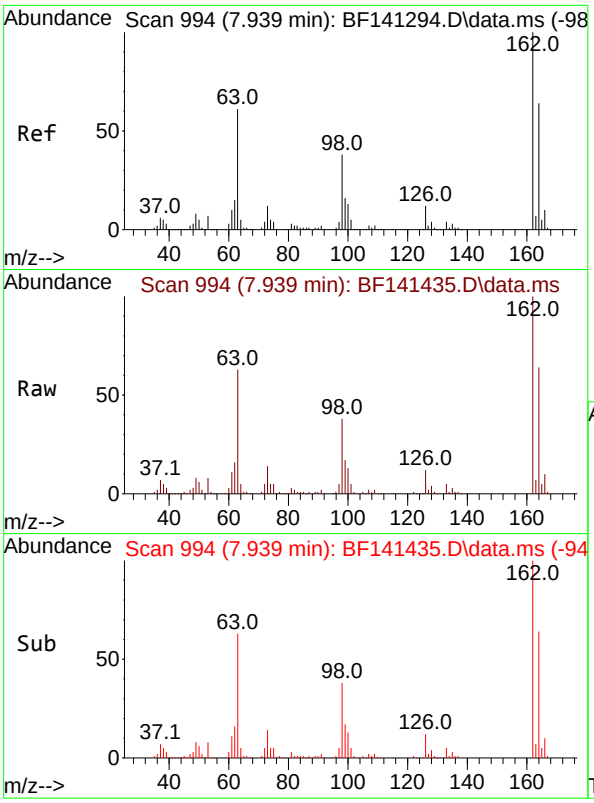


#28
bis(2-Chloroethoxy)methane
Concen: 37.533 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 93 Resp: 236983

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	12.2	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 41.092 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

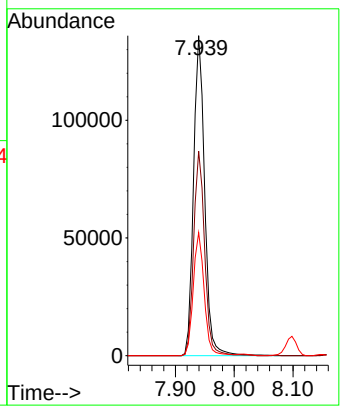
Tgt Ion:162 Resp: 17920

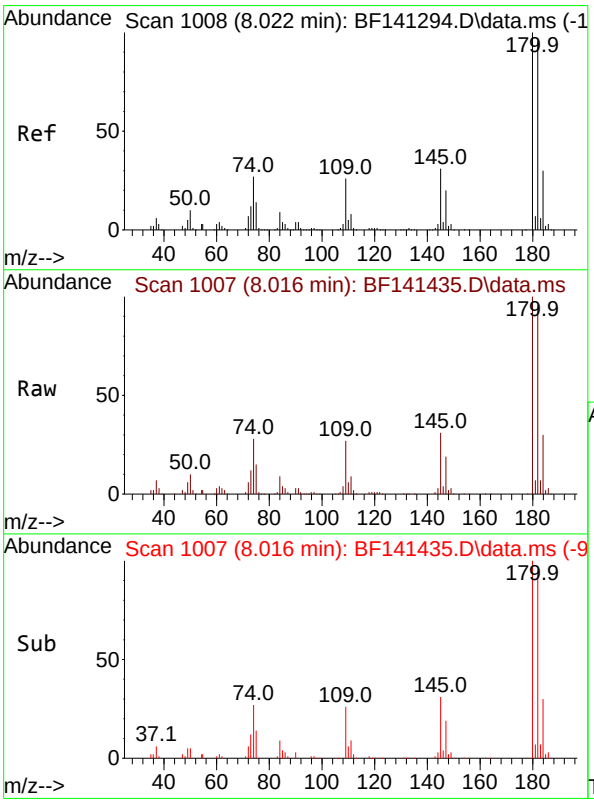
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	38.4	18.2	58.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

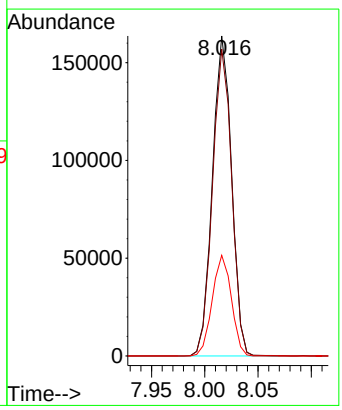


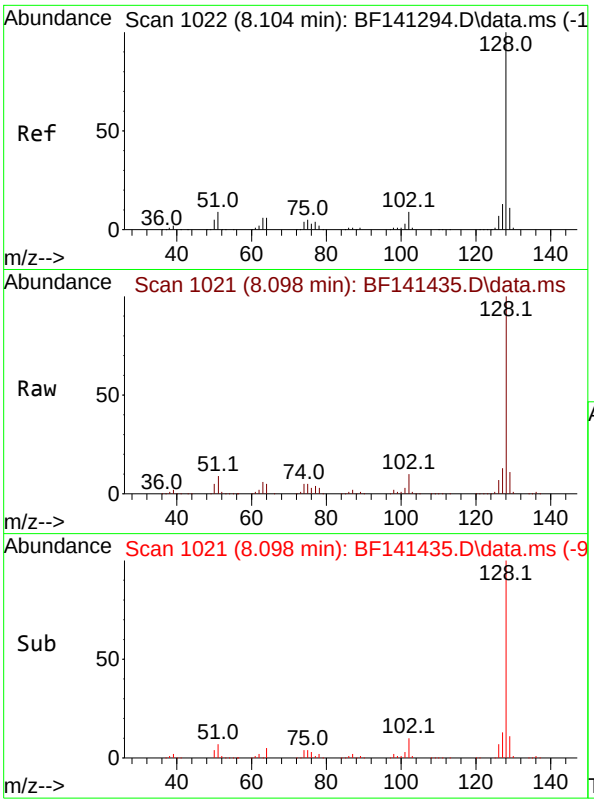


#30
1,2,4-Trichlorobenzene
Concen: 41.020 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:180 Resp: 204292

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	31.5	24.9	37.3





#31
Naphthalene
Concen: 40.064 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

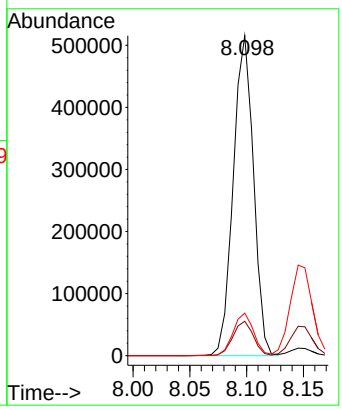
Tgt Ion:128 Resp: 63889

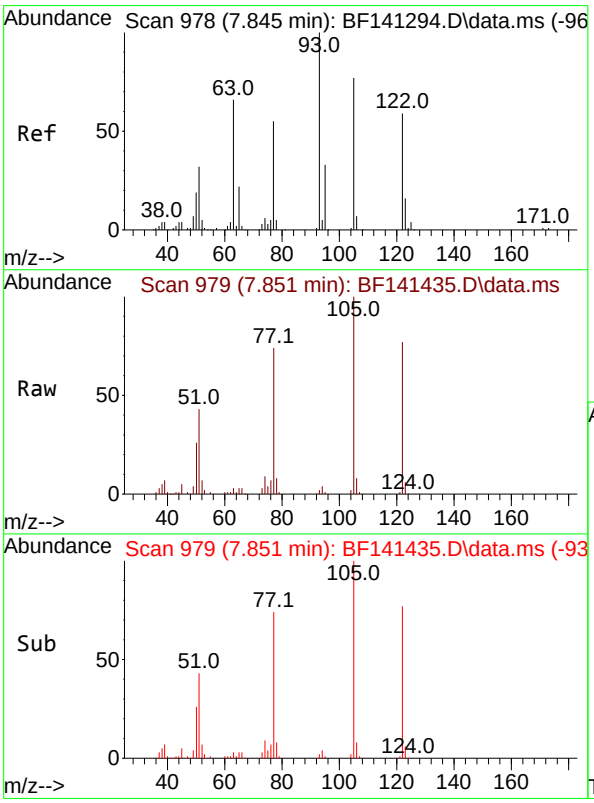
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

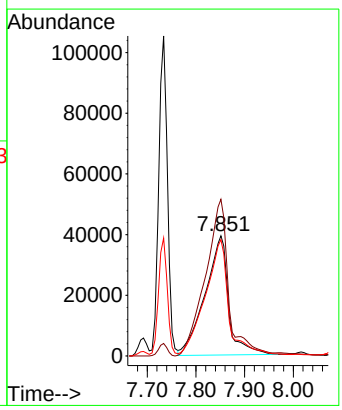


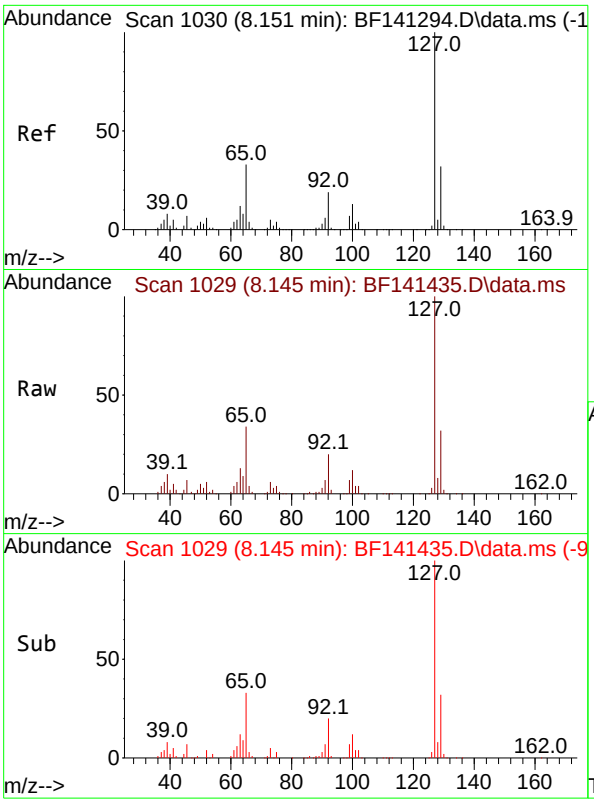


#32
Benzoic acid
Concen: 40.161 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:122 Resp: 131516

Ion	Ratio	Lower	Upper
122	100		
105	130.3	103.4	143.4
77	96.7	70.9	110.9

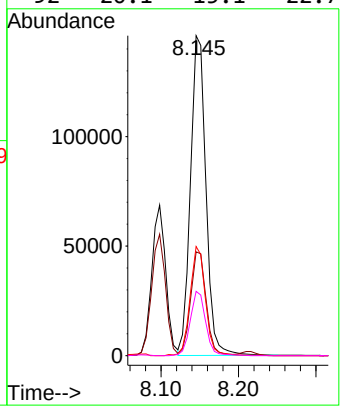




#33
4-Chloroaniline
Concen: 37.413 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:127 Resp: 20231

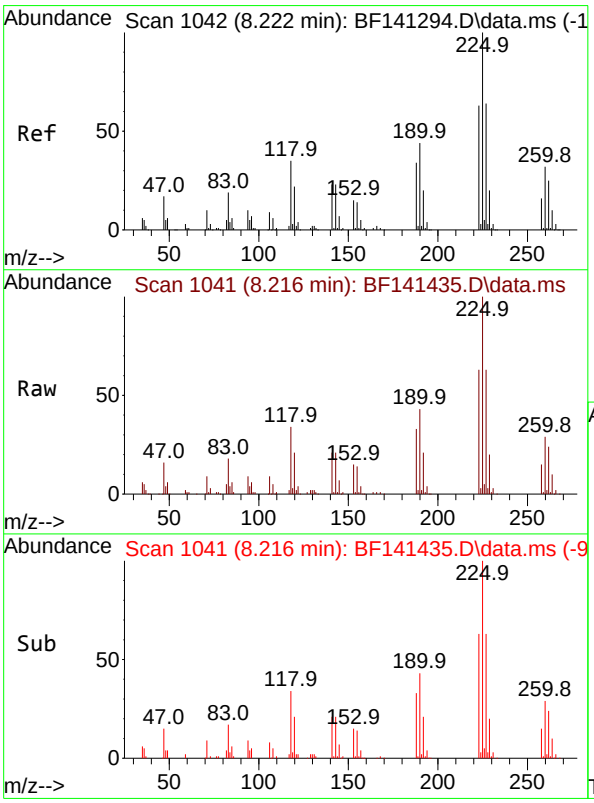
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	34.1	26.4	39.6
92	20.1	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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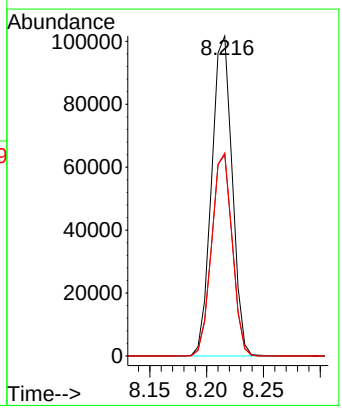
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

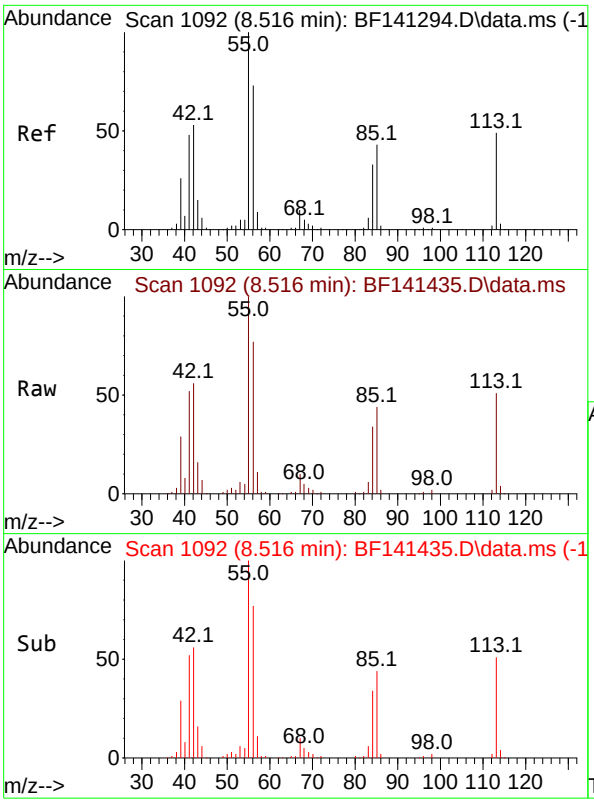


#34
Hexachlorobutadiene
Concen: 43.834 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:225 Resp: 128024

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	63.4	51.3	76.9





#35
Caprolactam
Concen: 39.058 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

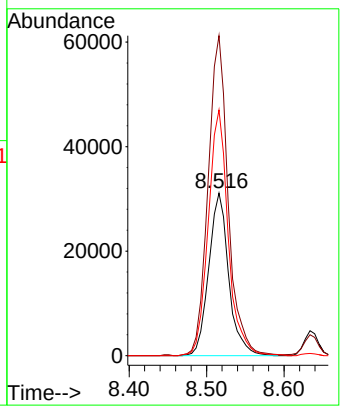
Tgt Ion:113 Resp: 5562

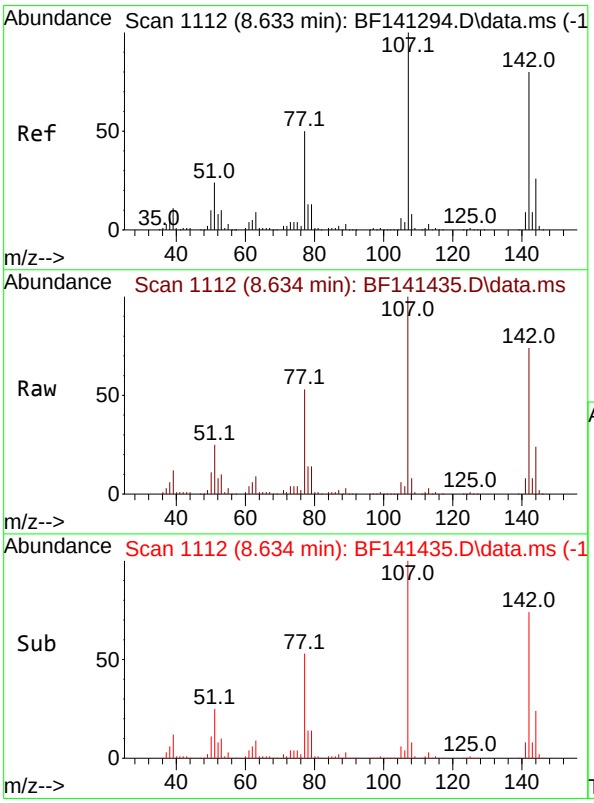
Ion	Ratio	Lower	Upper
113	100		
55	196.8	182.9	222.9
56	151.2	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

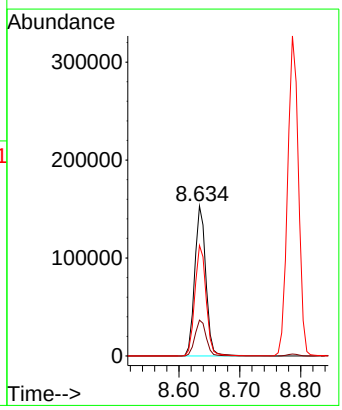


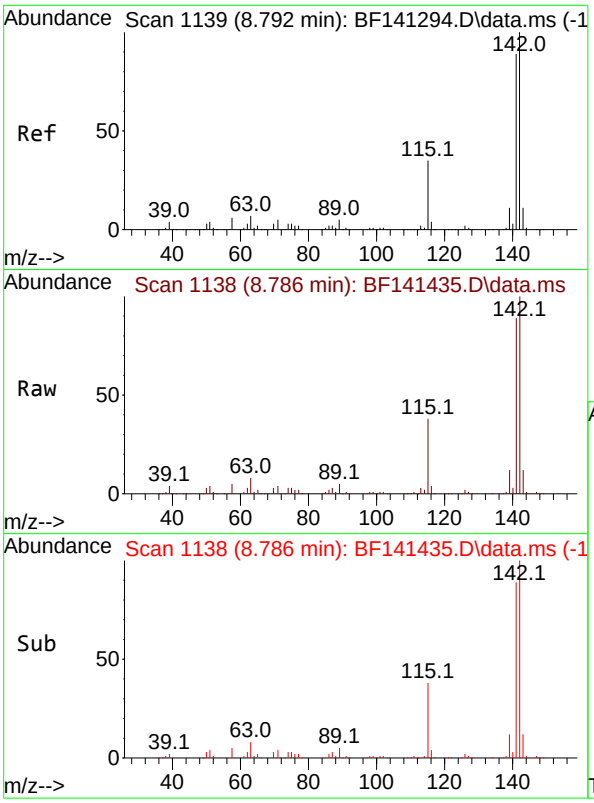


#36
4-Chloro-3-methylphenol
Concen: 41.751 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 195300

Ion	Ratio	Lower	Upper
107	100		
144	23.9	20.7	31.1
142	73.7	63.8	95.8

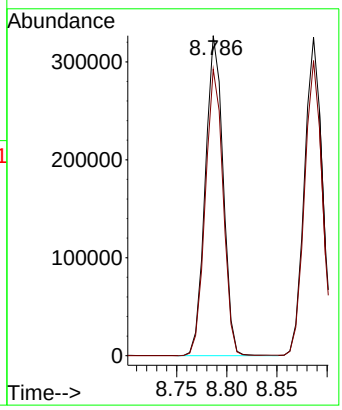




#37
2-Methylnaphthalene
Concen: 39.913 ng
RT: 8.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:142 Resp: 40454

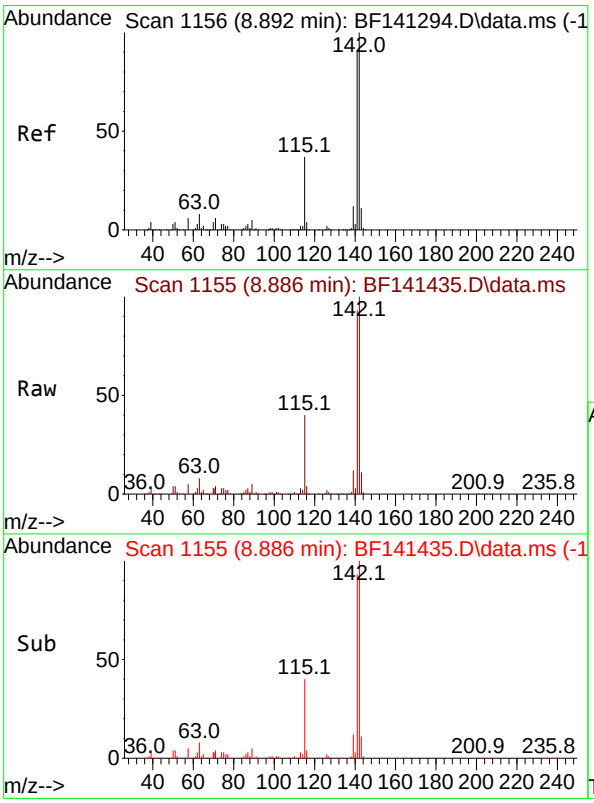
Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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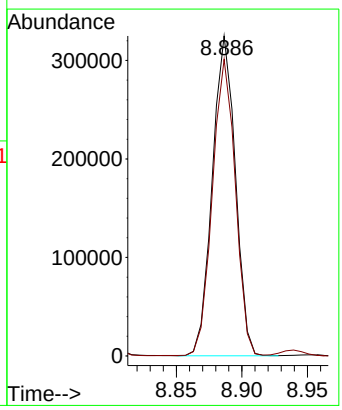
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

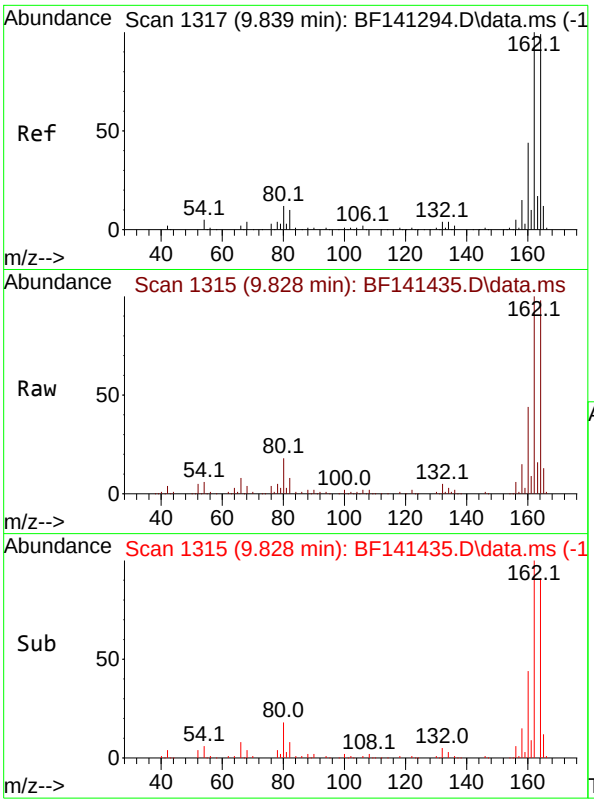


#38
1-Methylnaphthalene
Concen: 39.835 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:142 Resp: 396613

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.2	109.8

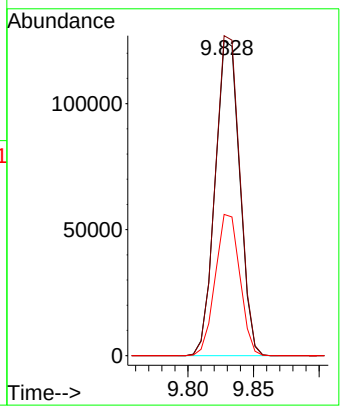




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:164 Resp: 16275

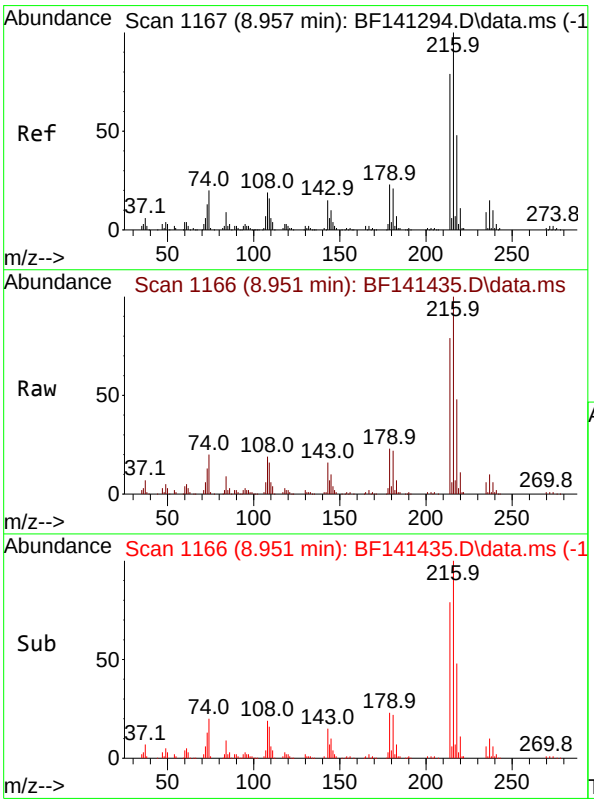
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	44.9	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

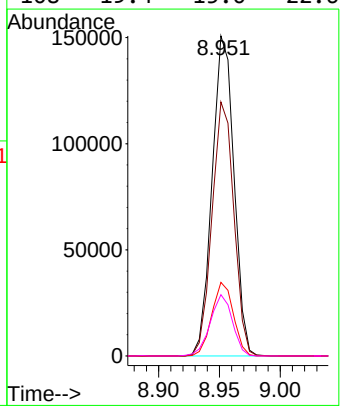
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

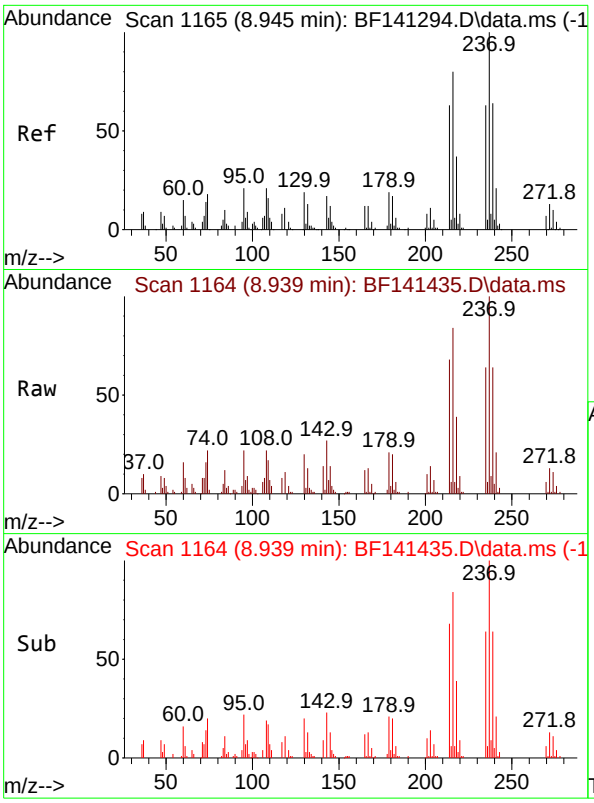


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.737 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:216 Resp: 188623

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.8	17.8	26.8
108	19.4	15.0	22.6

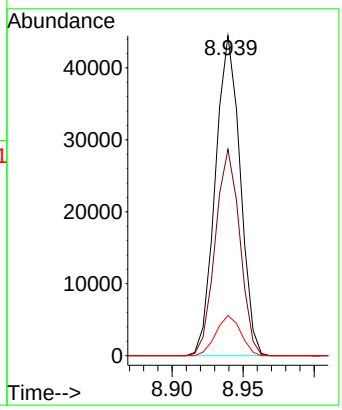




#41
Hexachlorocyclopentadiene
Concen: 39.437 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:237 Resp: 5392

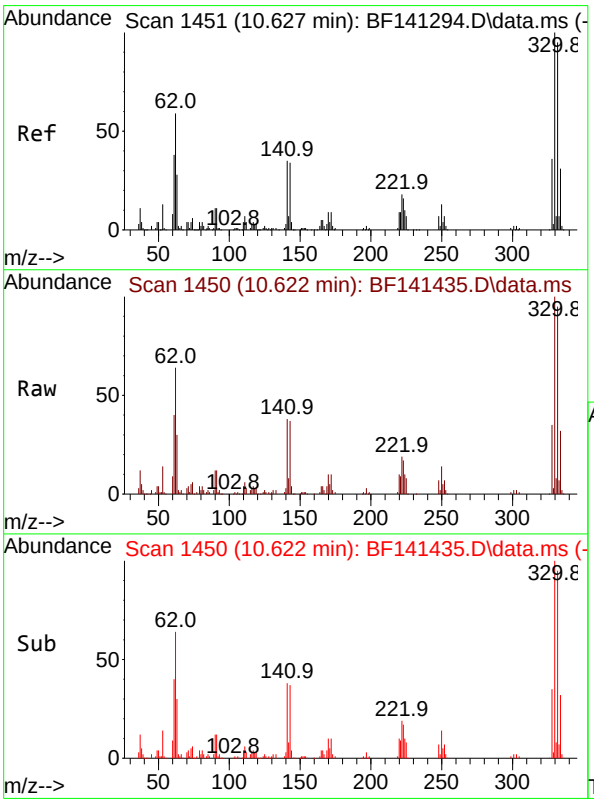
Ion	Ratio	Lower	Upper
237	100		
235	64.5	42.9	82.9
272	12.5	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

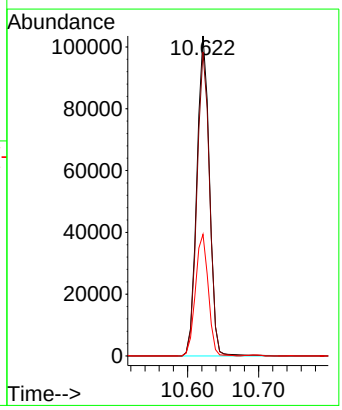
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

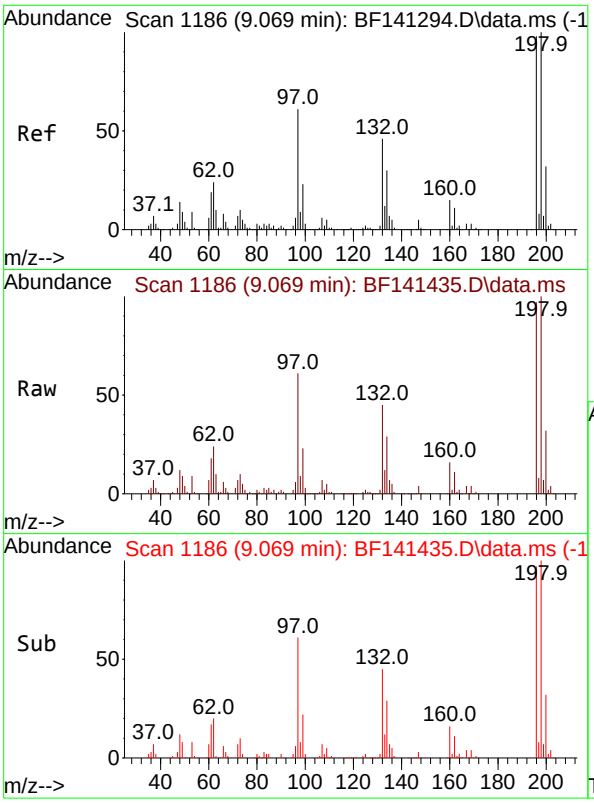


#42
2,4,6-Tribromophenol
Concen: 85.780 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:330 Resp: 127994

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.1	114.1
141	38.5	28.8	43.2

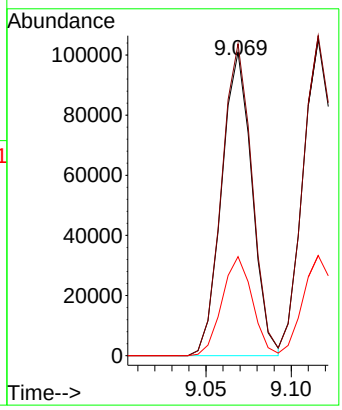




#43
2,4,6-Trichlorophenol
Concen: 41.315 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:196 Resp: 12521

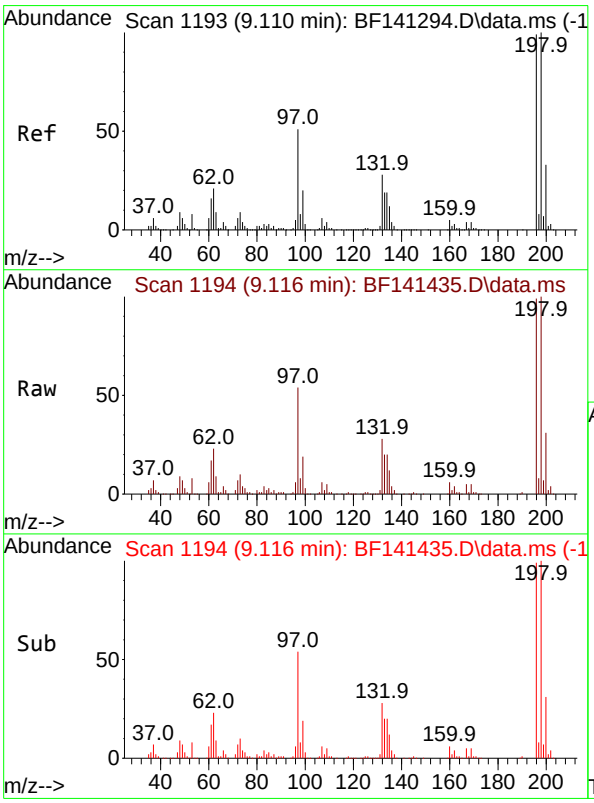
Ion	Ratio	Lower	Upper
196	100		
198	102.7	81.8	122.6
200	32.6	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

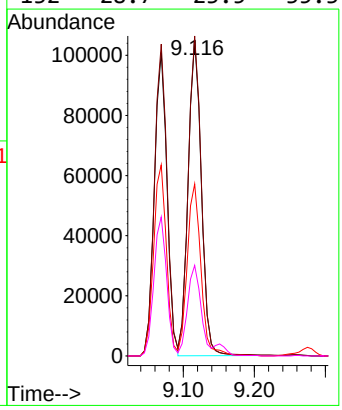
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

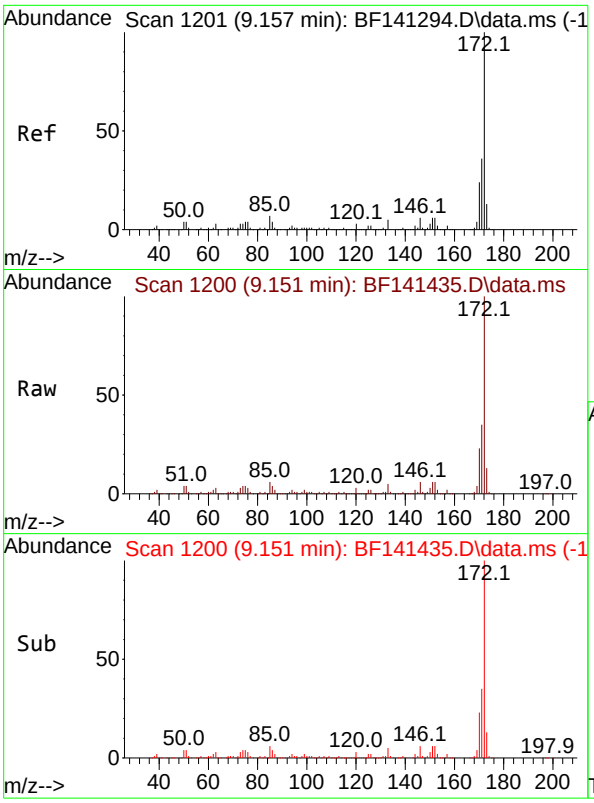


#44
2,4,5-Trichlorophenol
Concen: 41.284 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:196 Resp: 136179

Ion	Ratio	Lower	Upper
196	100		
198	101.2	80.5	120.7
97	54.4	42.8	64.2
132	28.7	23.5	35.3

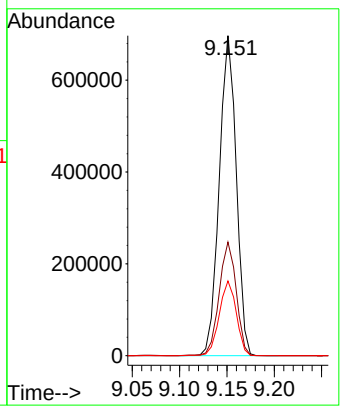




#45
2-Fluorobiphenyl
Concen: 82.364 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:172 Resp: 87093

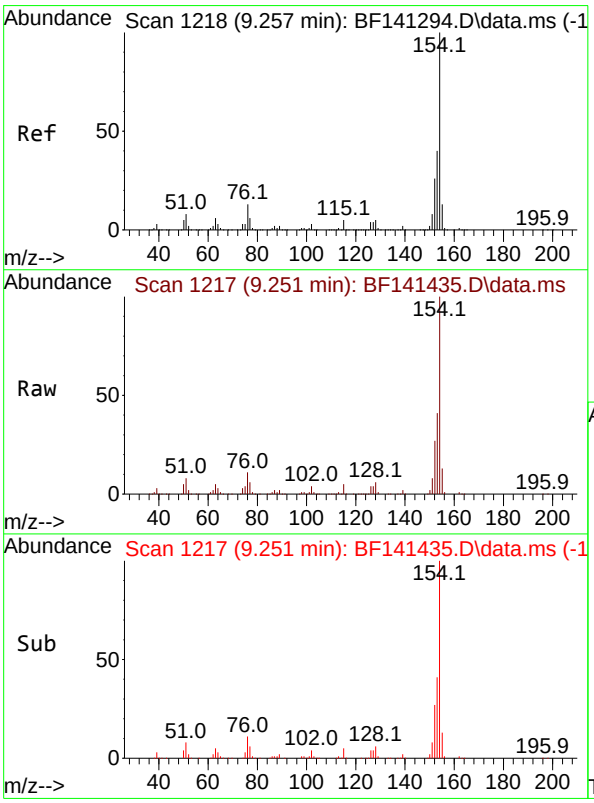
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

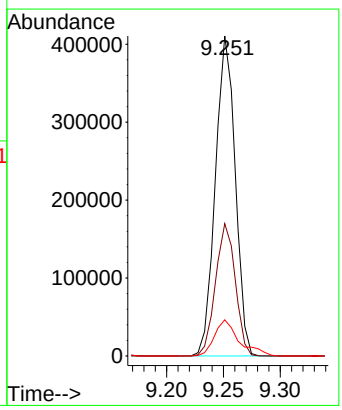
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

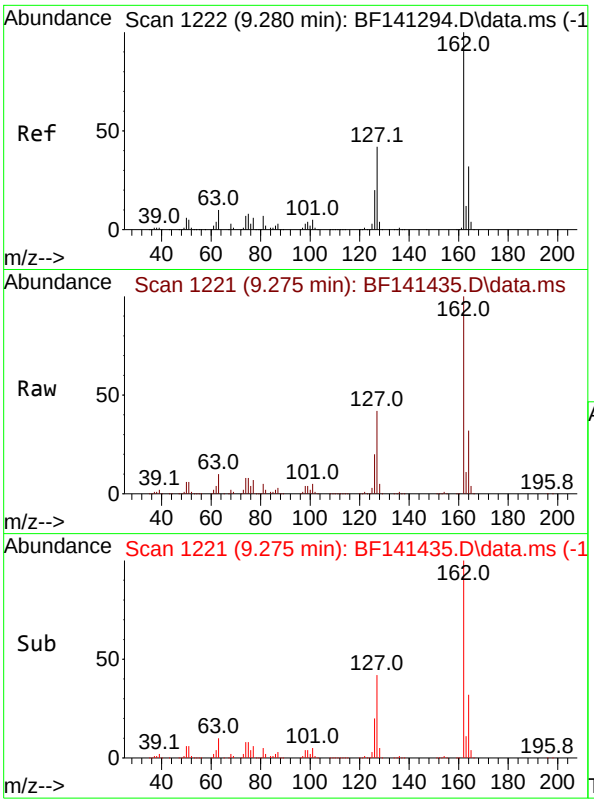


#46
1,1'-Biphenyl
Concen: 39.392 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:154 Resp: 500011

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.0	60.0
76	11.3	0.0	32.8

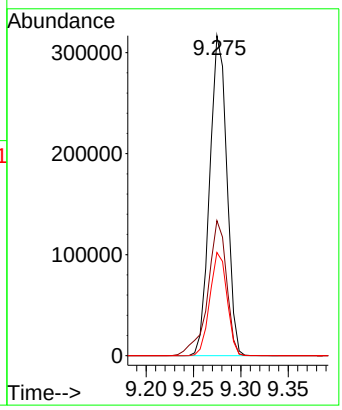




#47
2-Chloronaphthalene
Concen: 40.191 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:162 Resp: 39763

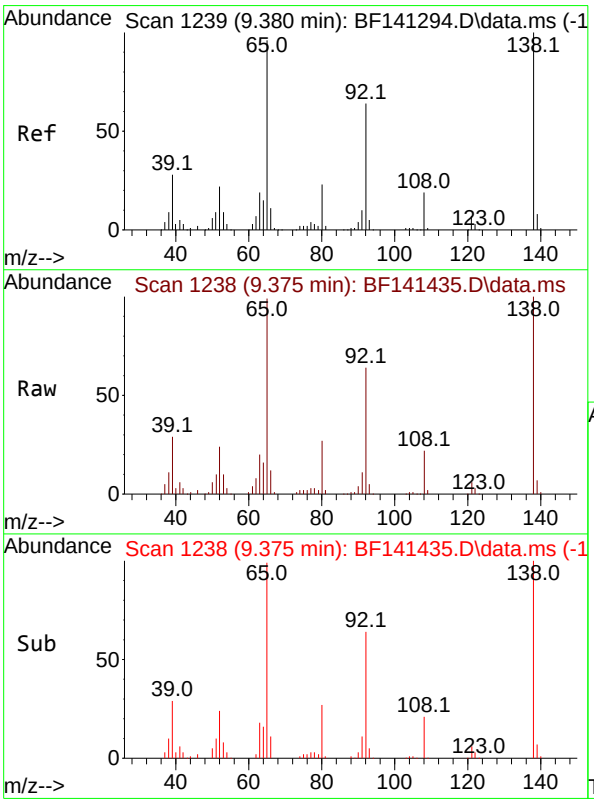
Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.7	50.5
164	32.3	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

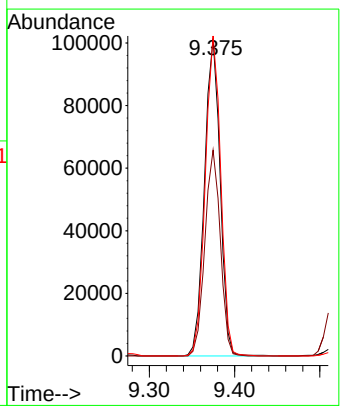
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

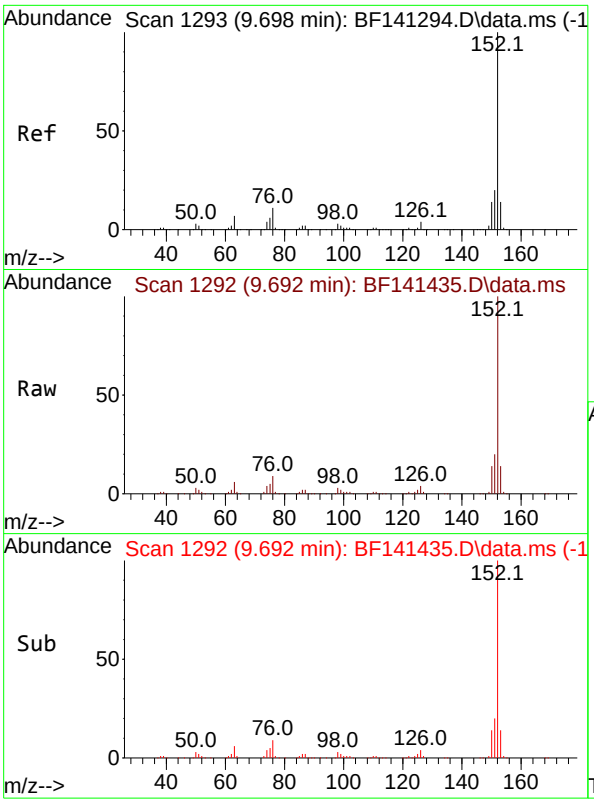


#48
2-Nitroaniline
Concen: 41.385 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 65 Resp: 128787

Ion	Ratio	Lower	Upper
65	100		
92	64.8	53.3	79.9
138	100.8	83.6	125.4

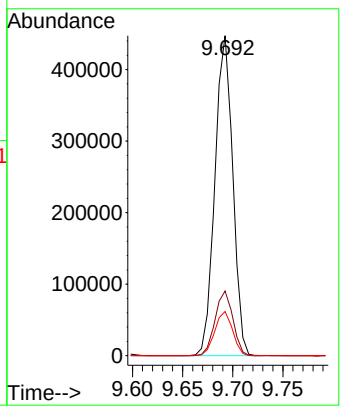




#49
Acenaphthylene
Concen: 39.872 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:152 Resp: 55220

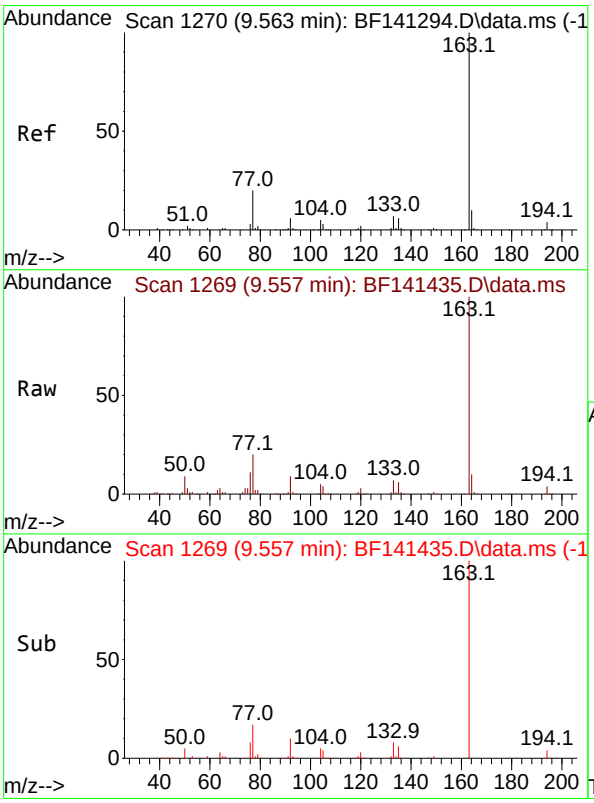
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.8	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

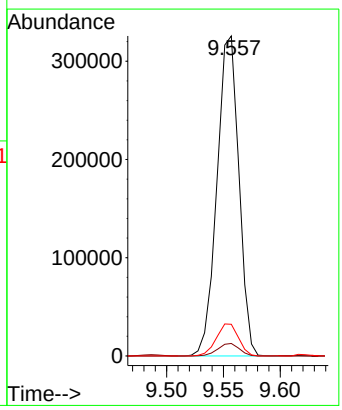
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

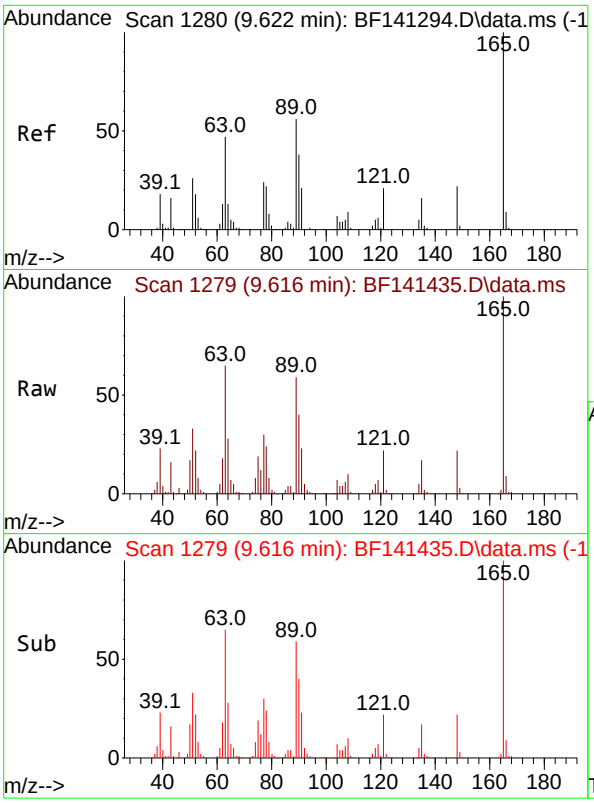


#50
Dimethylphthalate
Concen: 39.828 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:163 Resp: 437816

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.0	12.0

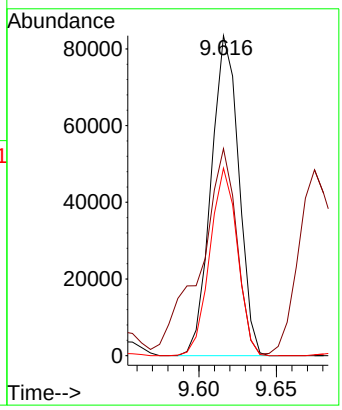




#51
2,6-Dinitrotoluene
Concen: 40.695 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:165 Resp: 10386

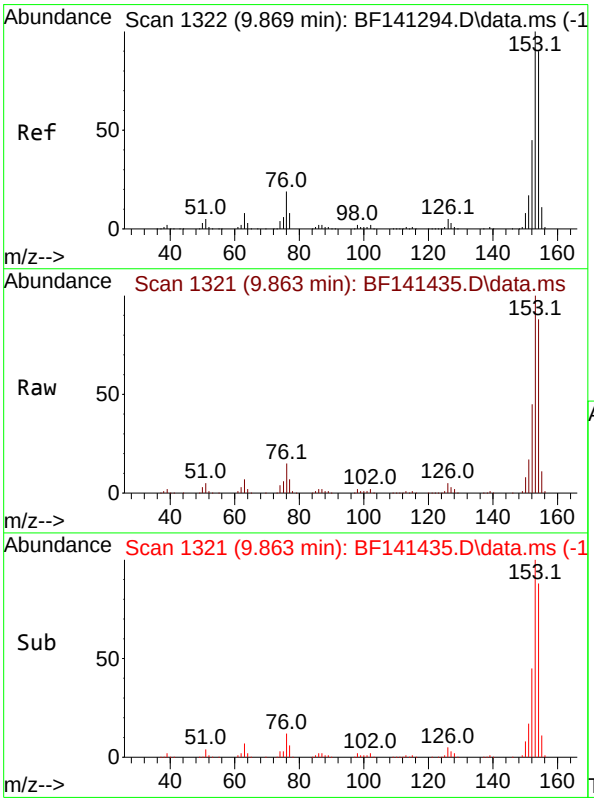
Ion	Ratio	Lower	Upper
165	100		
63	64.7	48.1	72.1
89	58.6	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

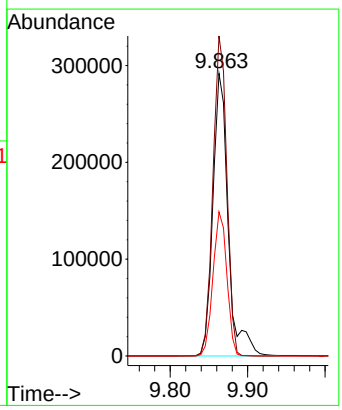
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

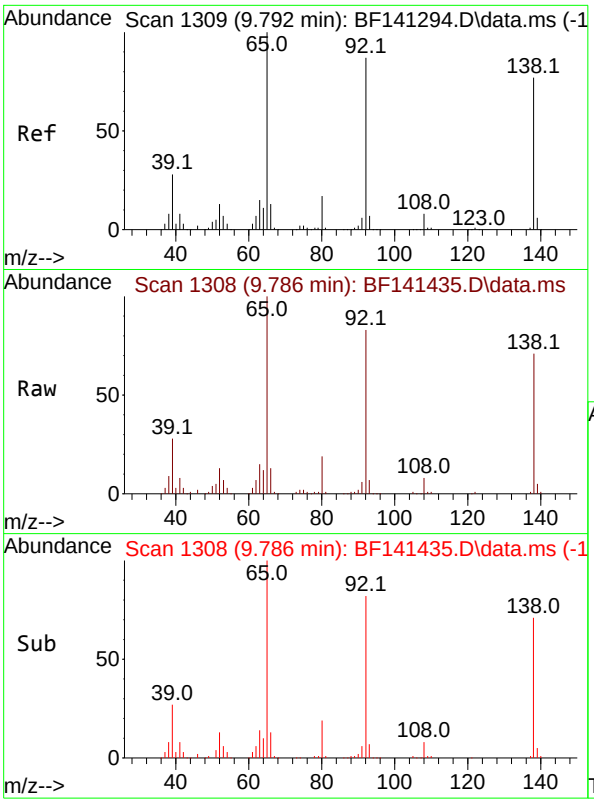


#52
Acenaphthene
Concen: 40.520 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:154 Resp: 400902

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.0	133.4
152	51.0	40.2	60.4





#53
3-Nitroaniline
Concen: 40.165 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

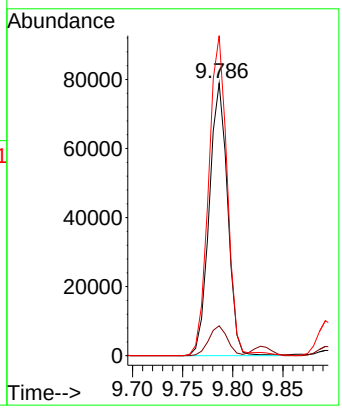
Tgt Ion:138 Resp: 10047

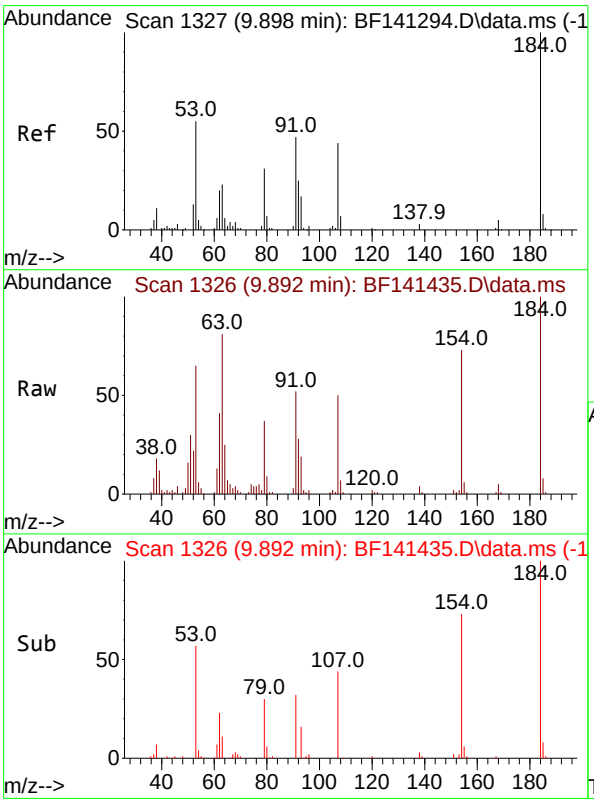
Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.6	12.8
92	117.4	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

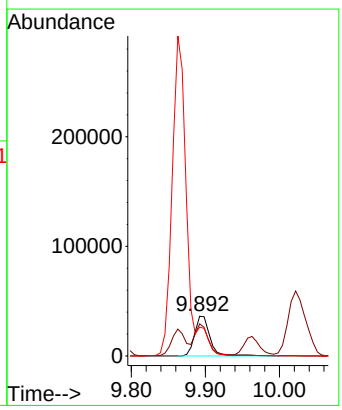


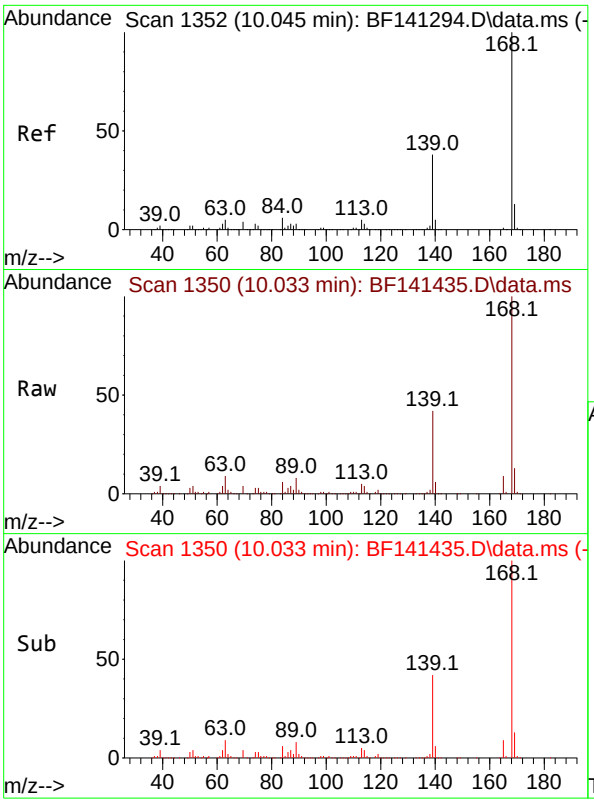


#54
2,4-Dinitrophenol
Concen: 43.990 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:184 Resp: 52193

Ion	Ratio	Lower	Upper
184	100		
63	81.2	54.1	81.1#
154	73.0	50.7	76.1

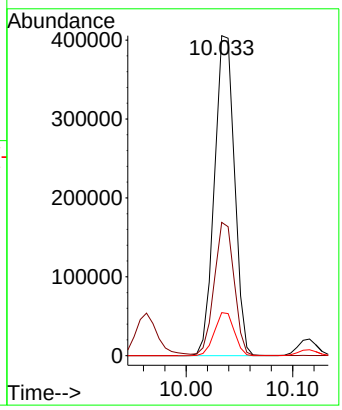




#55
Dibenzofuran
Concen: 39.973 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:168 Resp: 52938

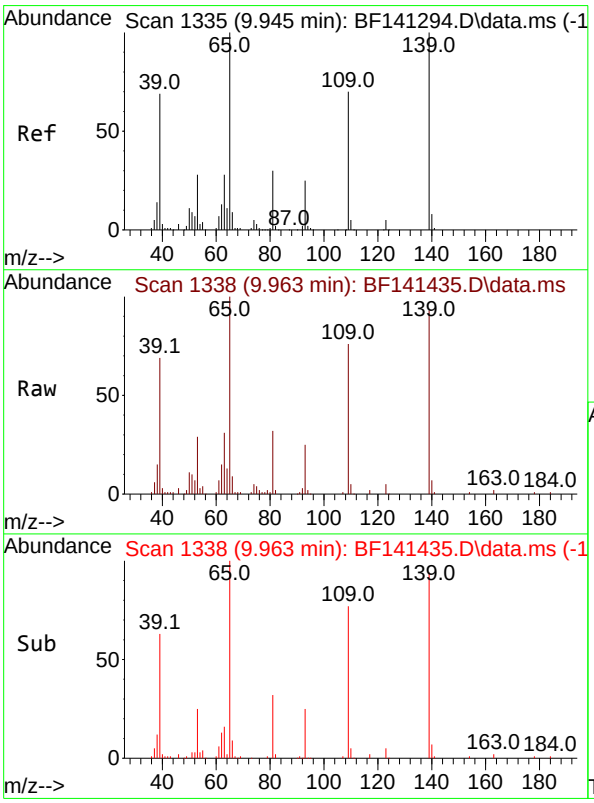
Ion	Ratio	Lower	Upper
168	100		
139	41.6	30.6	46.0
169	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

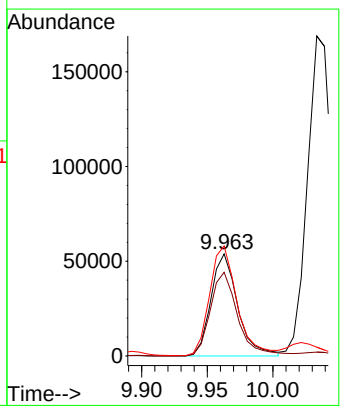
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

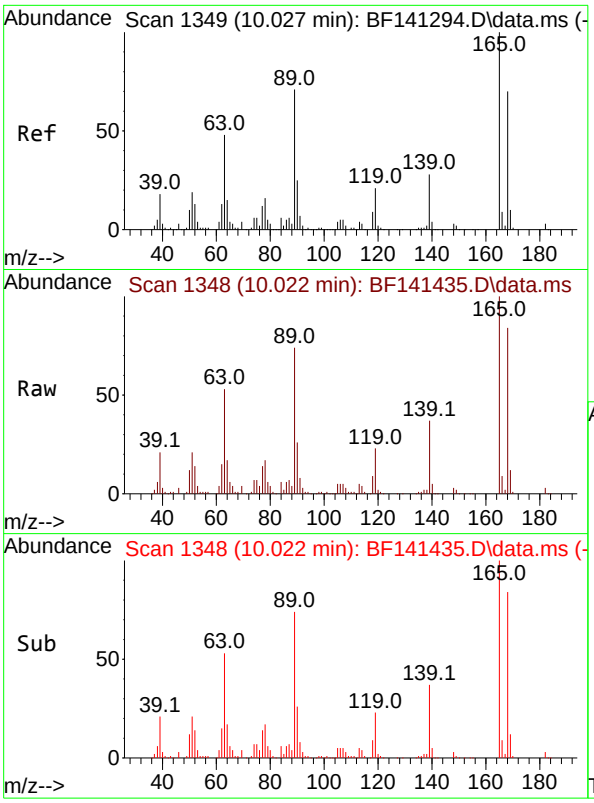


#56
4-Nitrophenol
Concen: 41.844 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 76553

Ion	Ratio	Lower	Upper
139	100		
109	82.0	50.2	90.2
65	107.8	80.6	120.6

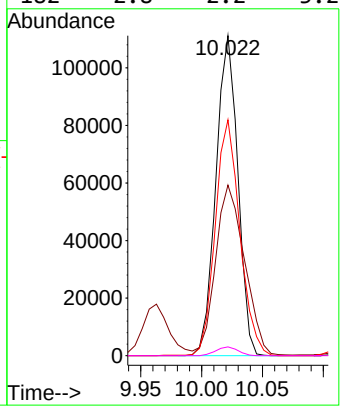




#57
2,4-Dinitrotoluene
Concen: 42.144 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:165 Resp: 13926

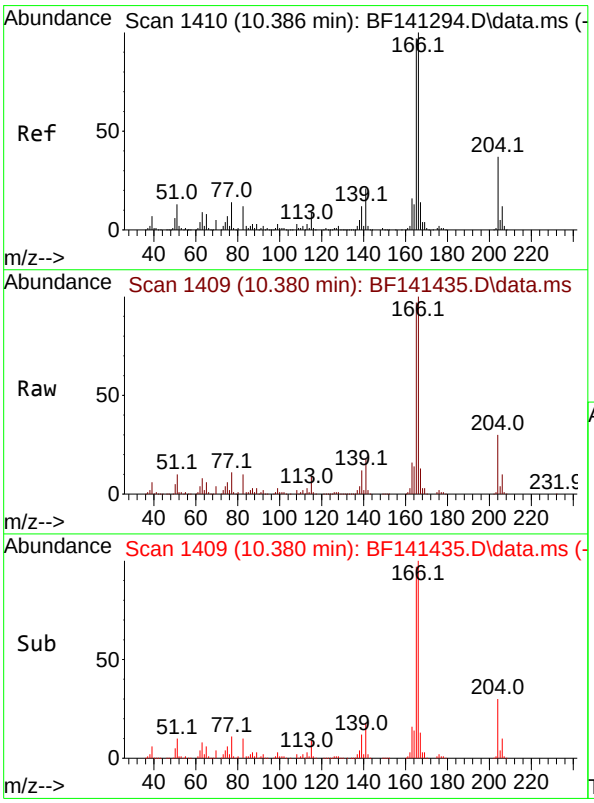
Ion	Ratio	Lower	Upper
165	100		
63	53.3	39.2	58.8
89	73.7	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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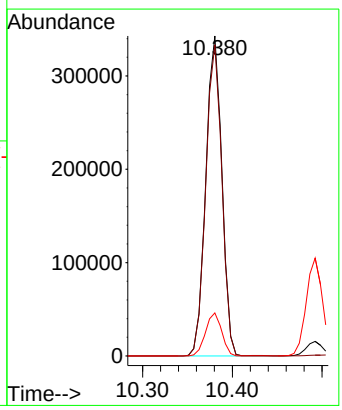
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

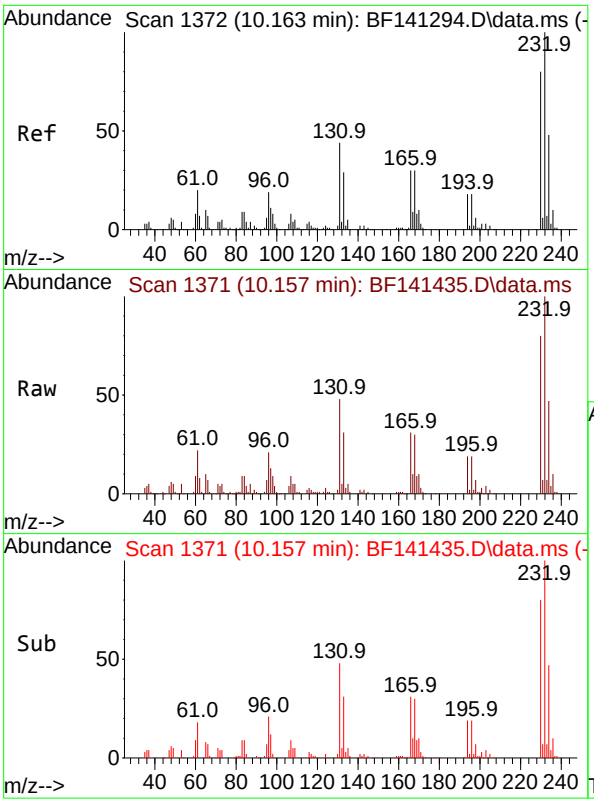


#58
Fluorene
Concen: 41.573 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:166 Resp: 427075

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.5	10.9	16.3

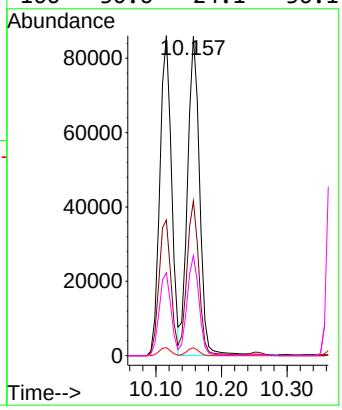




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.052 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:232 Resp: 10912

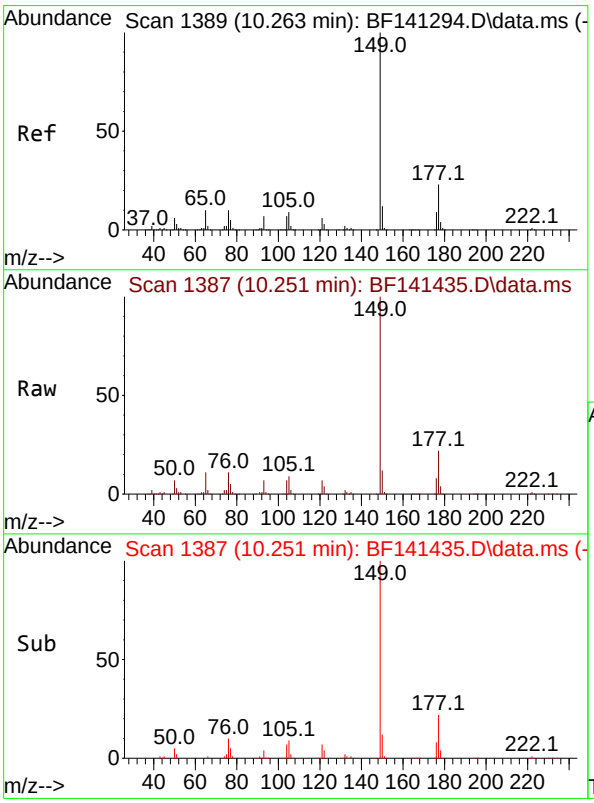
Ion	Ratio	Lower	Upper
232	100		
131	48.6	36.4	54.6
130	2.4	1.9	2.9
166	30.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

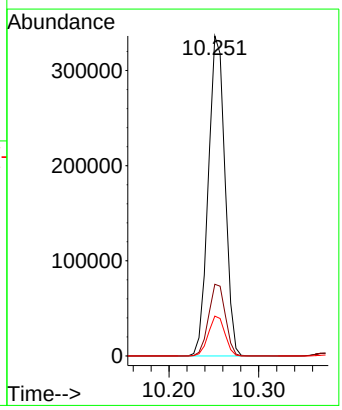
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

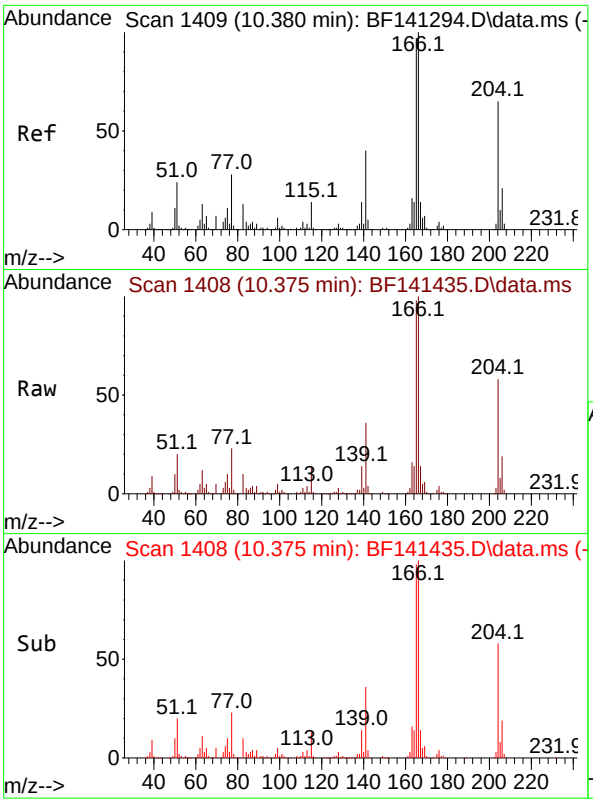


#60
Diethylphthalate
Concen: 40.510 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 431776

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.5	27.7
150	12.5	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.761 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

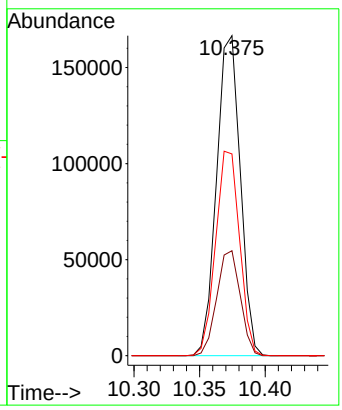
Tgt Ion:204 Resp: 20955

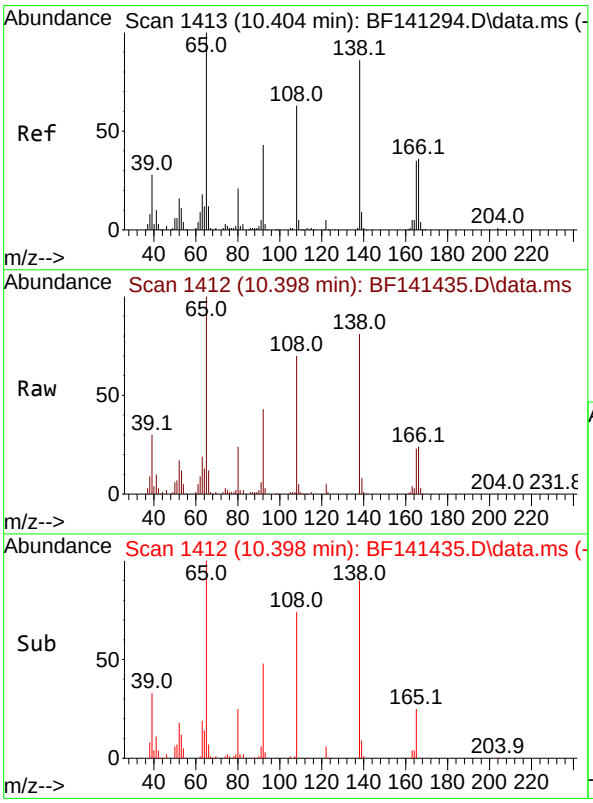
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	63.0	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

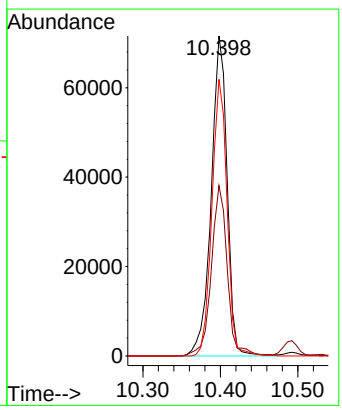


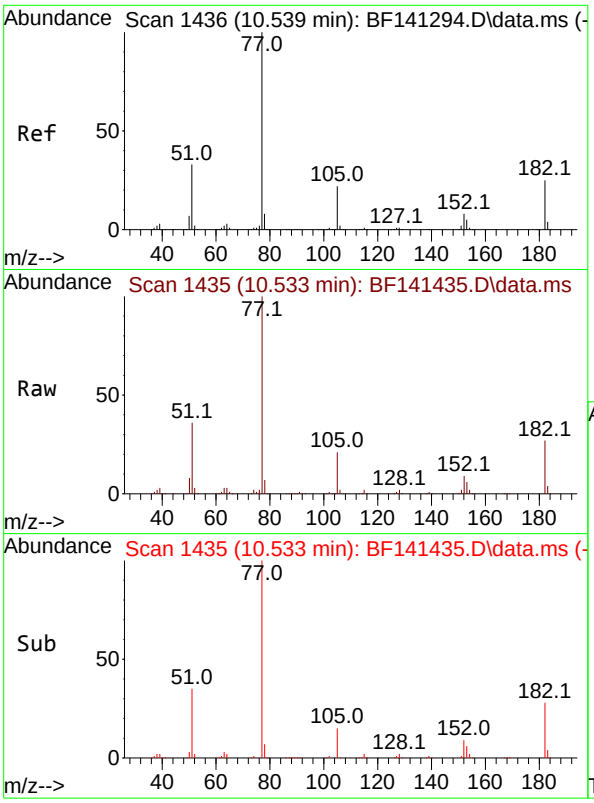


#62
4-Nitroaniline
Concen: 41.554 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:138 Resp: 102198

Ion	Ratio	Lower	Upper
138	100		
92	53.3	30.1	70.1
108	86.4	53.1	93.1

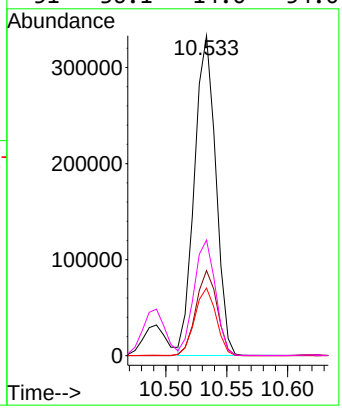




#63
Azobenzene
Concen: 38.055 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 77 Resp: 406009

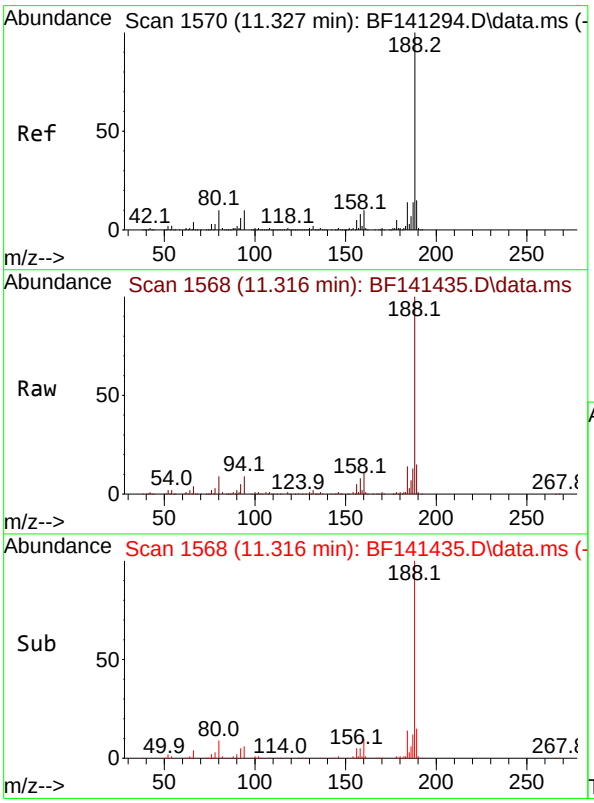
Ion	Ratio	Lower	Upper
77	100		
182	26.6	5.1	45.1
105	21.2	1.8	41.8
51	36.1	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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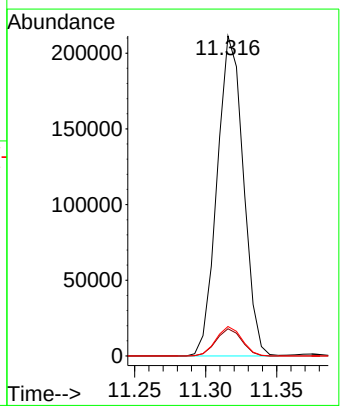
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

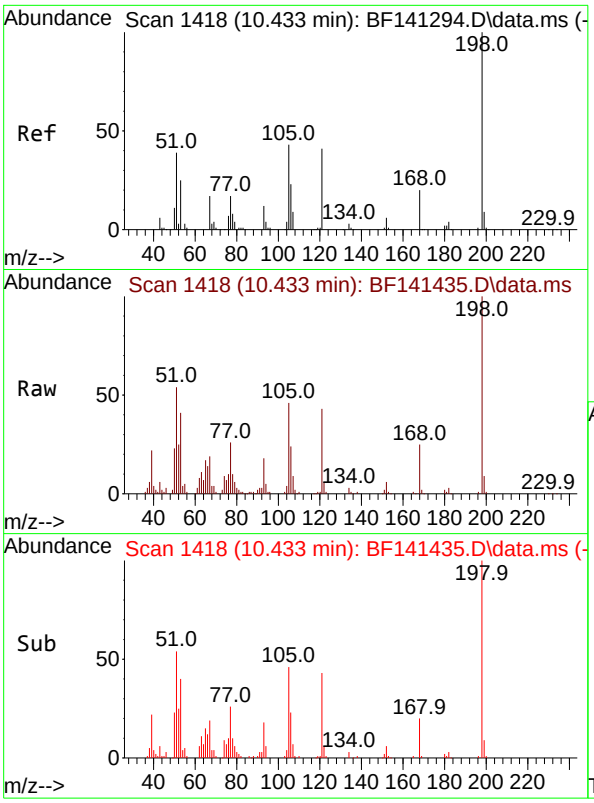


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:188 Resp: 271503

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.8	11.6
80	9.2	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 45.776 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

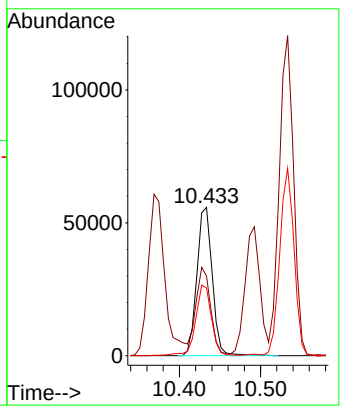
Tgt Ion:198 Resp: 7351

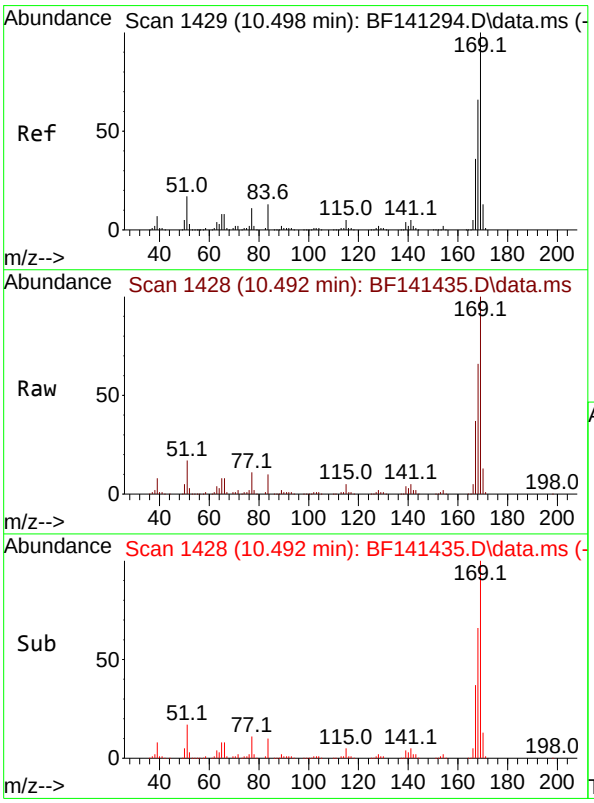
Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.4	73.4
105	45.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

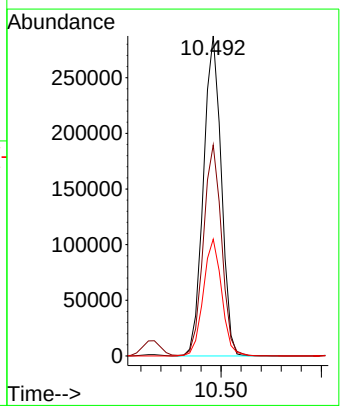


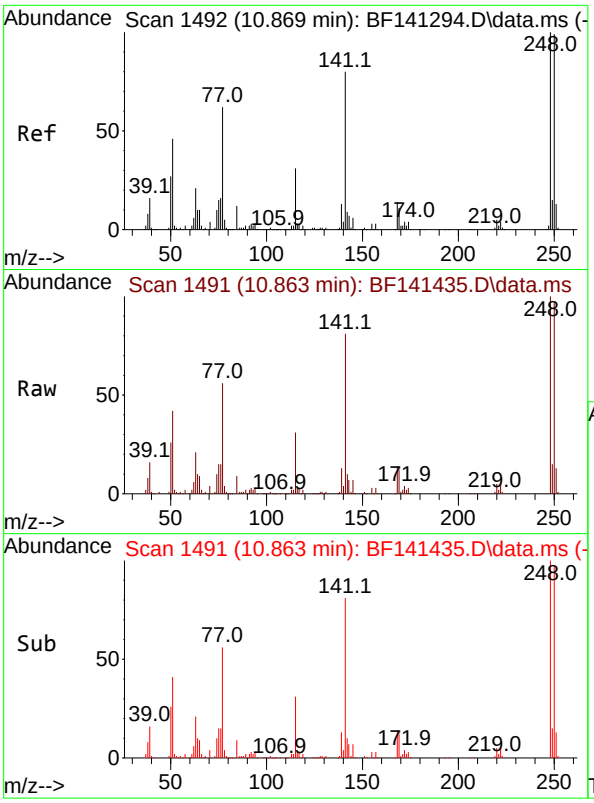


#66
n-Nitrosodiphenylamine
Concen: 40.601 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:169 Resp: 356533

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.4
167	36.5	28.8	43.2

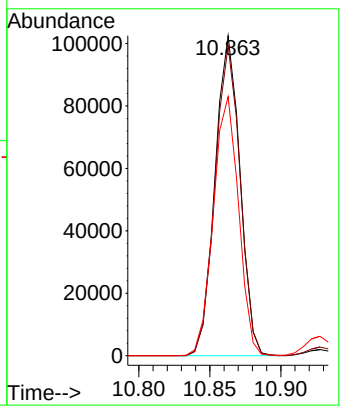




#67
4-Bromophenyl-phenylether
Concen: 41.249 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:248 Resp: 12537

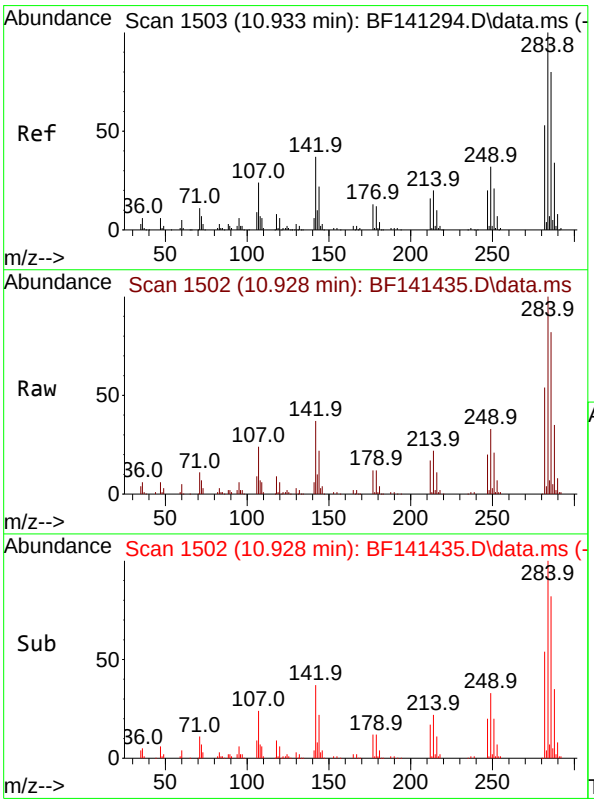
Ion	Ratio	Lower	Upper
248	100		
250	96.9	79.0	118.4
141	81.0	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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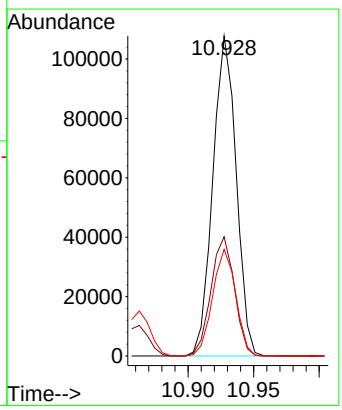
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

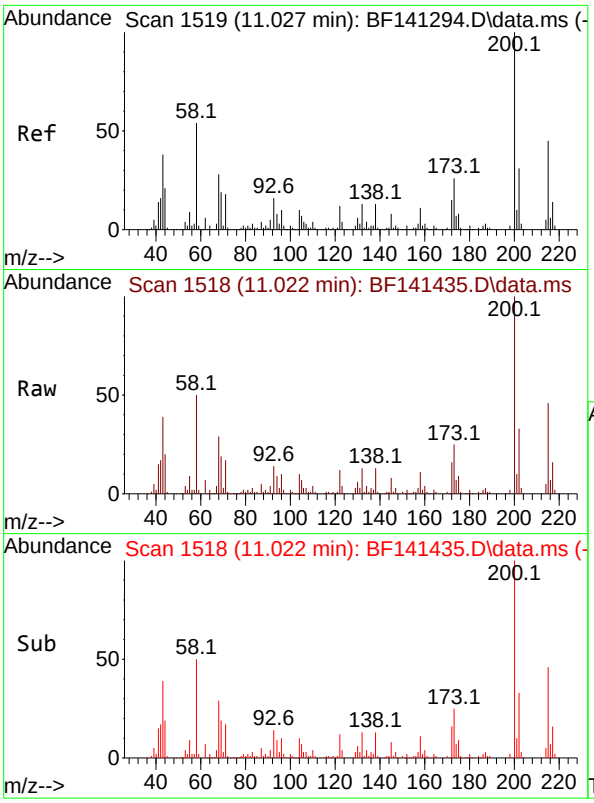


#68
Hexachlorobenzene
Concen: 41.354 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:284 Resp: 133335

Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.5	44.3
249	33.3	25.4	38.2





#69
Atrazine
Concen: 37.040 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

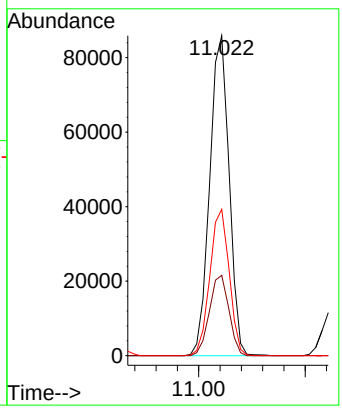
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

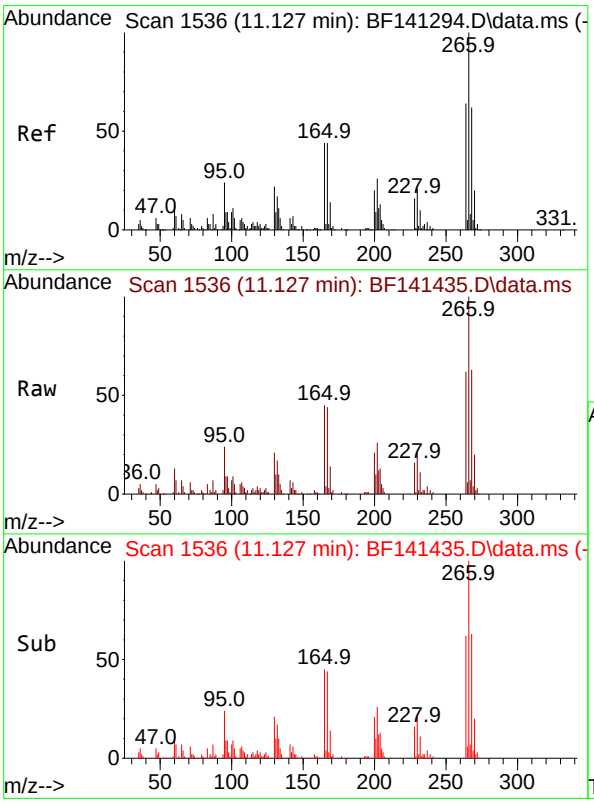
Tgt Ion:200 Resp: 10875

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.9	45.9
215	45.7	25.2	65.2

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

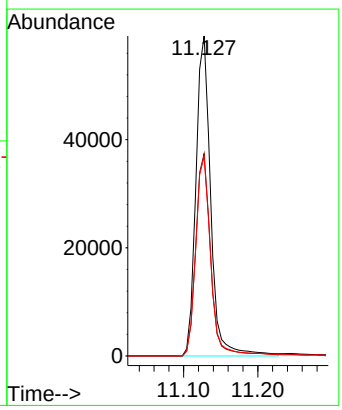


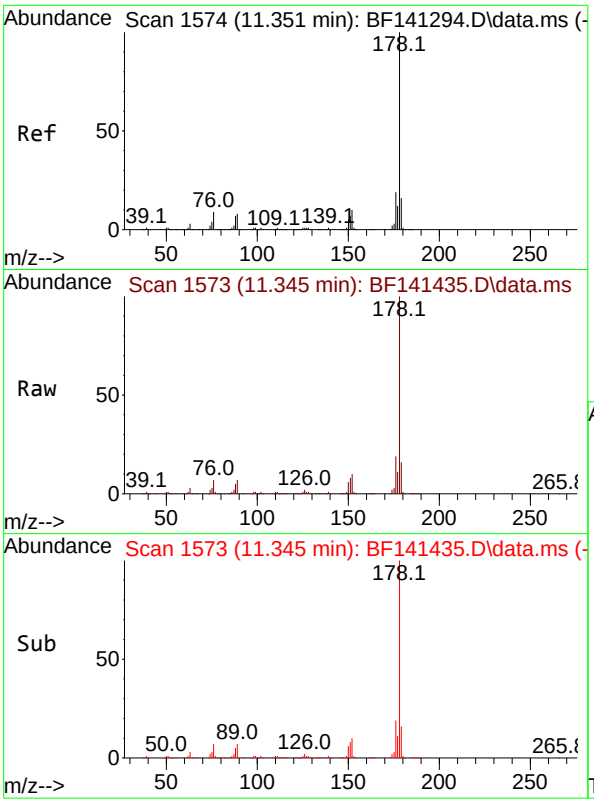


#70
Pentachlorophenol
Concen: 43.436 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:266 Resp: 82010

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.9	74.9
264	62.3	51.0	76.4

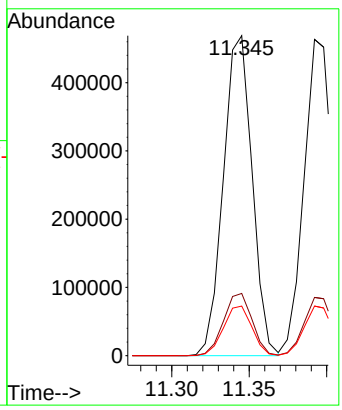




#71
Phenanthrene
Concen: 41.476 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:178 Resp: 60531

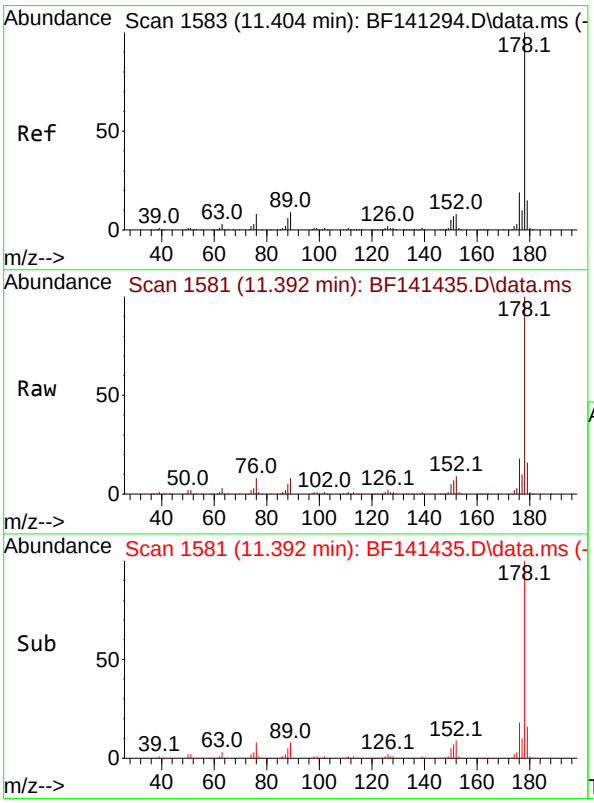
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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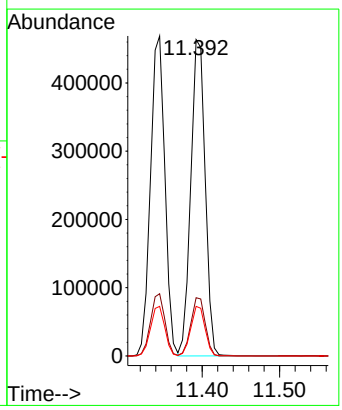
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

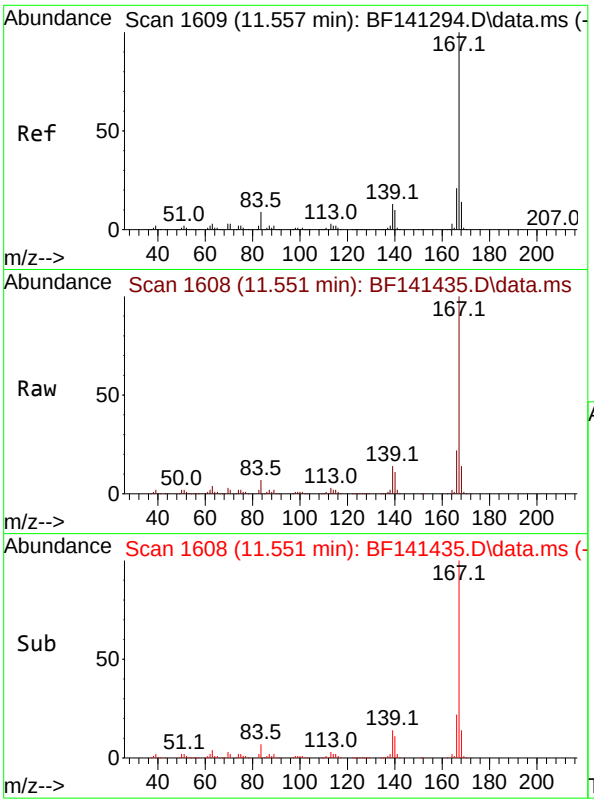


#72
Anthracene
Concen: 41.812 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:178 Resp: 597915

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.7	12.3	18.5

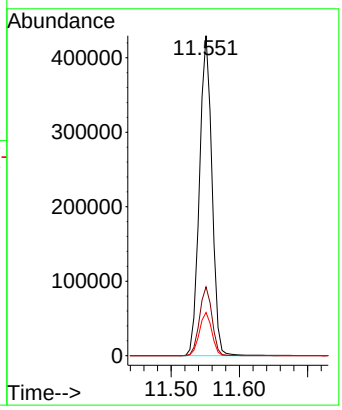




#73
Carbazole
Concen: 43.048 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:167 Resp: 54585

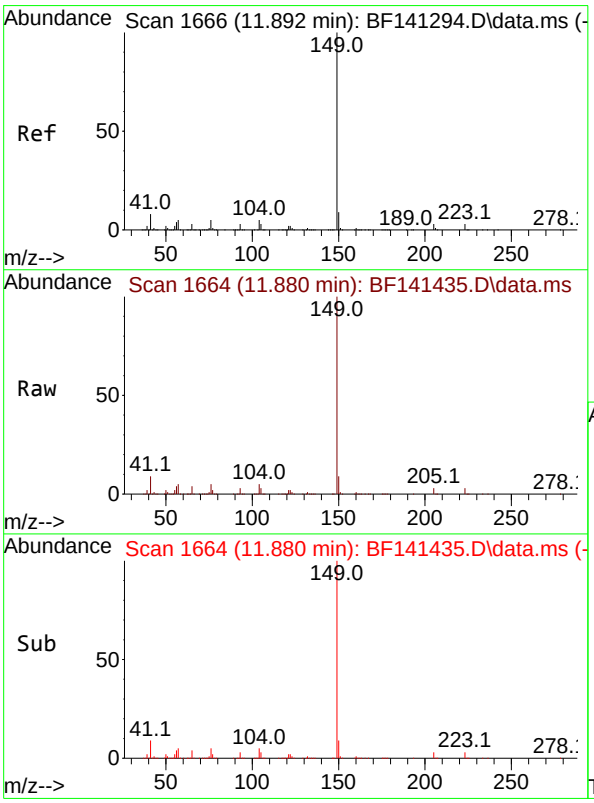
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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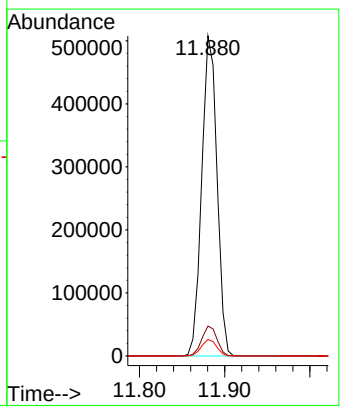
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

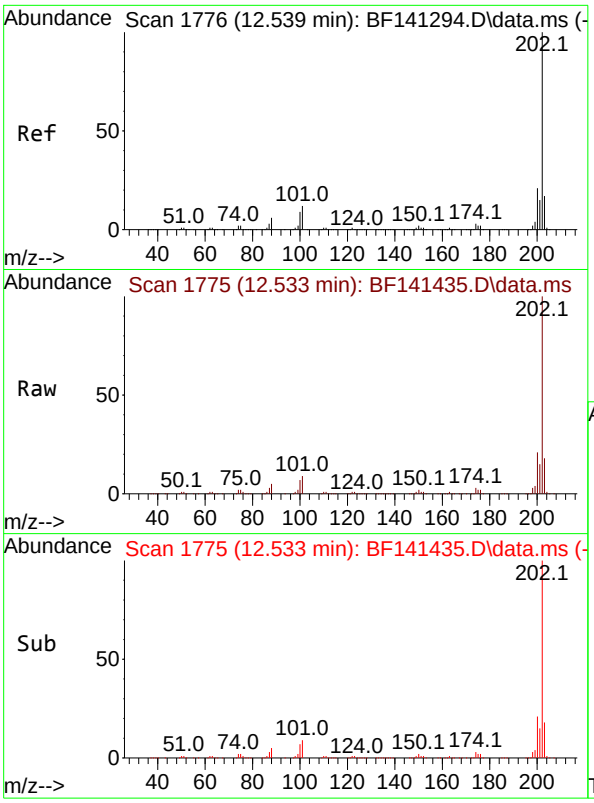


#74
Di-n-butylphthalate
Concen: 41.155 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 632426

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	3.9	5.9





#75
Fluoranthene
Concen: 43.486 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

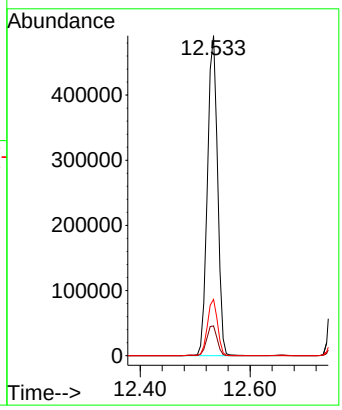
Tgt Ion:202 Resp: 62664

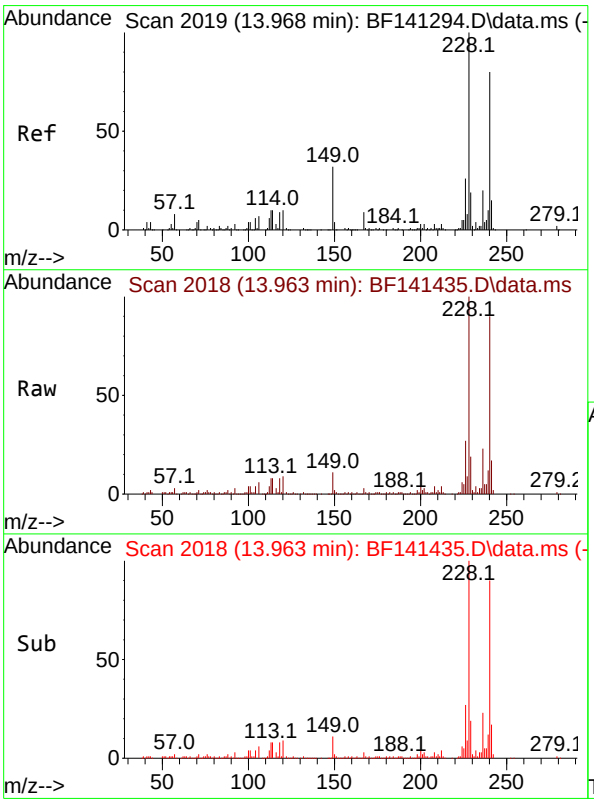
Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.7
203	17.6	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

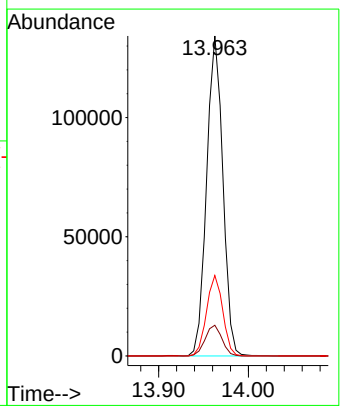


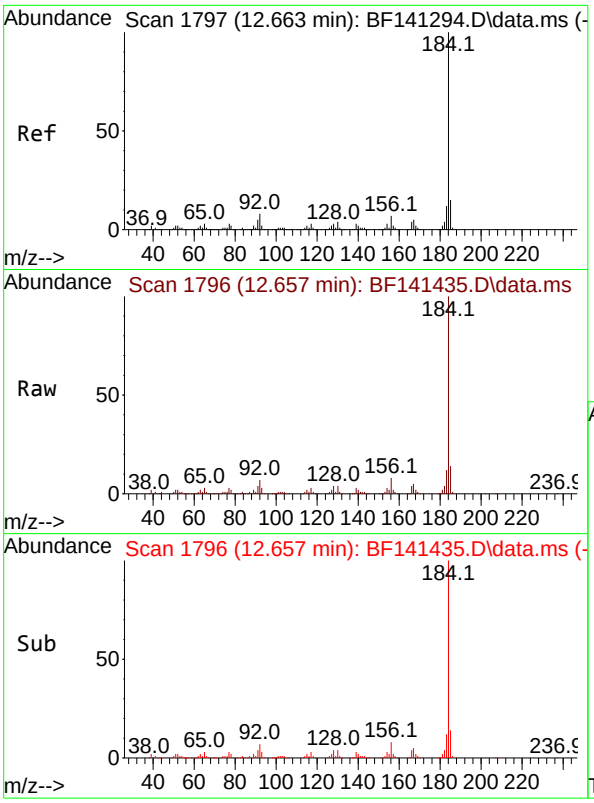


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:240 Resp: 168458

Ion	Ratio	Lower	Upper
240	100		
120	9.6	10.0	15.0#
236	25.2	19.7	29.5





#77
Benzidine
Concen: 38.432 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

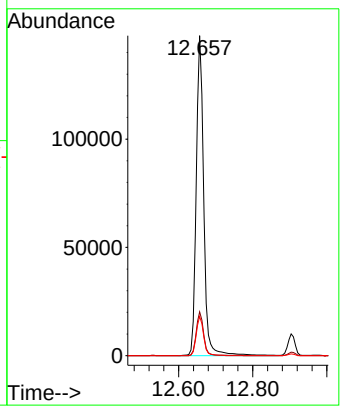
Tgt Ion:184 Resp: 20755

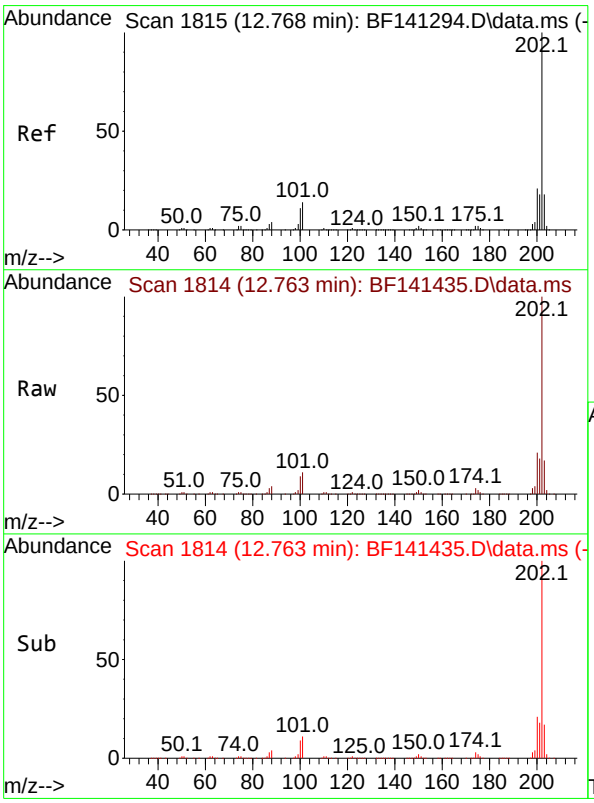
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.9	17.9
183	12.3	9.5	14.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

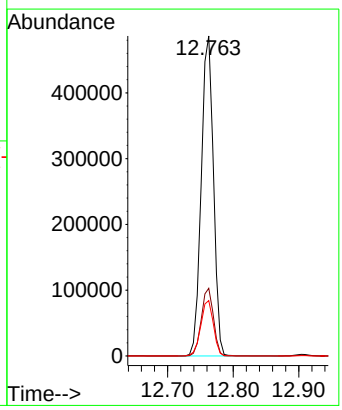


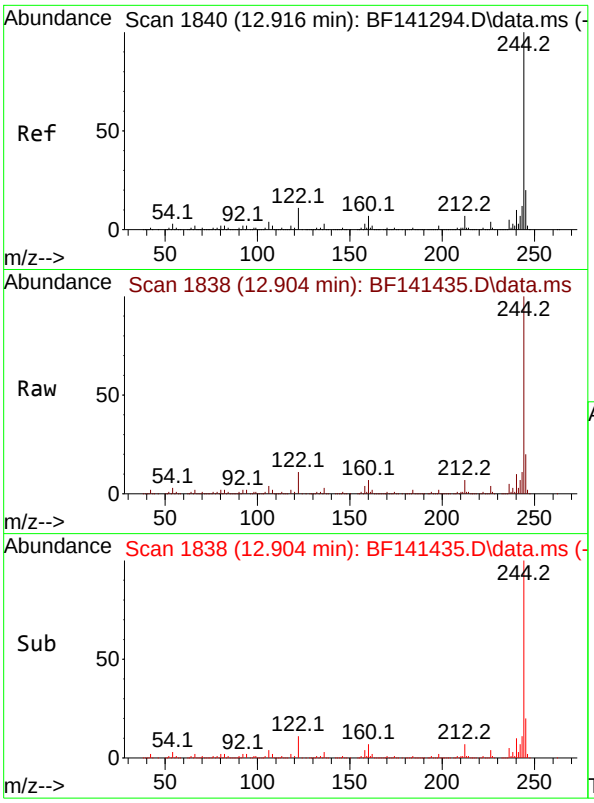


#78
Pyrene
Concen: 39.047 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:202 Resp: 631407

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.3	14.3	21.5

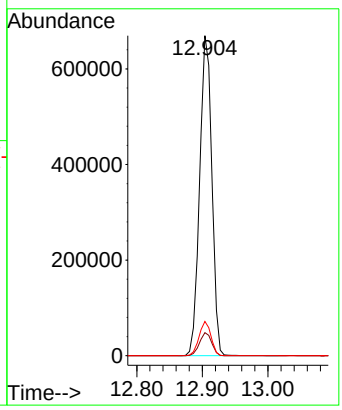




#79
Terphenyl-d14
Concen: 79.581 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:244 Resp: 86928

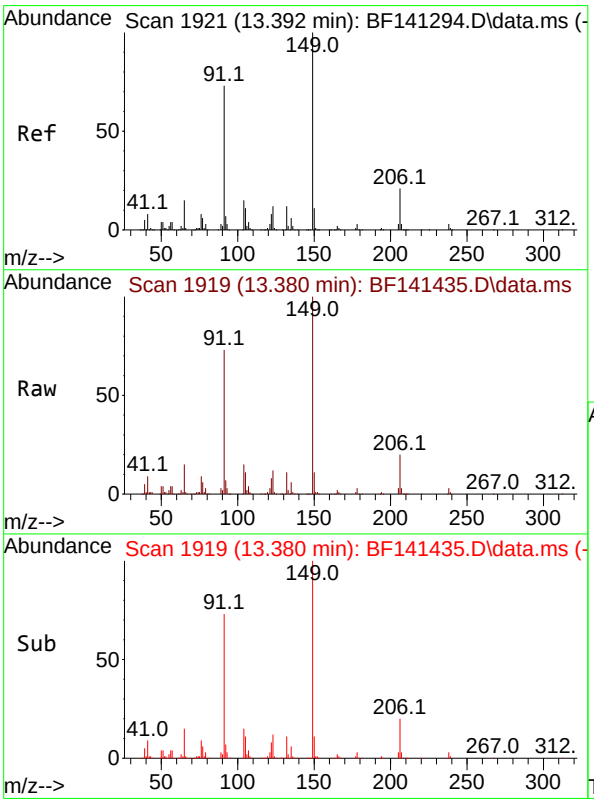
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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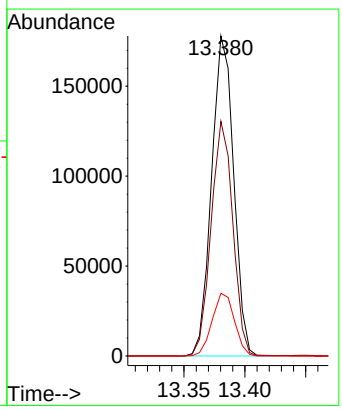
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

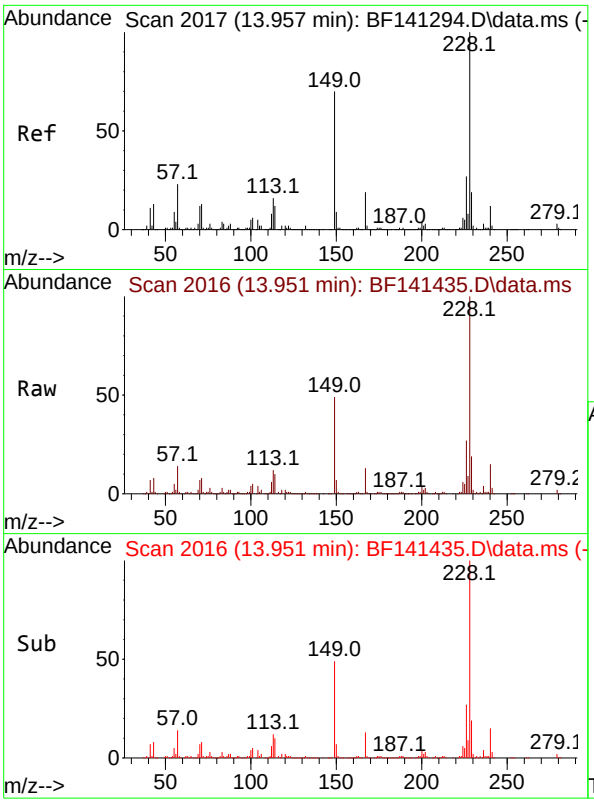


#80
Butylbenzylphthalate
Concen: 39.778 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 224717

Ion	Ratio	Lower	Upper
149	100		
91	73.3	58.6	87.8
206	19.6	16.7	25.1

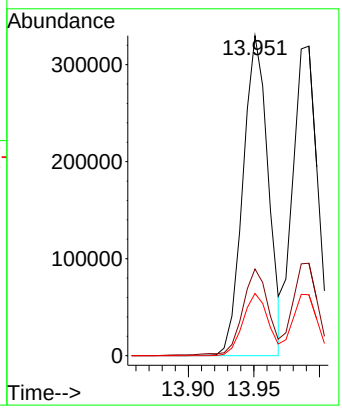




#81
Benzo(a)anthracene
Concen: 37.964 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:228 Resp: 44132

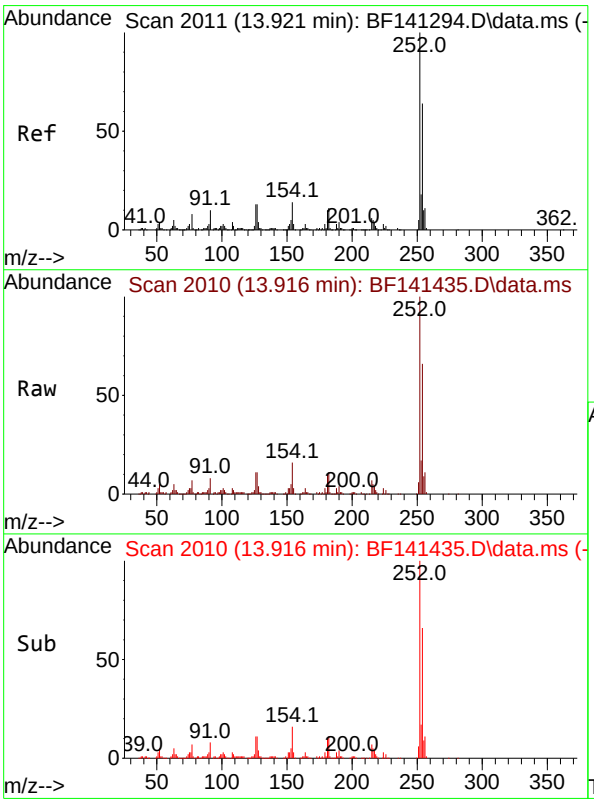
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

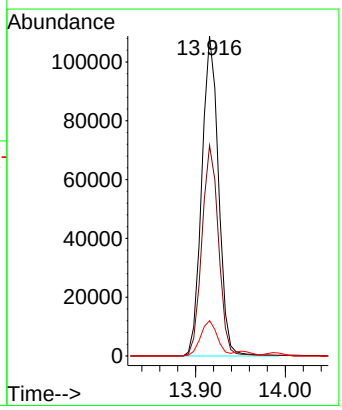
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

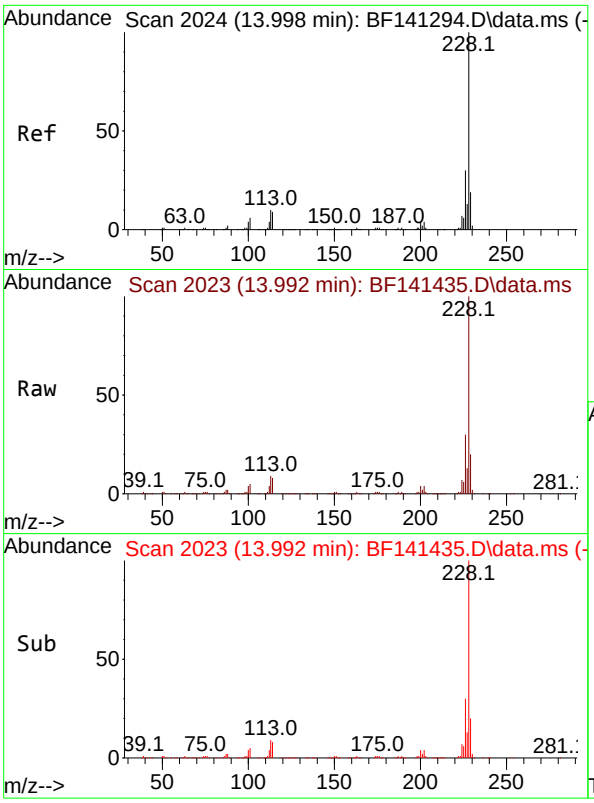


#82
3,3'-Dichlorobenzidine
Concen: 38.153 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 141060

Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.3	76.9
126	11.0	10.0	15.0





#83
Chrysene
Concen: 39.290 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

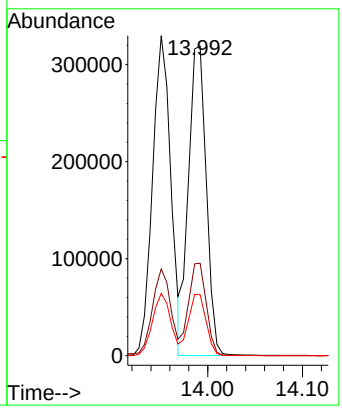
Tgt Ion:228 Resp: 41857

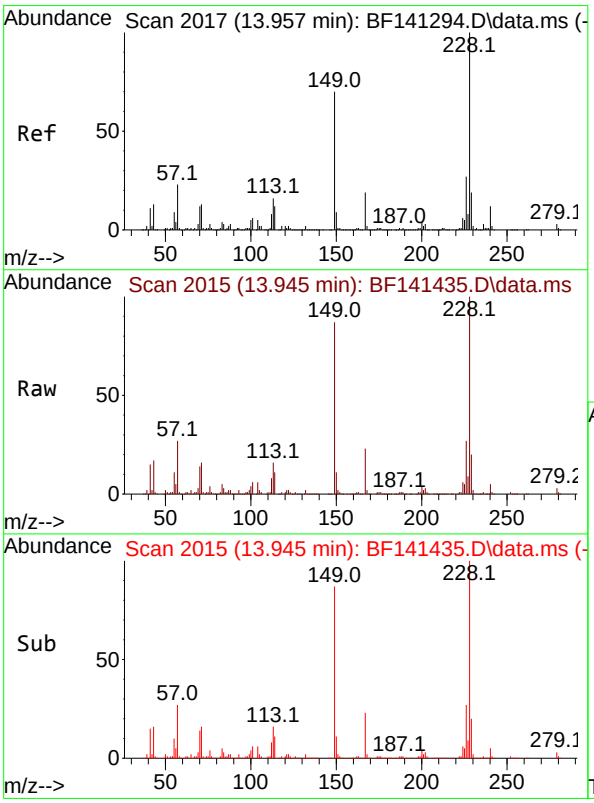
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.7	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

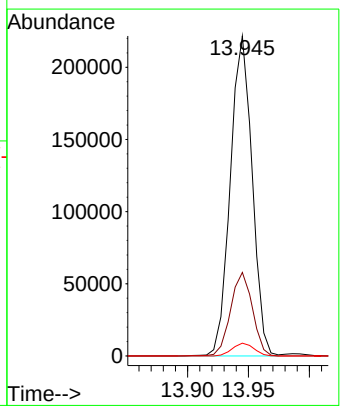


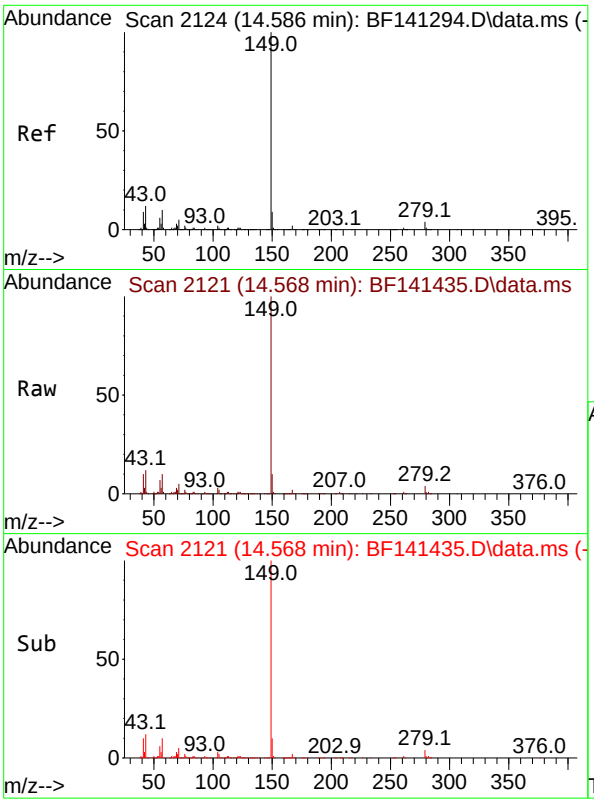


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.586 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 276519

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 37.624 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

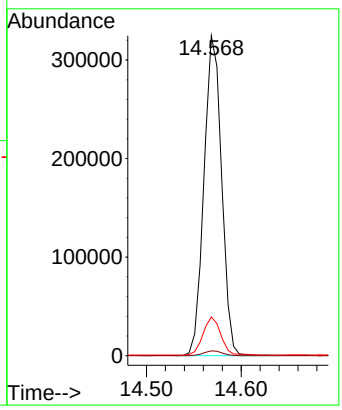
Tgt Ion:149 Resp: 41877

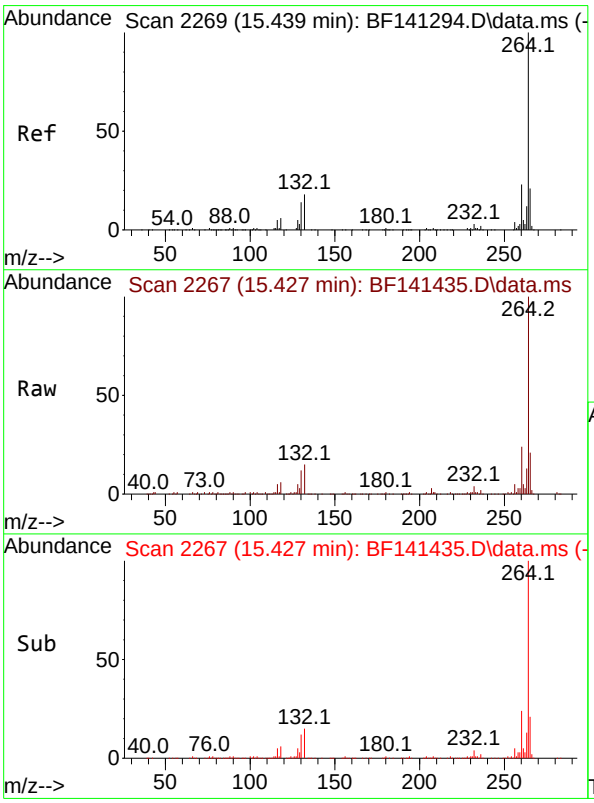
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

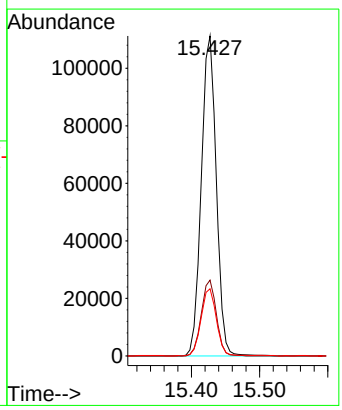


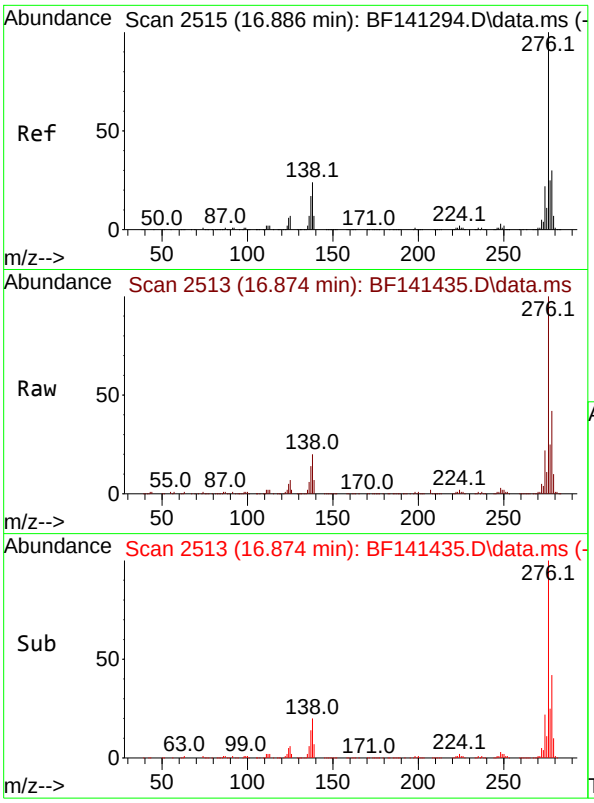


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:264 Resp: 170248

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.0	16.7	25.1

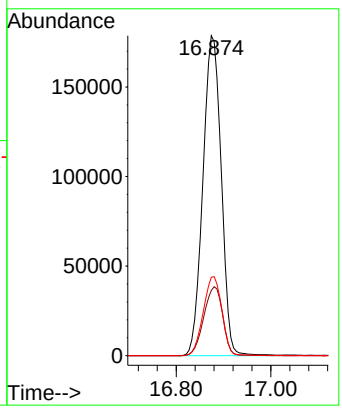




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.712 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:276 Resp: 48032

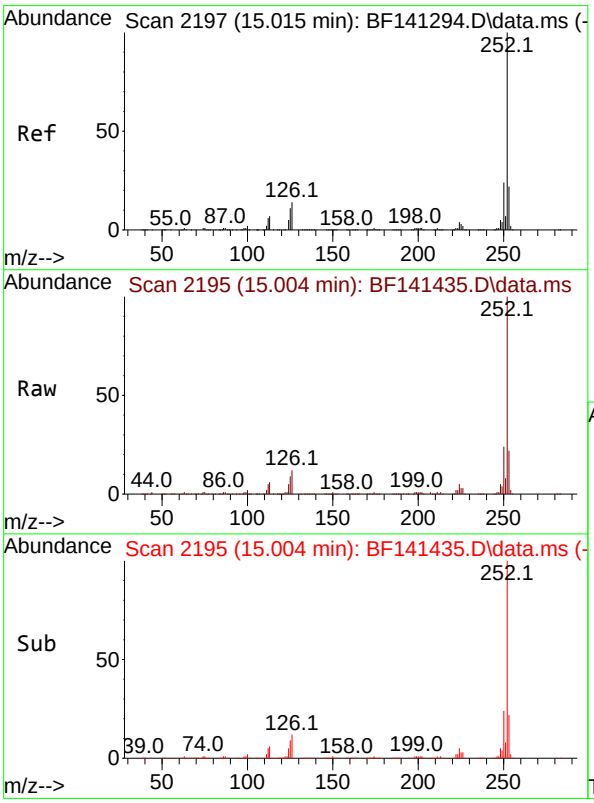
Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.7	32.5
277	25.2	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

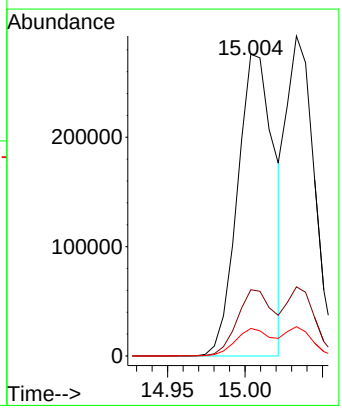
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

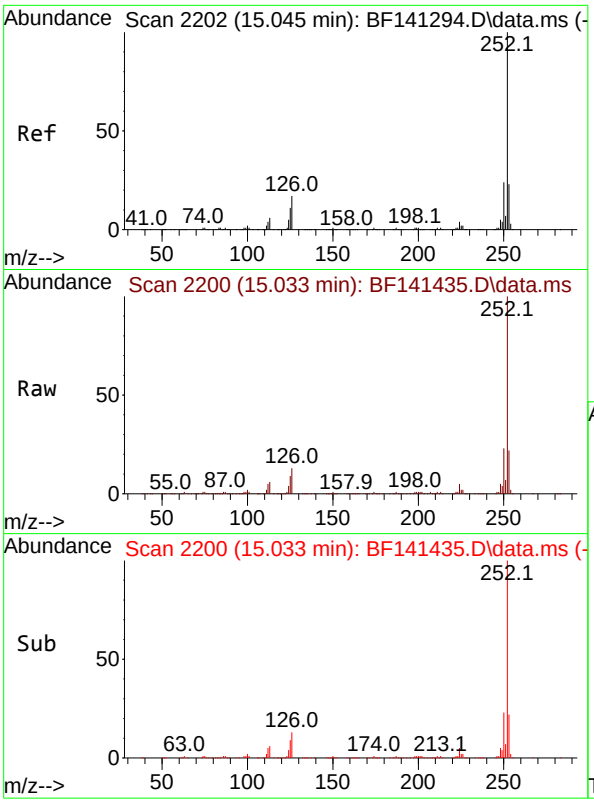


#88
Benzo(b)fluoranthene
Concen: 42.180 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 451713

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.1	8.6	12.8

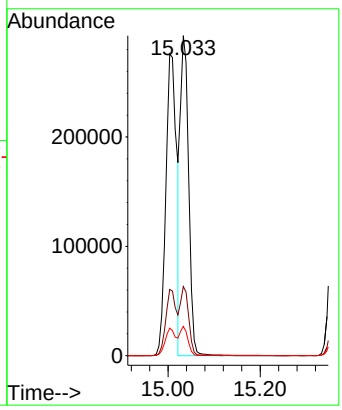




#89
Benzo(k)fluoranthene
Concen: 38.829 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 36836

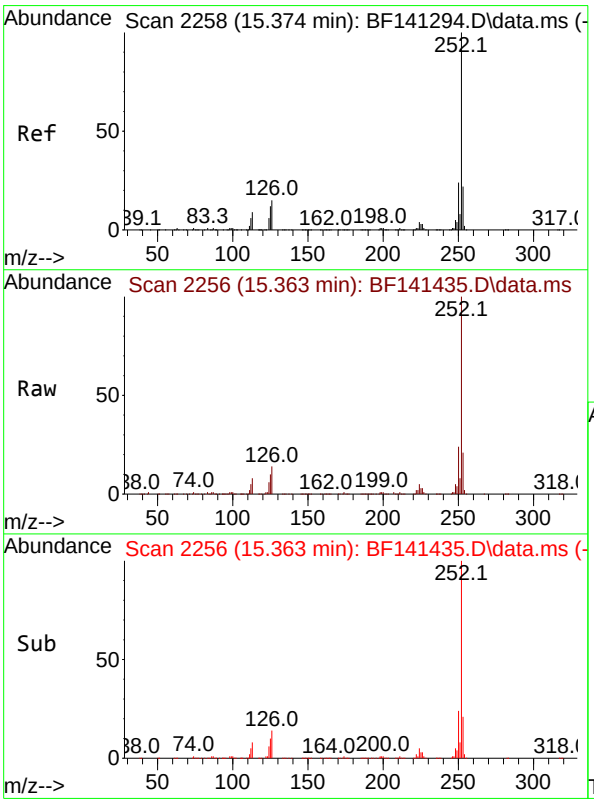
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.1	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

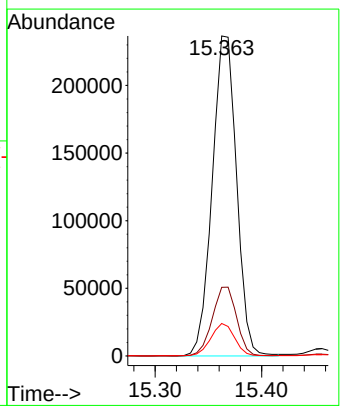
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

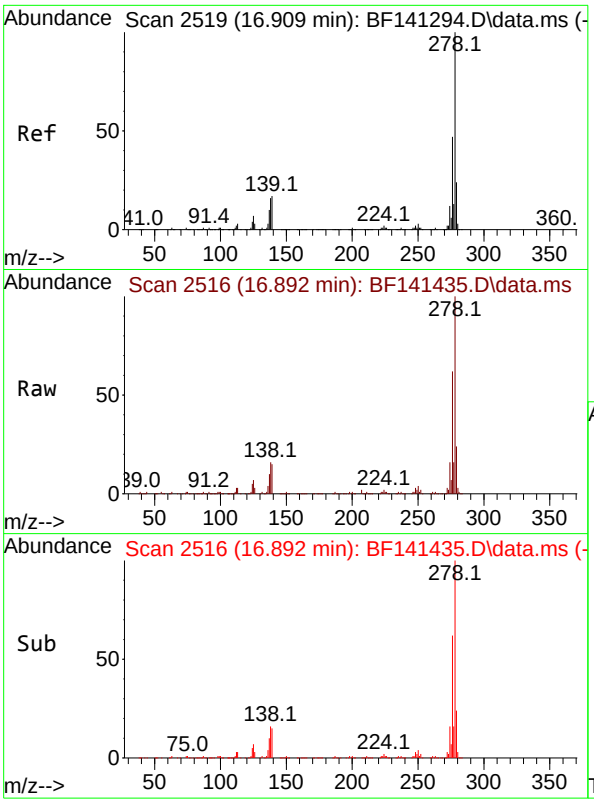


#90
Benzo(a)pyrene
Concen: 41.472 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 375306

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	10.2	9.4	14.2

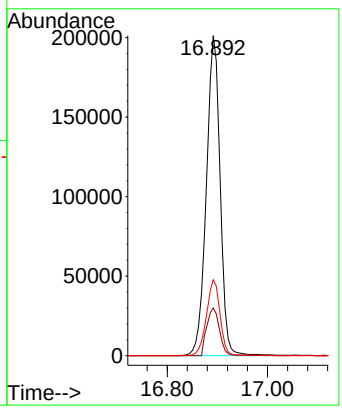




#91
Dibenzo(a,h)anthracene
Concen: 43.654 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:278 Resp: 38592

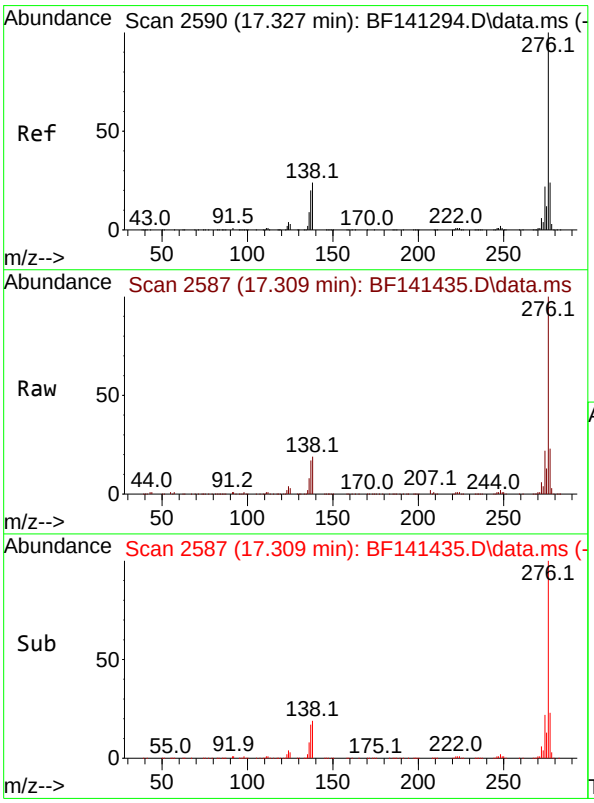
Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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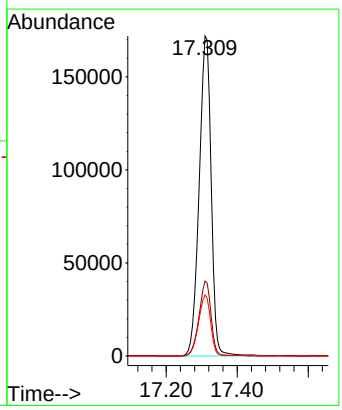
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 44.107 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:276 Resp: 405442

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	19.1	19.0	28.4



Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	58	-0.01
2		1,4-Dioxane	0.573	0.500	12.7	54	-0.04
3		Pyridine	1.380	1.235	10.5	54	-0.04
4		n-Nitrosodimethylamine	0.789	0.860	-9.0	66	-0.06
5	S	2-Fluorophenol	1.303	1.295	0.6	62	0.00
6		Aniline	1.403	1.297	7.6	55	-0.02
7	S	Phenol-d6	1.657	1.600	3.4	61	0.00
8		2-Chlorophenol	1.396	1.383	0.9	61	-0.01
9		Benzaldehyde	0.960	0.988	-2.9	64	-0.01
10	C	Phenol	1.757	1.663	5.4	58	0.00
11		bis(2-Chloroethyl)ether	1.347	1.263	6.2	59	-0.02
12		1,3-Dichlorobenzene	1.540	1.552	-0.8	63	-0.01
13	C	1,4-Dichlorobenzene	1.547	1.578	-2.0	63	-0.01
14		1,2-Dichlorobenzene	1.448	1.467	-1.3	63	-0.01
15		Benzyl Alcohol	1.133	1.197	-5.6	64	-0.01
16		2,2'-oxybis(1-Chloropropane	2.342	2.038	13.0	54	-0.01
17		2-Methylphenol	1.135	1.083	4.6	60	0.00
18		Hexachloroethane	0.571	0.582	-1.9	63	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.951	3.5	61	-0.02
20		3+4-Methylphenols	1.393	1.395	-0.1	62	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	57	-0.01
22		Acetophenone	0.475	0.493	-3.8	64	-0.01
23	S	Nitrobenzene-d5	0.379	0.396	-4.5	63	-0.01
24		Nitrobenzene	0.393	0.403	-2.5	61	-0.02
25		Isophorone	0.656	0.632	3.7	58	-0.01
26	C	2-Nitrophenol	0.185	0.191	-3.2	61	-0.01
27		2,4-Dimethylphenol	0.236	0.229	3.0	58	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.393	6.0	57	-0.01
29	C	2,4-Dichlorophenol	0.289	0.297	-2.8	62	0.00
30		1,2,4-Trichlorobenzene	0.330	0.338	-2.4	63	-0.01
31		Naphthalene	1.057	1.058	-0.1	61	-0.01
32		Benzoic acid	0.217	0.218	-0.5	56	-0.03
33		4-Chloroaniline	0.358	0.335	6.4	56	-0.01
34	C	Hexachlorobutadiene	0.194	0.212	-9.3	67	0.00
35		Caprolactam	0.094	0.092	2.1	59	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.323	-4.2	64	0.00
37		2-Methylnaphthalene	0.672	0.670	0.3	61	-0.01
38		1-Methylnaphthalene	0.660	0.657	0.5	61	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	58	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.569	0.579	-1.8	62	-0.01
41	P	Hexachlorocyclopentadiene	0.168	0.166	1.2	55	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.197	-7.7	65	-0.01
43	C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	61	0.00
44		2,4,5-Trichlorophenol	0.405	0.418	-3.2	64	0.00
45	S	2-Fluorobiphenyl	1.299	1.338	-3.0	65	-0.01
46		1,1'-Biphenyl	1.560	1.536	1.5	61	-0.01
47		2-Chloronaphthalene	1.216	1.222	-0.5	63	-0.01

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	0.382	0.396	-3.7	63	0.00
49		Acenaphthylene	1.702	1.696	0.4	61	-0.01
50		Dimethylphthalate	1.351	1.345	0.4	62	-0.01
51		2,6-Dinitrotoluene	0.314	0.319	-1.6	62	-0.01
52	C	Acenaphthene	1.216	1.232	-1.3	63	-0.01
53		3-Nitroaniline	0.307	0.309	-0.7	59	-0.01
54	P	2,4-Dinitrophenol	0.146	0.160	-9.6	63	-0.01
55		Dibenzofuran	1.627	1.626	0.1	62	-0.01
56	P	4-Nitrophenol	0.225	0.235	-4.4	60	0.00
57		2,4-Dinitrotoluene	0.406	0.428	-5.4	64	-0.01
58		Fluorene	1.262	1.312	-4.0	65	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.335	-5.0	63	0.00
60		Diethylphthalate	1.310	1.326	-1.2	62	-0.02
61		4-Chlorophenyl-phenylether	0.617	0.644	-4.4	65	0.00
62		4-Nitroaniline	0.302	0.314	-4.0	62	-0.02
63		Azobenzene	1.311	1.247	4.9	59	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	59	-0.01
65		4,6-Dinitro-2-methylphenol	0.118	0.135	-14.4	64	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.657	-1.5	62	-0.01
67		4-Bromophenyl-phenylether	0.224	0.231	-3.1	63	-0.01
68		Hexachlorobenzene	0.238	0.246	-3.4	64	-0.01
69		Atrazine	0.216	0.200	7.4	56	-0.01
70	C	Pentachlorophenol	0.139	0.151	-8.6	62	0.00
71		Phenanthrene	1.075	1.115	-3.7	64	0.00
72		Anthracene	1.053	1.101	-4.6	65	-0.01
73		Carbazole	0.934	1.005	-7.6	66	0.00
74		Di-n-butylphthalate	1.132	1.165	-2.9	64	-0.01
75	C	Fluoranthene	1.062	1.154	-8.7	67	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	65	-0.01
77		Benzidine	0.641	0.616	3.9	55	0.00
78		Pyrene	1.920	1.874	2.4	69	0.00
79	S	Terphenyl-d14	1.297	1.290	0.5	71	-0.01
80		Butylbenzylphthalate	0.671	0.667	0.6	69	-0.01
81		Benzo(a)anthracene	1.380	1.310	5.1	67	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.419	4.6	65	-0.01
83		Chrysene	1.265	1.242	1.8	71	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.821	3.5	68	-0.01
85	c	Di-n-octyl phthalate	1.321	1.243	5.9	65	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	61	-0.01
87		Indeno(1,2,3-cd)pyrene	1.291	1.411	-9.3	68	-0.02
88		Benzo(b)fluoranthene	1.258	1.327	-5.5	72	-0.02
89		Benzo(k)fluoranthene	1.114	1.082	2.9	61	-0.02
90	C	Benzo(a)pyrene	1.063	1.102	-3.7	66	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.133	-9.0	68	-0.03
92		Benzo(g,h,i)perylene	1.080	1.191	-10.3	70	-0.04

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	58	-0.01
2		1,4-Dioxane	40.000	34.885	12.8	54	-0.04
3		Pyridine	40.000	35.776	10.6	54	-0.04
4		n-Nitrosodimethylamine	40.000	43.622	-9.1	66	-0.06
5	S	2-Fluorophenol	80.000	79.549	0.6	62	0.00
6		Aniline	40.000	36.974	7.6	55	-0.02
7	S	Phenol-d6	80.000	77.255	3.4	61	0.00
8		2-Chlorophenol	40.000	39.605	1.0	61	-0.01
9		Benzaldehyde	40.000	41.171	-2.9	64	-0.01
10	C	Phenol	40.000	37.854	5.4	58	0.00
11		bis(2-Chloroethyl)ether	40.000	37.520	6.2	59	-0.02
12		1,3-Dichlorobenzene	40.000	40.328	-0.8	63	-0.01
13	C	1,4-Dichlorobenzene	40.000	40.809	-2.0	63	-0.01
14		1,2-Dichlorobenzene	40.000	40.526	-1.3	63	-0.01
15		Benzyl Alcohol	40.000	42.275	-5.7	64	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	34.802	13.0	54	-0.01
17		2-Methylphenol	40.000	38.159	4.6	60	0.00
18		Hexachloroethane	40.000	40.798	-2.0	63	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	38.623	3.4	61	-0.02
20		3+4-Methylphenols	40.000	40.033	-0.1	62	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	57	-0.01
22		Acetophenone	40.000	41.439	-3.6	64	-0.01
23	S	Nitrobenzene-d5	80.000	83.608	-4.5	63	-0.01
24		Nitrobenzene	40.000	41.037	-2.6	61	-0.02
25		Isophorone	40.000	38.520	3.7	58	-0.01
26	C	2-Nitrophenol	40.000	41.137	-2.8	61	-0.01
27		2,4-Dimethylphenol	40.000	38.795	3.0	58	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.533	6.2	57	-0.01
29	C	2,4-Dichlorophenol	40.000	41.092	-2.7	62	0.00
30		1,2,4-Trichlorobenzene	40.000	41.020	-2.6	63	-0.01
31		Naphthalene	40.000	40.064	-0.2	61	-0.01
32		Benzoic acid	40.000	40.161	-0.4	56	-0.03
33		4-Chloroaniline	40.000	37.413	6.5	56	-0.01
34	C	Hexachlorobutadiene	40.000	43.834	-9.6	67	0.00
35		Caprolactam	40.000	39.058	2.4	59	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.751	-4.4	64	0.00
37		2-Methylnaphthalene	40.000	39.913	0.2	61	-0.01
38		1-Methylnaphthalene	40.000	39.835	0.4	61	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	58	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.737	-1.8	62	-0.01
41	P	Hexachlorocyclopentadiene	40.000	39.437	1.4	55	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.780	-7.2	65	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.315	-3.3	61	0.00
44		2,4,5-Trichlorophenol	40.000	41.284	-3.2	64	0.00
45	S	2-Fluorobiphenyl	80.000	82.364	-3.0	65	-0.01
46		1,1'-Biphenyl	40.000	39.392	1.5	61	-0.01
47		2-Chloronaphthalene	40.000	40.191	-0.5	63	-0.01

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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	41.385	-3.5	63	0.00
49		Acenaphthylene	40.000	39.872	0.3	61	-0.01
50		Dimethylphthalate	40.000	39.828	0.4	62	-0.01
51		2,6-Dinitrotoluene	40.000	40.695	-1.7	62	-0.01
52	C	Acenaphthene	40.000	40.520	-1.3	63	-0.01
53		3-Nitroaniline	40.000	40.165	-0.4	59	-0.01
54	P	2,4-Dinitrophenol	40.000	43.990	-10.0	63	-0.01
55		Dibenzofuran	40.000	39.973	0.1	62	-0.01
56	P	4-Nitrophenol	40.000	41.844	-4.6	60	0.00
57		2,4-Dinitrotoluene	40.000	42.144	-5.4	64	-0.01
58		Fluorene	40.000	41.573	-3.9	65	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.052	-5.1	63	0.00
60		Diethylphthalate	40.000	40.510	-1.3	62	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.761	-4.4	65	0.00
62		4-Nitroaniline	40.000	41.554	-3.9	62	-0.02
63		Azobenzene	40.000	38.055	4.9	59	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	59	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	45.776	-14.4	64	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.601	-1.5	62	-0.01
67		4-Bromophenyl-phenylether	40.000	41.249	-3.1	63	-0.01
68		Hexachlorobenzene	40.000	41.354	-3.4	64	-0.01
69		Atrazine	40.000	37.040	7.4	56	-0.01
70	C	Pentachlorophenol	40.000	43.436	-8.6	62	0.00
71		Phenanthrene	40.000	41.476	-3.7	64	0.00
72		Anthracene	40.000	41.812	-4.5	65	-0.01
73		Carbazole	40.000	43.048	-7.6	66	0.00
74		Di-n-butylphthalate	40.000	41.155	-2.9	64	-0.01
75	C	Fluoranthene	40.000	43.486	-8.7	67	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	65	-0.01
77		Benzidine	40.000	38.432	3.9	55	0.00
78		Pyrene	40.000	39.047	2.4	69	0.00
79	S	Terphenyl-d14	80.000	79.581	0.5	71	-0.01
80		Butylbenzylphthalate	40.000	39.778	0.6	69	-0.01
81		Benzo(a)anthracene	40.000	37.964	5.1	67	-0.01
82		3,3'-Dichlorobenzidine	40.000	38.153	4.6	65	-0.01
83		Chrysene	40.000	39.290	1.8	71	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.586	3.5	68	-0.01
85	c	Di-n-octyl phthalate	40.000	37.624	5.9	65	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	61	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.712	-9.3	68	-0.02
88		Benzo(b)fluoranthene	40.000	42.180	-5.4	72	-0.02
89		Benzo(k)fluoranthene	40.000	38.829	2.9	61	-0.02
90	C	Benzo(a)pyrene	40.000	41.472	-3.7	66	-0.02
91		Dibenzo(a,h)anthracene	40.000	43.654	-9.1	68	-0.03
92		Benzo(g,h,i)perylene	40.000	44.107	-10.3	70	-0.04

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_G Calibration Date/Time: 02/05/2025 10:26

Lab File ID: BG063996.D Init. Calib. Date(s): 02/03/2025 02/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:18 15:42

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.247	1.288		3.3	
Benzaldehyde	0.935	0.940		0.5	
Phenol-d6	1.712	1.749		2.2	
Phenol	1.802	1.802		0.0	20.0
bis(2-Chloroethyl)ether	1.451	1.404		-3.2	
2-Chlorophenol	1.271	1.309		3.0	
2-Methylphenol	1.165	1.155		-0.9	
2,2-oxybis(1-Chloropropane)	2.922	2.847		-2.6	
Acetophenone	0.550	0.538		-2.2	
3+4-Methylphenols	1.553	1.568		1.0	
n-Nitroso-di-n-propylamine	1.185	1.194	0.050	0.8	
Nitrobenzene-d5	0.329	0.372		13.1	
Hexachloroethane	0.503	0.525		4.4	
Nitrobenzene	0.330	0.379		14.8	
Isophorone	0.713	0.708		-0.7	
2-Nitrophenol	0.069	0.100		44.9	20.0
2,4-Dimethylphenol	0.205	0.217		5.9	
bis(2-Chloroethoxy)methane	0.454	0.453		-0.2	
2,4-Dichlorophenol	0.249	0.281		12.9	20.0
Naphthalene	1.072	1.054		-1.7	
4-Chloroaniline	0.411	0.406		-1.2	
Hexachlorobutadiene	0.215	0.214		-0.5	20.0
Caprolactam	0.095	0.098		3.2	
4-Chloro-3-methylphenol	0.328	0.341		4.0	20.0
2-Methylnaphthalene	0.747	0.732		-2.0	
Hexachlorocyclopentadiene	0.149	0.176	0.050	18.1	
2,4,6-Trichlorophenol	0.288	0.342		18.8	20.0
2-Fluorobiphenyl	1.305	1.295		-0.8	
2,4,5-Trichlorophenol	0.333	0.385		15.6	
1,1-Biphenyl	1.523	1.479		-2.9	
2-Chloronaphthalene	1.110	1.086		-2.2	
2-Nitroaniline	0.249	0.330		32.5	
Dimethylphthalate	1.326	1.397		5.4	
Acenaphthylene	1.724	1.703		-1.2	
2,6-Dinitrotoluene	0.208	0.267		28.4	
3-Nitroaniline	0.238	0.297		24.8	
Acenaphthene	1.156	1.159		0.3	20.0
2,4-Dinitrophenol	0.057	0.068	0.050	19.3	
4-Nitrophenol	0.203	0.235	0.050	15.8	

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.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_G Calibration Date/Time: 02/05/2025 10:26

Lab File ID: BG063996.D Init. Calib. Date(s): 02/03/2025 02/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:18 15:42

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.878	1.836		-2.2	
2,4-Dinitrotoluene	0.268	0.355		32.5	
Diethylphthalate	1.406	1.470		4.6	
4-Chlorophenyl-phenylether	0.728	0.716		-1.6	
Fluorene	1.451	1.434		-1.2	
4-Nitroaniline	0.267	0.322		20.6	
4,6-Dinitro-2-methylphenol	0.046	0.057		23.9	
n-Nitrosodiphenylamine	0.555	0.558		0.5	20.0
2,4,6-Tribromophenol	0.192	0.221		15.1	
4-Bromophenyl-phenylether	0.199	0.205		3.0	
Hexachlorobenzene	0.234	0.232		-0.9	
Atrazine	0.185	0.190		2.7	
Pentachlorophenol	0.120	0.136		13.3	20.0
Phenanthrene	1.050	1.035		-1.4	
Anthracene	1.051	1.032		-1.8	
Carbazole	0.984	0.991		0.7	
Di-n-butylphthalate	1.026	1.148		11.9	
Fluoranthene	1.279	1.268		-0.9	20.0
Pyrene	1.235	1.241		0.5	
Terphenyl-d14	0.958	0.946		-1.3	
Butylbenzylphthalate	0.346	0.418		20.8	
3,3-Dichlorobenzidine	0.395	0.434		9.9	
Benzo(a)anthracene	1.270	1.265		-0.4	
Chrysene	1.264	1.244		-1.6	
Bis(2-ethylhexyl)phthalate	0.575	0.675		17.4	
Di-n-octyl phthalate	1.001	1.101		10.0	20.0
Benzo(b)fluoranthene	1.178	1.188		0.8	
Benzo(k)fluoranthene	1.209	1.219		0.8	
Benzo(a)pyrene	1.051	1.062		1.0	20.0
Indeno(1,2,3-cd)pyrene	1.290	1.316		2.0	
Dibenzo(a,h)anthracene	1.089	1.096		0.6	
Benzo(g,h,i)perylene	1.100	1.113		1.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.580		-1.7	
1,4-Dioxane	0.592	0.547		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.376		21.7	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.871	152	63436	20.000	ng		0.00
21) Naphthalene-d8	10.656	136	270173	20.000	ng		0.00
39) Acenaphthene-d10	14.498	164	179556	20.000	ng		0.00
64) Phenanthrene-d10	17.236	188	399629	20.000	ng		0.00
76) Chrysene-d12	21.472	240	430606	20.000	ng		0.00
86) Perylene-d12	24.498	264	452558	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.456	112	326889	82.620	ng		0.00
7) Phenol-d6	7.031	99	443858	81.747	ng		0.00
23) Nitrobenzene-d5	9.022	82	402420	90.524	ng		0.00
42) 2,4,6-Tribromophenol	15.979	330	159054	82.949	ng		0.00
45) 2-Fluorobiphenyl	13.123	172	929920	79.349	ng		0.00
79) Terphenyl-d14	19.857	244	1629680	79.040	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.394	88	69343	36.904	ng		94
3) Pyridine	3.776	79	189914	37.429	ng		100
4) n-Nitrosodimethylamine	3.687	42	110569	37.898	ng		95
6) Aniline	7.195	93	229256	39.401	ng		98
8) 2-Chlorophenol	7.436	128	166126	41.205	ng		98
9) Benzaldehyde	7.007	77	119249	40.231	ng		96
10) Phenol	7.054	94	228672	40.009	ng		98
11) bis(2-Chloroethyl)ether	7.295	93	178141	38.706	ng		95
12) 1,3-Dichlorobenzene	7.759	146	183484	38.246	ng		98
13) 1,4-Dichlorobenzene	7.906	146	188191	38.842	ng		97
14) 1,2-Dichlorobenzene	8.223	146	182911	39.388	ng		97
15) Benzyl Alcohol	8.106	79	163321	40.243	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.394	45	361200	38.974	ng		98
17) 2-Methylphenol	8.306	107	146499	39.632	ng		99
18) Hexachloroethane	8.952	117	66637	41.791	ng		98
19) n-Nitroso-di-n-propyla...	8.676	70	151497	40.291	ng	#	96
20) 3+4-Methylphenols	8.629	107	198882	40.385	ng		97
22) Acetophenone	8.682	105	290511	39.136	ng	#	98
24) Nitrobenzene	9.063	77	204677	40.482	ng		98
25) Isophorone	9.586	82	382310	39.672	ng	#	99
26) 2-Nitrophenol	9.774	139	53933	46.454	ng		93
27) 2,4-Dimethylphenol	9.833	122	117284	42.309	ng		97
28) bis(2-Chloroethoxy)met...	10.074	93	244566	39.884	ng		98
29) 2,4-Dichlorophenol	10.303	162	152063	39.917	ng		97
30) 1,2,4-Trichlorobenzene	10.521	180	180787	39.696	ng		98
31) Naphthalene	10.709	128	569687	39.330	ng		99
32) Benzoic acid	9.962	122	78296m	44.581	ng		
33) 4-Chloroaniline	10.808	127	219112	39.481	ng		99
34) Hexachlorobutadiene	11.002	225	115425	39.798	ng		99
35) Caprolactam	11.572	113	52960	38.534	ng		91
36) 4-Chloro-3-methylphenol	11.937	107	184491	41.579	ng		98
37) 2-Methylnaphthalene	12.318	142	395799	39.211	ng		100
38) 1-Methylnaphthalene	12.536	142	383426	38.390	ng		98
40) 1,2,4,5-Tetrachloroben...	12.689	216	208246	39.329	ng		98
41) Hexachlorocyclopentadiene	12.671	237	63029	47.032	ng		99
43) 2,4,6-Trichlorophenol	12.924	196	122684	40.290	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	138412	40.231	ng		97
46) 1,1'-Biphenyl	13.335	154	531178	38.855	ng		100
47) 2-Chloronaphthalene	13.370	162	390083	39.148	ng		100
48) 2-Nitroaniline	13.564	65	118360	44.802	ng		96
49) Acenaphthylene	14.216	152	611689	39.522	ng		99
50) Dimethylphthalate	13.958	163	501666	42.138	ng		99
51) 2,6-Dinitrotoluene	14.063	165	95990	43.440	ng		98
52) Acenaphthene	14.563	154	416128	40.083	ng		99
53) 3-Nitroaniline	14.392	138	106778	41.298	ng		97
54) 2,4-Dinitrophenol	14.592	184	24425	45.690	ng	#	87
55) Dibenzofuran	14.892	168	659325	39.112	ng		99
56) 4-Nitrophenol	14.692	139	84500	41.262	ng		96
57) 2,4-Dinitrotoluene	14.851	165	127407	44.176	ng	#	97
58) Fluorene	15.544	166	515042	39.530	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	134993	40.818	ng		99
60) Diethylphthalate	15.327	149	527849	41.818	ng		99
61) 4-Chlorophenyl-phenyle...	15.544	204	257105	39.328	ng		97
62) 4-Nitroaniline	15.556	138	115775	41.675	ng		99
63) Azobenzene	15.832	77	587256	39.390	ng		98
65) 4,6-Dinitro-2-methylph...	15.615	198	45495	47.195	ng		95
66) n-Nitrosodiphenylamine	15.756	169	445839	40.238	ng		98
67) 4-Bromophenyl-phenylether	16.437	248	163751	41.167	ng		98
68) Hexachlorobenzene	16.549	284	185761	39.723	ng		100
69) Atrazine	16.702	200	151886	41.192	ng		99
70) Pentachlorophenol	16.884	266	108459	40.332	ng		96
71) Phenanthrene	17.277	178	827230	39.412	ng		99
72) Anthracene	17.371	178	825089	39.285	ng		99
73) Carbazole	17.636	167	791960	40.281	ng		99
74) Di-n-butylphthalate	18.217	149	917485	44.768	ng		100
75) Fluoranthene	19.287	202	1013381	39.649	ng		98
77) Benzidine	19.469	184	532602	58.084	ng		98
78) Pyrene	19.651	202	1069071	40.216	ng		99
80) Butylbenzylphthalate	20.556	149	359990	39.849	ng		99
81) Benzo(a)anthracene	21.455	228	1089275	39.842	ng		99
82) 3,3'-Dichlorobenzidine	21.378	252	373433	43.860	ng		97
83) Chrysene	21.514	228	1071017	39.365	ng		99
84) Bis(2-ethylhexyl)phtha...	21.396	149	581664	39.908	ng		98
85) Di-n-octyl phthalate	22.554	149	948114	40.231	ng		99
87) Indeno(1,2,3-cd)pyrene	27.918	276	1190984	40.793	ng		99
88) Benzo(b)fluoranthene	23.546	252	1075439	40.356	ng		98
89) Benzo(k)fluoranthene	23.611	252	1103644	40.333	ng		99
90) Benzo(a)pyrene	24.357	252	961075	40.404	ng		100
91) Dibenzo(a,h)anthracene	27.977	278	992345	40.253	ng		98
92) Benzo(g,h,i)perylene	28.975	276	1007013	40.462	ng		98

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

Sample Results: **BG063996.D**

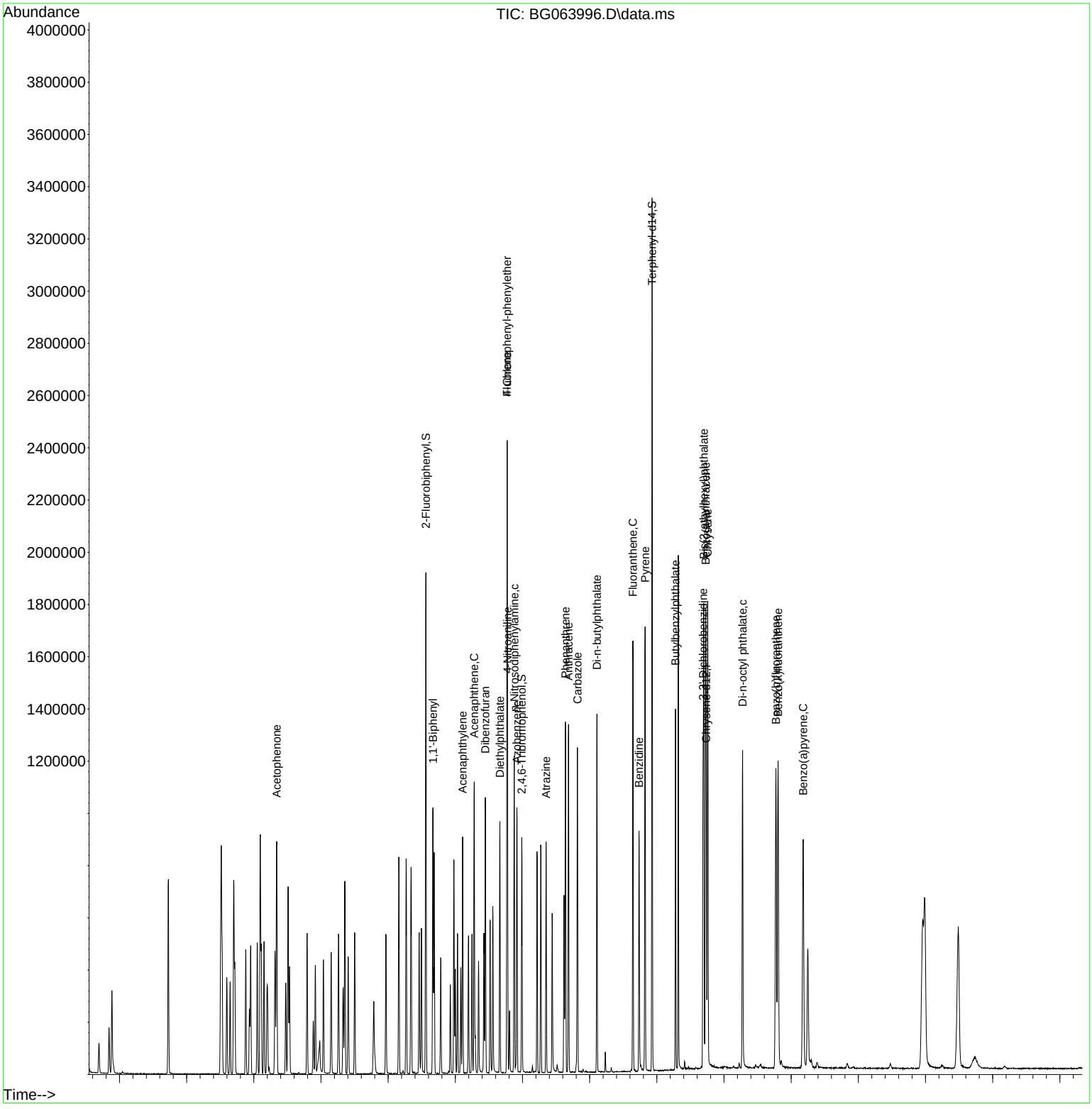
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Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

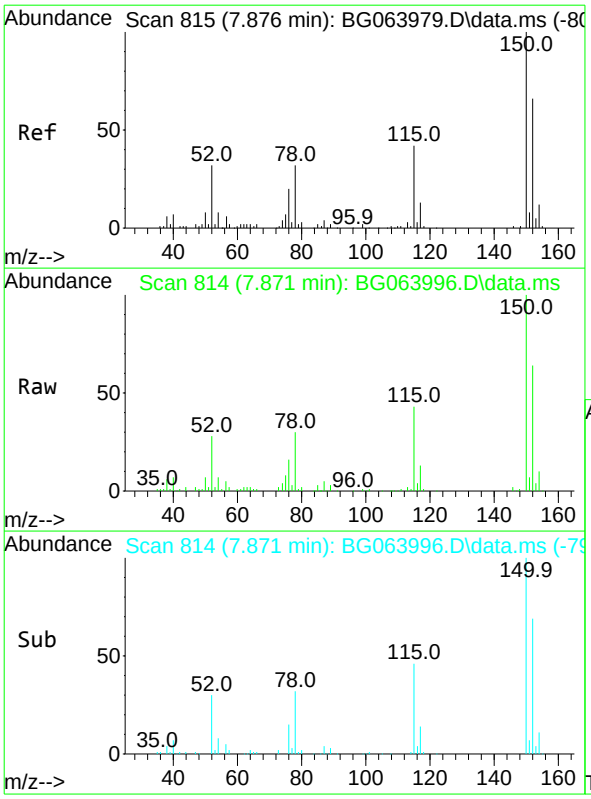
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

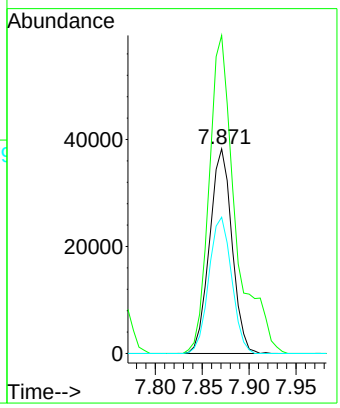




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.871 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:152 Resp: 63436

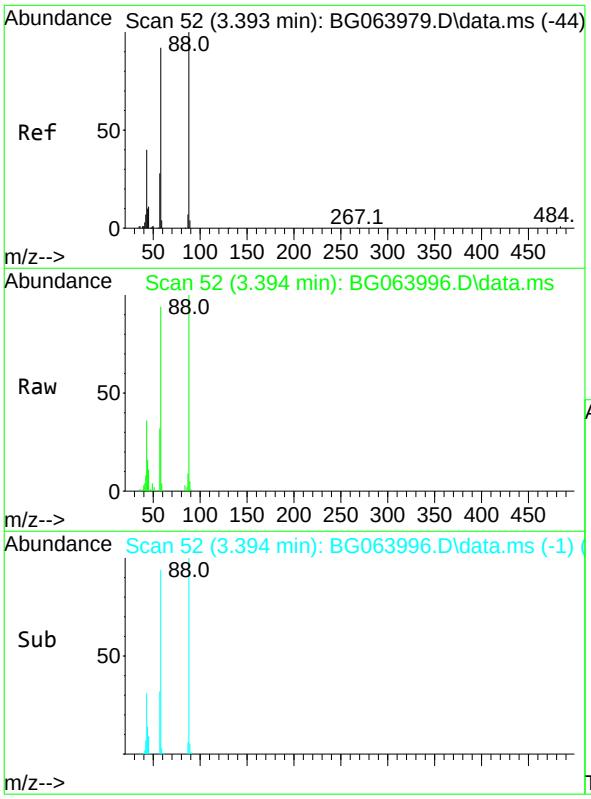
Ion	Ratio	Lower	Upper
152	100		
150	155.4	121.0	181.6
115	66.6	50.4	75.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

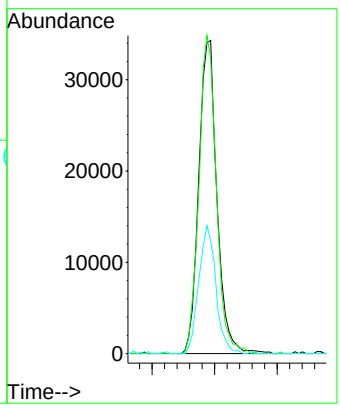
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

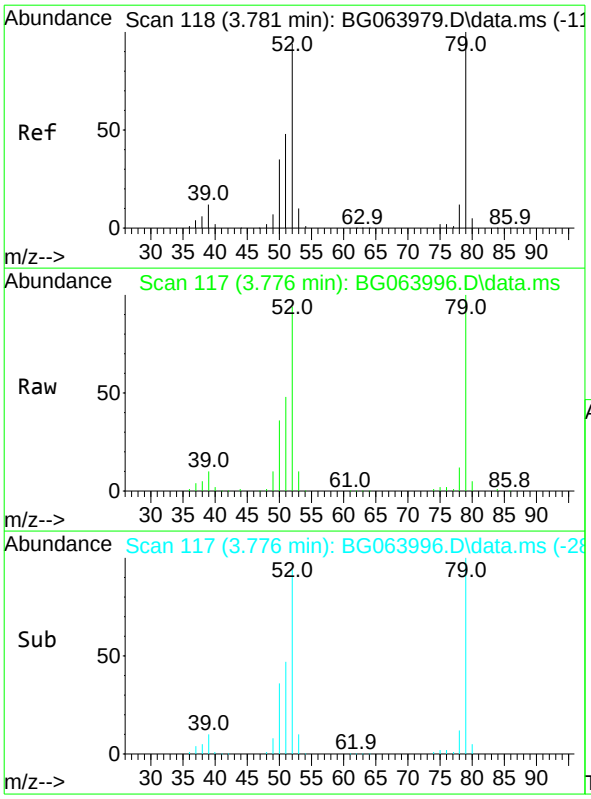


#2
1,4-Dioxane
Concen: 36.904 ng
RT: 3.394 min Scan# 52
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 88 Resp: 69343

Ion	Ratio	Lower	Upper
88	100		
58	97.1	71.8	107.8
43	38.3	31.2	46.8

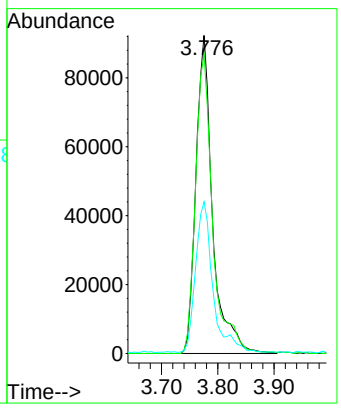




#3
Pyridine
Concen: 37.429 ng
RT: 3.776 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 79 Resp: 189914

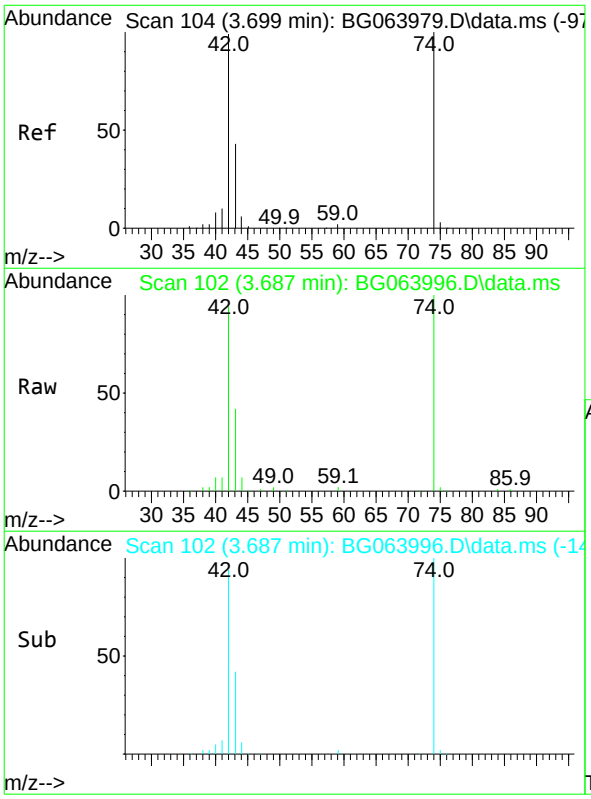
Ion	Ratio	Lower	Upper
79	100		
52	93.9	75.1	112.7
51	47.7	38.9	58.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

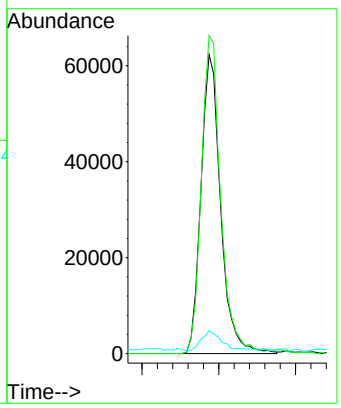
Reviewed By :Yogesh Patel 02/06/2025
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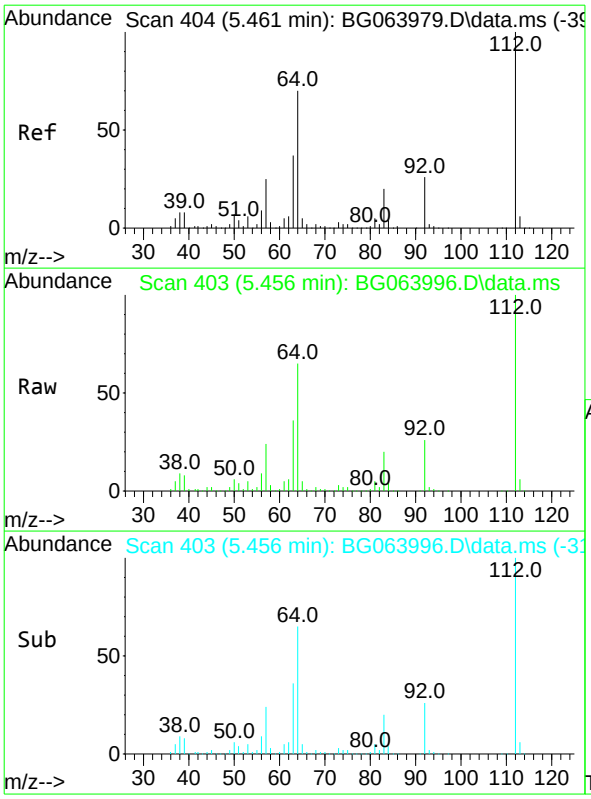


#4
n-Nitrosodimethylamine
Concen: 37.898 ng
RT: 3.687 min Scan# 102
Delta R.T. -0.011 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 42 Resp: 110569

Ion	Ratio	Lower	Upper
42	100		
74	106.4	80.8	121.2
44	7.7	5.8	8.6

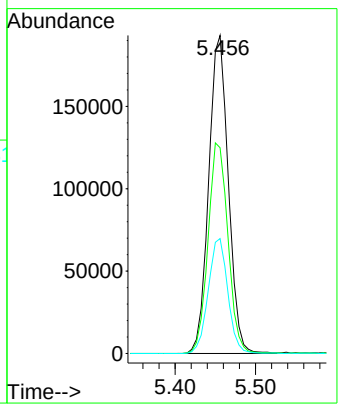




#5
2-Fluorophenol
Concen: 82.620 ng
RT: 5.456 min Scan# 40
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:112 Resp: 326889

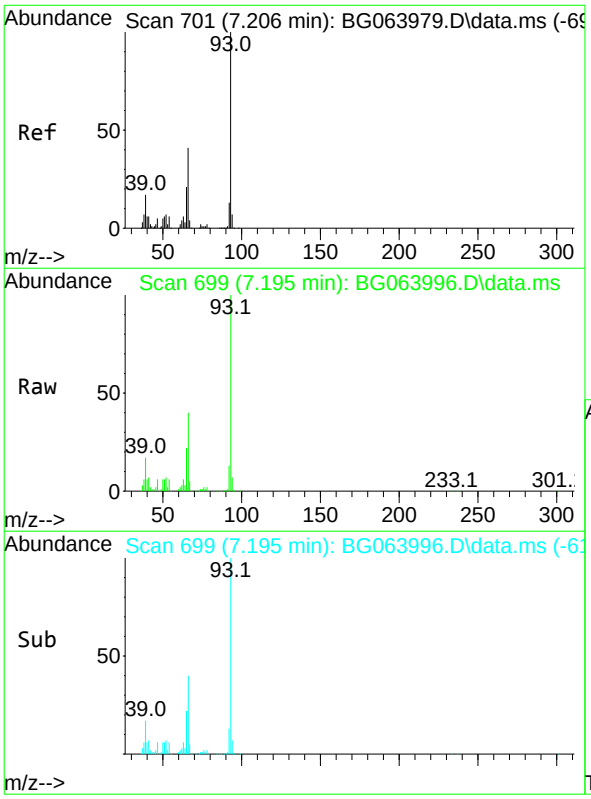
Ion	Ratio	Lower	Upper
112	100		
64	64.7	55.8	83.8
63	36.1	29.3	43.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

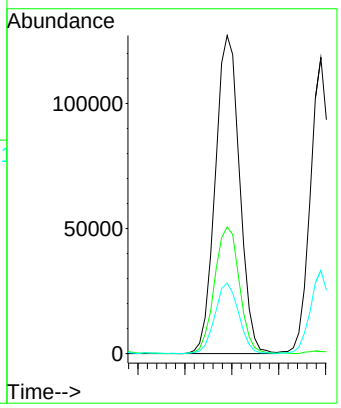
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

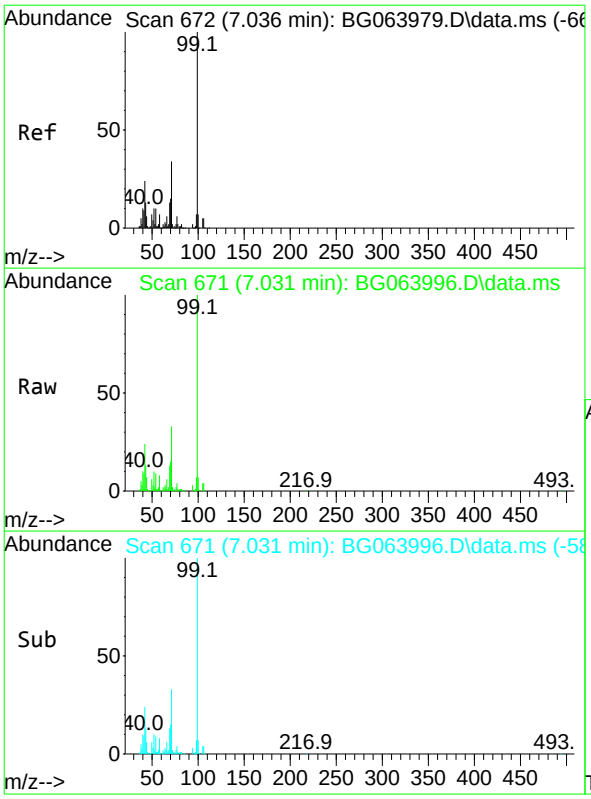


#6
Aniline
Concen: 39.401 ng
RT: 7.195 min Scan# 699
Delta R.T. -0.011 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 93 Resp: 229256

Ion	Ratio	Lower	Upper
93	100		
66	39.8	32.5	48.7
65	22.1	16.6	25.0





#7
Phenol-d6
Concen: 81.747 ng
RT: 7.031 min Scan# 67
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

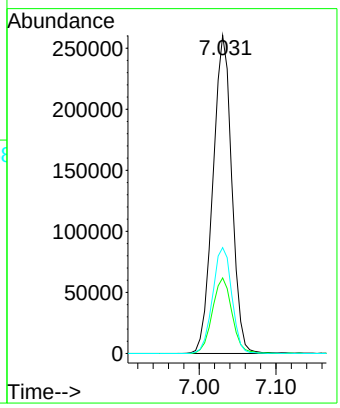
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

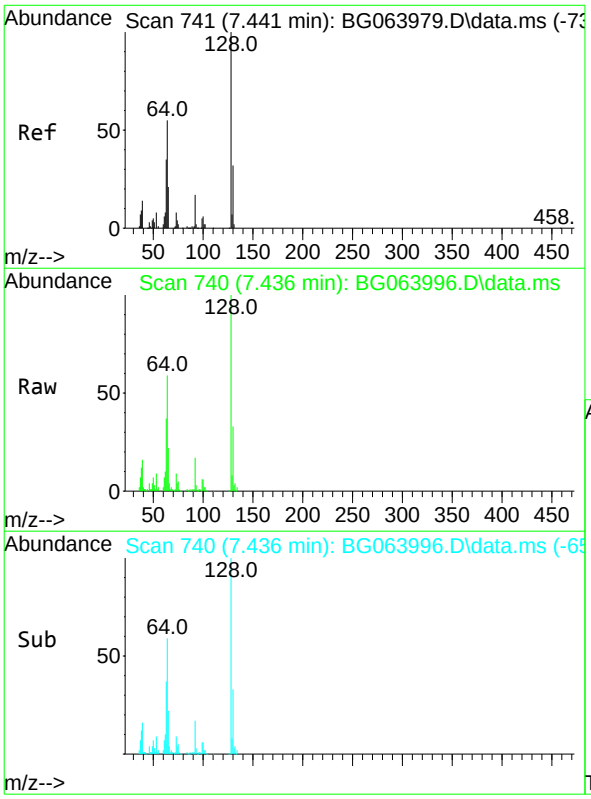
Tgt Ion: 99 Resp: 443858

Ion	Ratio	Lower	Upper
99	100		
42	23.8	18.9	28.3
71	33.3	27.0	40.6

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 02/06/2025

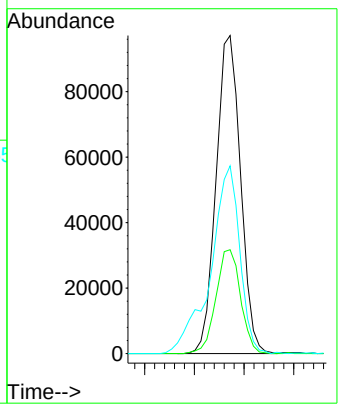


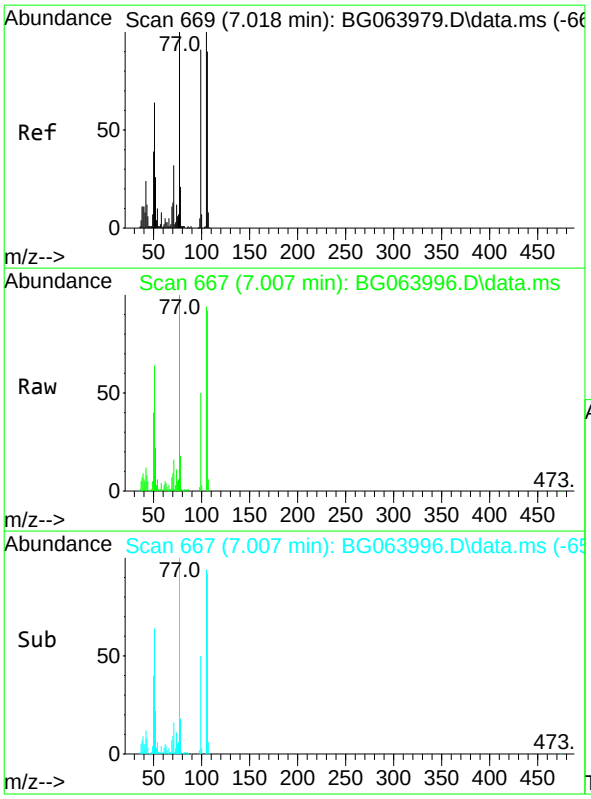


#8
2-Chlorophenol
Concen: 41.205 ng
RT: 7.436 min Scan# 740
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:128 Resp: 166126

Ion	Ratio	Lower	Upper
128	100		
130	32.7	11.9	51.9
64	59.0	36.8	76.8

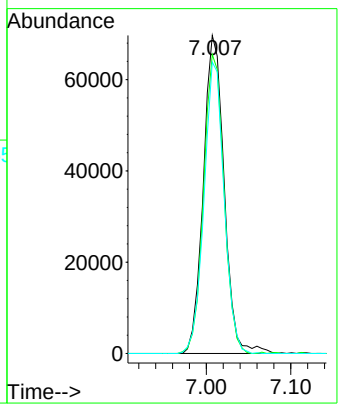




#9
Benzaldehyde
Concen: 40.231 ng
RT: 7.007 min Scan# 66
Delta R.T. -0.011 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 77 Resp: 119249

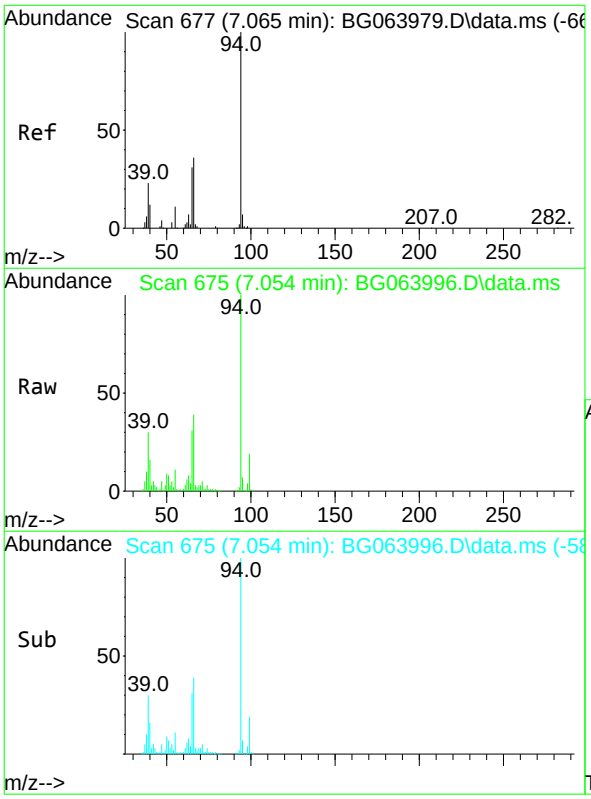
Ion	Ratio	Lower	Upper
77	100		
105	94.0	79.8	119.8
106	91.6	69.9	109.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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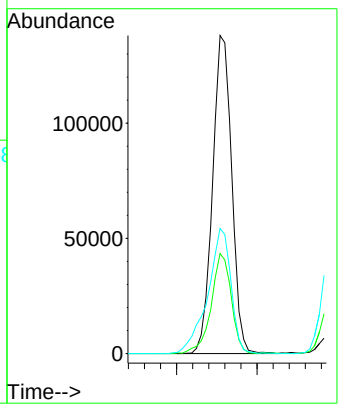
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

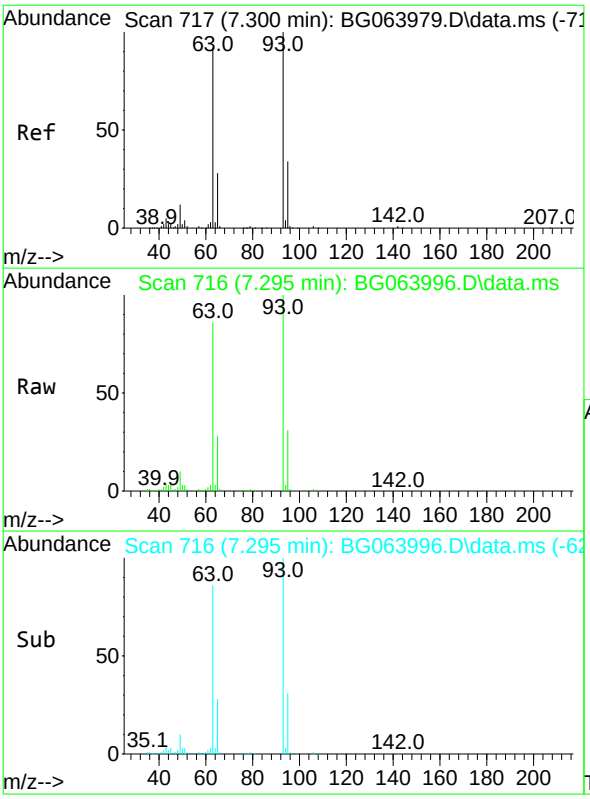


#10
Phenol
Concen: 40.009 ng
RT: 7.054 min Scan# 675
Delta R.T. -0.011 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 94 Resp: 228672

Ion	Ratio	Lower	Upper
94	100		
65	31.5	11.4	51.4
66	39.3	16.7	56.7





#11
bis(2-Chloroethyl)ether
Concen: 38.706 ng
RT: 7.295 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

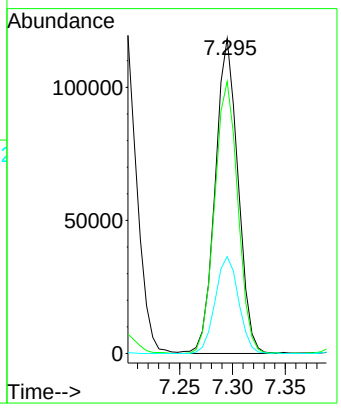
Tgt Ion: 93 Resp: 178141

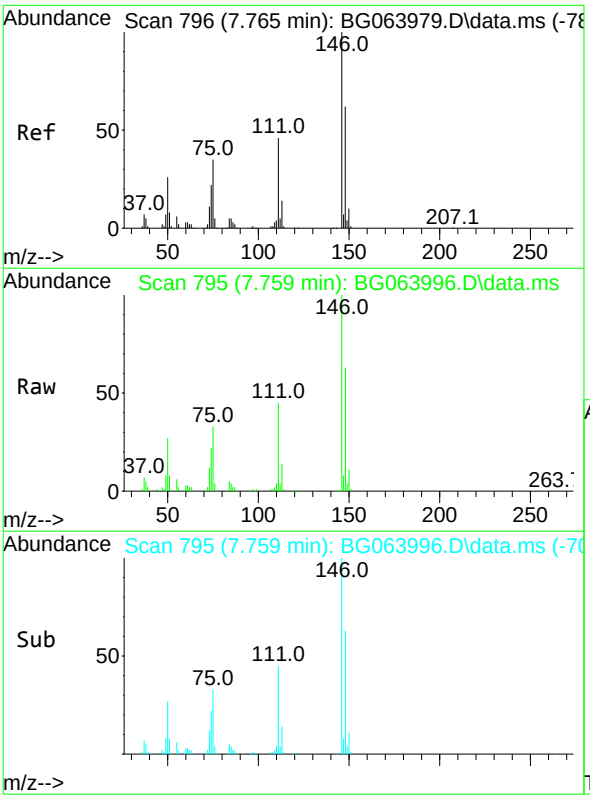
Ion	Ratio	Lower	Upper
93	100		
63	86.3	71.2	111.2
95	30.7	13.9	53.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

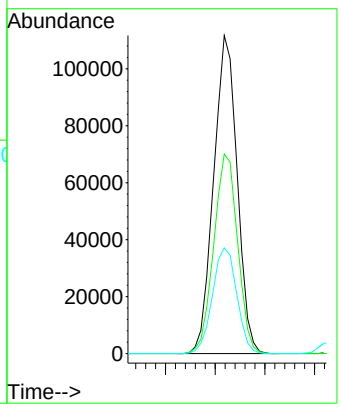


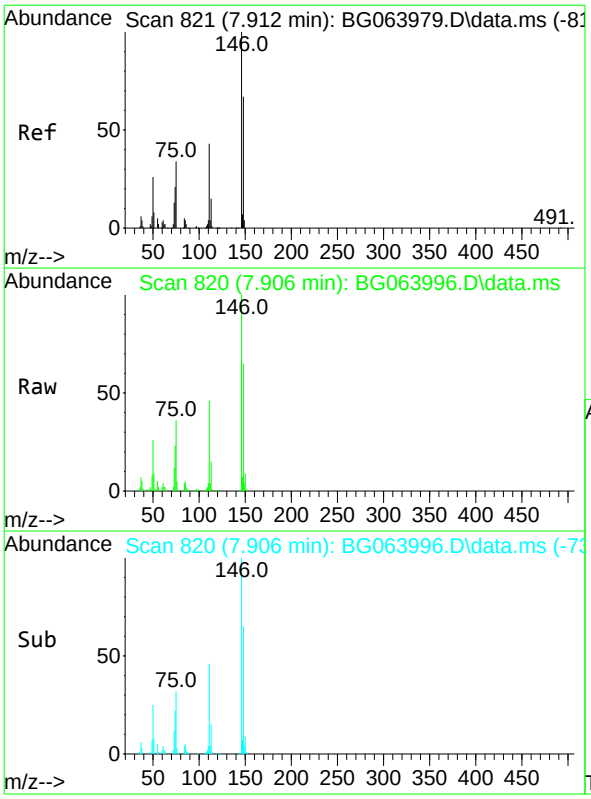


#12
1,3-Dichlorobenzene
Concen: 38.246 ng
RT: 7.759 min Scan# 795
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:146 Resp: 183484

Ion	Ratio	Lower	Upper
146	100		
148	62.8	49.6	74.4
75	33.2	27.8	41.8





#13
1,4-Dichlorobenzene
Concen: 38.842 ng
RT: 7.906 min Scan# 82
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

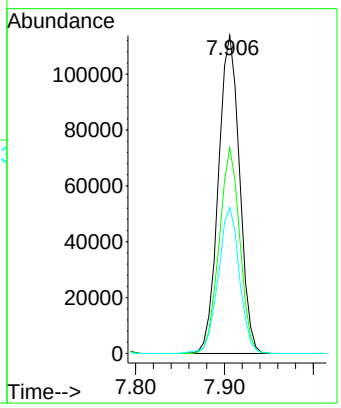
Tgt Ion:146 Resp: 188191

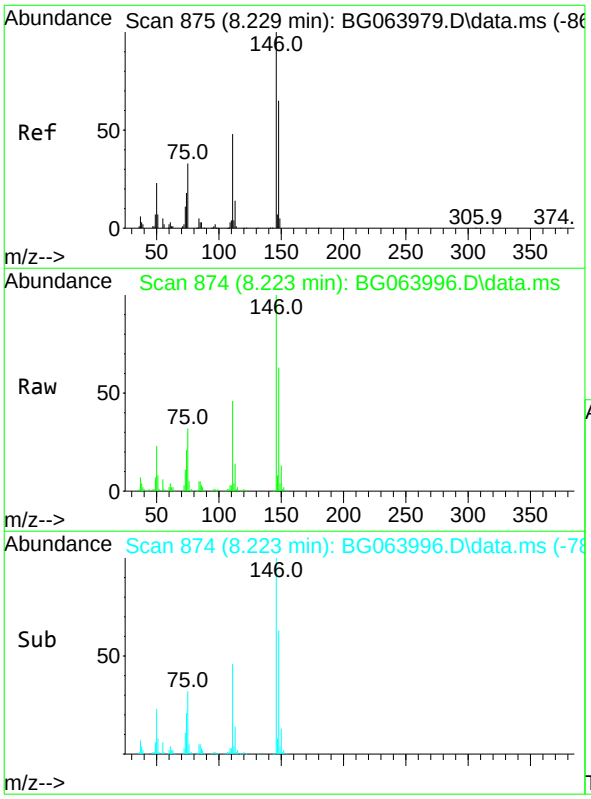
Ion	Ratio	Lower	Upper
146	100		
148	64.7	53.3	79.9
111	45.9	34.8	52.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

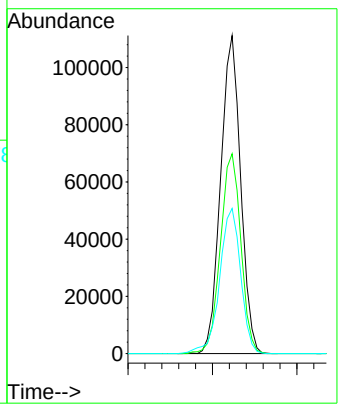


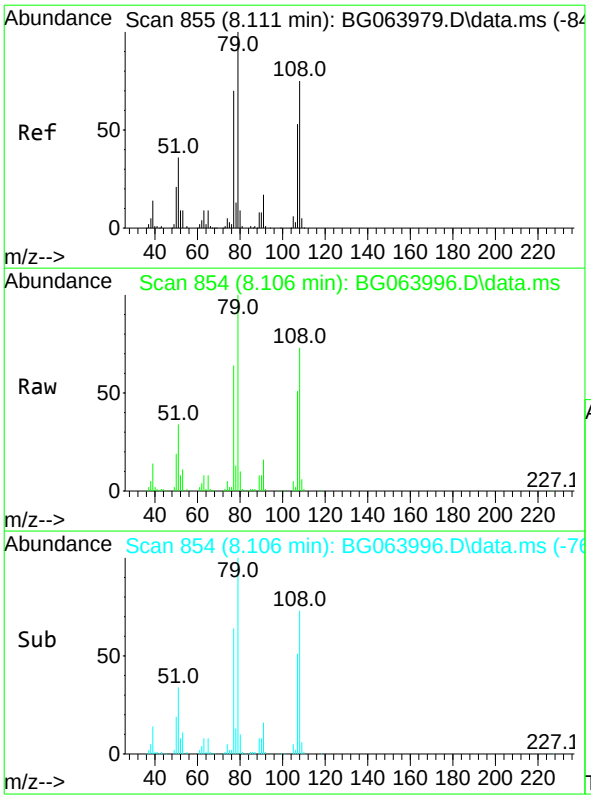


#14
1,2-Dichlorobenzene
Concen: 39.388 ng
RT: 8.223 min Scan# 874
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:146 Resp: 182911

Ion	Ratio	Lower	Upper
146	100		
148	62.8	52.0	78.0
111	45.6	38.2	57.2





#15
Benzyl Alcohol
Concen: 40.243 ng
RT: 8.106 min Scan# 85
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

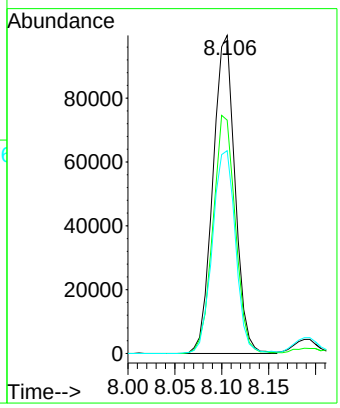
Tgt Ion: 79 Resp: 163321

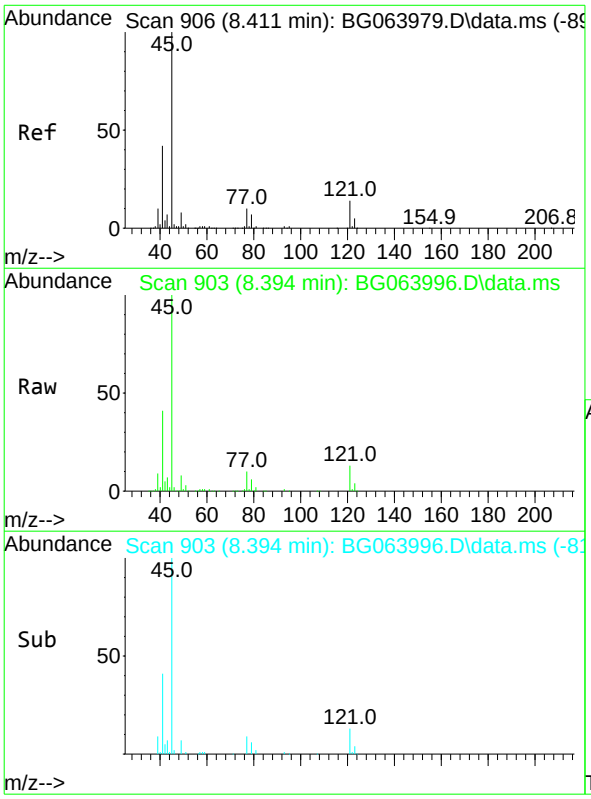
Ion	Ratio	Lower	Upper
79	100		
108	73.4	60.3	90.5
77	63.8	55.8	83.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

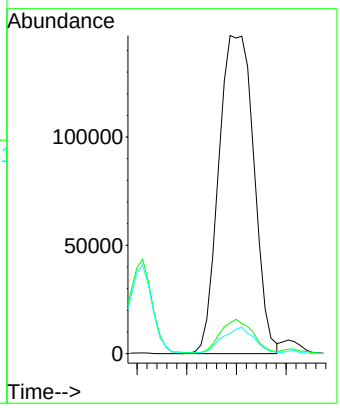


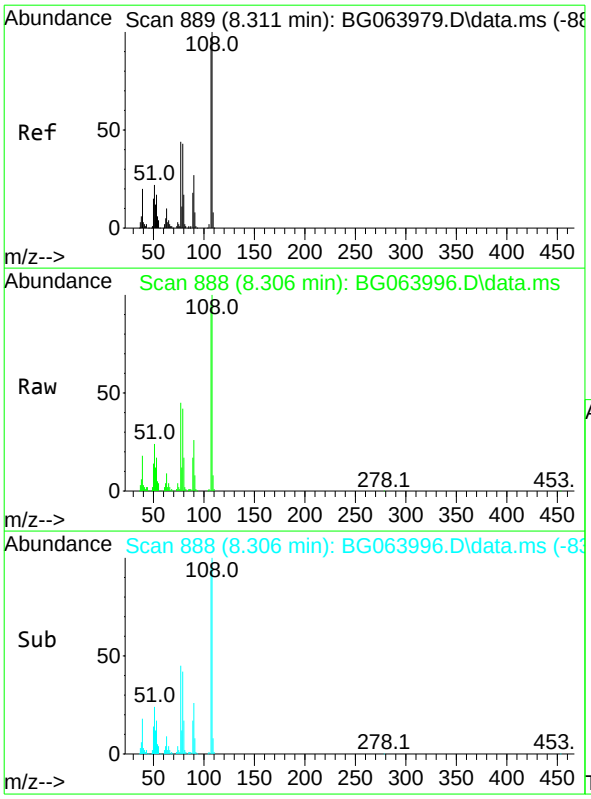


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.974 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.017 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 45 Resp: 361200

Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	29.8
79	6.4	0.0	27.7

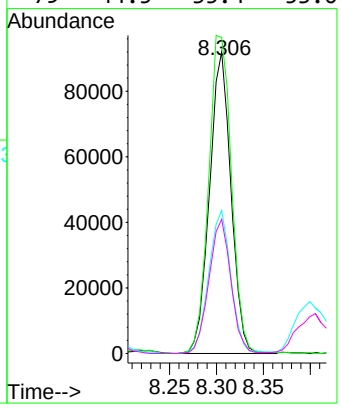




#17
2-Methylphenol
Concen: 39.632 ng
RT: 8.306 min Scan# 88
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:107 Resp: 146499

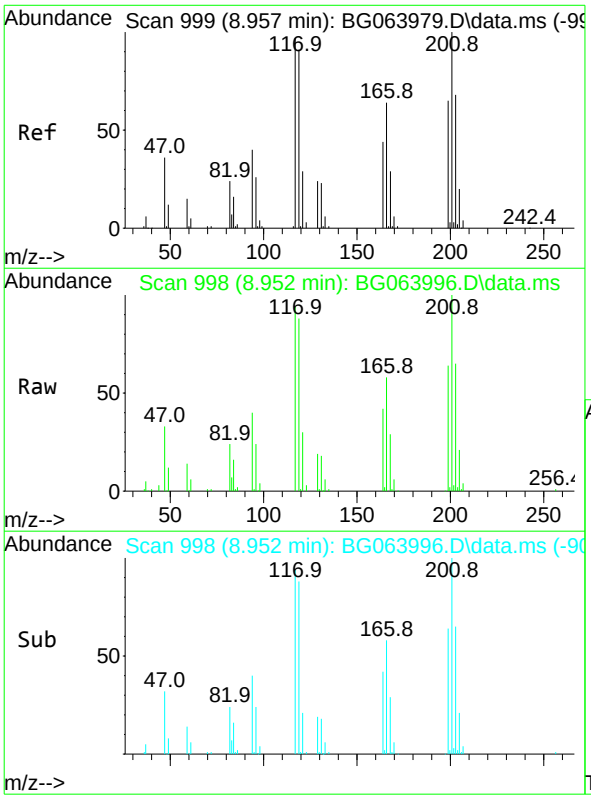
Ion	Ratio	Lower	Upper
107	100		
108	104.8	82.9	124.3
77	47.4	36.4	54.6
79	44.5	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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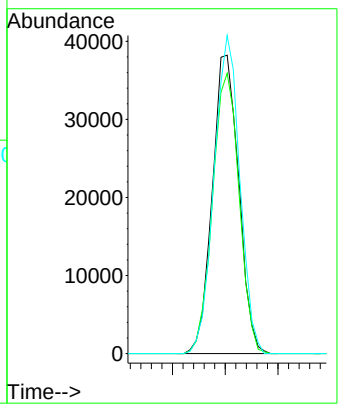
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

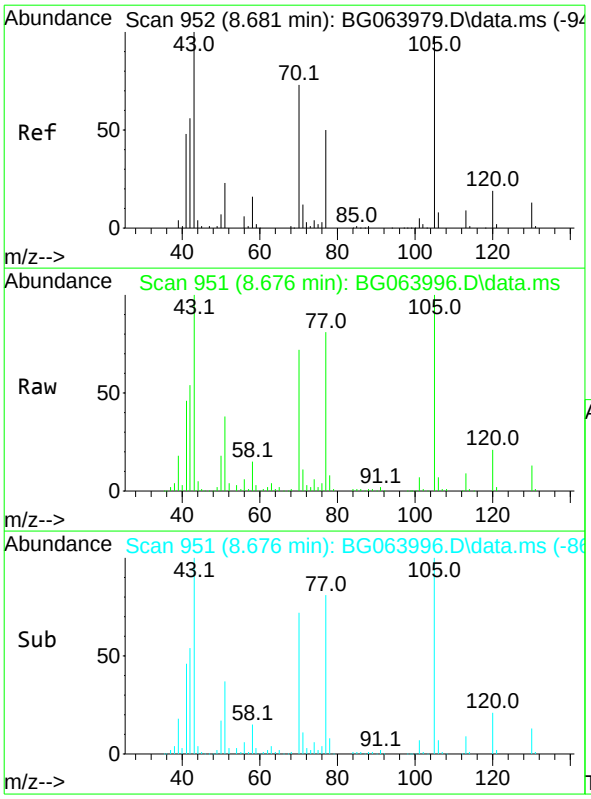


#18
Hexachloroethane
Concen: 41.791 ng
RT: 8.952 min Scan# 998
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:117 Resp: 66637

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.0
201	106.6	82.4	123.6





#19
n-Nitroso-di-n-propylamine
Concen: 40.291 ng
RT: 8.676 min Scan# 95
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

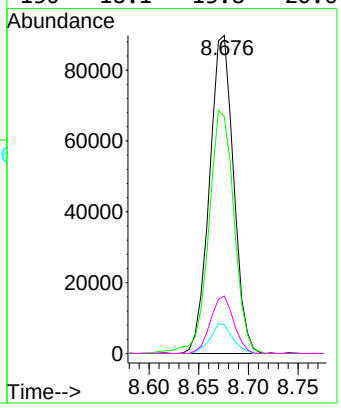
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

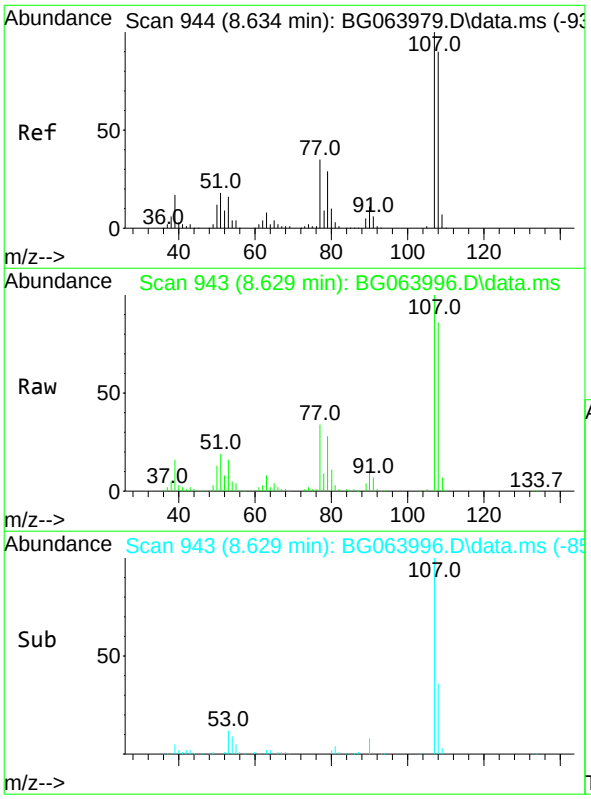
Tgt Ion: 70 Resp: 151497

Ion	Ratio	Lower	Upper
70	100		
42	74.5	62.2	93.4
101	9.0	5.6	8.4#
130	18.1	13.8	20.6

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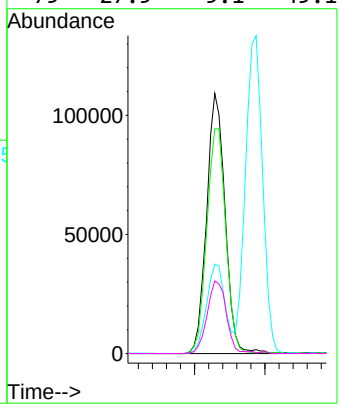


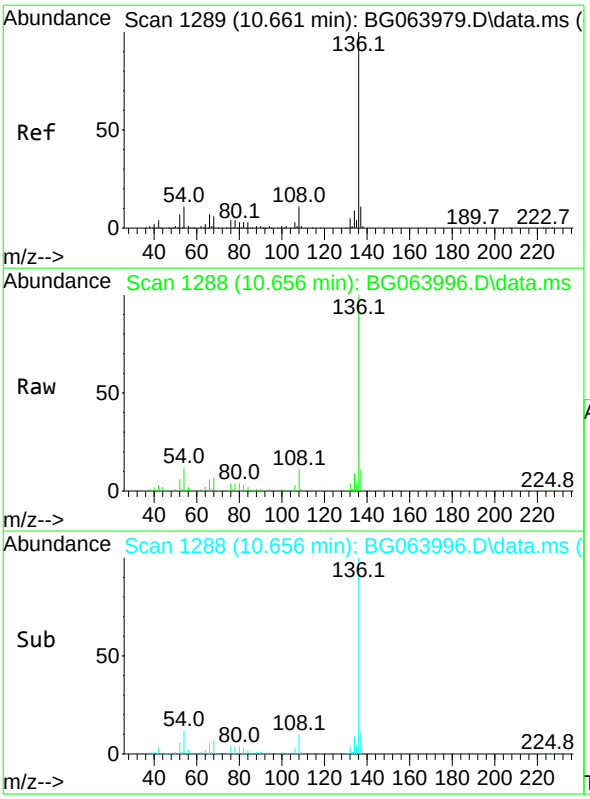


#20
3+4-Methylphenols
Concen: 40.385 ng
RT: 8.629 min Scan# 943
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:107 Resp: 198882

Ion	Ratio	Lower	Upper
107	100		
108	86.4	70.0	110.0
77	34.4	15.2	55.2
79	27.9	9.1	49.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 12
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

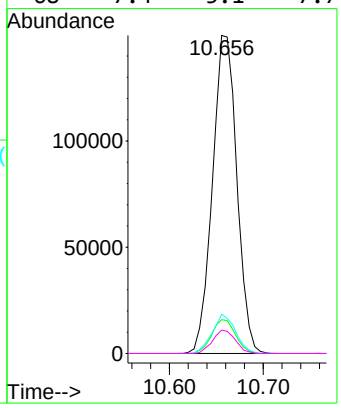
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

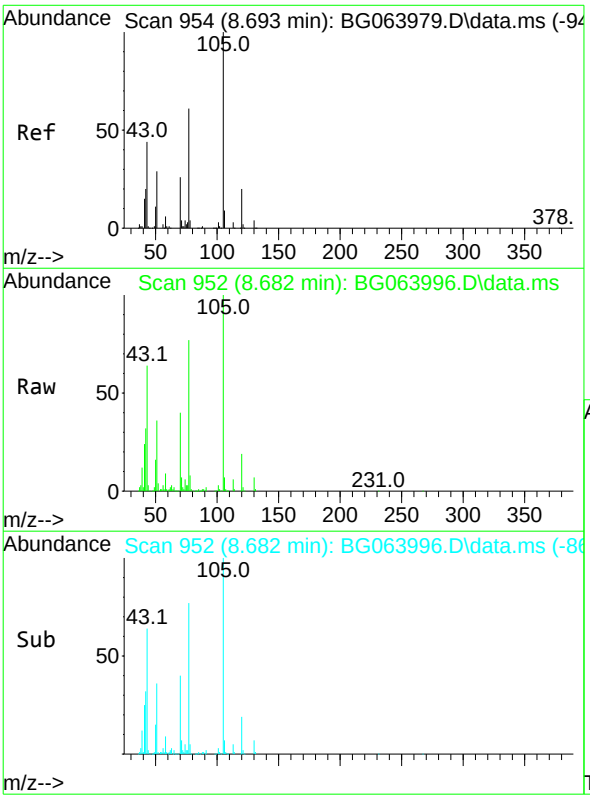
Tgt Ion:136 Resp: 270173

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	12.4	9.2	13.8
68	7.4	5.1	7.7

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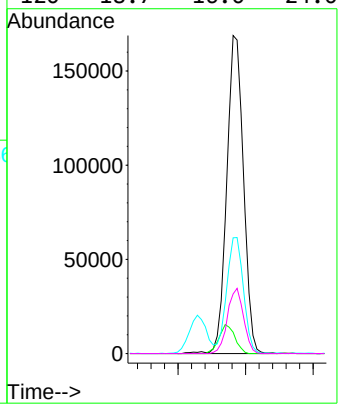


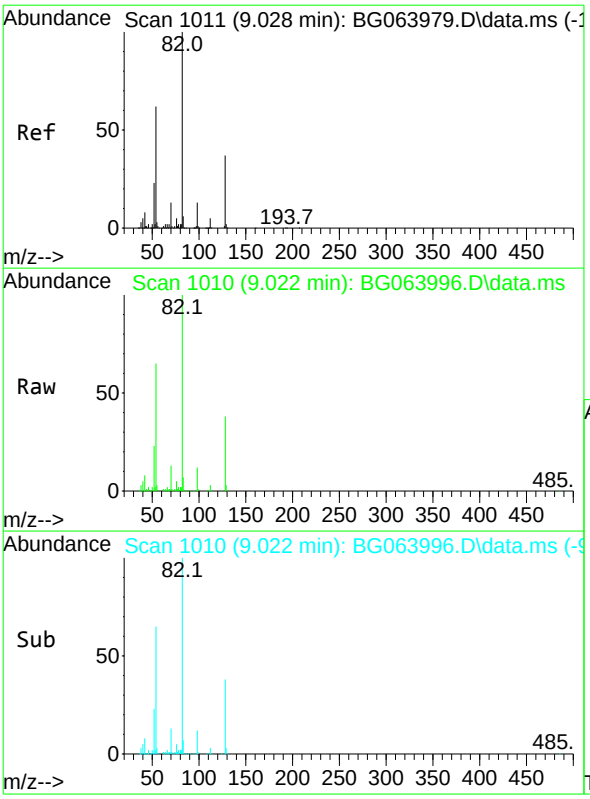


#22
Acetophenone
Concen: 39.136 ng
RT: 8.682 min Scan# 952
Delta R.T. -0.011 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:105 Resp: 290511

Ion	Ratio	Lower	Upper
105	100		
71	6.7	3.1	4.7#
51	36.4	29.9	44.9
120	18.7	16.0	24.0





#23
Nitrobenzene-d5
Concen: 90.524 ng
RT: 9.022 min Scan# 10
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

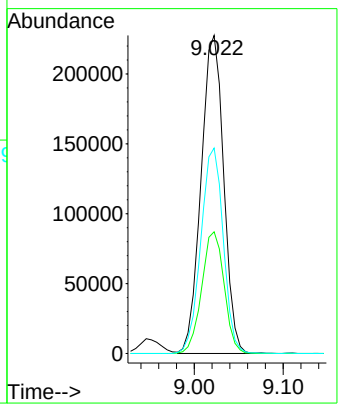
Tgt Ion: 82 Resp: 402420

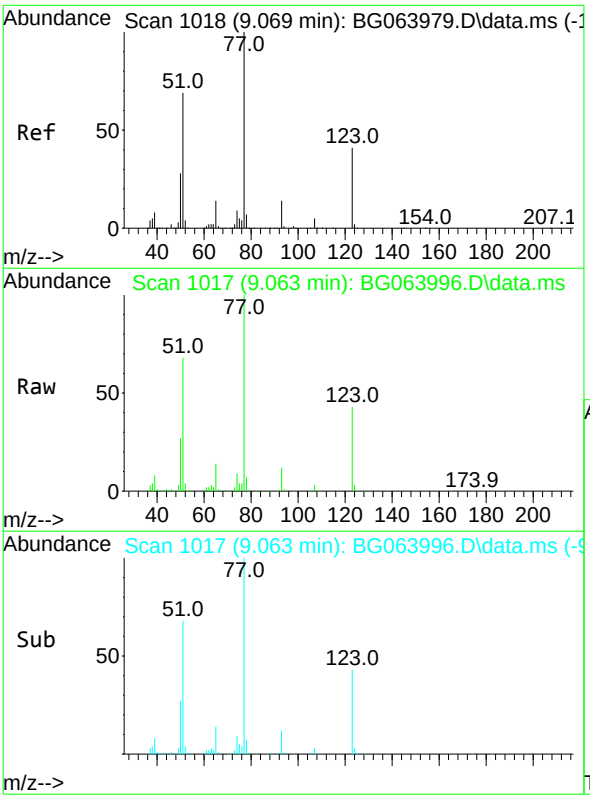
Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.4	44.2
54	64.6	49.9	74.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

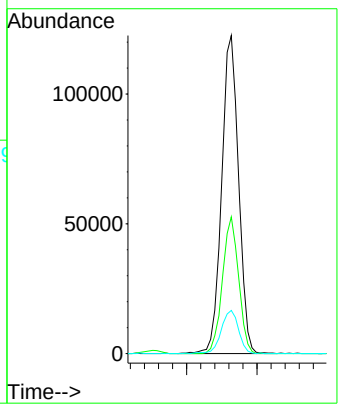


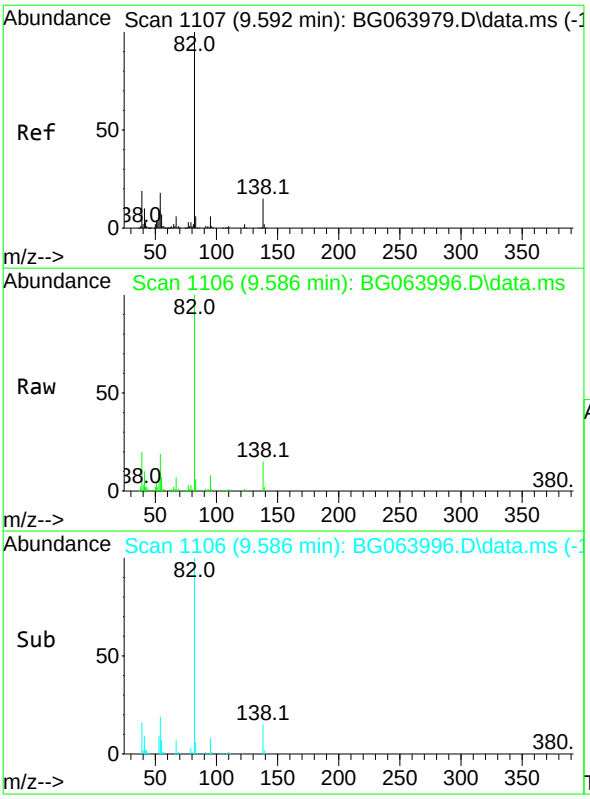


#24
Nitrobenzene
Concen: 40.482 ng
RT: 9.063 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 77 Resp: 204677

Ion	Ratio	Lower	Upper
77	100		
123	43.0	32.9	49.3
65	13.6	11.0	16.6





#25
Isophorone
Concen: 39.672 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

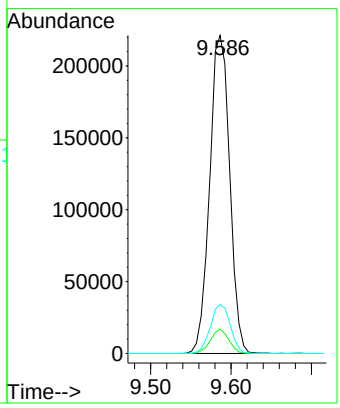
Tgt Ion: 82 Resp: 382310

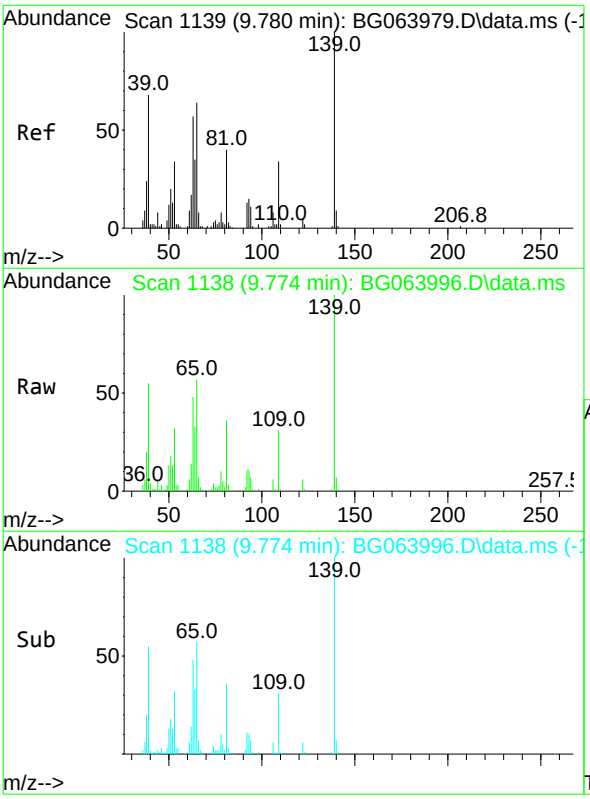
Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.0	7.4#
138	15.4	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

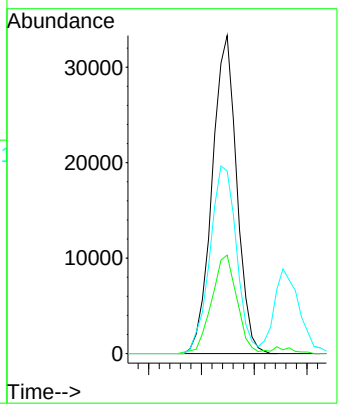


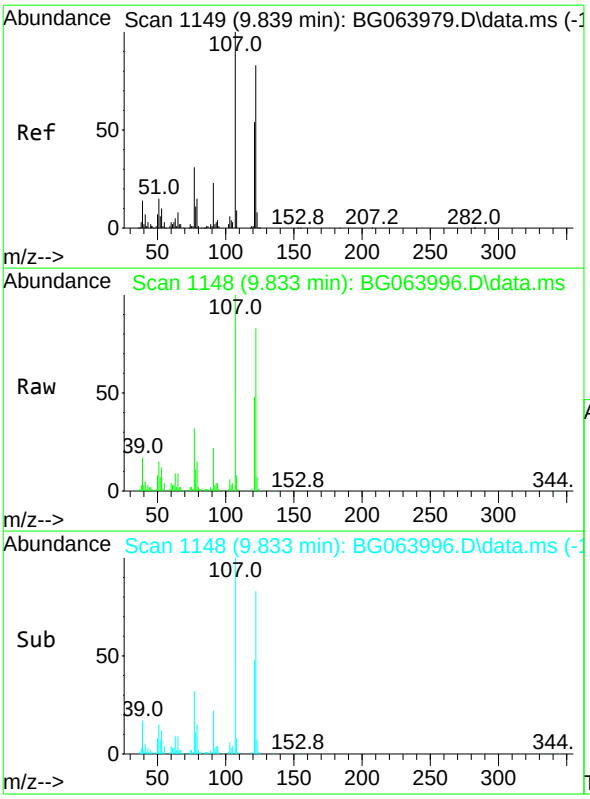


#26
2-Nitrophenol
Concen: 46.454 ng
RT: 9.774 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:139 Resp: 53933

Ion	Ratio	Lower	Upper
139	100		
109	30.9	27.1	40.7
65	57.4	51.0	76.6





#27
2,4-Dimethylphenol
Concen: 42.309 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

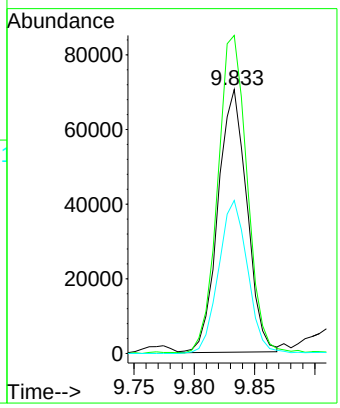
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

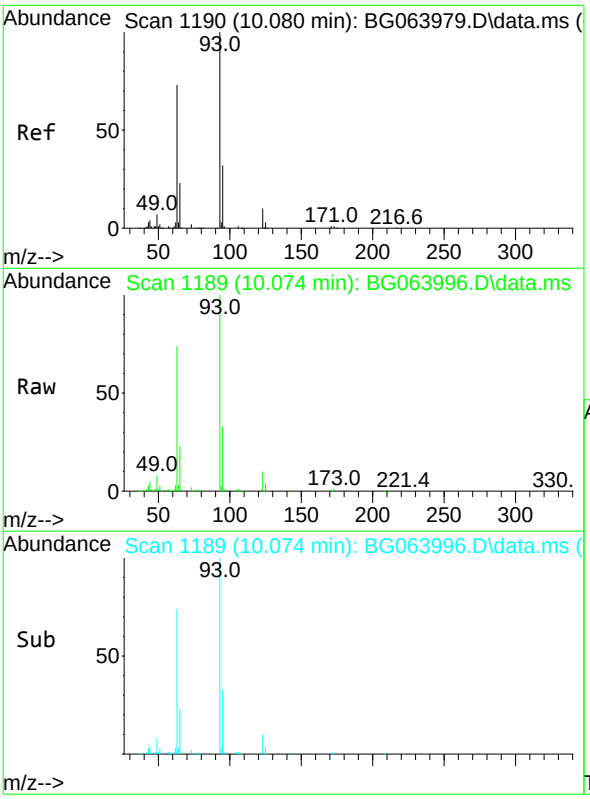
Tgt Ion:122 Resp: 117284

Ion	Ratio	Lower	Upper
122	100		
107	120.5	96.4	144.6
121	58.0	51.8	77.6

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Supervised By :mohammad ahmed 02/06/2025

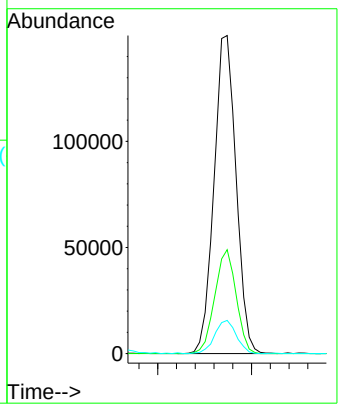


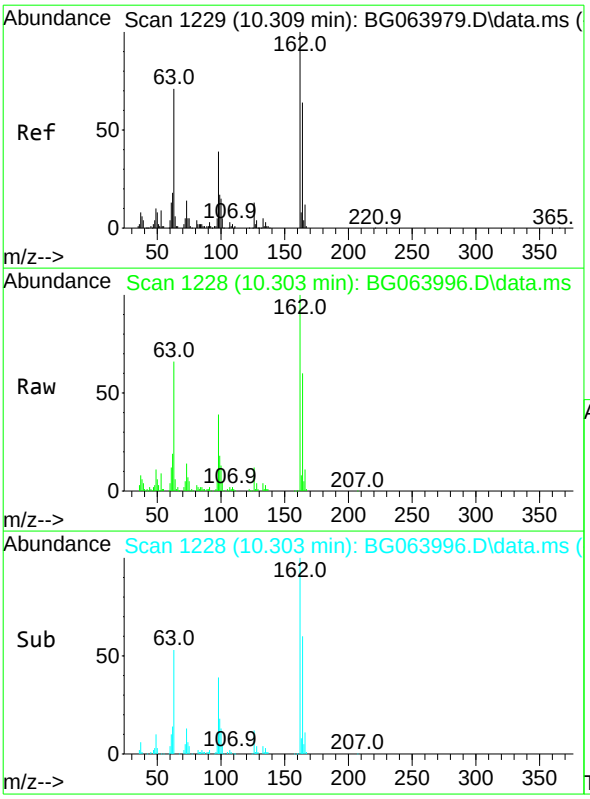


#28
bis(2-Chloroethoxy)methane
Concen: 39.884 ng
RT: 10.074 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 93 Resp: 244566

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	10.4	7.8	11.6





#29
2,4-Dichlorophenol
Concen: 39.917 ng
RT: 10.303 min Scan# 12
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

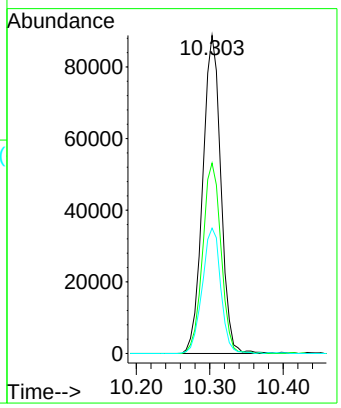
Tgt Ion:162 Resp: 152063

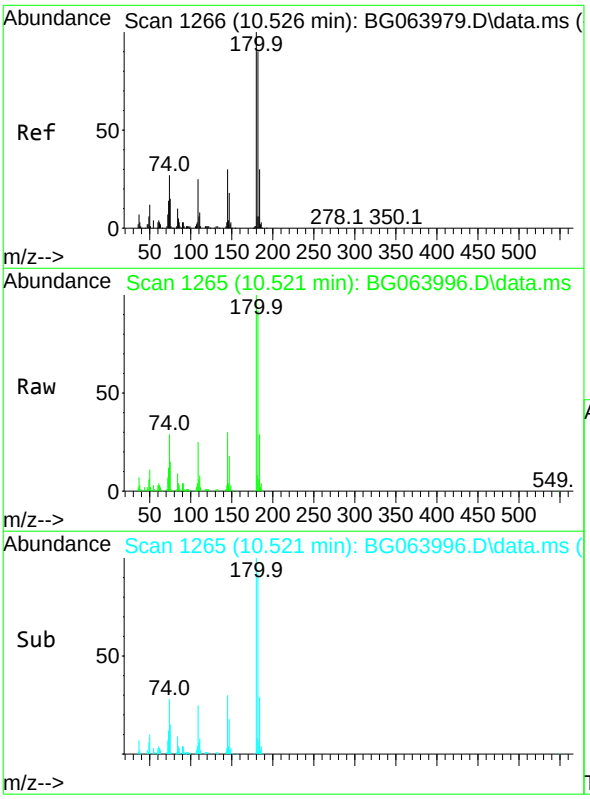
Ion	Ratio	Lower	Upper
162	100		
164	59.9	43.6	83.6
98	39.4	18.6	58.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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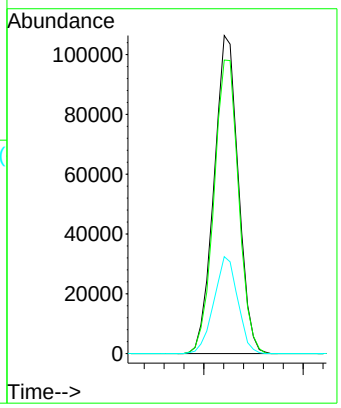


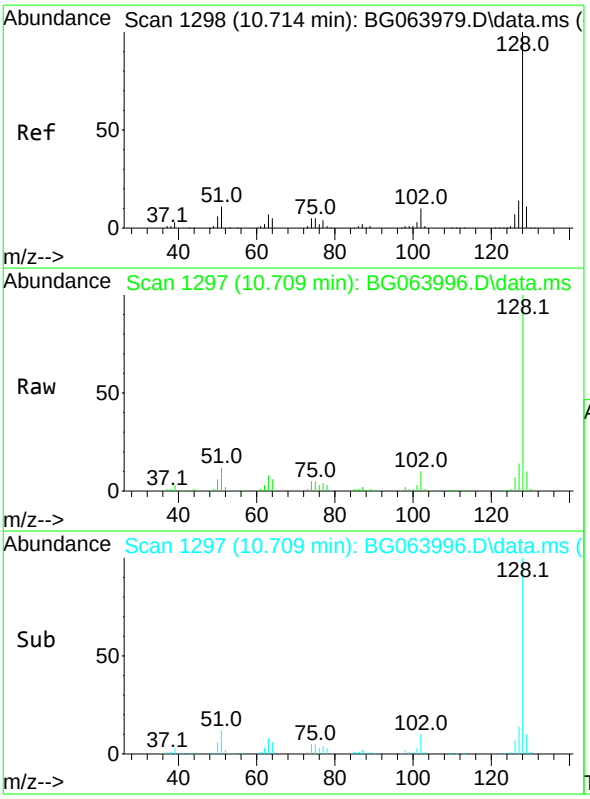


#30
1,2,4-Trichlorobenzene
Concen: 39.696 ng
RT: 10.521 min Scan# 1265
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:180 Resp: 180787

Ion	Ratio	Lower	Upper
180	100		
182	92.3	72.3	108.5
145	30.5	23.8	35.8





#31
Naphthalene
Concen: 39.330 ng
RT: 10.709 min Scan# 12
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

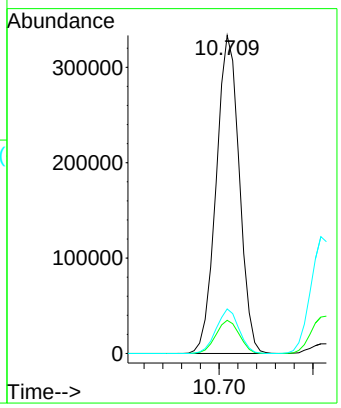
Tgt Ion:128 Resp: 569687

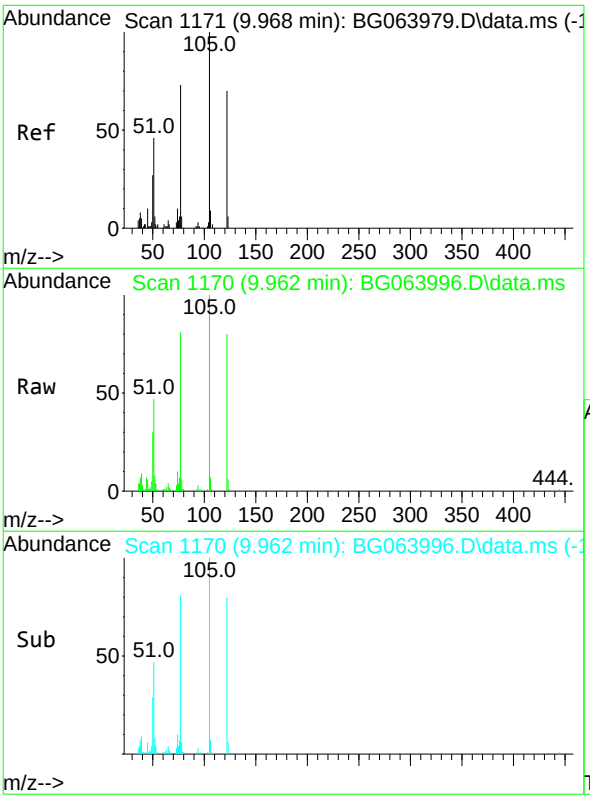
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.0	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

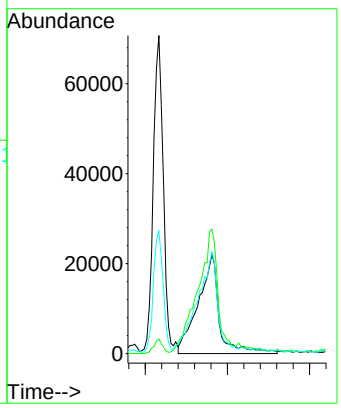


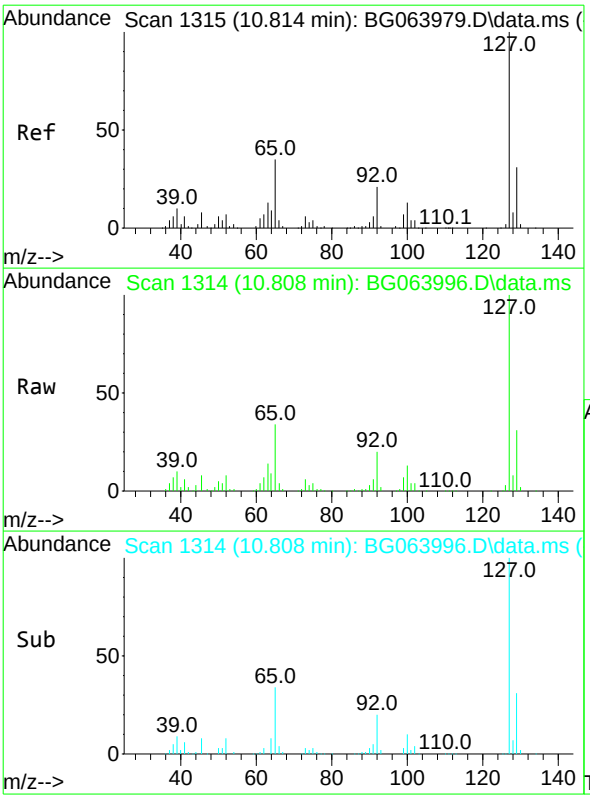


#32
Benzoic acid
Concen: 44.581 ng m
RT: 9.962 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:122 Resp: 78296

Ion	Ratio	Lower	Upper
122	100		
105	125.4	117.9	157.9
77	102.1	83.9	123.9





#33
4-Chloroaniline
Concen: 39.481 ng
RT: 10.808 min Scan# 13
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

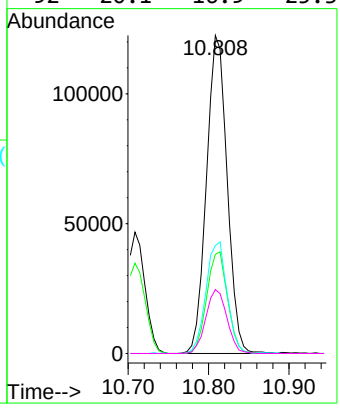
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ClientSampleId :
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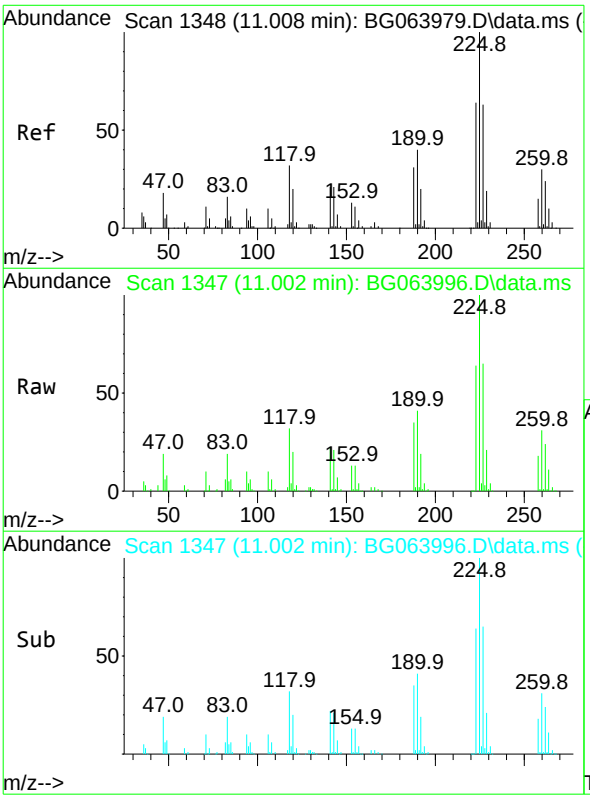
Tgt Ion:127 Resp: 219112

Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.9	37.3
65	33.9	28.2	42.4
92	20.1	16.9	25.3

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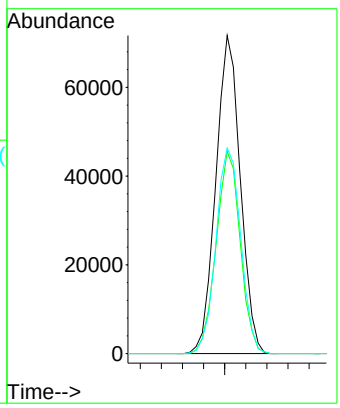


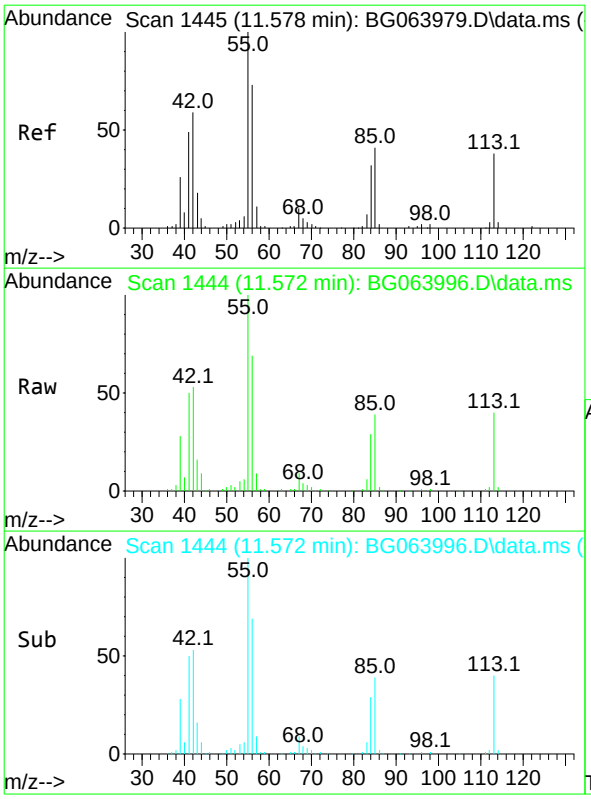


#34
Hexachlorobutadiene
Concen: 39.798 ng
RT: 11.002 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:225 Resp: 115425

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.6
227	64.6	50.3	75.5





#35
Caprolactam
Concen: 38.534 ng
RT: 11.572 min Scan# 14
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

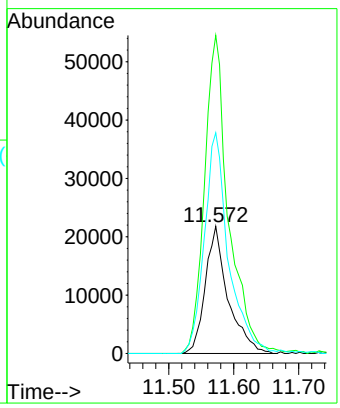
Instrument :
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ClientSampleId :
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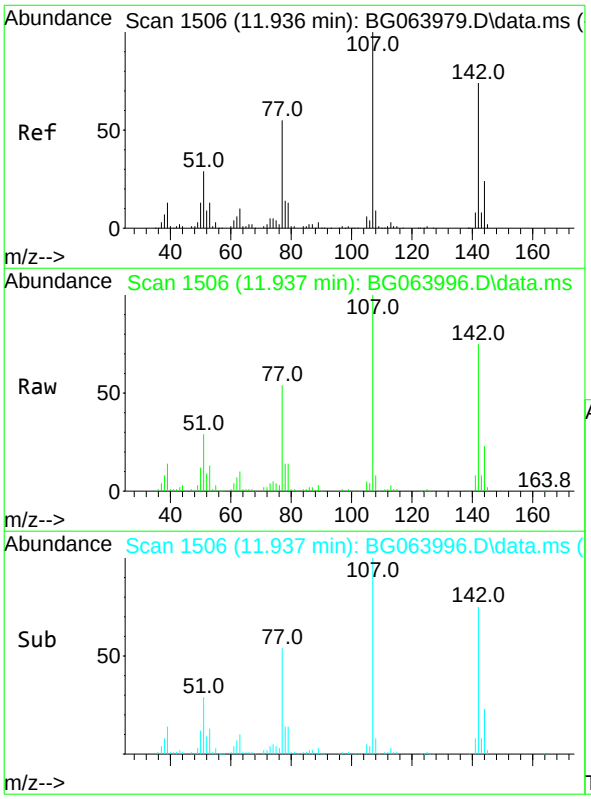
Tgt Ion:113 Resp: 52960

Ion	Ratio	Lower	Upper
113	100		
55	250.1	241.8	281.8
56	173.6	171.5	211.5

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Supervised By :mohammad ahmed 02/06/2025

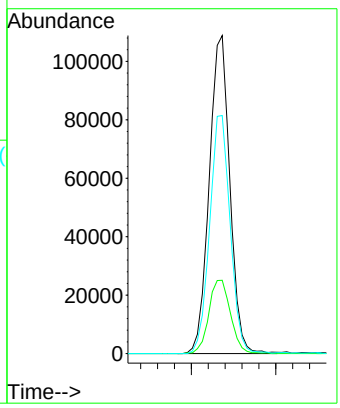


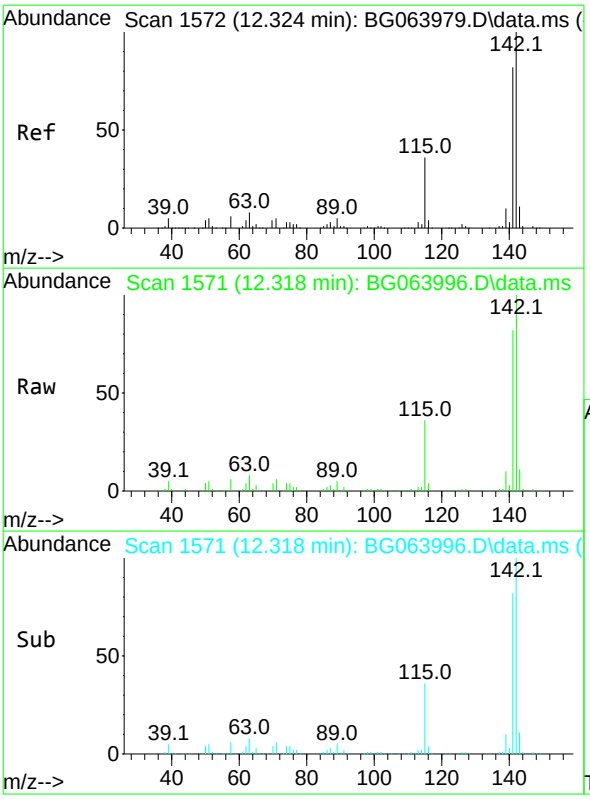


#36
4-Chloro-3-methylphenol
Concen: 41.579 ng
RT: 11.937 min Scan# 1506
Delta R.T. 0.001 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:107 Resp: 184491

Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.2	28.8
142	74.8	58.9	88.3

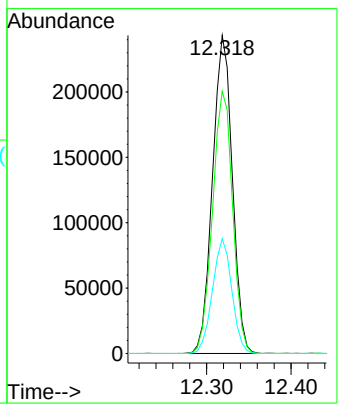




#37
2-Methylnaphthalene
Concen: 39.211 ng
RT: 12.318 min Scan# 15
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:142 Resp: 395799

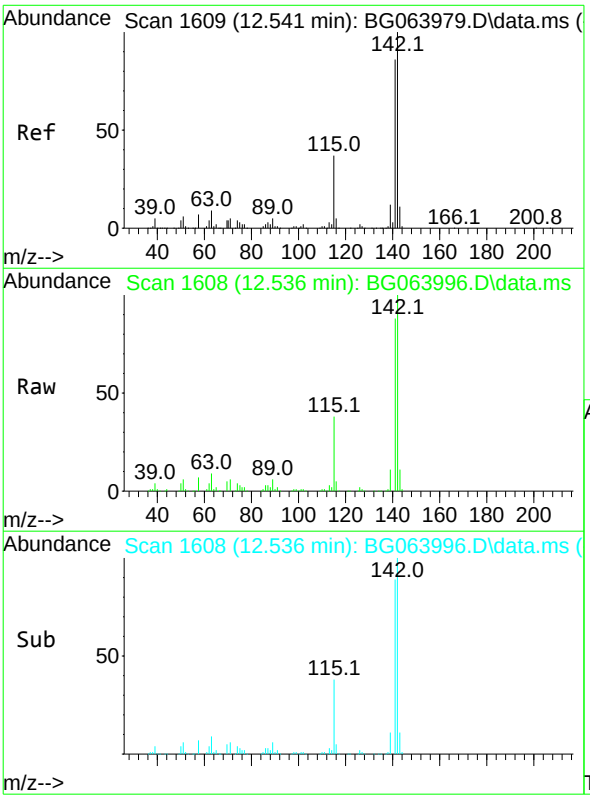
Ion	Ratio	Lower	Upper
142	100		
141	82.5	65.8	98.8
115	36.1	28.9	43.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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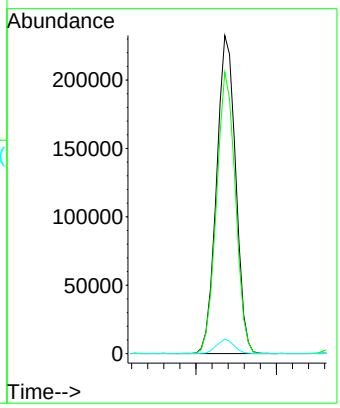
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

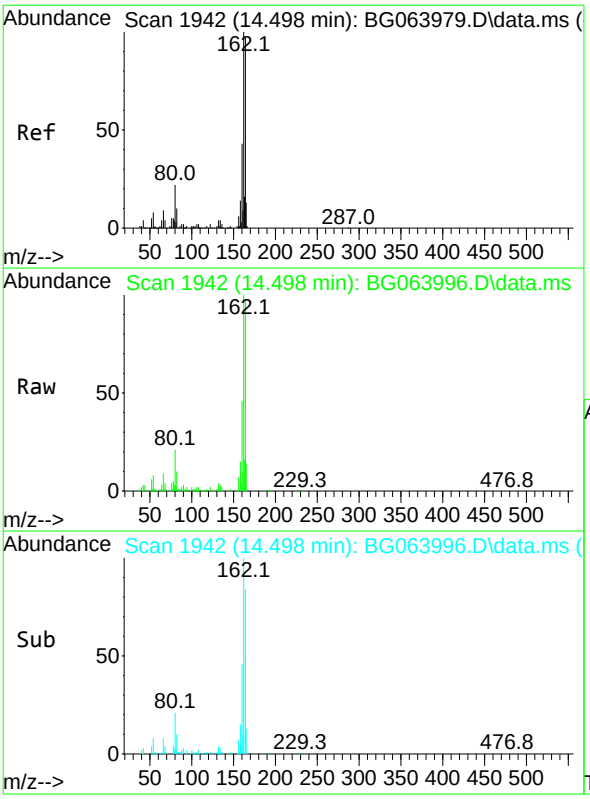


#38
1-Methylnaphthalene
Concen: 38.390 ng
RT: 12.536 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:142 Resp: 383426

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.2	103.8
116	4.6	3.6	5.4

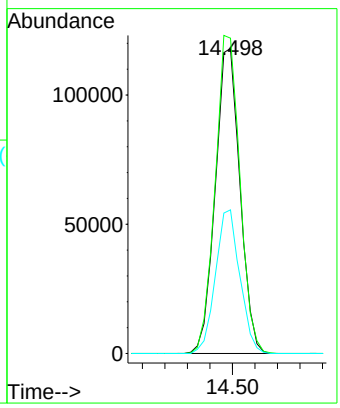




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:164 Resp: 179556

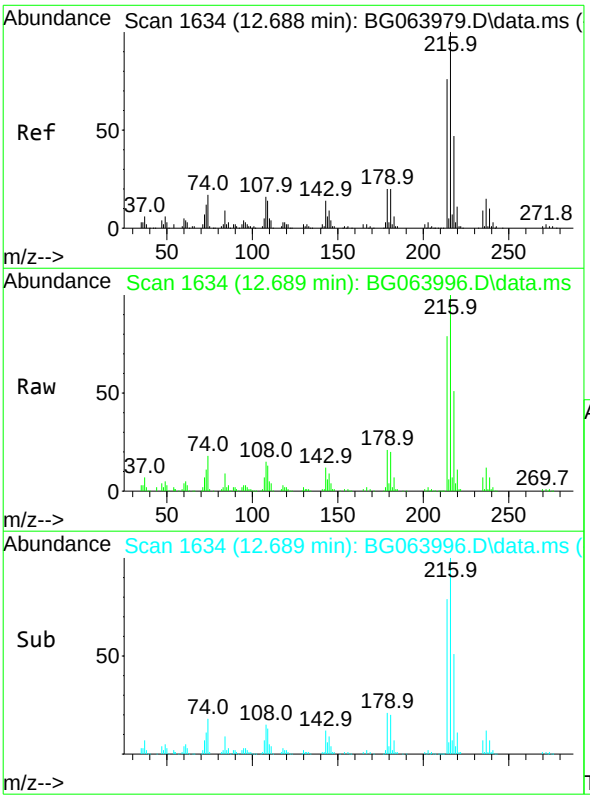
Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.3	123.5
160	47.1	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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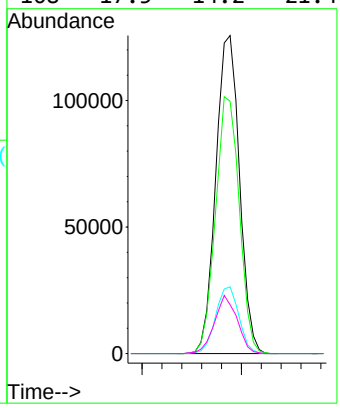
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

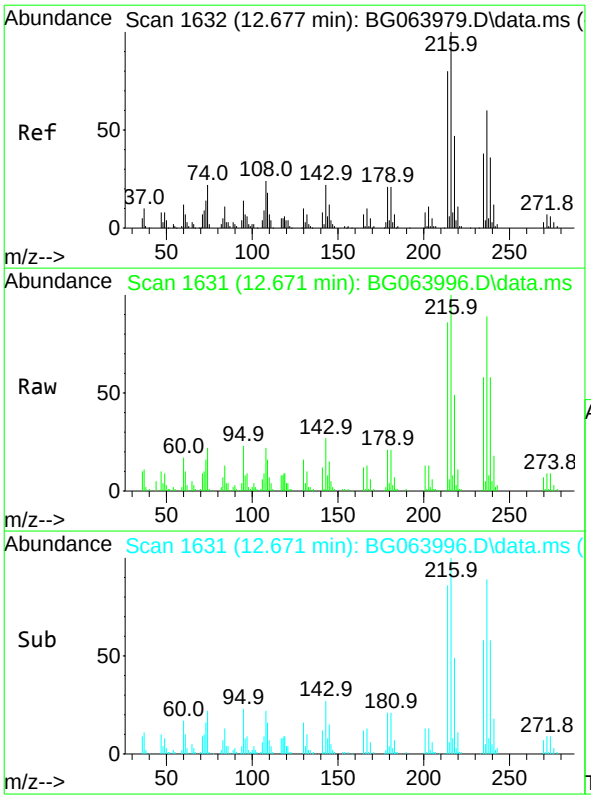


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.329 ng
RT: 12.689 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:216 Resp: 208246

Ion	Ratio	Lower	Upper
216	100		
214	80.9	62.9	94.3
179	20.7	16.6	25.0
108	17.5	14.2	21.4





#41
Hexachlorocyclopentadiene
Concen: 47.032 ng
RT: 12.671 min Scan# 16
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

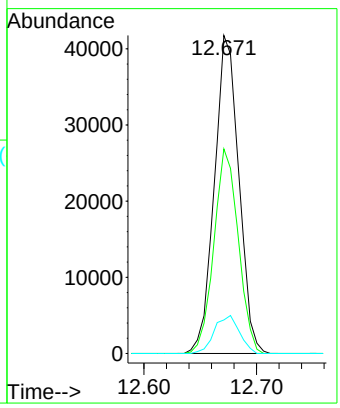
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BNA_G
ClientSampleId :
SSTDCCC040

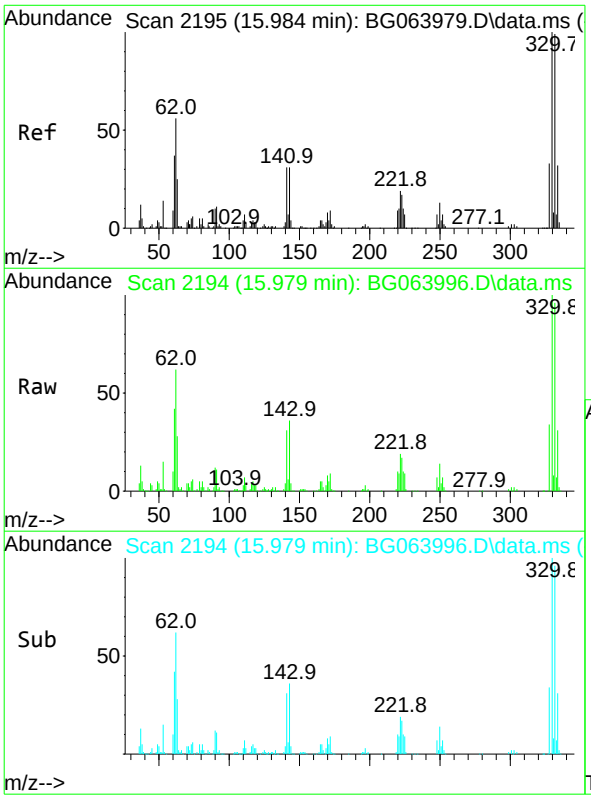
Tgt Ion:237 Resp: 63029

Ion	Ratio	Lower	Upper
237	100		
235	64.3	43.8	83.8
272	10.5	0.0	32.3

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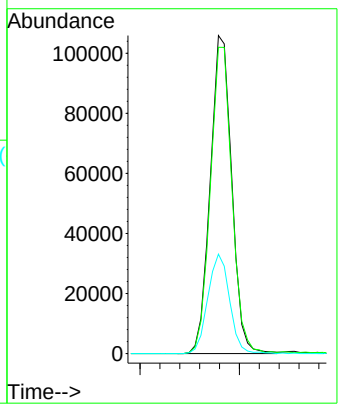


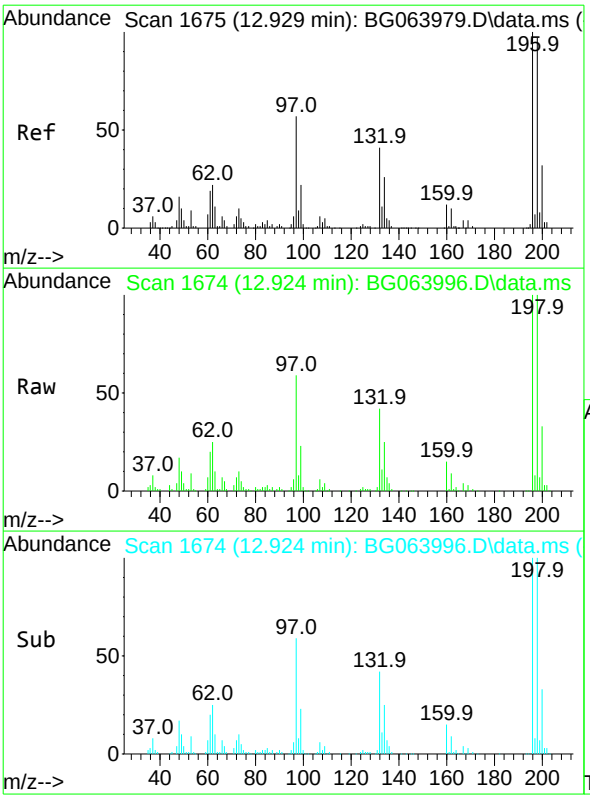


#42
2,4,6-Tribromophenol
Concen: 82.949 ng
RT: 15.979 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:330 Resp: 159054

Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.0	118.6
141	31.5	27.2	40.8





#43
2,4,6-Trichlorophenol
Concen: 40.290 ng
RT: 12.924 min Scan# 16
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

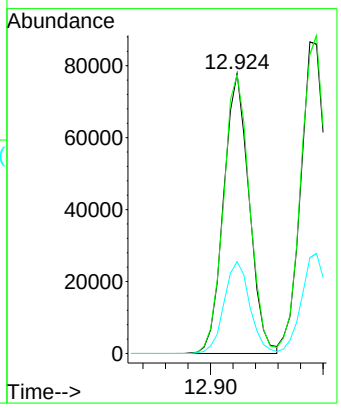
Tgt Ion:196 Resp: 122684

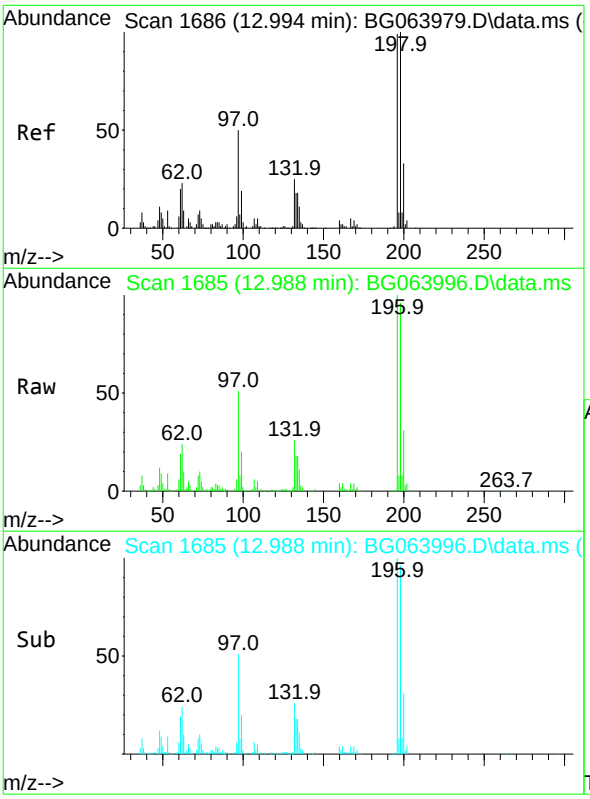
Ion	Ratio	Lower	Upper
196	100		
198	99.6	77.9	116.9
200	32.8	25.5	38.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

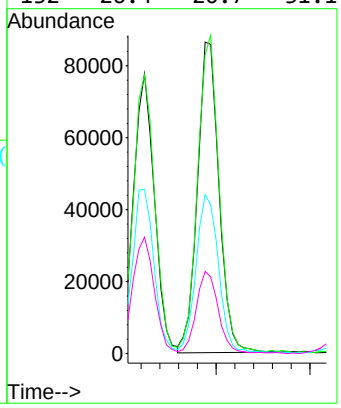


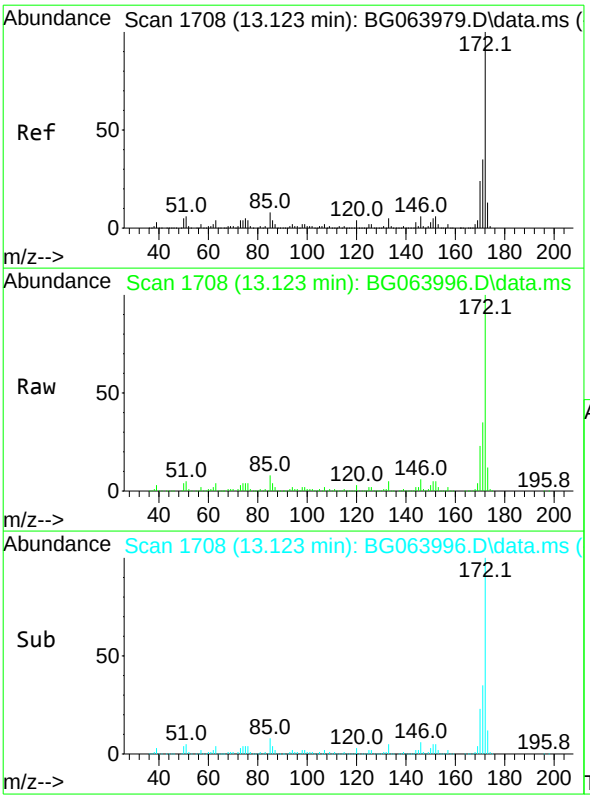


#44
2,4,5-Trichlorophenol
Concen: 40.231 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:196 Resp: 138412

Ion	Ratio	Lower	Upper
196	100		
198	95.9	81.1	121.7
97	51.0	41.2	61.8
132	26.4	20.7	31.1





#45
2-Fluorobiphenyl
Concen: 79.349 ng
RT: 13.123 min Scan# 17
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

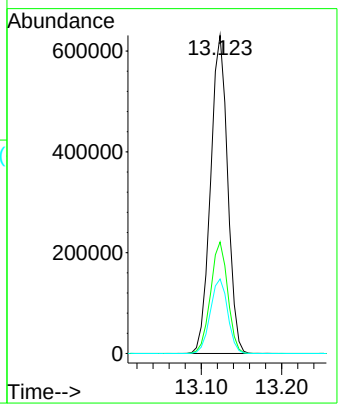
Tgt Ion:172 Resp: 929920

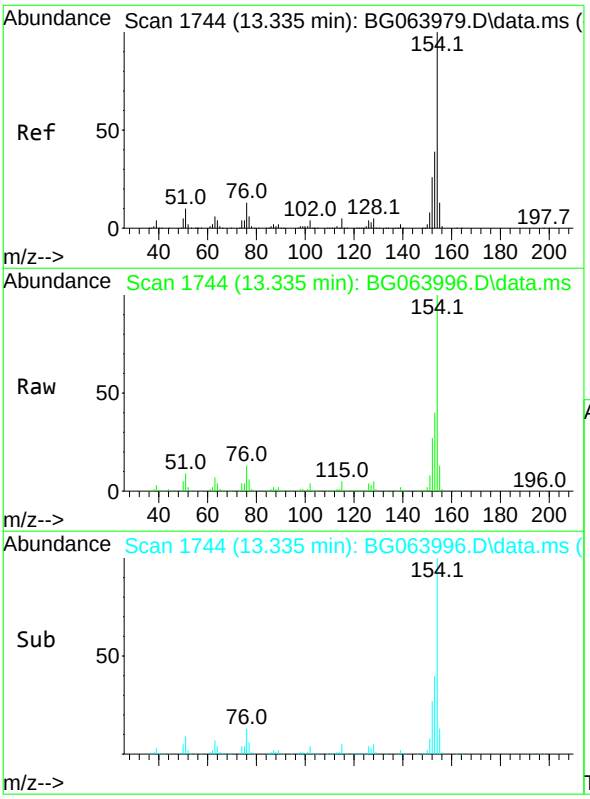
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.4	19.4	29.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

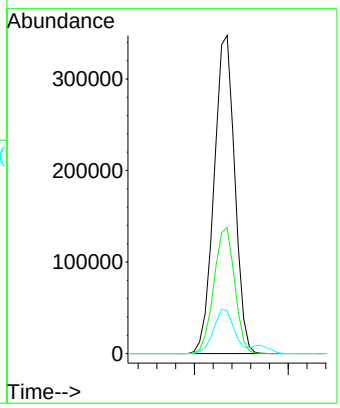


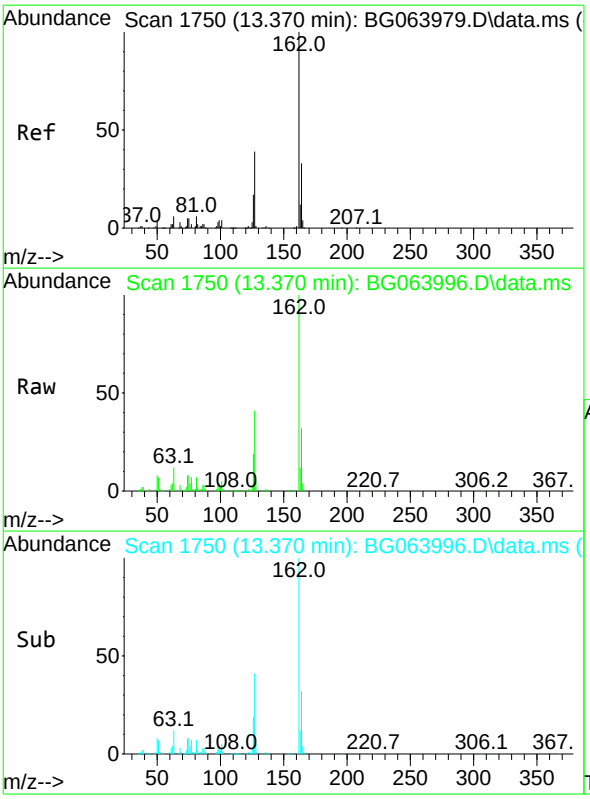


#46
1,1'-Biphenyl
Concen: 38.855 ng
RT: 13.335 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:154 Resp: 531178

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	13.5	0.0	33.3





#47
2-Chloronaphthalene
Concen: 39.148 ng
RT: 13.370 min Scan# 17
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

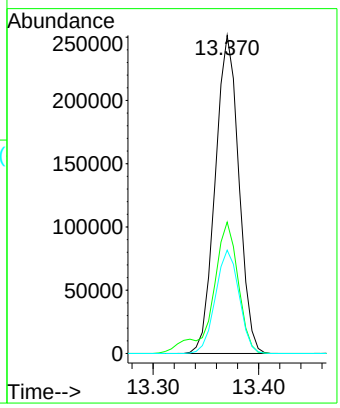
Tgt Ion:162 Resp: 390083

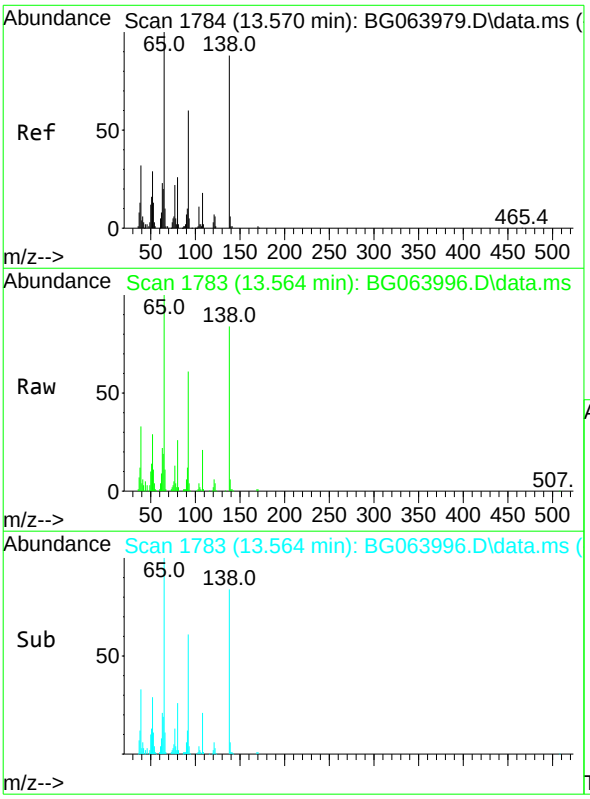
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	32.5	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

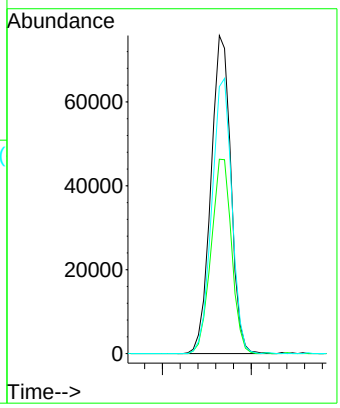


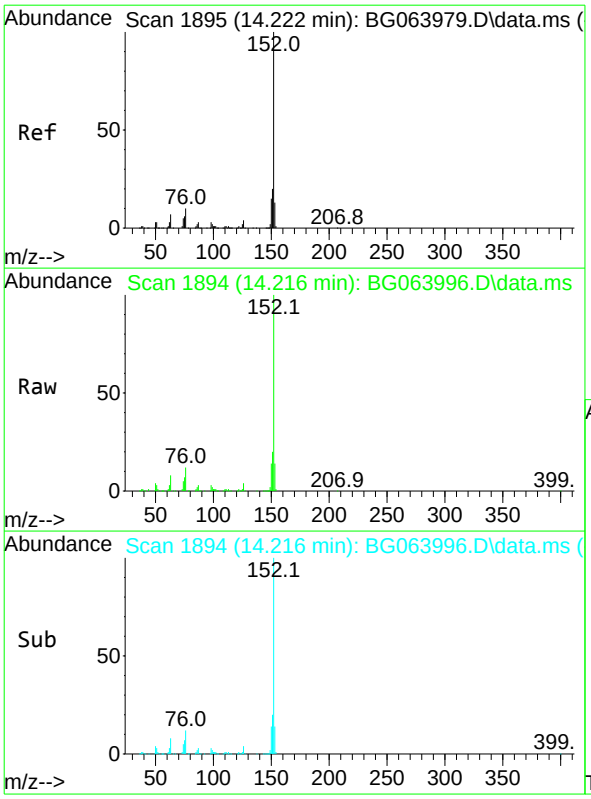


#48
2-Nitroaniline
Concen: 44.802 ng
RT: 13.564 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion: 65 Resp: 118360

Ion	Ratio	Lower	Upper
65	100		
92	61.1	47.6	71.4
138	83.9	70.6	106.0





#49
Acenaphthylene
Concen: 39.522 ng
RT: 14.216 min Scan# 18
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

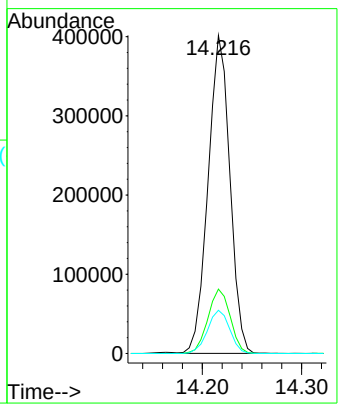
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

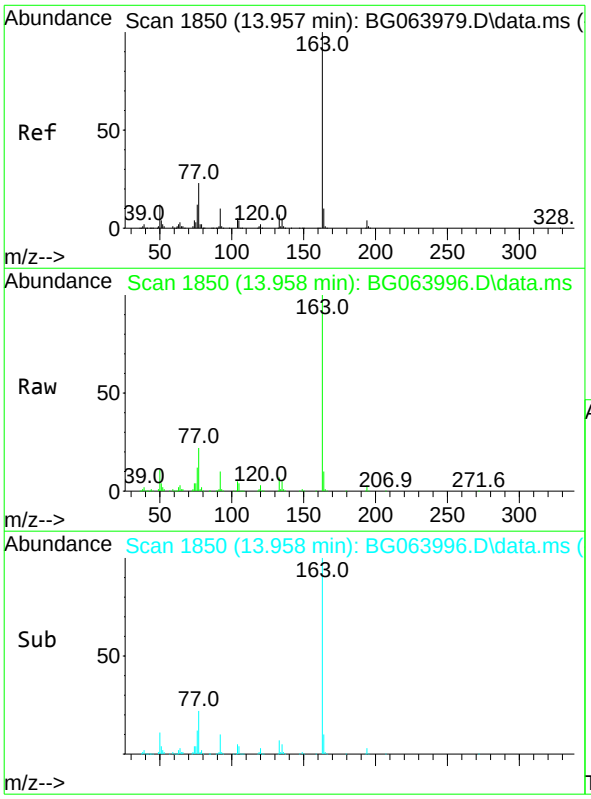
Tgt Ion:152 Resp: 611689

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.6	10.3	15.5

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Supervised By :mohammad ahmed 02/06/2025

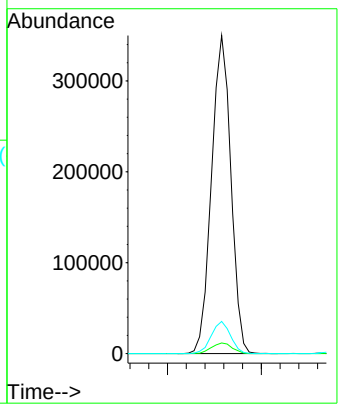


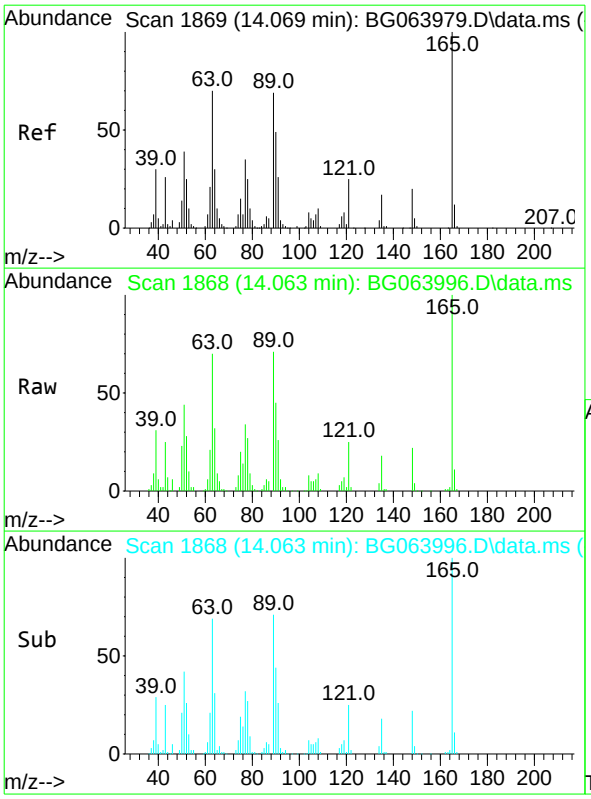


#50
Dimethylphthalate
Concen: 42.138 ng
RT: 13.958 min Scan# 1850
Delta R.T. 0.001 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:163 Resp: 501666

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 43.440 ng
RT: 14.063 min Scan# 18
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

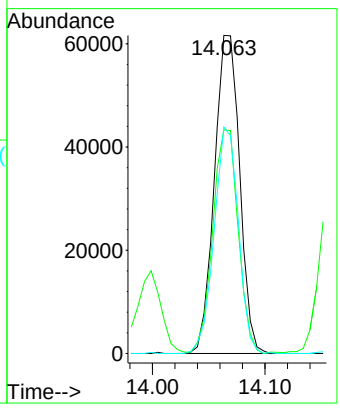
Tgt Ion:165 Resp: 95990

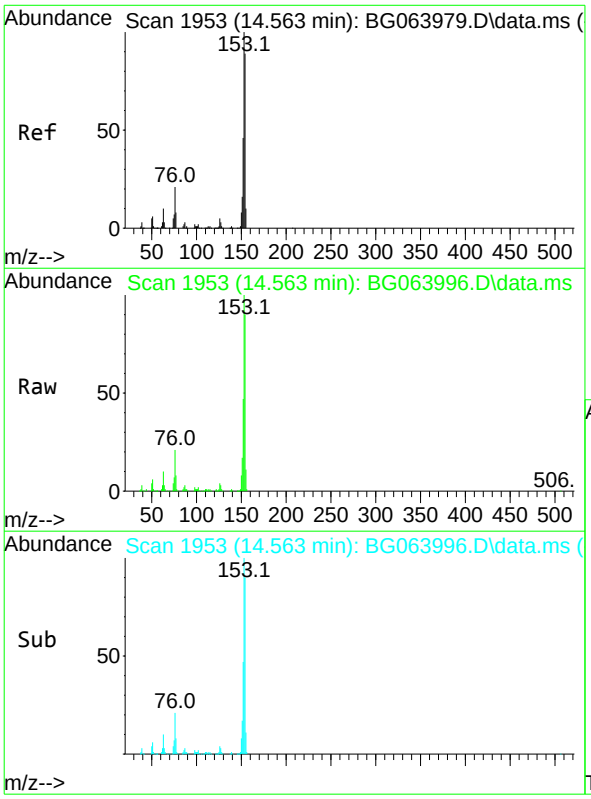
Ion	Ratio	Lower	Upper
165	100		
63	70.3	57.7	86.5
89	71.1	55.6	83.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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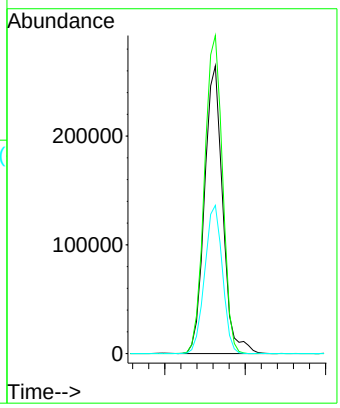


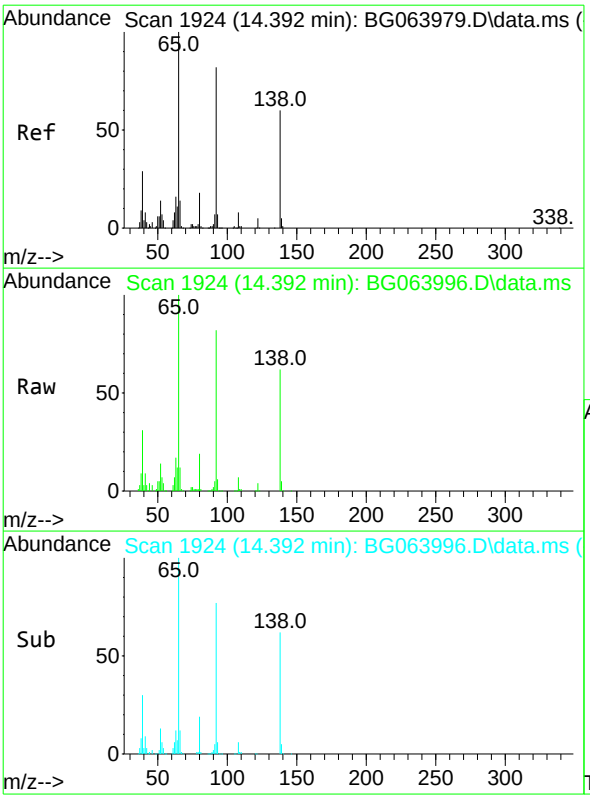


#52
Acenaphthene
Concen: 40.083 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:154 Resp: 416128

Ion	Ratio	Lower	Upper
154	100		
153	110.5	90.2	135.2
152	51.5	41.1	61.7





#53
3-Nitroaniline
Concen: 41.298 ng
RT: 14.392 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

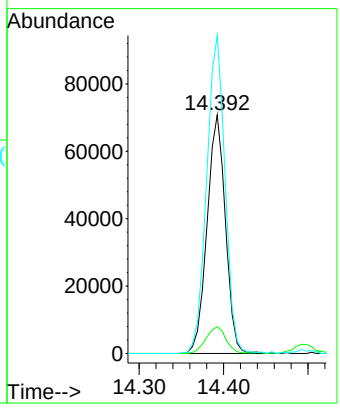
Tgt Ion:138 Resp: 106778

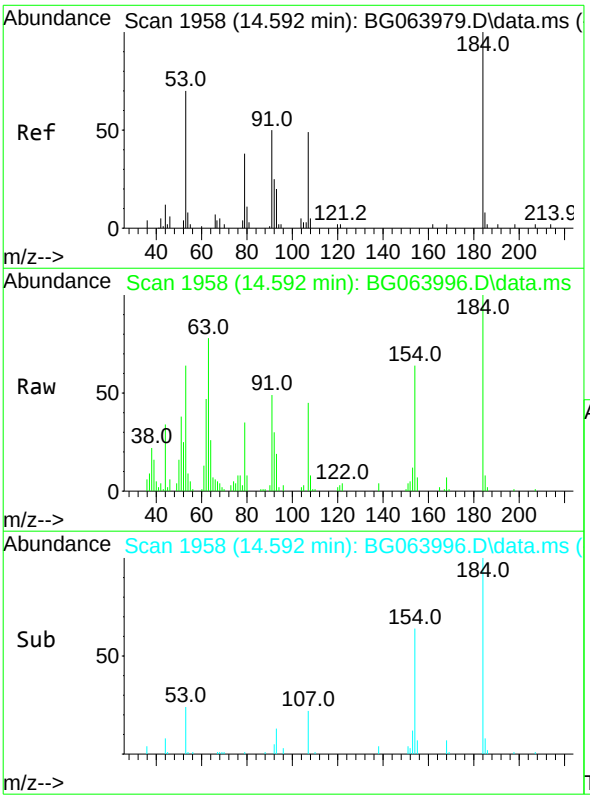
Ion	Ratio	Lower	Upper
138	100		
108	11.3	10.3	15.5
92	133.3	109.0	163.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 02/06/2025

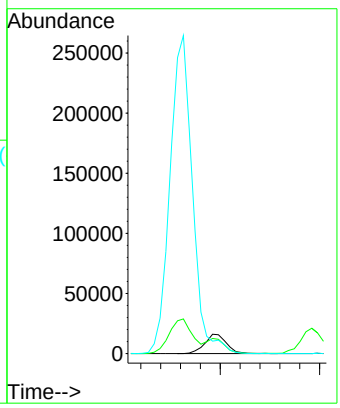


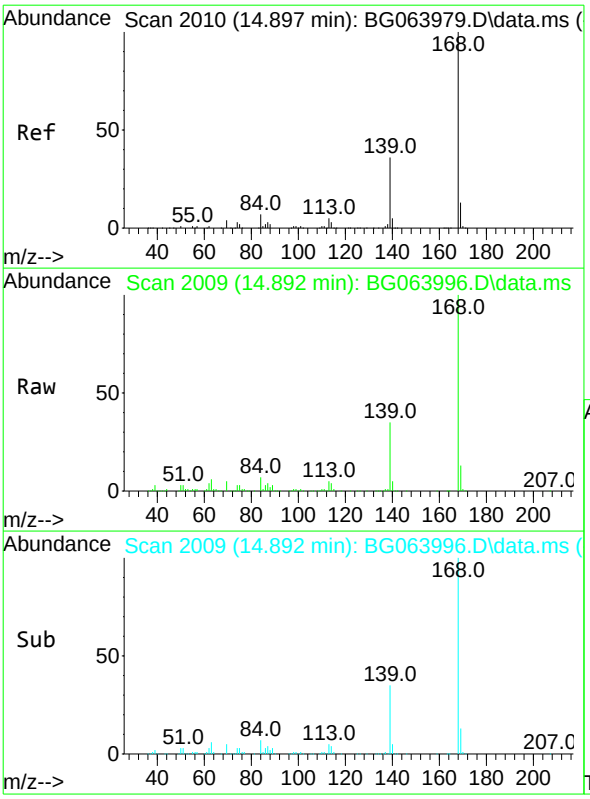


#54
2,4-Dinitrophenol
Concen: 45.690 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:184 Resp: 24425

Ion	Ratio	Lower	Upper
184	100		
63	78.2	67.3	100.9
154	64.4	65.9	98.9#





#55
Dibenzofuran
Concen: 39.112 ng
RT: 14.892 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

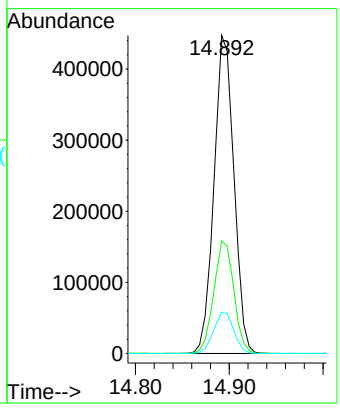
Tgt Ion:168 Resp: 659325

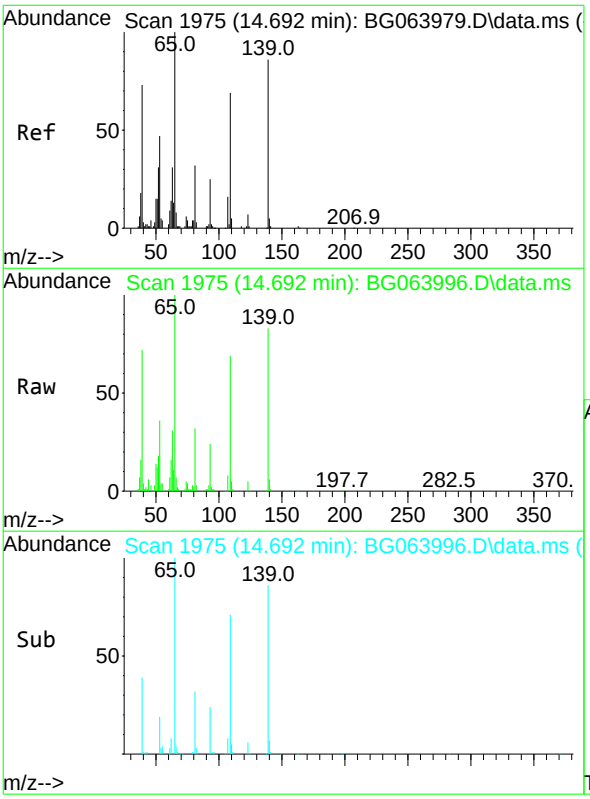
Ion	Ratio	Lower	Upper
168	100		
139	35.4	28.6	43.0
169	13.0	10.6	16.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

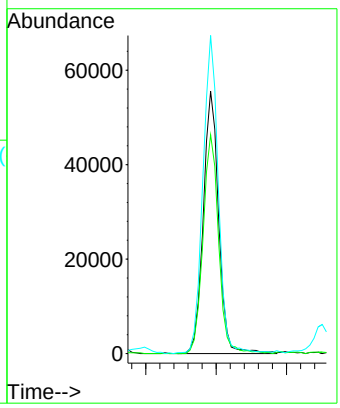


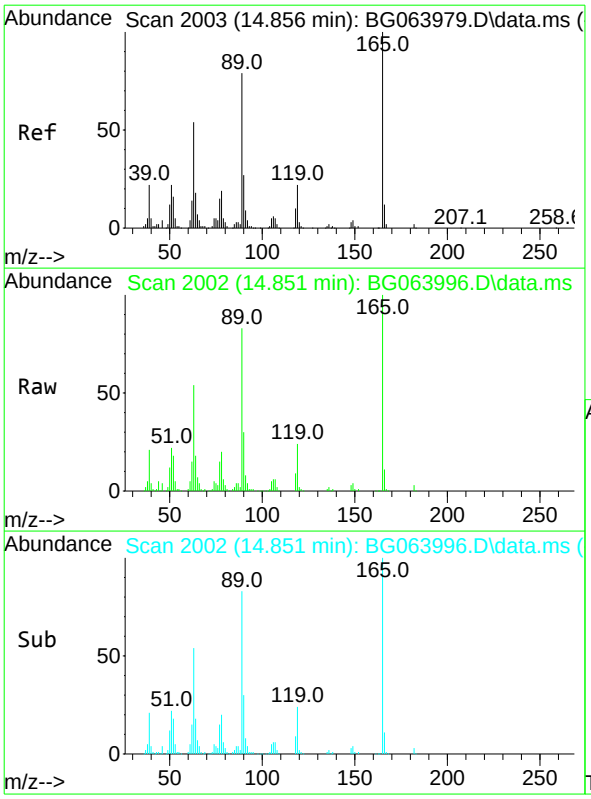


#56
4-Nitrophenol
Concen: 41.262 ng
RT: 14.692 min Scan# 1975
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:139 Resp: 84500

Ion	Ratio	Lower	Upper
139	100		
109	83.4	60.1	100.1
65	121.2	96.2	136.2

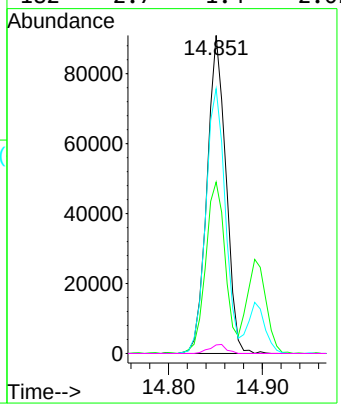




#57
2,4-Dinitrotoluene
Concen: 44.176 ng
RT: 14.851 min Scan# 20
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:165 Resp: 127407

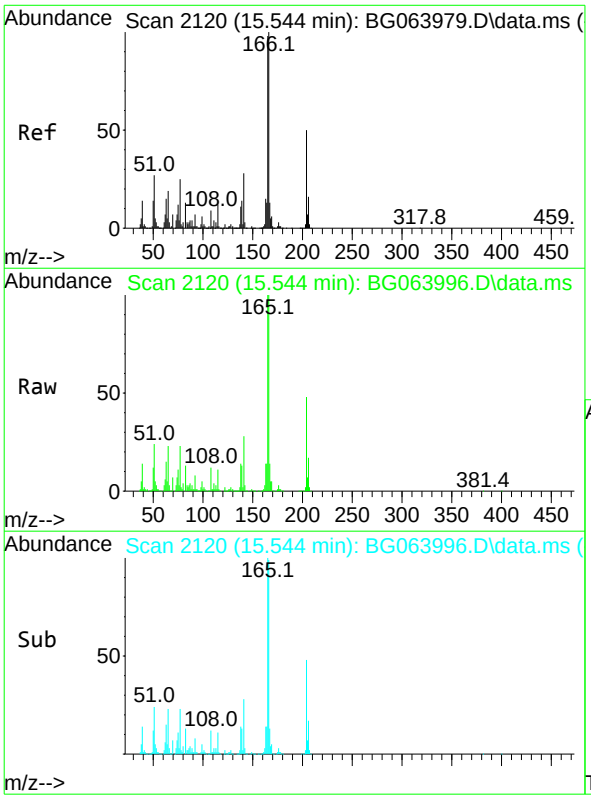
Ion	Ratio	Lower	Upper
165	100		
63	53.9	43.6	65.4
89	83.3	63.1	94.7
182	2.7	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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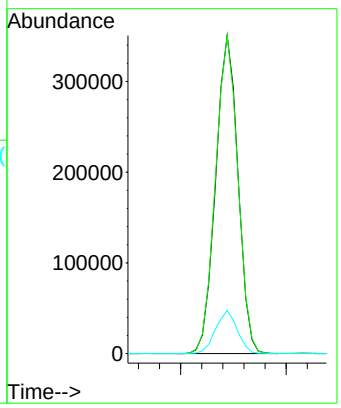
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

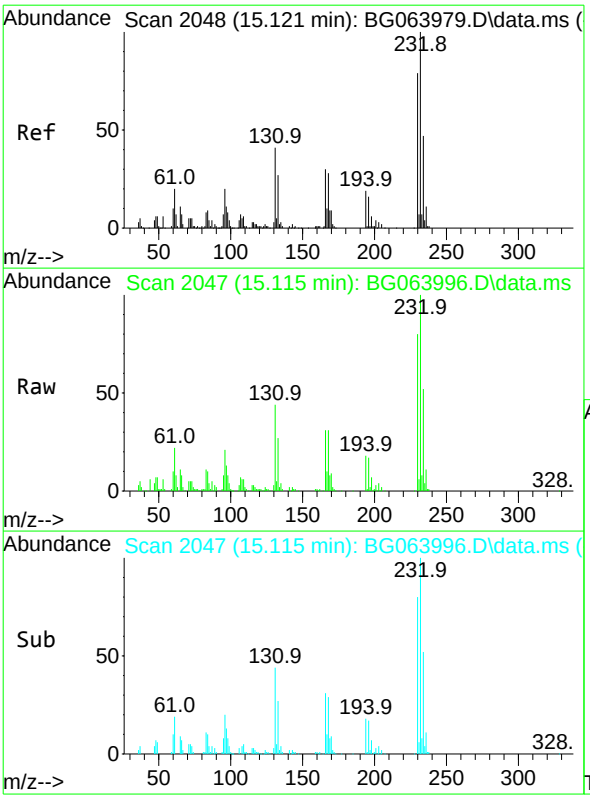


#58
Fluorene
Concen: 39.530 ng
RT: 15.544 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:166 Resp: 515042

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.7	118.1
167	13.6	10.1	15.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.818 ng
RT: 15.115 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

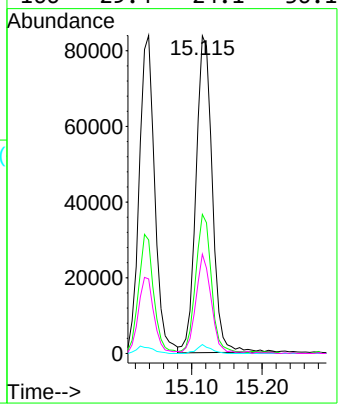
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

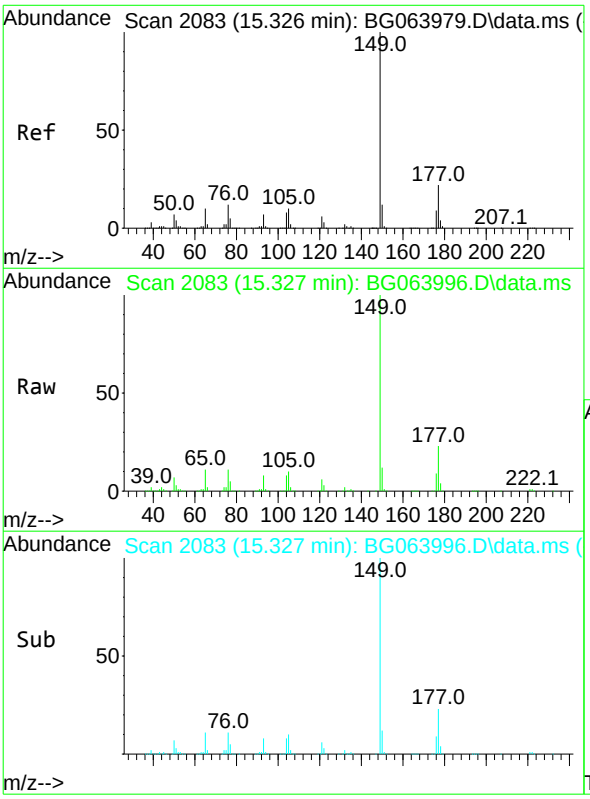
Tgt Ion:232 Resp: 134993

Ion	Ratio	Lower	Upper
232	100		
131	41.9	34.0	51.0
130	2.4	2.2	3.4
166	29.4	24.1	36.1

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Supervised By :mohammad ahmed 02/06/2025

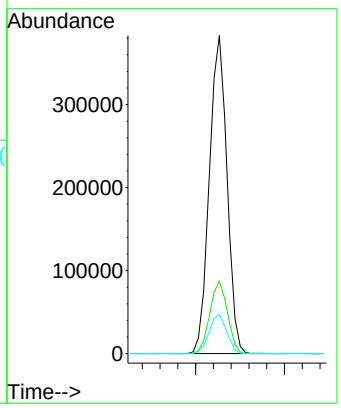


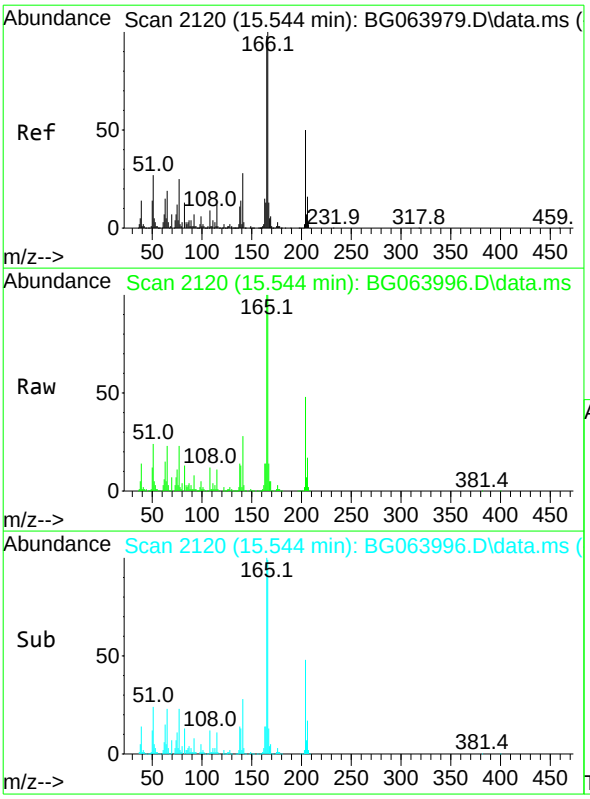


#60
Diethylphthalate
Concen: 41.818 ng
RT: 15.327 min Scan# 2083
Delta R.T. 0.001 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:149 Resp: 527849

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.0	27.0
150	12.3	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 39.328 ng
RT: 15.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

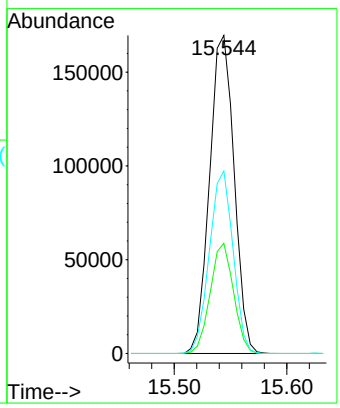
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

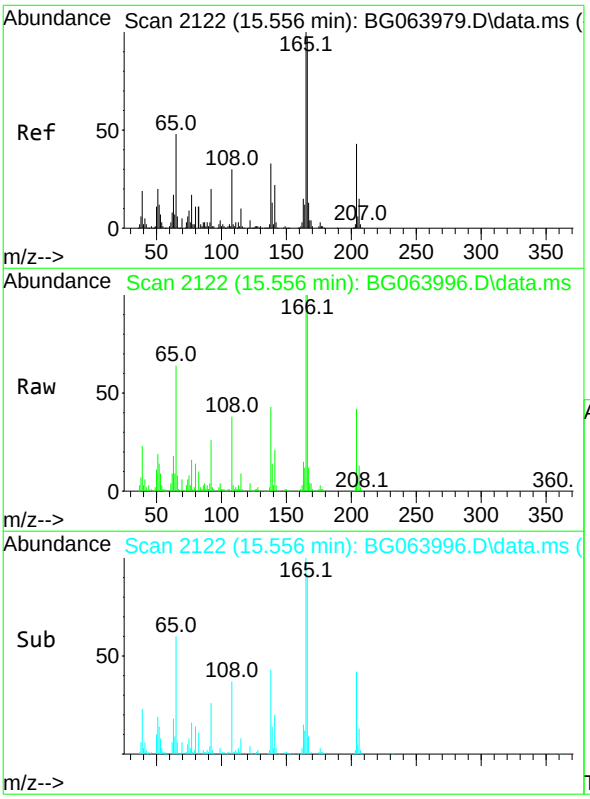
Tgt Ion:204 Resp: 257105

Ion	Ratio	Lower	Upper
204	100		
206	34.6	25.8	38.6
141	57.4	44.6	67.0

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

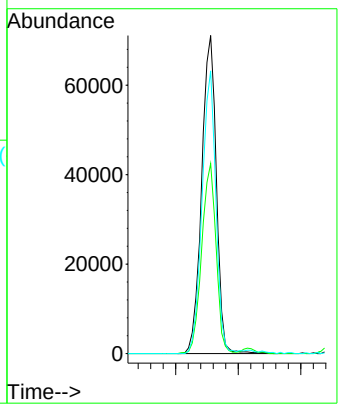


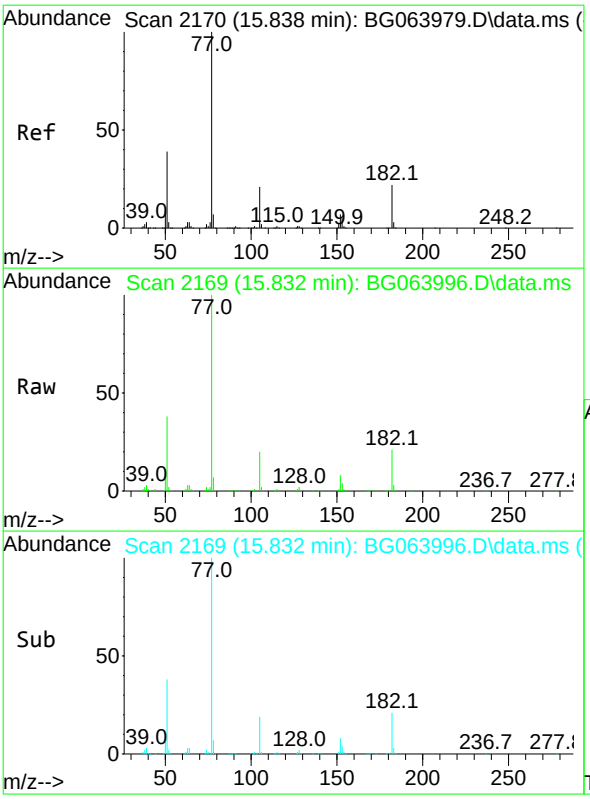


#62
4-Nitroaniline
Concen: 41.675 ng
RT: 15.556 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:138 Resp: 115775

Ion	Ratio	Lower	Upper
138	100		
92	59.7	40.3	80.3
108	88.9	69.3	109.3





#63
Azobenzene
Concen: 39.390 ng
RT: 15.832 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

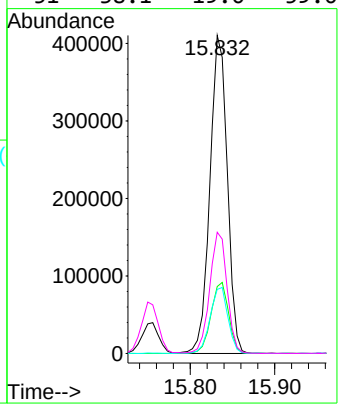
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

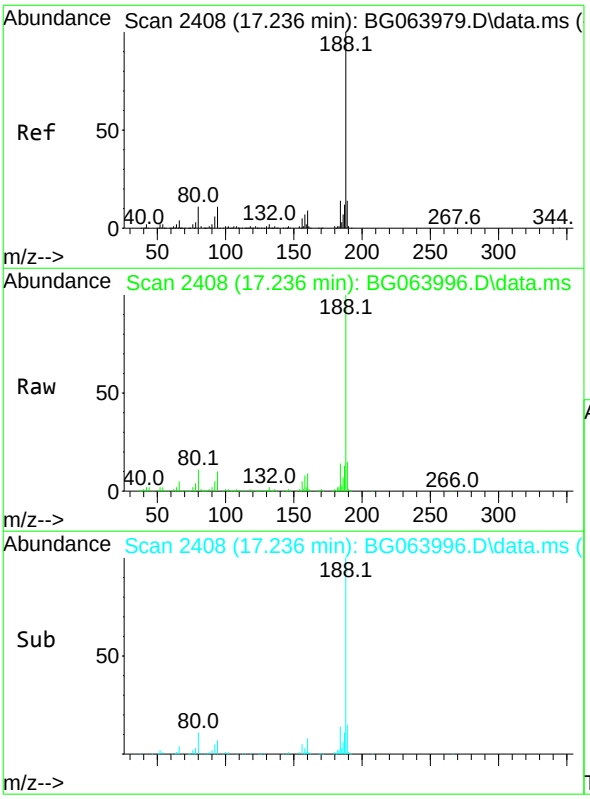
Tgt Ion: 77 Resp: 587256

Ion	Ratio	Lower	Upper
77	100		
182	21.1	2.3	42.3
105	20.1	1.0	41.0
51	38.1	19.0	59.0

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

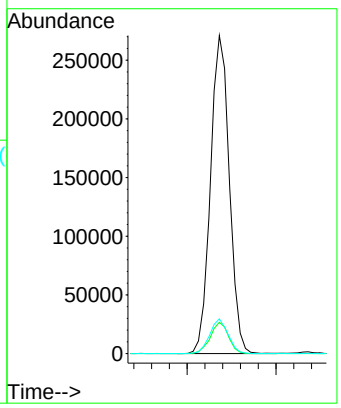


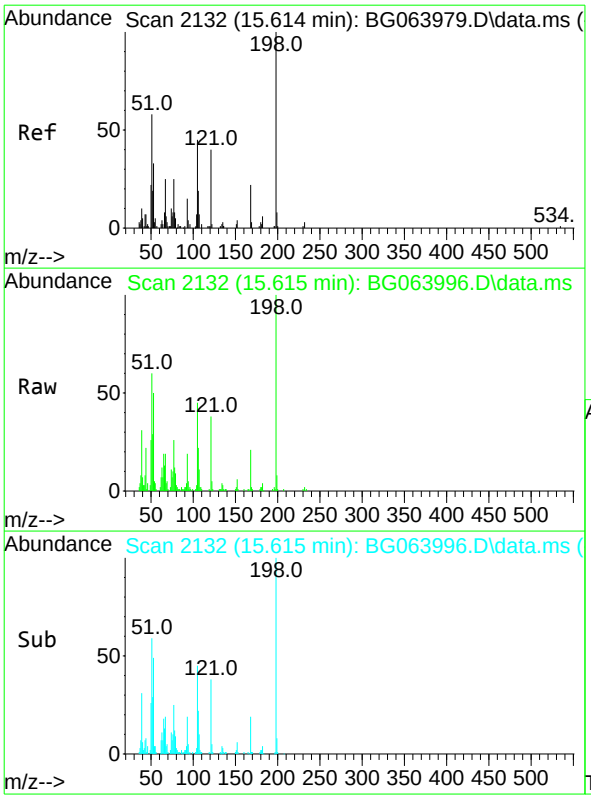


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.236 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:188 Resp: 399629

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	10.9	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 47.195 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

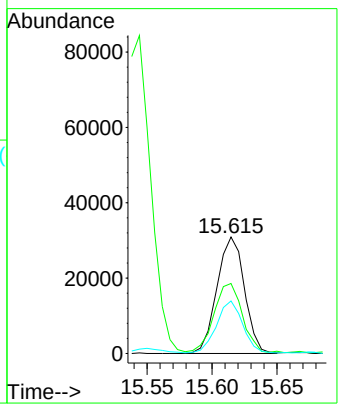
Tgt Ion:198 Resp: 45495

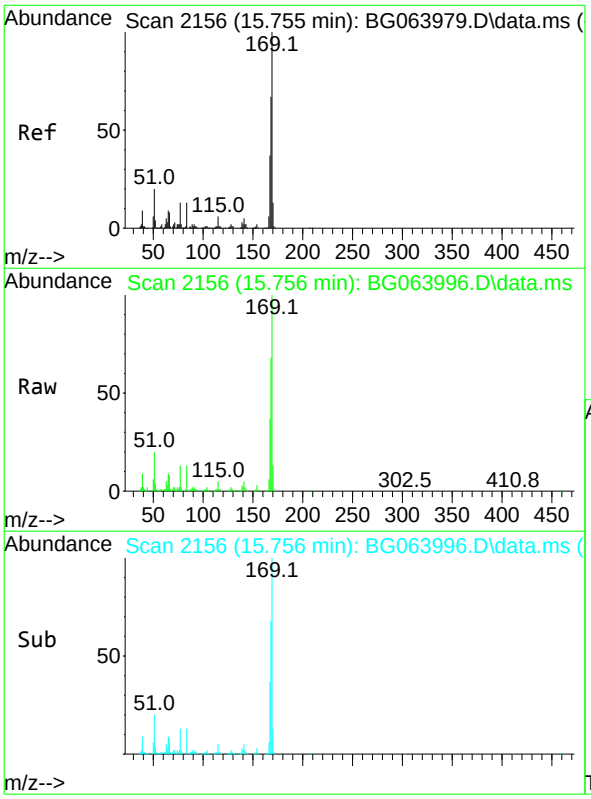
Ion	Ratio	Lower	Upper
198	100		
51	60.1	45.4	85.4
105	45.1	27.7	67.7

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

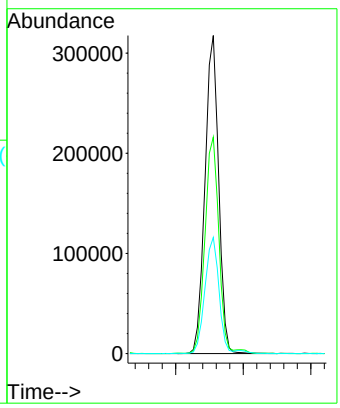


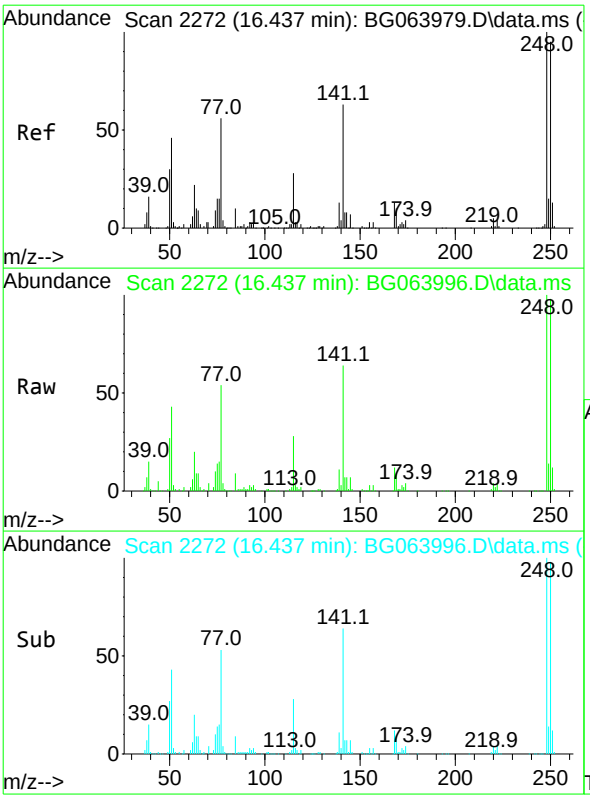


#66
n-Nitrosodiphenylamine
Concen: 40.238 ng
RT: 15.756 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:169 Resp: 445839

Ion	Ratio	Lower	Upper
169	100		
168	68.1	53.5	80.3
167	36.5	30.0	45.0





#67
4-Bromophenyl-phenylether
Concen: 41.167 ng
RT: 16.437 min Scan# 22
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

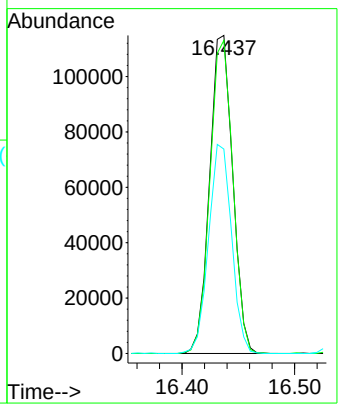
Tgt Ion:248 Resp: 163751

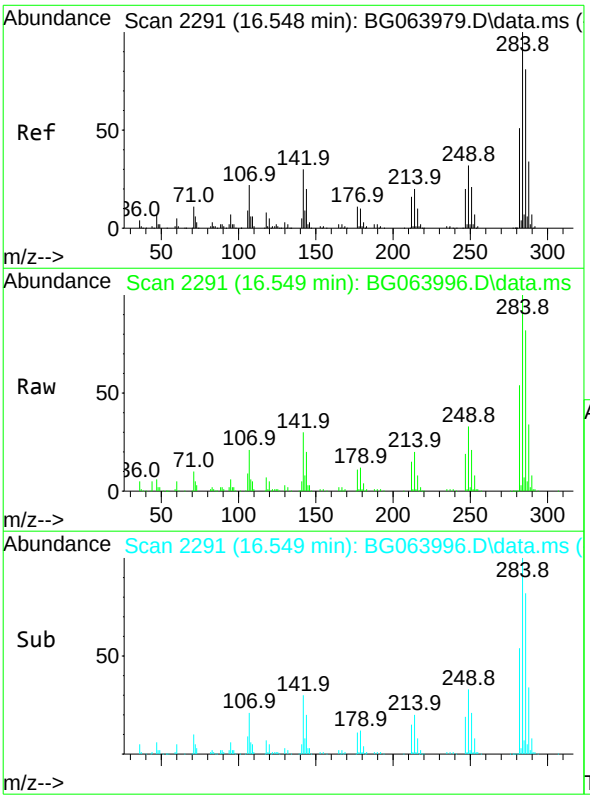
Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.2	114.4
141	64.3	50.6	75.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

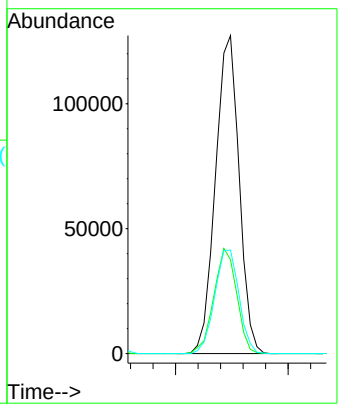


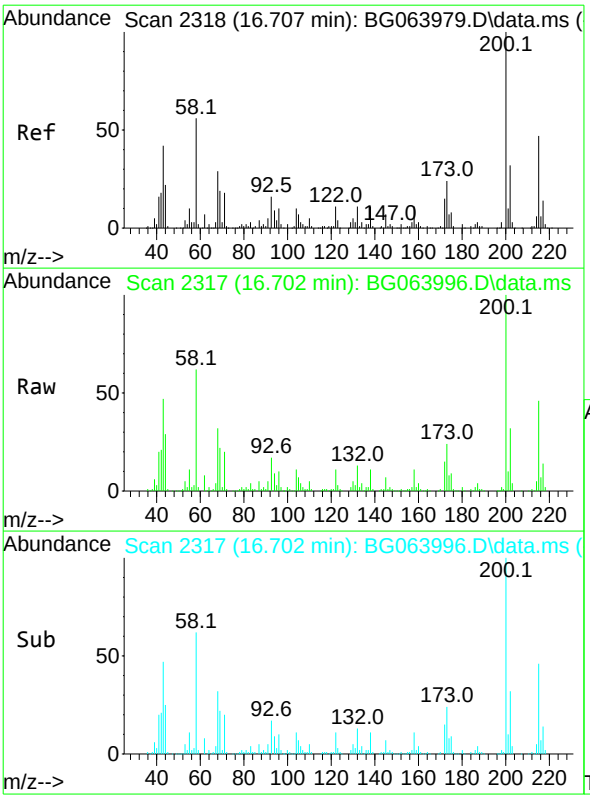


#68
Hexachlorobenzene
Concen: 39.723 ng
RT: 16.549 min Scan# 2291
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:284 Resp: 185761

Ion	Ratio	Lower	Upper
284	100		
142	29.5	23.8	35.8
249	32.6	25.9	38.9





#69
Atrazine
Concen: 41.192 ng
RT: 16.702 min Scan# 23
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

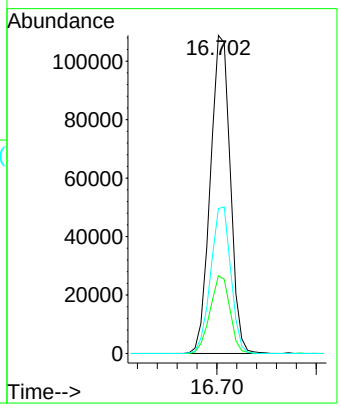
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

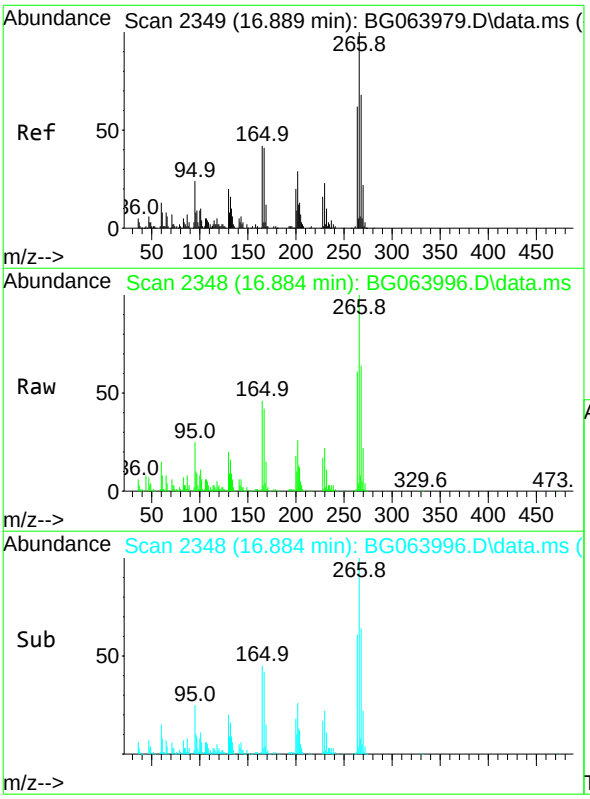
Tgt Ion:200 Resp: 151886

Ion	Ratio	Lower	Upper
200	100		
173	24.4	3.8	43.8
215	45.6	26.6	66.6

Manual Integrations
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Supervised By :mohammad ahmed 02/06/2025

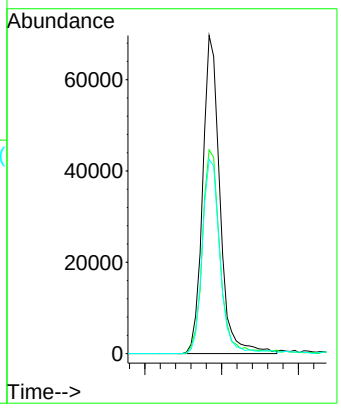


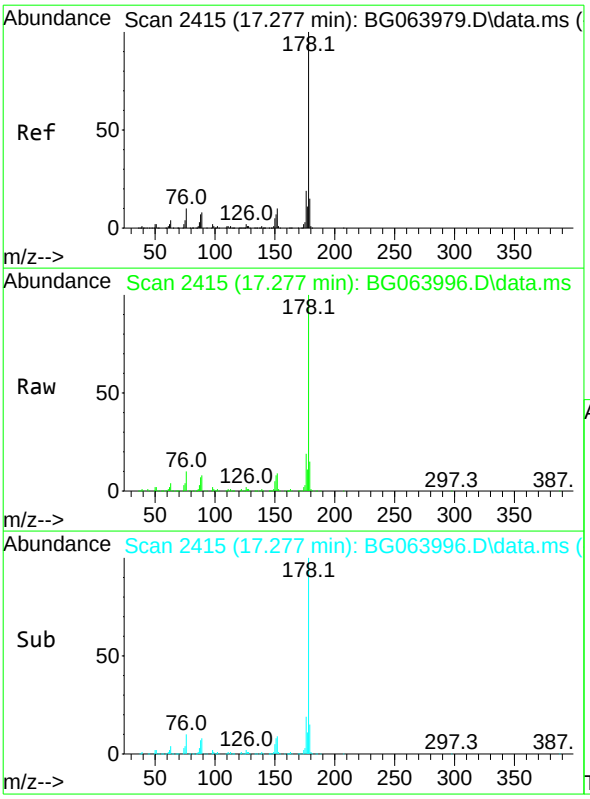


#70
Pentachlorophenol
Concen: 40.332 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:266 Resp: 108459

Ion	Ratio	Lower	Upper
266	100		
268	64.0	54.8	82.2
264	61.0	50.0	75.0





#71
Phenanthrene
Concen: 39.412 ng
RT: 17.277 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

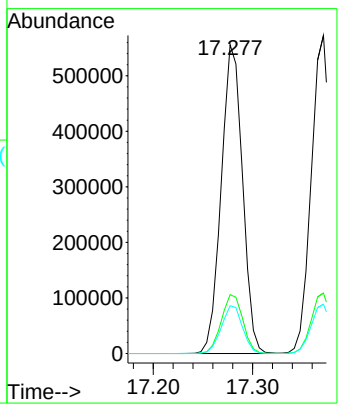
Tgt Ion:178 Resp: 827230

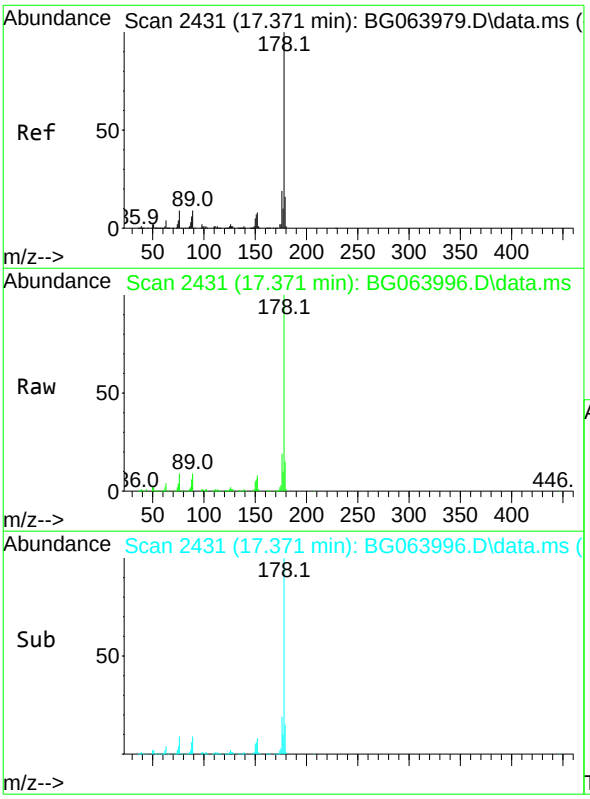
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.5	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

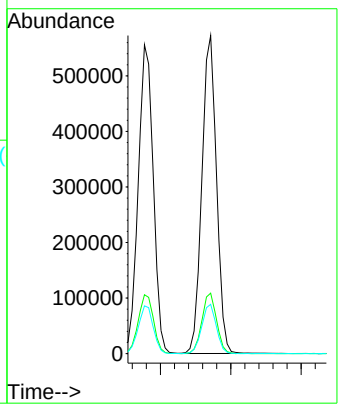


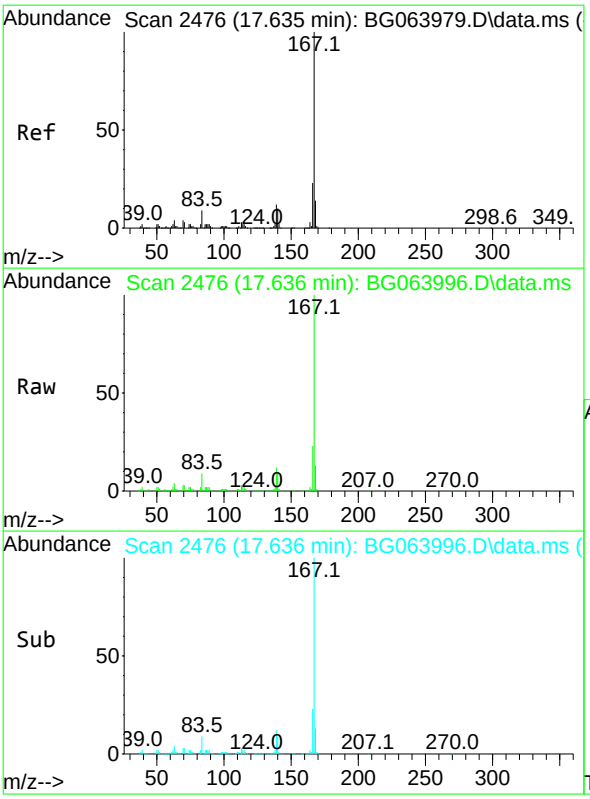


#72
Anthracene
Concen: 39.285 ng
RT: 17.371 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:178 Resp: 825089

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.5	12.8	19.2

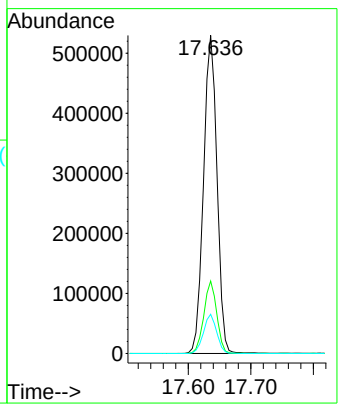




#73
Carbazole
Concen: 40.281 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:167 Resp: 791960

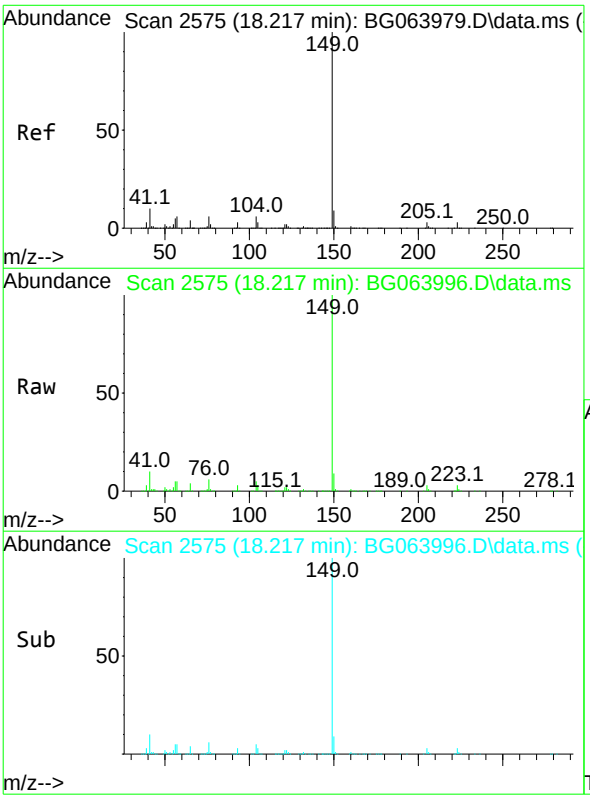
Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	28.0
139	12.3	9.8	14.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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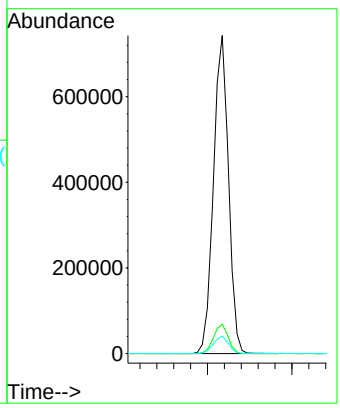
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

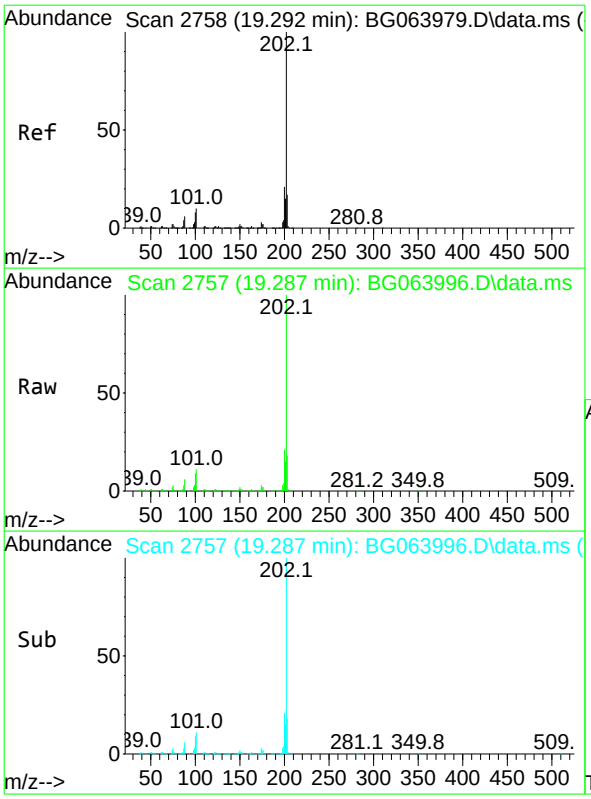


#74
Di-n-butylphthalate
Concen: 44.768 ng
RT: 18.217 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:149 Resp: 917485

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.5	4.6	6.8





#75
Fluoranthene
Concen: 39.649 ng
RT: 19.287 min Scan# 27
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

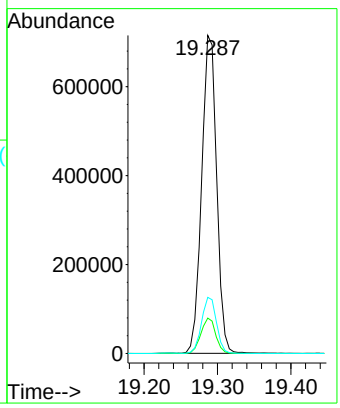
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

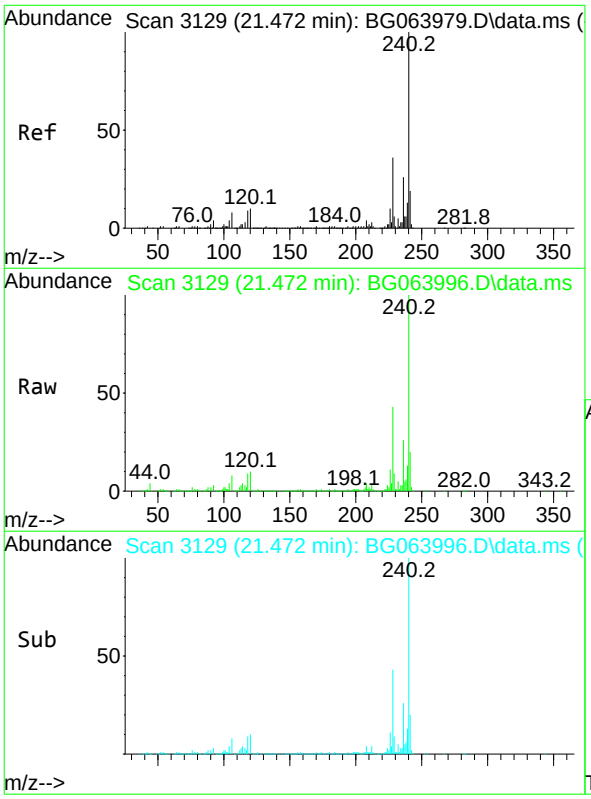
Tgt Ion:202 Resp: 1013381

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.4
203	17.7	0.0	37.0

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

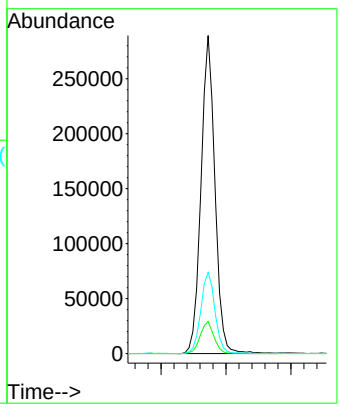


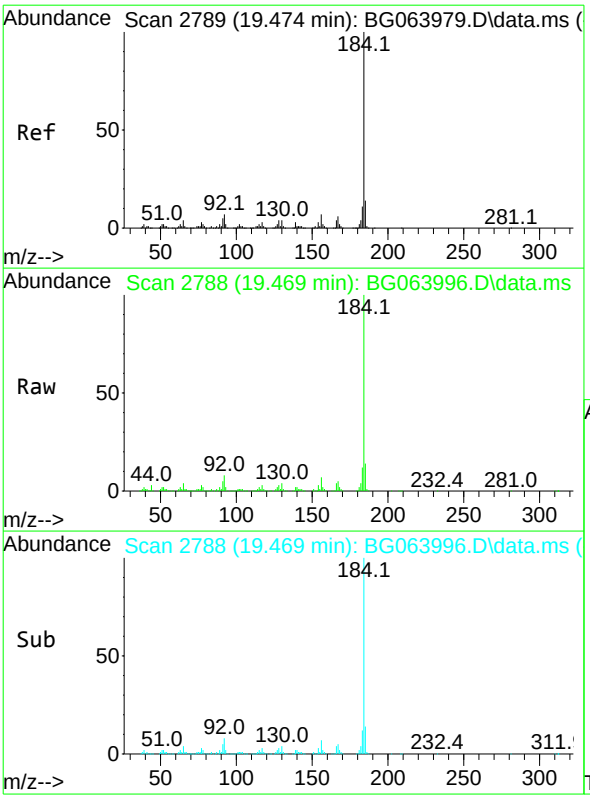


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:240 Resp: 430606

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.9	11.9
236	25.5	21.0	31.6

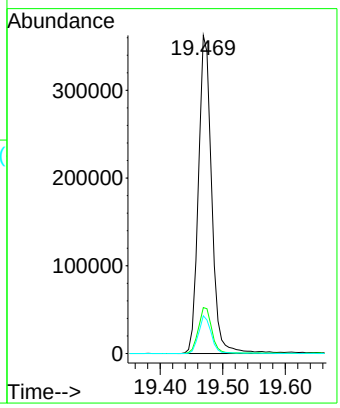




#77
Benzidine
Concen: 58.084 ng
RT: 19.469 min Scan# 27
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:184 Resp: 532602

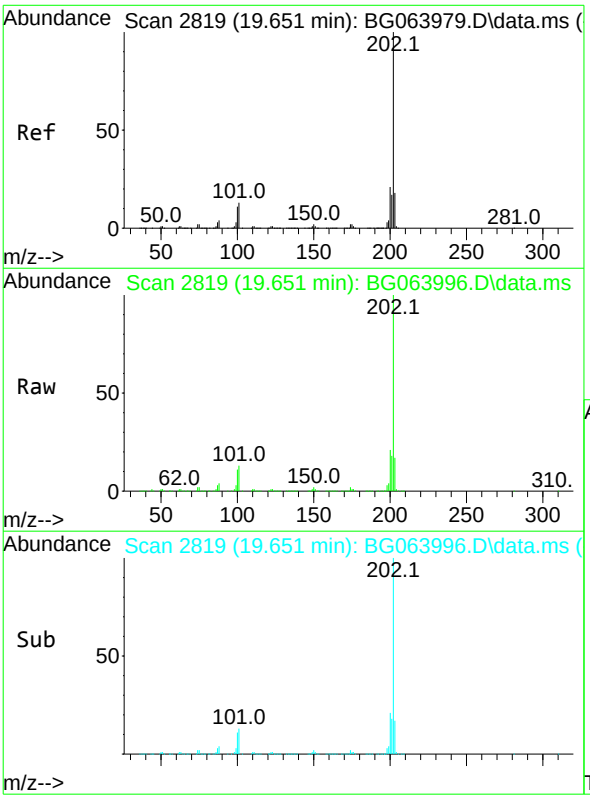
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.2	16.8
183	11.9	8.7	13.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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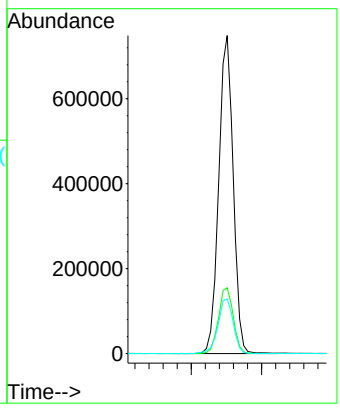
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

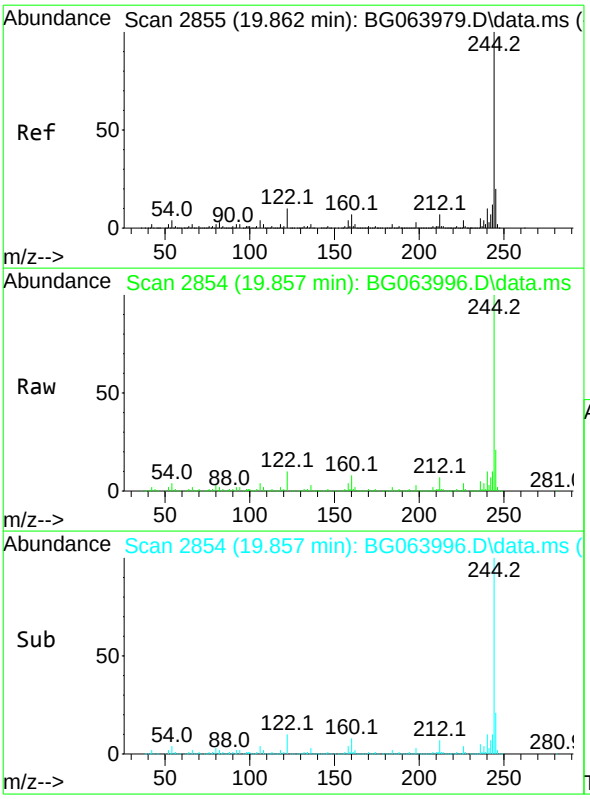


#78
Pyrene
Concen: 40.216 ng
RT: 19.651 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:202 Resp: 1069071

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.2	14.5	21.7





#79
Terphenyl-d14
Concen: 79.040 ng
RT: 19.857 min Scan# 28
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

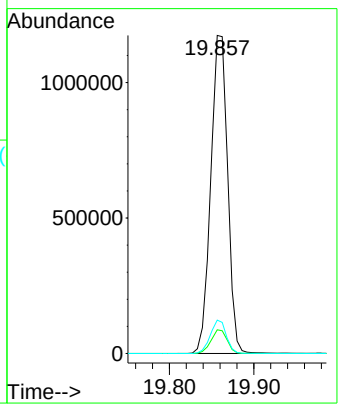
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

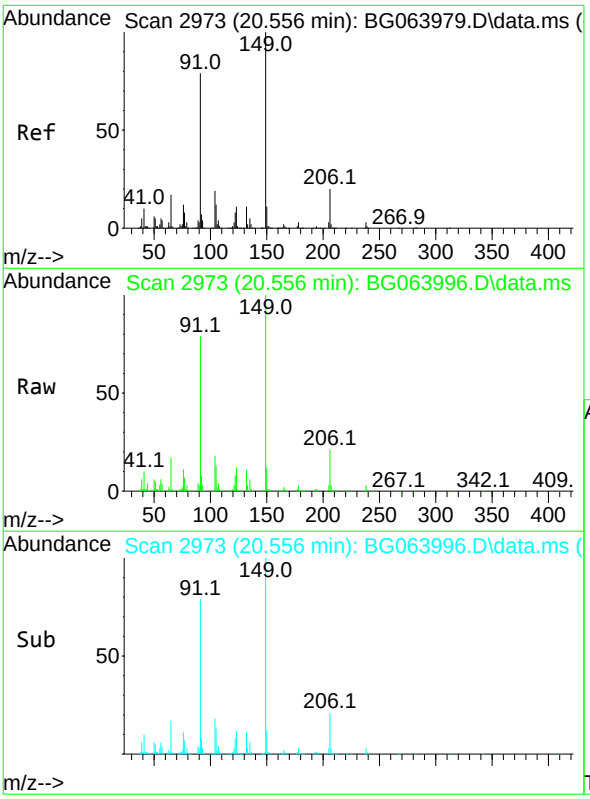
Tgt Ion:244 Resp: 1629680

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	10.5	7.7	11.5

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

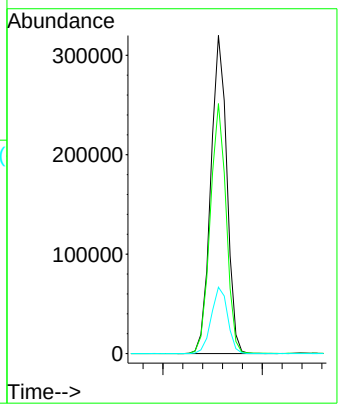


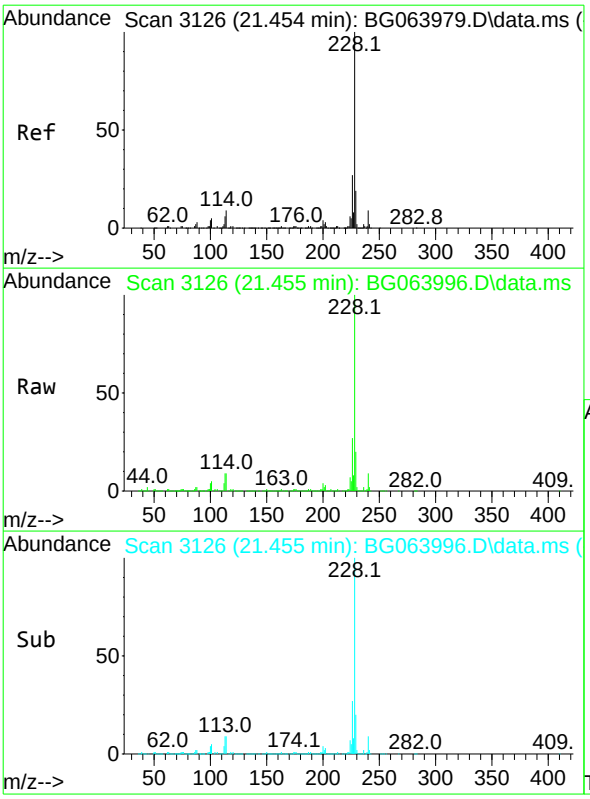


#80
Butylbenzylphthalate
Concen: 39.849 ng
RT: 20.556 min Scan# 2973
Delta R.T. -0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:149 Resp: 359990

Ion	Ratio	Lower	Upper
149	100		
91	78.6	63.0	94.6
206	20.9	15.8	23.6

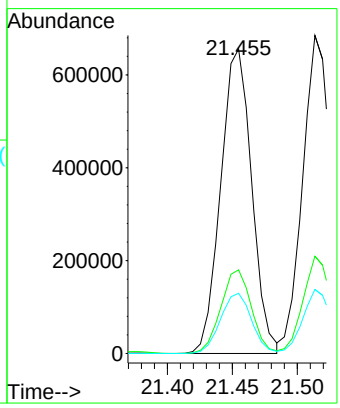




#81
Benzo(a)anthracene
Concen: 39.842 ng
RT: 21.455 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:228 Resp: 1089275

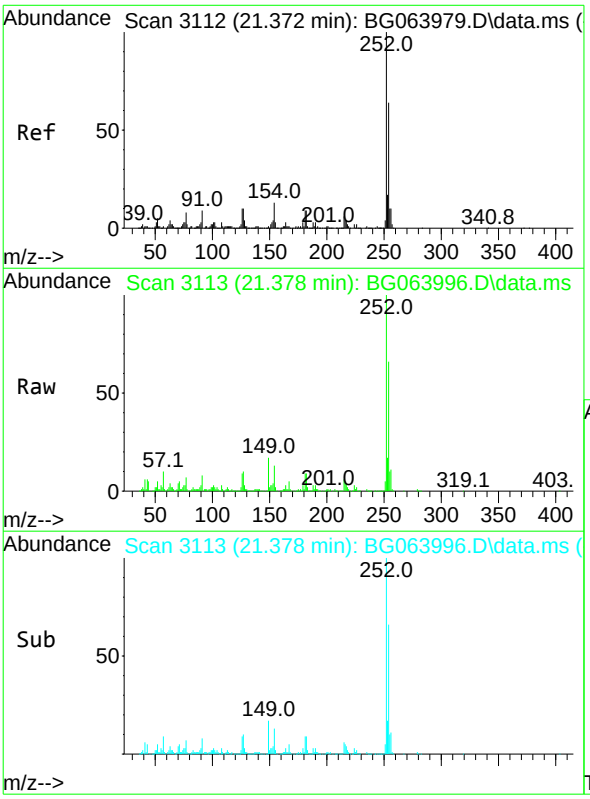
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.6
229	19.8	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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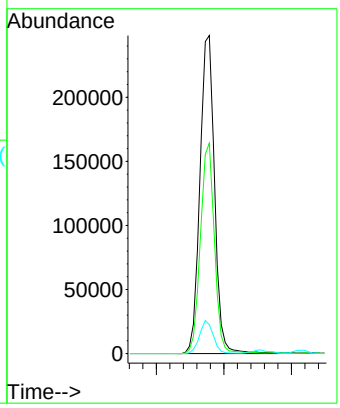
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

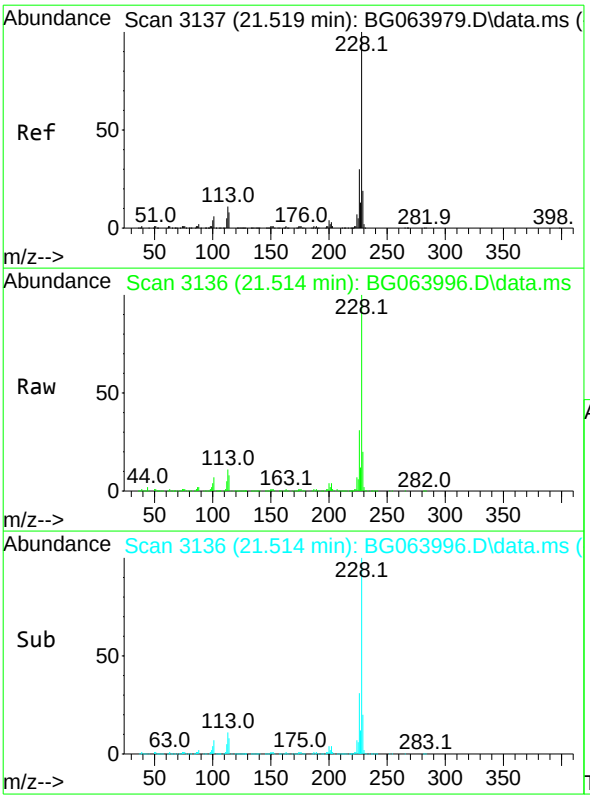


#82
3,3'-Dichlorobenzidine
Concen: 43.860 ng
RT: 21.378 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:252 Resp: 373433

Ion	Ratio	Lower	Upper
252	100		
254	66.2	50.8	76.2
126	9.1	8.2	12.2





#83
Chrysene
Concen: 39.365 ng
RT: 21.514 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

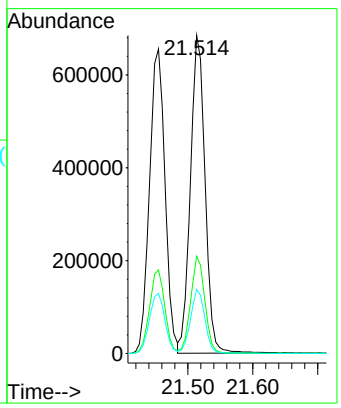
Tgt Ion:228 Resp: 1071017

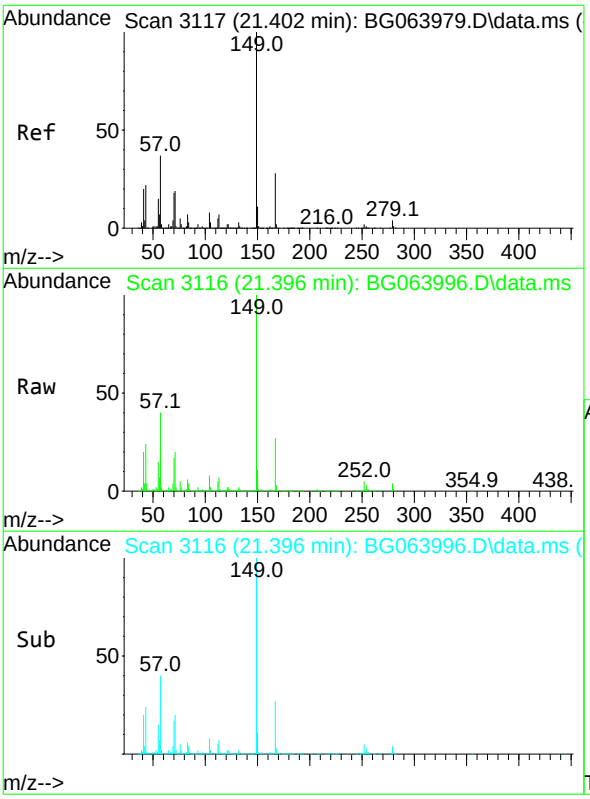
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	20.1	15.4	23.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

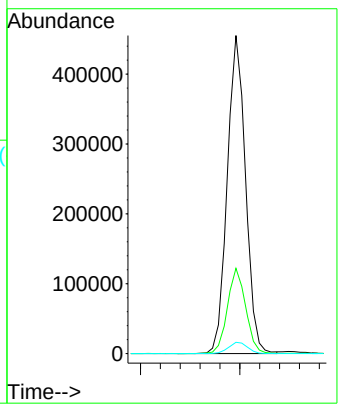


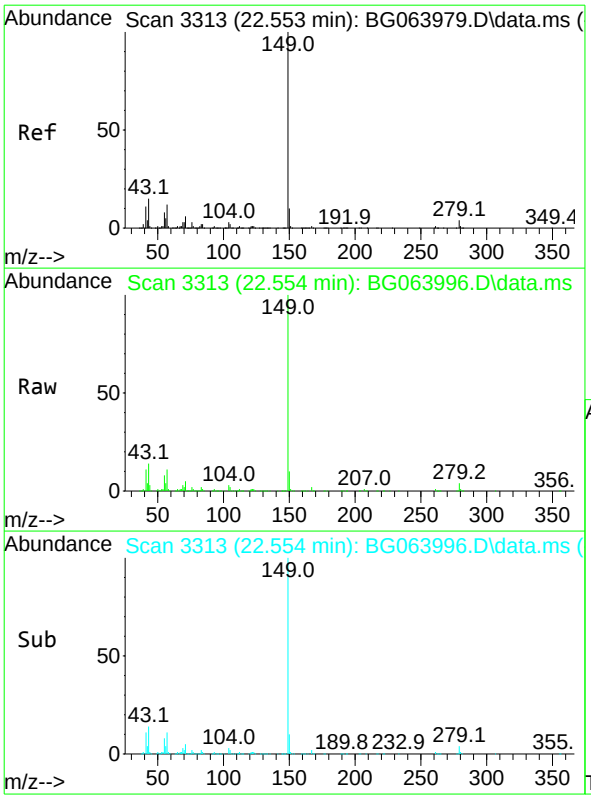


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.908 ng
RT: 21.396 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:149 Resp: 581664

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.5	33.7
279	3.6	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 40.231 ng
RT: 22.554 min Scan# 33
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

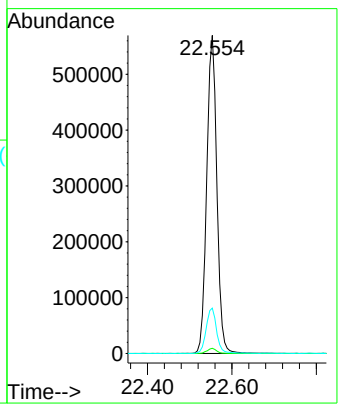
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

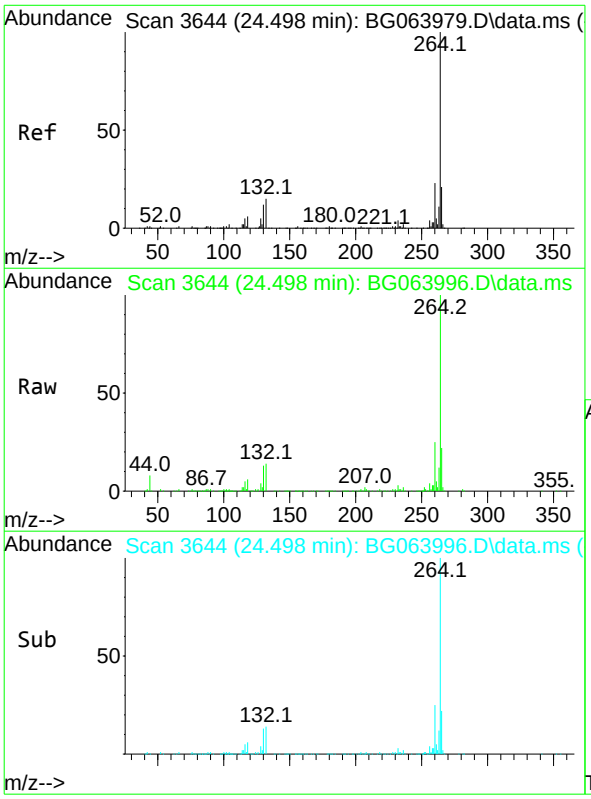
Tgt Ion:149 Resp: 948114

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	14.9	12.3	18.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

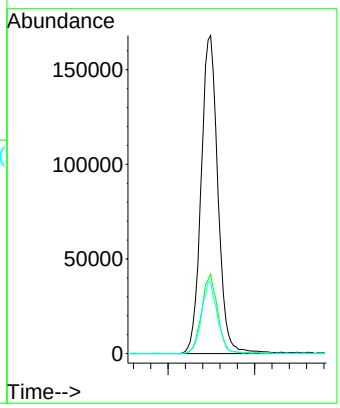


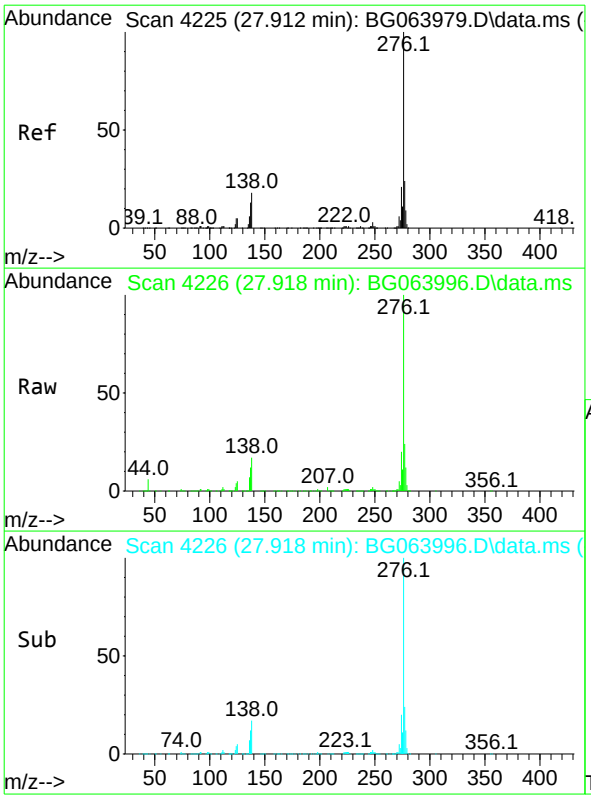


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.498 min Scan# 3644
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:264 Resp: 452558

Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	22.3	16.6	24.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.793 ng
RT: 27.918 min Scan# 42
Delta R.T. 0.006 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

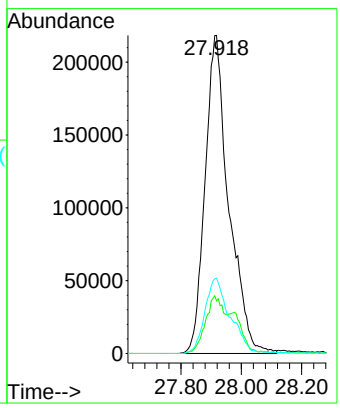
Tgt Ion:276 Resp: 1190984

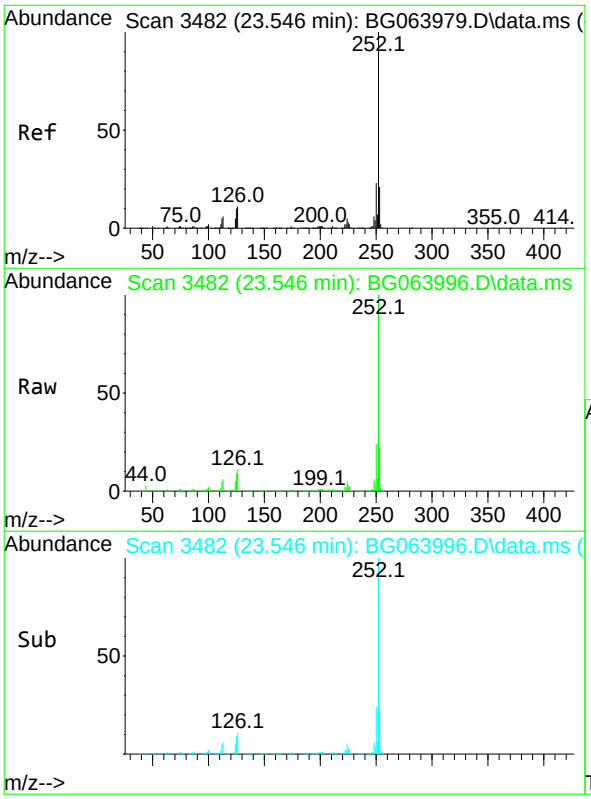
Ion	Ratio	Lower	Upper
276	100		
138	14.3	10.7	16.1
277	25.1	20.2	30.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

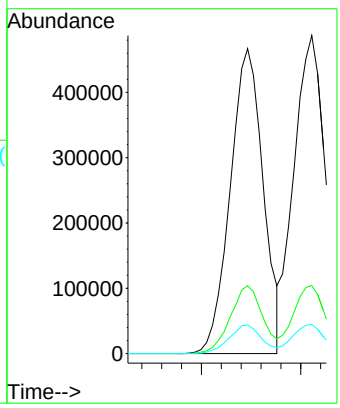


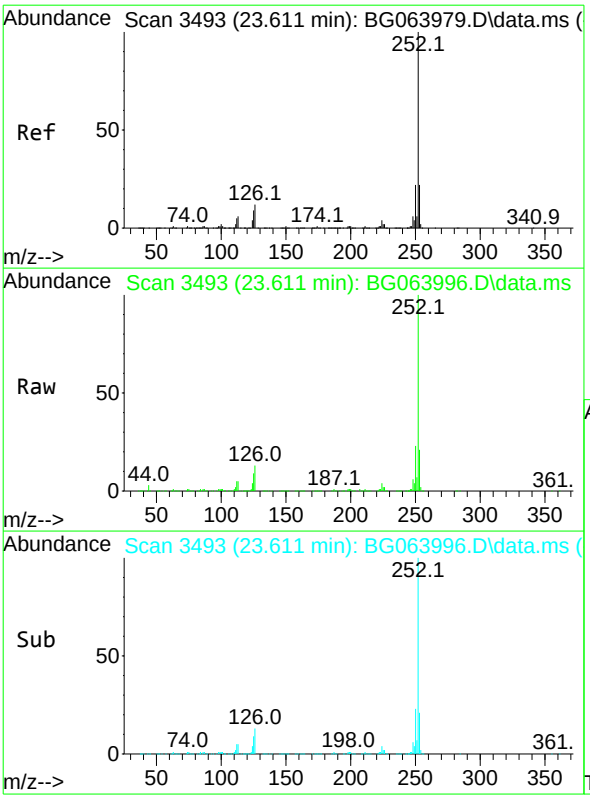


#88
Benzo(b)fluoranthene
Concen: 40.356 ng
RT: 23.546 min Scan# 3482
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:252 Resp: 1075439

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.9	25.3
125	9.4	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 40.333 ng
RT: 23.611 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

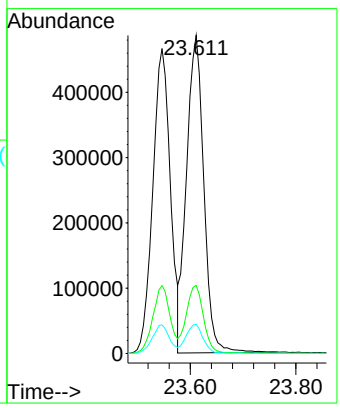
Tgt Ion:252 Resp: 1103644

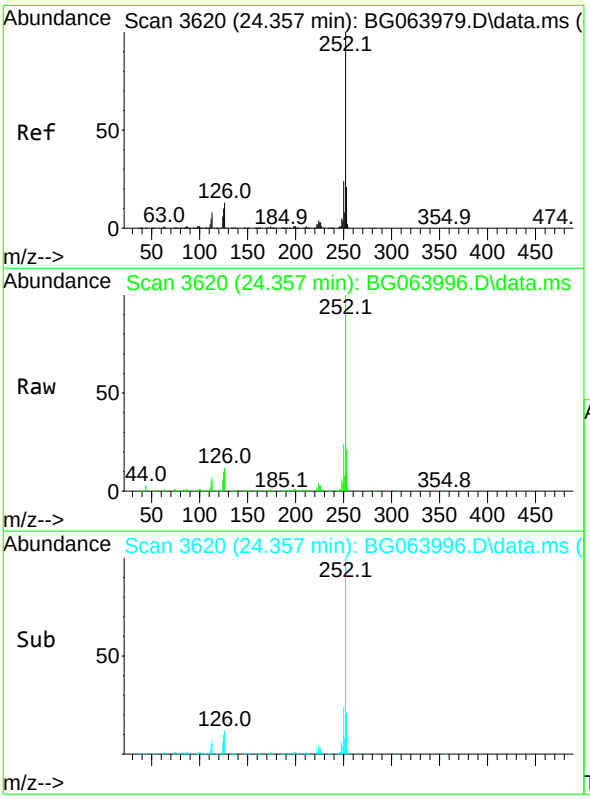
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	9.2	7.5	11.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

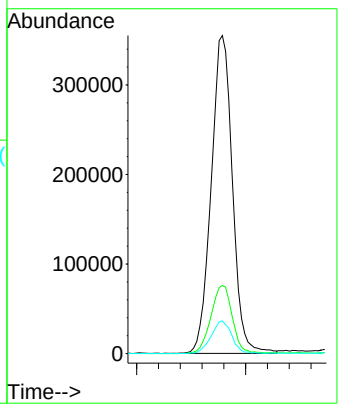


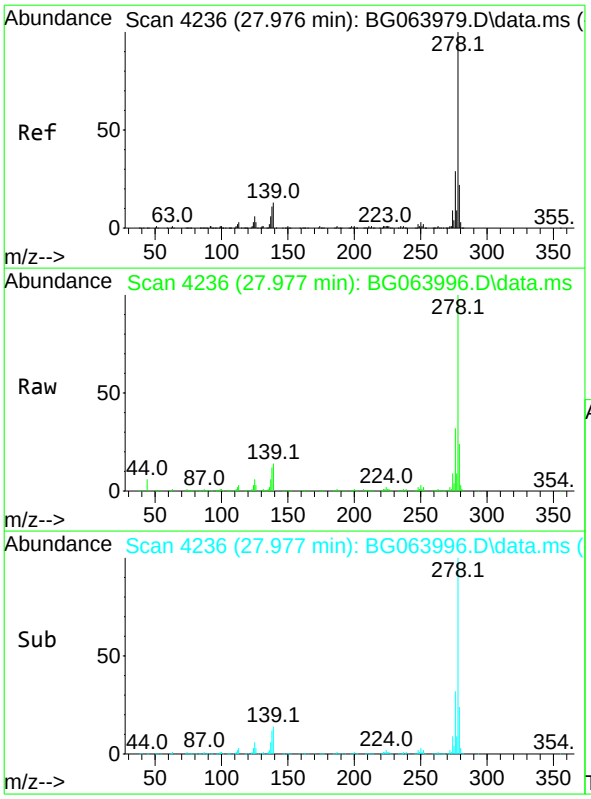


#90
Benzo(a)pyrene
Concen: 40.404 ng
RT: 24.357 min Scan# 3620
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:252 Resp: 961075

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.3	7.9	11.9





#91
Dibenzo(a,h)anthracene
Concen: 40.253 ng
RT: 27.977 min Scan# 42
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

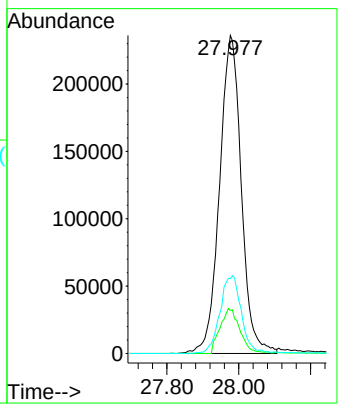
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

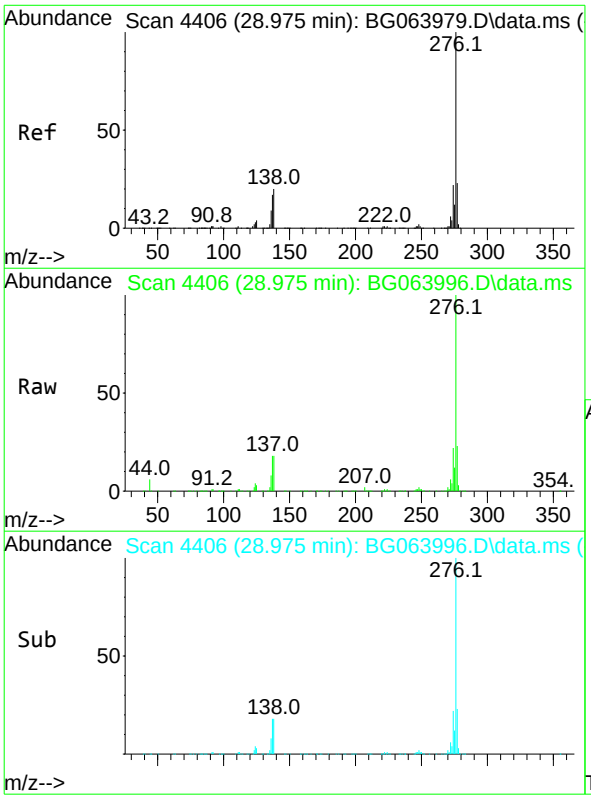
Tgt Ion:278 Resp: 992345

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.8	16.2
279	23.5	17.8	26.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

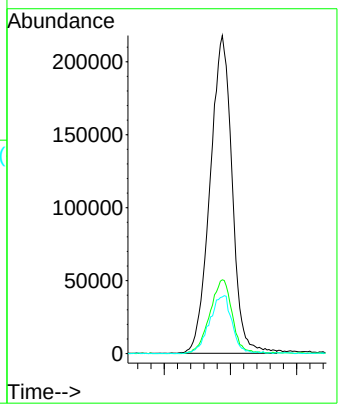




#92
Benzo(g,h,i)perylene
Concen: 40.462 ng
RT: 28.975 min Scan# 4406
Delta R.T. 0.000 min
Lab File: BG063996.D
Acq: 5 Feb 2025 10:26

Tgt Ion:276 Resp: 1007013

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.2	27.4
138	17.8	15.8	23.6



Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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	109	0.00
2		1,4-Dioxane	0.592	0.547	7.6	99	0.00
3		Pyridine	1.600	1.497	6.4	98	0.00
4		n-Nitrosodimethylamine	0.920	0.872	5.2	102	-0.01
5	S	2-Fluorophenol	1.247	1.288	-3.3	105	0.00
6		Aniline	1.834	1.807	1.5	104	-0.01
7	S	Phenol-d6	1.712	1.749	-2.2	107	0.00
8		2-Chlorophenol	1.271	1.309	-3.0	105	0.00
9		Benzaldehyde	0.935	0.940	-0.5	107	-0.01
10	C	Phenol	1.802	1.802	0.0	106	-0.01
11		bis(2-Chloroethyl)ether	1.451	1.404	3.2	104	0.00
12		1,3-Dichlorobenzene	1.513	1.446	4.4	102	0.00
13	C	1,4-Dichlorobenzene	1.528	1.483	2.9	104	0.00
14		1,2-Dichlorobenzene	1.464	1.442	1.5	106	0.00
15		Benzyl Alcohol	1.280	1.287	-0.5	106	0.00
16		2,2'-oxybis(1-Chloropropane	2.922	2.847	2.6	105	-0.02
17		2-Methylphenol	1.165	1.155	0.9	103	0.00
18		Hexachloroethane	0.503	0.525	-4.4	107	0.00
19	P	n-Nitroso-di-n-propylamine	1.185	1.194	-0.8	105	0.00
20		3+4-Methylphenols	1.553	1.568	-1.0	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.550	0.538	2.2	103	-0.01
23	S	Nitrobenzene-d5	0.329	0.372	-13.1	118	0.00
24		Nitrobenzene	0.330	0.379	-14.8	113	0.00
25		Isophorone	0.713	0.708	0.7	105	0.00
26	C	2-Nitrophenol	0.069	0.100	-44.9#	140	0.00
27		2,4-Dimethylphenol	0.205	0.217	-5.9	107	0.00
28		bis(2-Chloroethoxy)methane	0.454	0.453	0.2	105	0.00
29	C	2,4-Dichlorophenol	0.249	0.281	-12.9	111	0.00
30		1,2,4-Trichlorobenzene	0.337	0.335	0.6	105	0.00
31		Naphthalene	1.072	1.054	1.7	103	0.00
32		Benzoic acid	0.123	0.145	-17.9	136	0.00
33		4-Chloroaniline	0.411	0.406	1.2	102	0.00
34	C	Hexachlorobutadiene	0.215	0.214	0.5	105	0.00
35		Caprolactam	0.095	0.098	-3.2	108	0.00
36	C	4-Chloro-3-methylphenol	0.328	0.341	-4.0	104	0.00
37		2-Methylnaphthalene	0.747	0.732	2.0	103	0.00
38		1-Methylnaphthalene	0.739	0.710	3.9	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.580	1.7	104	0.00
41	P	Hexachlorocyclopentadiene	0.149	0.176	-18.1	113	0.00
42	S	2,4,6-Tribromophenol	0.192	0.221	-15.1	122	0.00
43	C	2,4,6-Trichlorophenol	0.288	0.342	-18.8	112	0.00
44		2,4,5-Trichlorophenol	0.333	0.385	-15.6	108	0.00
45	S	2-Fluorobiphenyl	1.305	1.295	0.8	103	0.00
46		1,1'-Biphenyl	1.523	1.479	2.9	102	0.00
47		2-Chloronaphthalene	1.110	1.086	2.2	103	0.00

Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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	0.249	0.330	-32.5#	129	0.00
49		Acenaphthylene	1.724	1.703	1.2	103	0.00
50		Dimethylphthalate	1.326	1.397	-5.4	106	0.00
51		2,6-Dinitrotoluene	0.208	0.267	-28.4#	122	0.00
52	C	Acenaphthene	1.156	1.159	-0.3	106	0.00
53		3-Nitroaniline	0.238	0.297	-24.8	117	0.00
54	P	2,4-Dinitrophenol	0.057	0.068	-19.3	141	0.00
55		Dibenzofuran	1.878	1.836	2.2	103	0.00
56	P	4-Nitrophenol	0.203	0.235	-15.8	123	0.00
57		2,4-Dinitrotoluene	0.268	0.355	-32.5#	127	0.00
58		Fluorene	1.451	1.434	1.2	105	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.376	-21.7	117	0.00
60		Diethylphthalate	1.406	1.470	-4.6	104	0.00
61		4-Chlorophenyl-phenylether	0.728	0.716	1.6	106	0.00
62		4-Nitroaniline	0.267	0.322	-20.6	117	0.00
63		Azobenzene	1.661	1.635	1.6	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.046	0.057	-23.9	146	0.00
66	c	n-Nitrosodiphenylamine	0.555	0.558	-0.5	106	0.00
67		4-Bromophenyl-phenylether	0.199	0.205	-3.0	108	0.00
68		Hexachlorobenzene	0.234	0.232	0.9	104	0.00
69		Atrazine	0.185	0.190	-2.7	104	0.00
70	C	Pentachlorophenol	0.120	0.136	-13.3	120	0.00
71		Phenanthrene	1.050	1.035	1.4	105	0.00
72		Anthracene	1.051	1.032	1.8	104	0.00
73		Carbazole	0.984	0.991	-0.7	108	0.00
74		Di-n-butylphthalate	1.026	1.148	-11.9	109	0.00
75	C	Fluoranthene	1.279	1.268	0.9	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.00
77		Benzidine	0.426	0.618	-45.1#	139	0.00
78		Pyrene	1.235	1.241	-0.5	107	0.00
79	S	Terphenyl-d14	0.958	0.946	1.3	105	0.00
80		Butylbenzylphthalate	0.346	0.418	-20.8	114	0.00
81		Benzo(a)anthracene	1.270	1.265	0.4	105	0.00
82		3,3'-Dichlorobenzidine	0.395	0.434	-9.9	106	0.00
83		Chrysene	1.264	1.244	1.6	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.575	0.675	-17.4	110	0.00
85	c	Di-n-octyl phthalate	1.001	1.101	-10.0	114	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.290	1.316	-2.0	106	0.00
88		Benzo(b)fluoranthene	1.178	1.188	-0.8	104	0.00
89		Benzo(k)fluoranthene	1.209	1.219	-0.8	103	0.00
90	C	Benzo(a)pyrene	1.051	1.062	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	1.089	1.096	-0.6	104	0.00
92		Benzo(g,h,i)perylene	1.100	1.113	-1.2	105	0.00

Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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	109	0.00
2		1,4-Dioxane	40.000	36.904	7.7	99	0.00
3		Pyridine	40.000	37.429	6.4	98	0.00
4		n-Nitrosodimethylamine	40.000	37.898	5.3	102	-0.01
5	S	2-Fluorophenol	80.000	82.620	-3.3	105	0.00
6		Aniline	40.000	39.401	1.5	104	-0.01
7	S	Phenol-d6	80.000	81.747	-2.2	107	0.00
8		2-Chlorophenol	40.000	41.205	-3.0	105	0.00
9		Benzaldehyde	40.000	40.231	-0.6	107	-0.01
10	C	Phenol	40.000	40.009	-0.0	106	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.706	3.2	104	0.00
12		1,3-Dichlorobenzene	40.000	38.246	4.4	102	0.00
13	C	1,4-Dichlorobenzene	40.000	38.842	2.9	104	0.00
14		1,2-Dichlorobenzene	40.000	39.388	1.5	106	0.00
15		Benzyl Alcohol	40.000	40.243	-0.6	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.974	2.6	105	-0.02
17		2-Methylphenol	40.000	39.632	0.9	103	0.00
18		Hexachloroethane	40.000	41.791	-4.5	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.291	-0.7	105	0.00
20		3+4-Methylphenols	40.000	40.385	-1.0	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	39.136	2.2	103	-0.01
23	S	Nitrobenzene-d5	80.000	90.524	-13.2	118	0.00
24		Nitrobenzene	40.000	40.482	-1.2	113	0.00
25		Isophorone	40.000	39.672	0.8	105	0.00
26	C	2-Nitrophenol	40.000	46.454	-16.1	140	0.00
27		2,4-Dimethylphenol	40.000	42.309	-5.8	107	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.884	0.3	105	0.00
29	C	2,4-Dichlorophenol	40.000	39.917	0.2	111	0.00
30		1,2,4-Trichlorobenzene	40.000	39.696	0.8	105	0.00
31		Naphthalene	40.000	39.330	1.7	103	0.00
32		Benzoic acid	40.000	44.581	-11.5	136	0.00
33		4-Chloroaniline	40.000	39.481	1.3	102	0.00
34	C	Hexachlorobutadiene	40.000	39.798	0.5	105	0.00
35		Caprolactam	40.000	38.534	3.7	108	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.579	-3.9	104	0.00
37		2-Methylnaphthalene	40.000	39.211	2.0	103	0.00
38		1-Methylnaphthalene	40.000	38.390	4.0	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.329	1.7	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.032	-17.6	113	0.00
42	S	2,4,6-Tribromophenol	80.000	82.949	-3.7	122	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.290	-0.7	112	0.00
44		2,4,5-Trichlorophenol	40.000	40.231	-0.6	108	0.00
45	S	2-Fluorobiphenyl	80.000	79.349	0.8	103	0.00
46		1,1'-Biphenyl	40.000	38.855	2.9	102	0.00
47		2-Chloronaphthalene	40.000	39.148	2.1	103	0.00

Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.802	-12.0	129	0.00
49		Acenaphthylene	40.000	39.522	1.2	103	0.00
50		Dimethylphthalate	40.000	42.138	-5.3	106	0.00
51		2,6-Dinitrotoluene	40.000	43.440	-8.6	122	0.00
52	C	Acenaphthene	40.000	40.083	-0.2	106	0.00
53		3-Nitroaniline	40.000	41.298	-3.2	117	0.00
54	P	2,4-Dinitrophenol	40.000	45.690	-14.2	141	0.00
55		Dibenzofuran	40.000	39.112	2.2	103	0.00
56	P	4-Nitrophenol	40.000	41.262	-3.2	123	0.00
57		2,4-Dinitrotoluene	40.000	44.176	-10.4	127	0.00
58		Fluorene	40.000	39.530	1.2	105	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.818	-2.0	117	0.00
60		Diethylphthalate	40.000	41.818	-4.5	104	0.00
61		4-Chlorophenyl-phenylether	40.000	39.328	1.7	106	0.00
62		4-Nitroaniline	40.000	41.675	-4.2	117	0.00
63		Azobenzene	40.000	39.390	1.5	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	47.195	-18.0	146	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.238	-0.6	106	0.00
67		4-Bromophenyl-phenylether	40.000	41.167	-2.9	108	0.00
68		Hexachlorobenzene	40.000	39.723	0.7	104	0.00
69		Atrazine	40.000	41.192	-3.0	104	0.00
70	C	Pentachlorophenol	40.000	40.332	-0.8	120	0.00
71		Phenanthrene	40.000	39.412	1.5	105	0.00
72		Anthracene	40.000	39.285	1.8	104	0.00
73		Carbazole	40.000	40.281	-0.7	108	0.00
74		Di-n-butylphthalate	40.000	44.768	-11.9	109	0.00
75	C	Fluoranthene	40.000	39.649	0.9	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	106	0.00
77		Benzidine	40.000	58.084	-45.2#	139	0.00
78		Pyrene	40.000	40.216	-0.5	107	0.00
79	S	Terphenyl-d14	80.000	79.040	1.2	105	0.00
80		Butylbenzylphthalate	40.000	39.849	0.4	114	0.00
81		Benzo(a)anthracene	40.000	39.842	0.4	105	0.00
82		3,3'-Dichlorobenzidine	40.000	43.860	-9.6	106	0.00
83		Chrysene	40.000	39.365	1.6	106	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.908	0.2	110	0.00
85	c	Di-n-octyl phthalate	40.000	40.231	-0.6	114	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.793	-2.0	106	0.00
88		Benzo(b)fluoranthene	40.000	40.356	-0.9	104	0.00
89		Benzo(k)fluoranthene	40.000	40.333	-0.8	103	0.00
90	C	Benzo(a)pyrene	40.000	40.404	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	40.253	-0.6	104	0.00
92		Benzo(g,h,i)perylene	40.000	40.462	-1.2	105	0.00

Sample Results: **BG063996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063996.D
Acq On : 5 Feb 2025 10:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 11:06:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
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

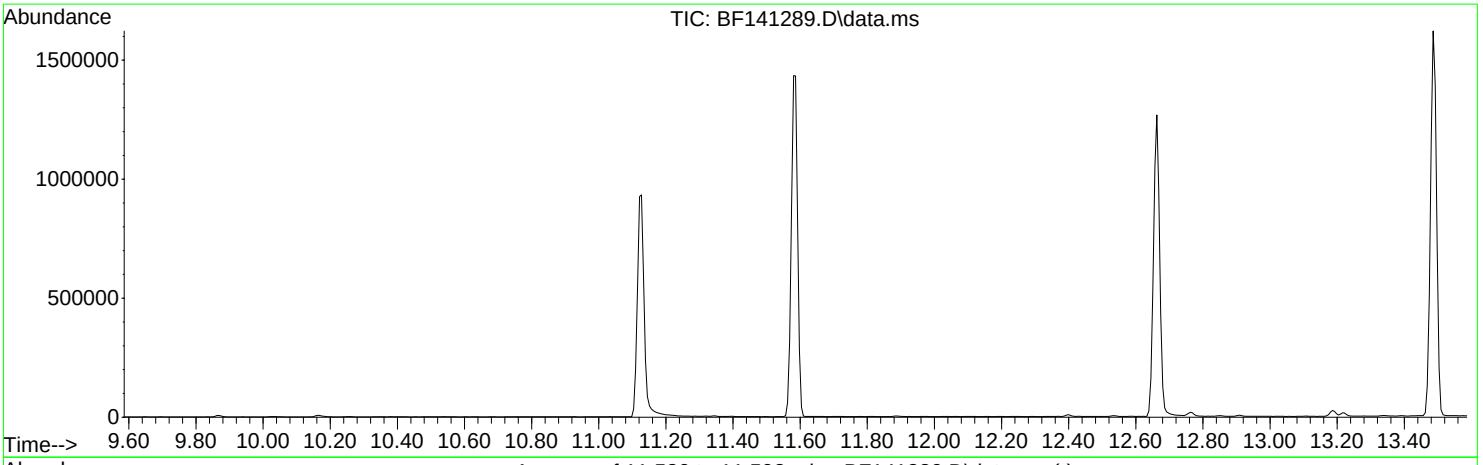
Sample Results: **BF141289.D**

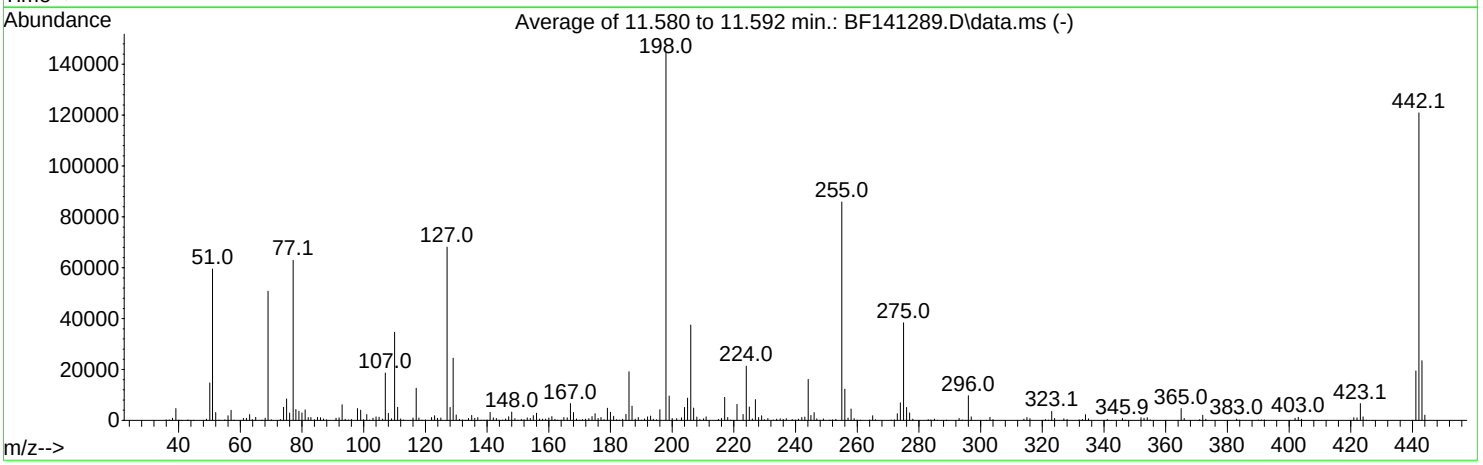
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

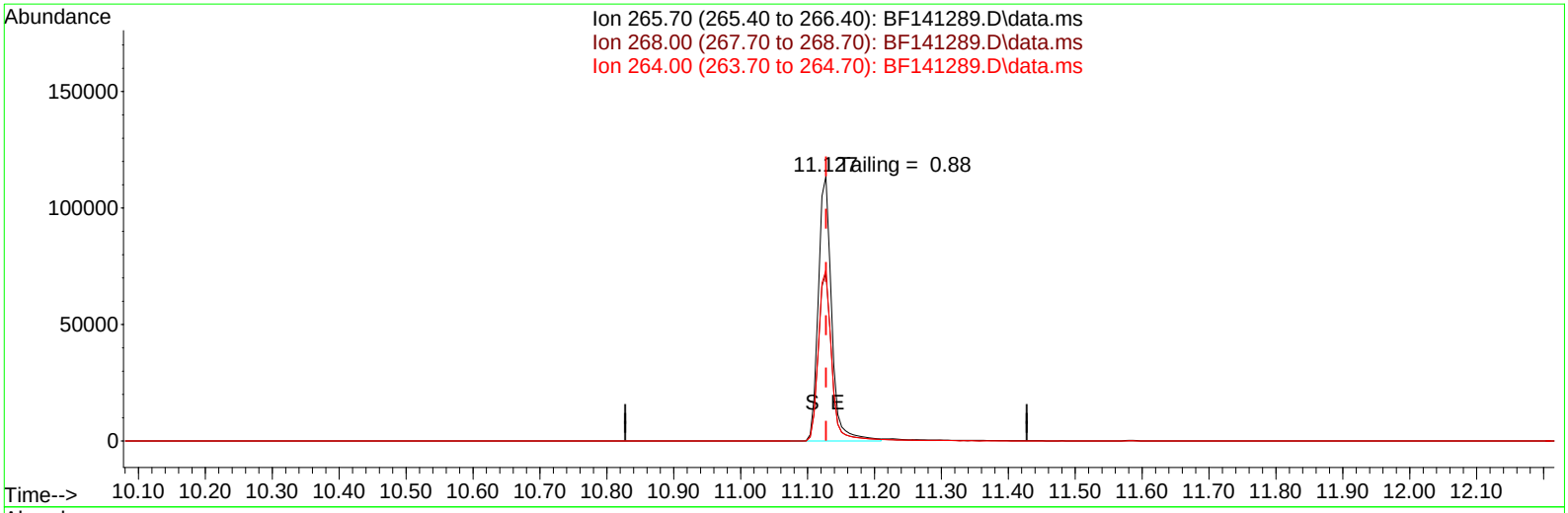
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

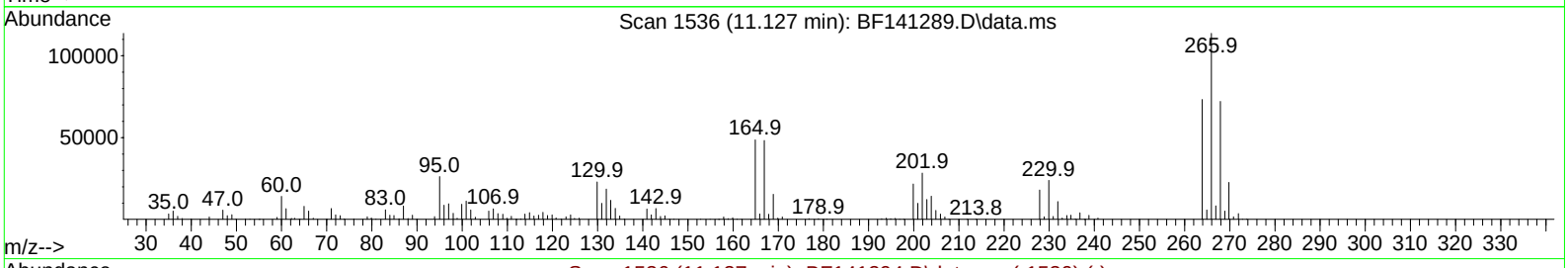
Sample Results: **BF141289.D**

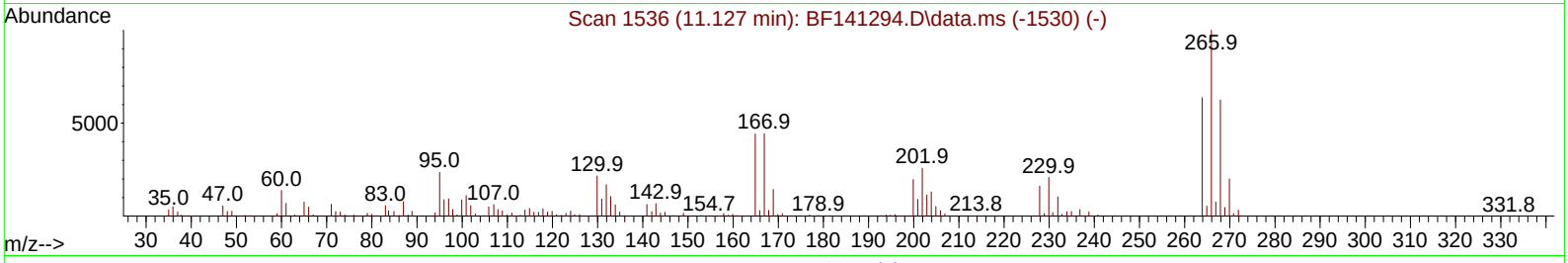
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration







TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

response 157302

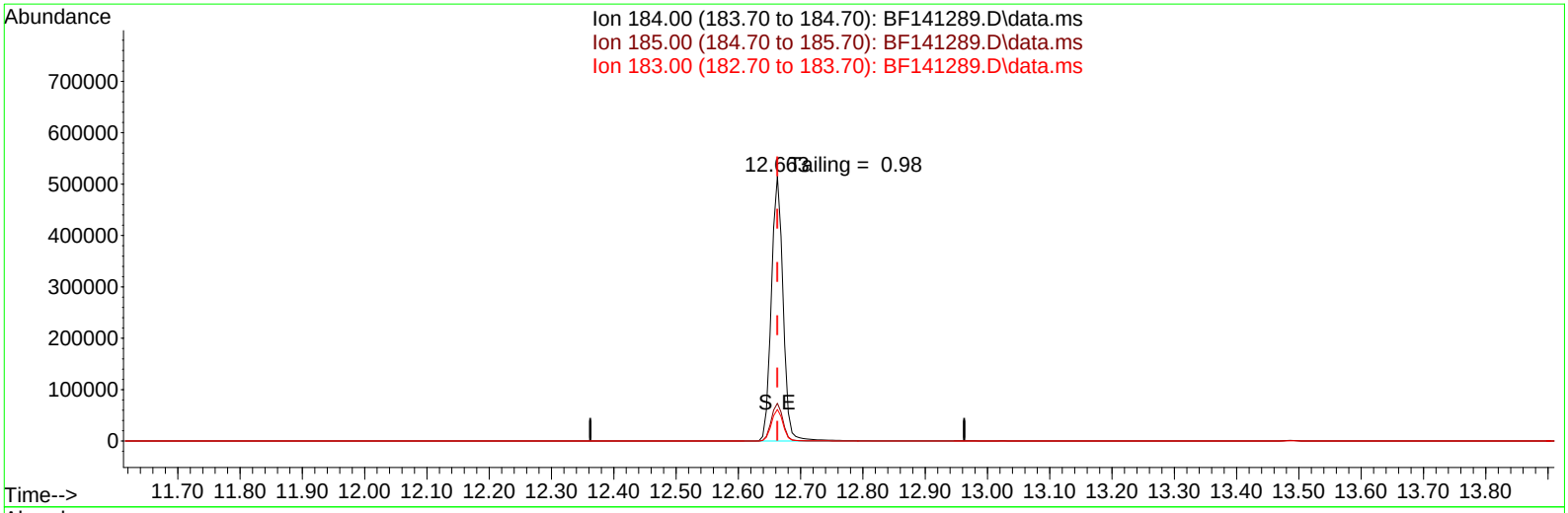
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

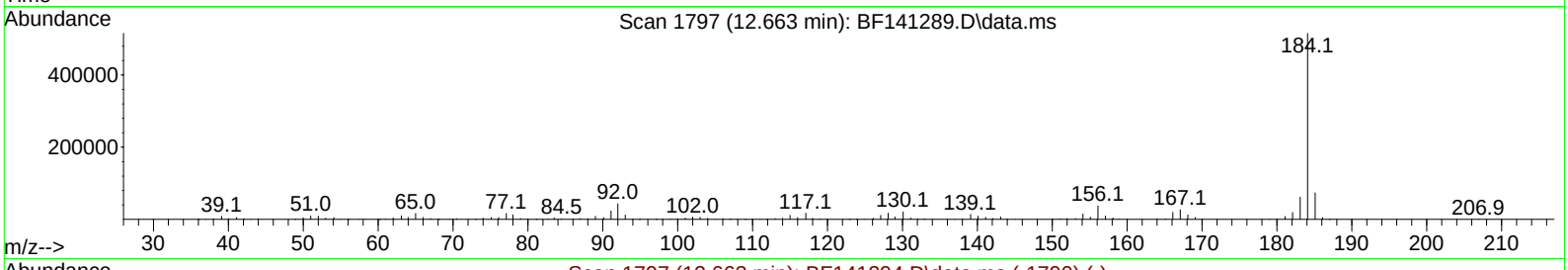
Sample Results: **BF141289.D**

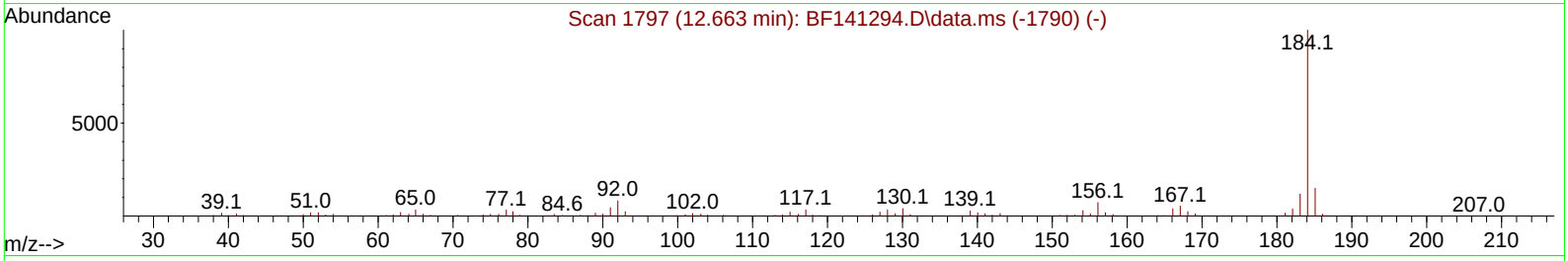
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration







TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	BF141289.D
Compound Name	**Response**	**Retention Time**
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12170	419607	2.90

Instrument :
BNA_F
ClientSampleId :
DFTPP

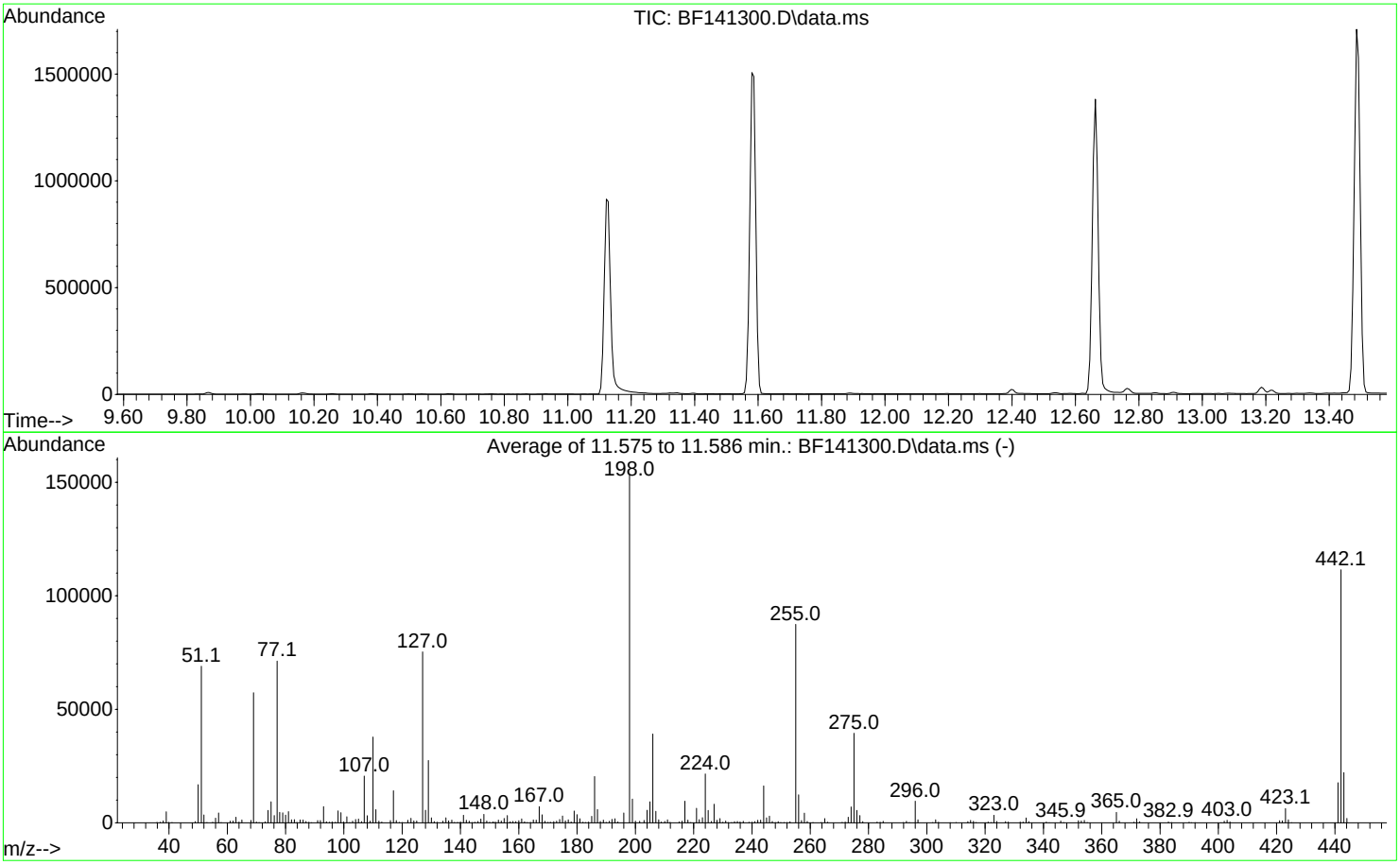
Sample Results: **BF141300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	68947	PASS
68	69	0.00	2	1.9	1080	PASS
69	198	0.00	100	37.4	57275	PASS
70	69	0.00	2	0.6	350	PASS
127	198	10	80	49.1	75275	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153189	PASS
199	198	5	9	6.8	10452	PASS
275	198	10	60	25.8	39467	PASS
365	198	1	100	3.0	4620	PASS
441	198	0.01	100	11.5	17662	PASS
442	442	50	100	100.0	111453	PASS
443	442	15	24	19.8	22114	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/30/2025	BNA_F	BF141300.D
Compound Name	**Response**	**Retention Time**
DDT	441101	13.486
DDD	12334	13.186
DDE	802	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
13136	454237	2.89

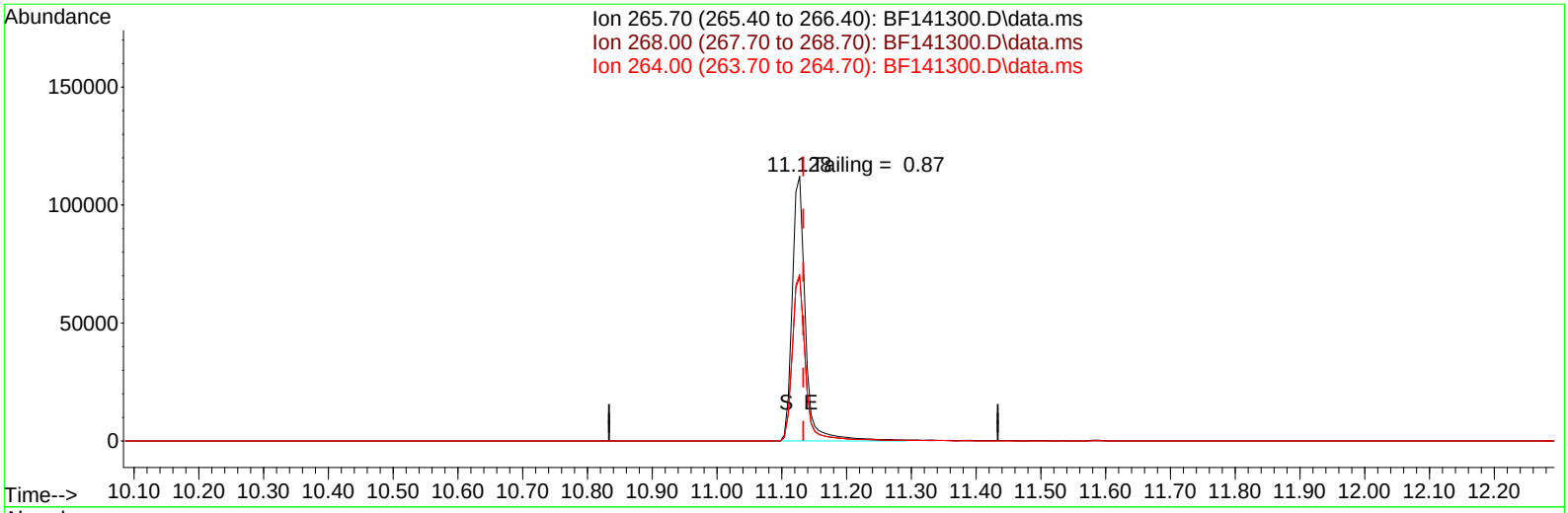
Instrument :
BNA_F
ClientSampleId :
DFTPP

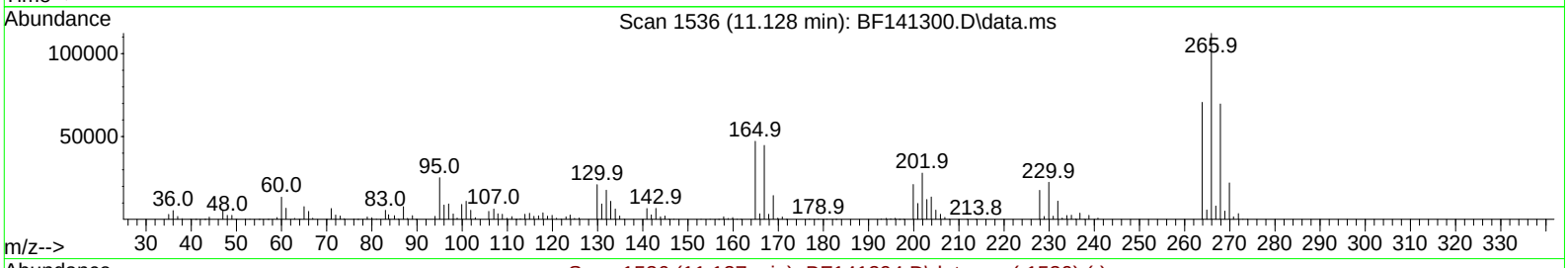
Sample Results: **BF141300.D**

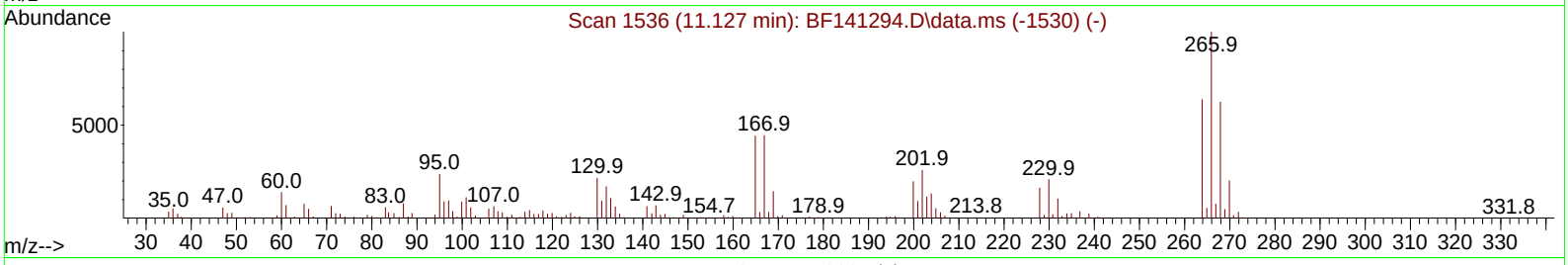
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 30 10:21:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141300.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 13218.72 ng

response 160131

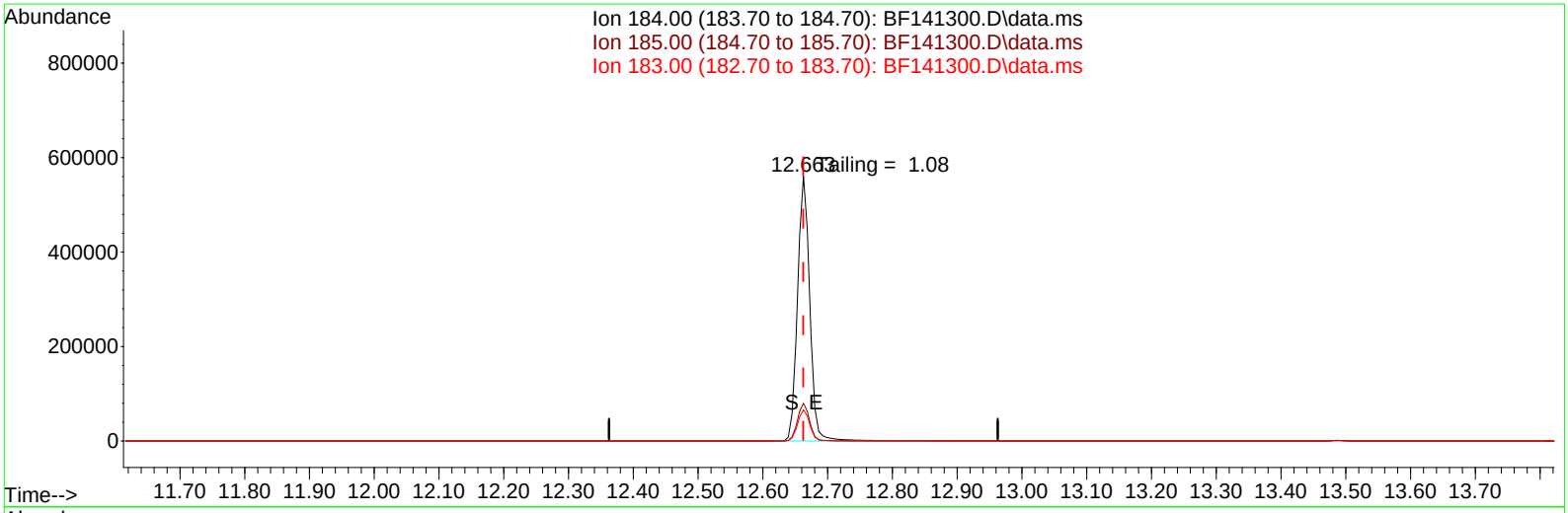
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.08
264.00	63.70	62.98
0.00	0.00	0.00

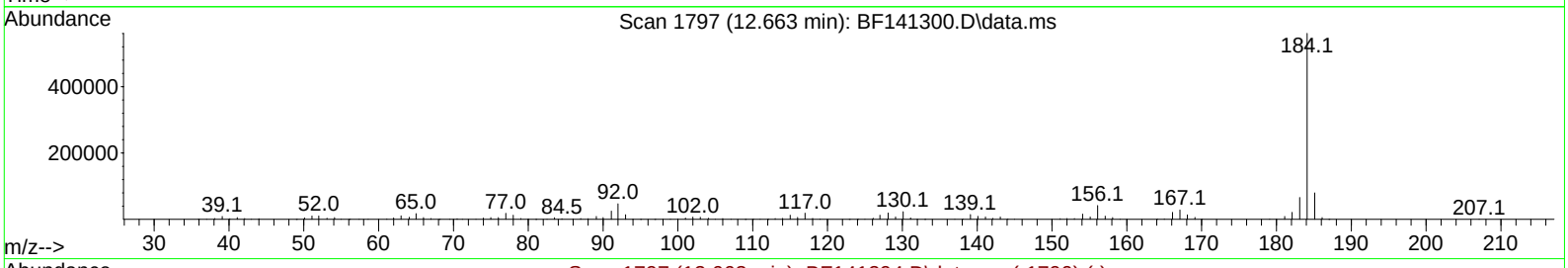
Sample Results: **BF141300.D**

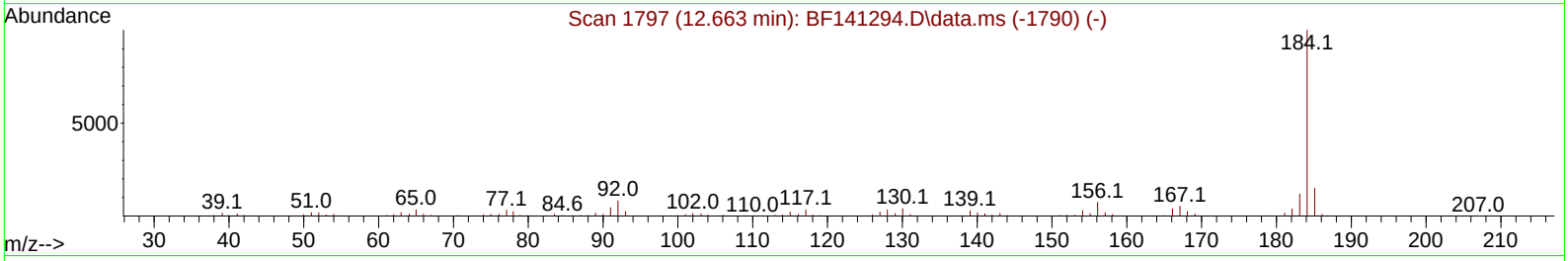
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 30 10:21:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141300.D\data.ms

(77) Benzidine

12.663min (-0.000) 23068.63 ng

response 739544

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.27
183.00	11.90	11.79
0.00	0.00	0.00

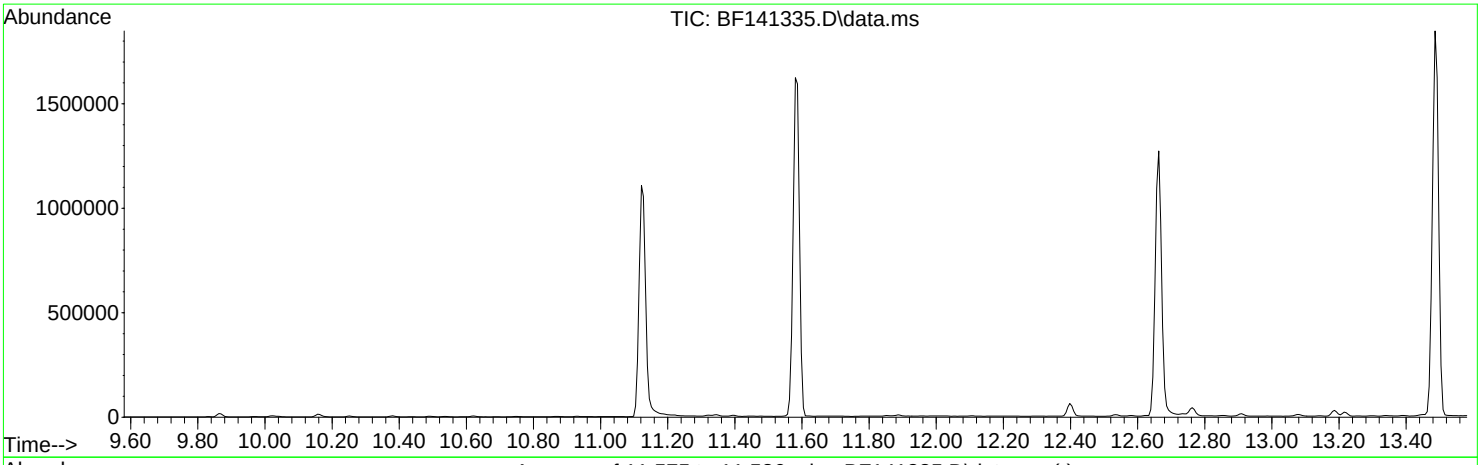
Sample Results: **BF141335.D**

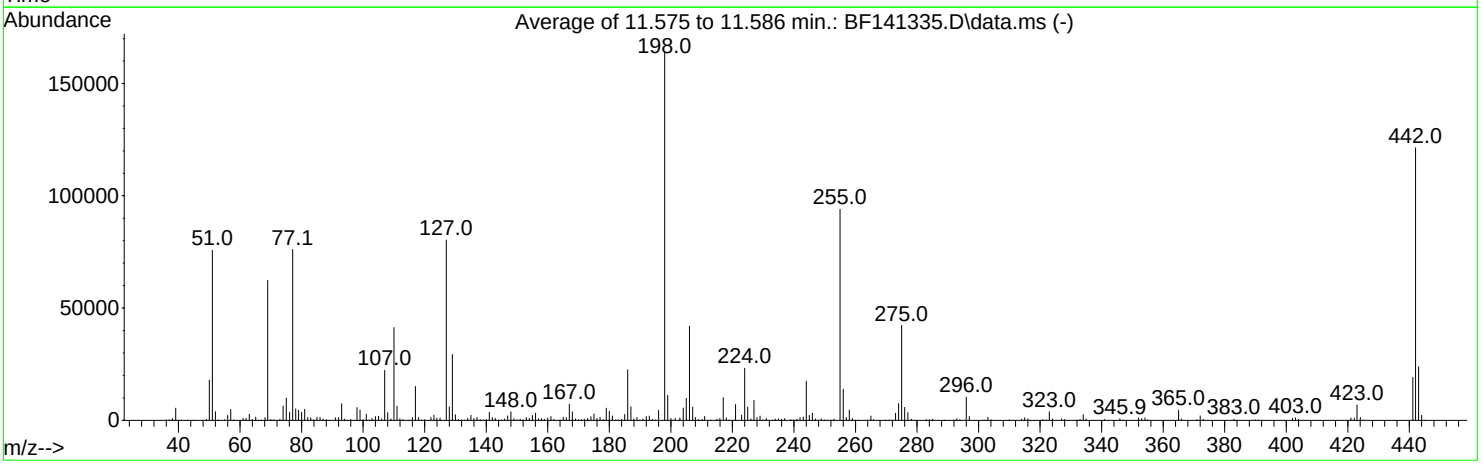
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	75704	PASS
68	69	0.00	2	1.9	1195	PASS
69	198	0.00	100	38.1	62342	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	49.0	80267	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163789	PASS
199	198	5	9	6.8	11100	PASS
275	198	10	60	25.8	42219	PASS
365	198	1	100	2.8	4575	PASS
441	198	0.01	100	11.7	19173	PASS
442	442	50	100	100.0	121349	PASS
443	442	15	24	19.7	23847	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/31/2025	BNA_F	BF141335.D
Compound Name	**Response**	**Retention Time**
DDT	464959	13.486
DDD	12206	13.186
DDE	750	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12956	477915	2.71

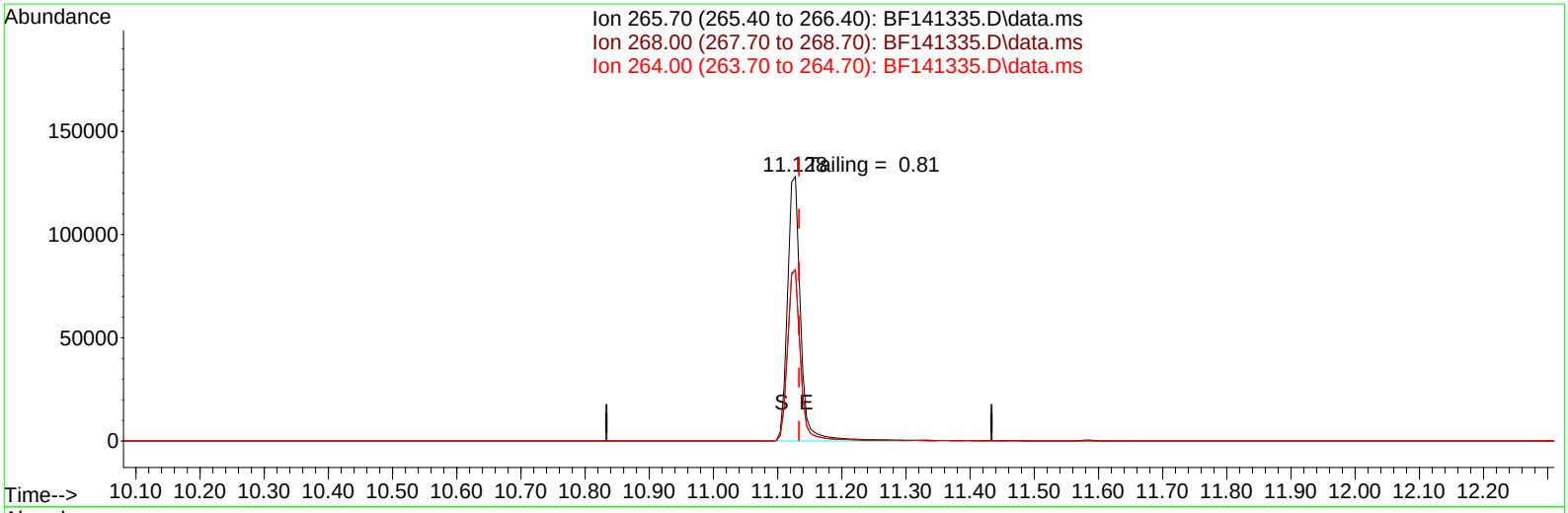
Instrument :
BNA_F
ClientSampleId :
DFTPP

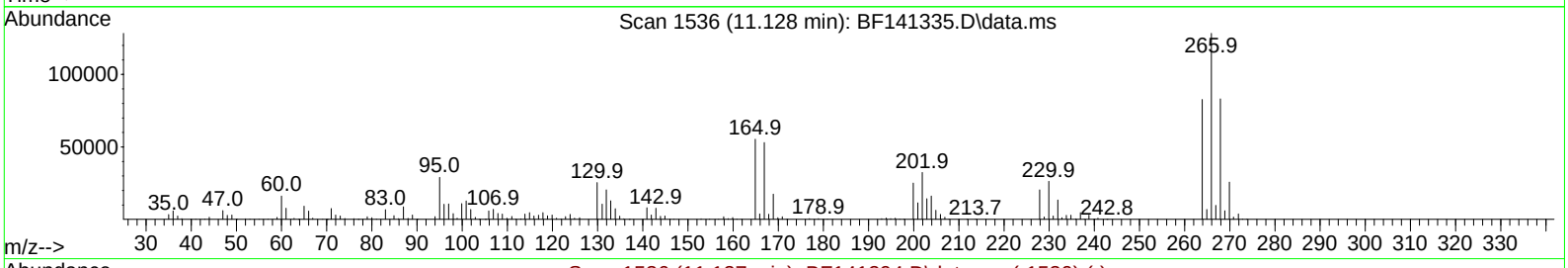
Sample Results: **BF141335.D**

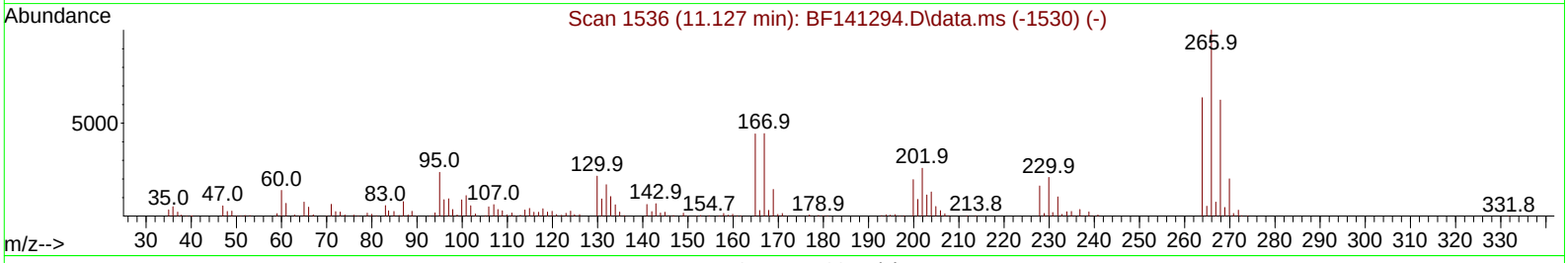
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141335.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 9273.56 ng

response 183922

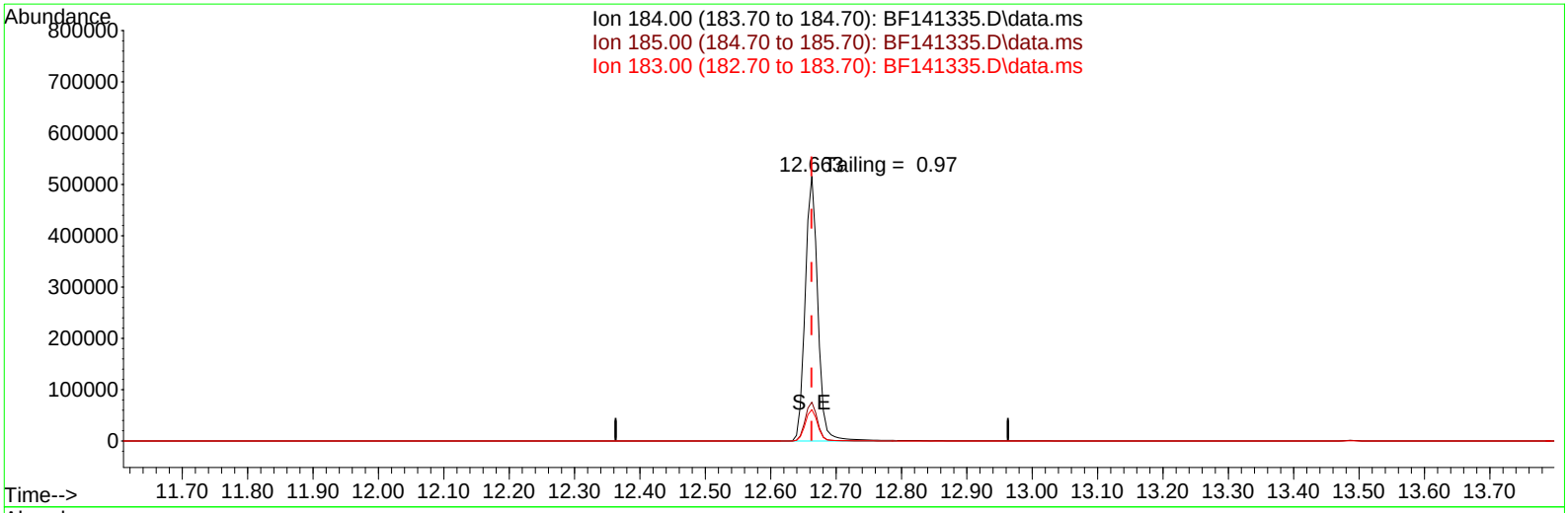
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.82
264.00	63.70	64.49
0.00	0.00	0.00

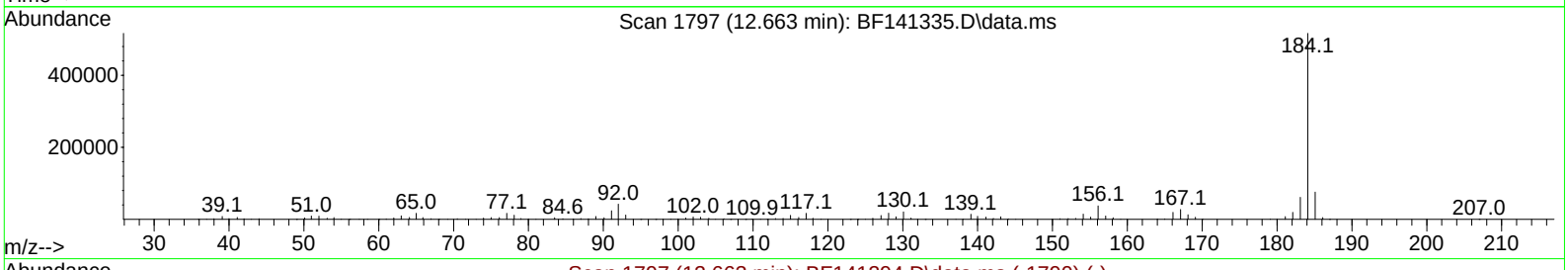
Sample Results: **BF141335.D**

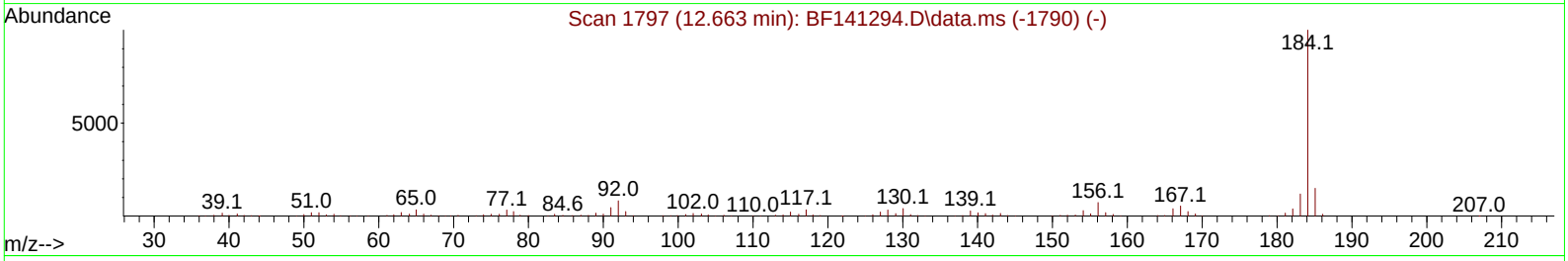
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141335.D\data.ms

(77) Benzidine

12.663min (-0.000) 12340.55 ng

response 693915

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.90	11.87
0.00	0.00	0.00

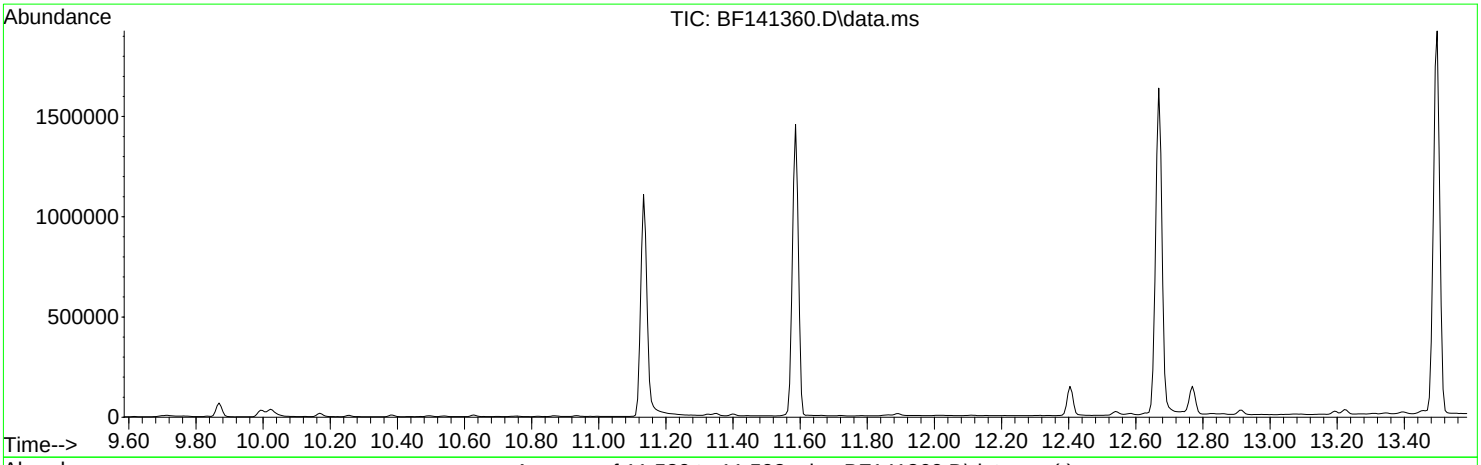
Sample Results: **BF141360.D**

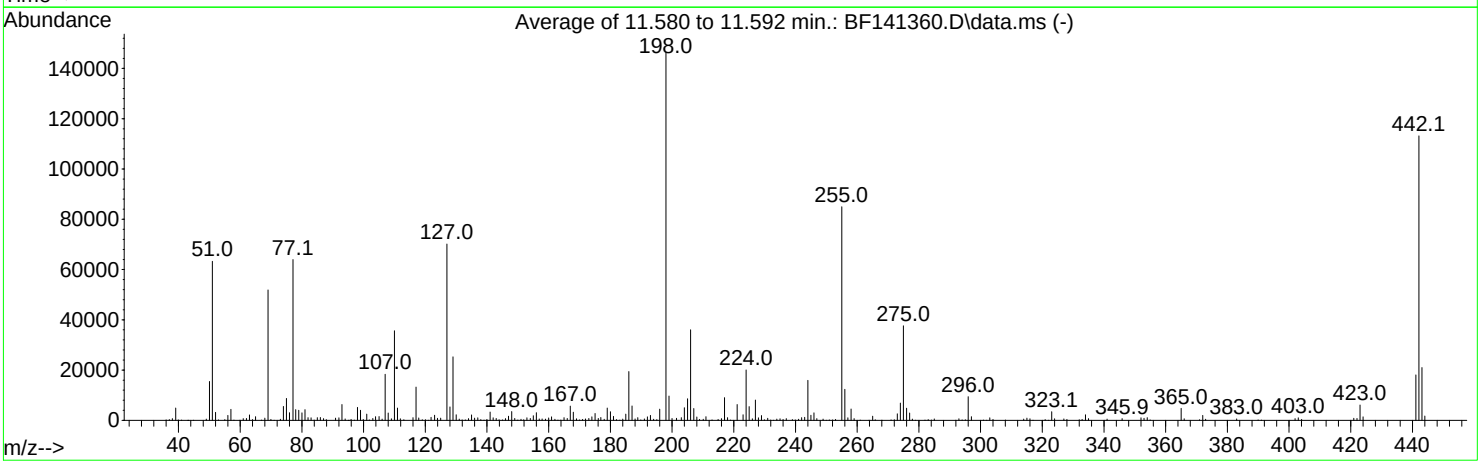
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	63285	PASS
68	69	0.00	2	1.7	900	PASS
69	198	0.00	100	35.5	51895	PASS
70	69	0.00	2	0.7	361	PASS
127	198	10	80	47.9	70147	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146336	PASS
199	198	5	9	6.6	9686	PASS
275	198	10	60	25.7	37640	PASS
365	198	1	100	3.2	4754	PASS
441	198	0.01	100	12.3	18072	PASS
442	442	50	100	100.0	113157	PASS
443	442	15	24	18.6	21030	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	BF141360.D
Compound Name	**Response**	**Retention Time**
DDT	493977	13.498
DDD	9683	13.221
DDE	491	12.857
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10174	504151	2.02

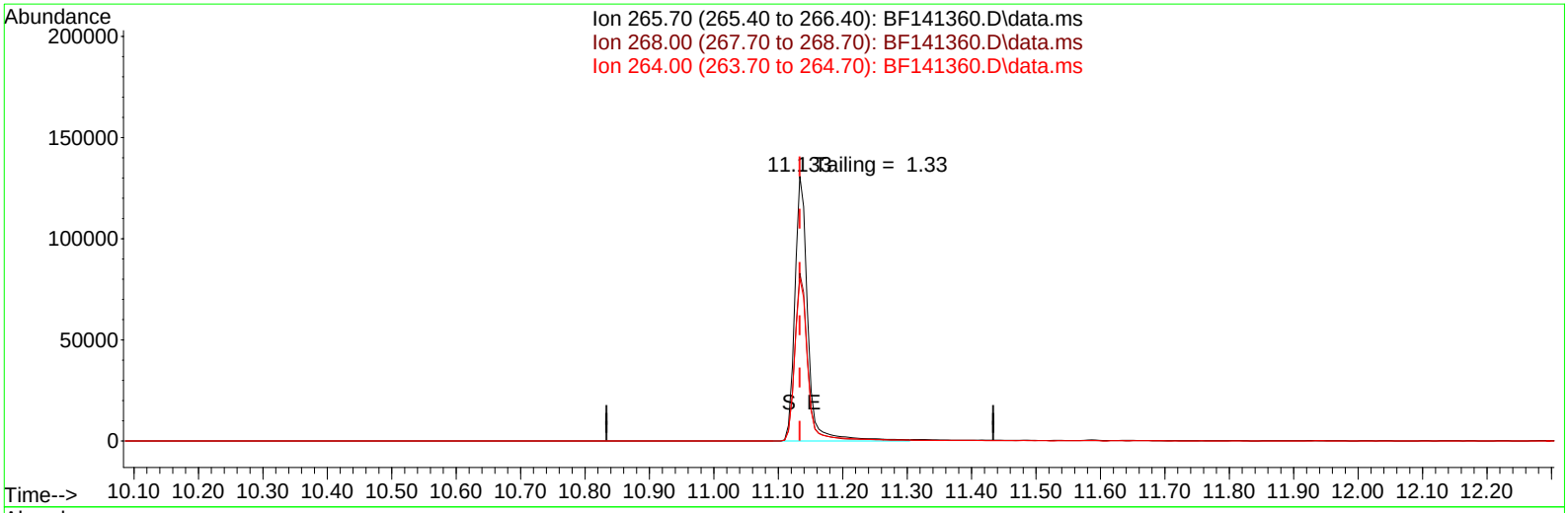
Instrument :
BNA_F
ClientSampleId :
DFTPP

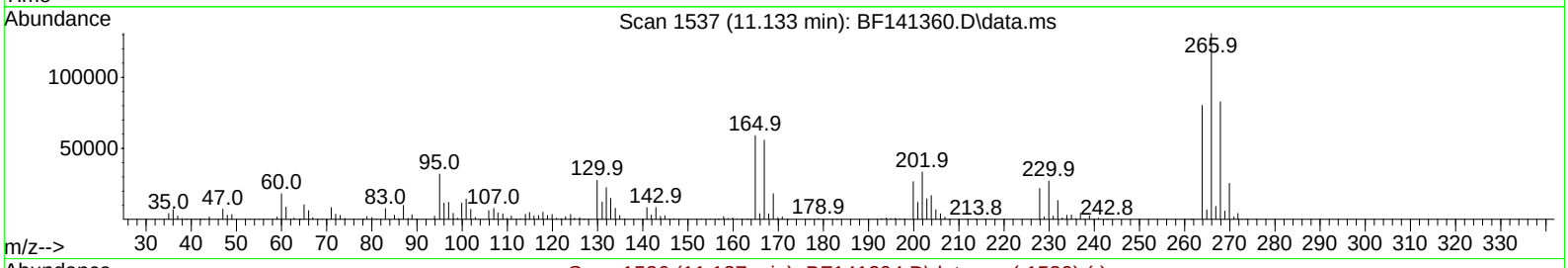
Sample Results: **BF141360.D**

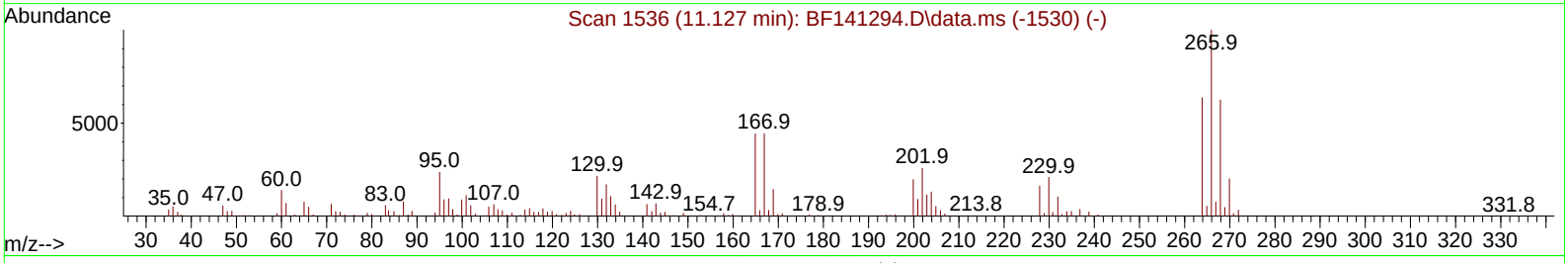
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141360.D\data.ms

(70) Pentachlorophenol (C)

11.133min (-0.000) 6278.82 ng

response 185394

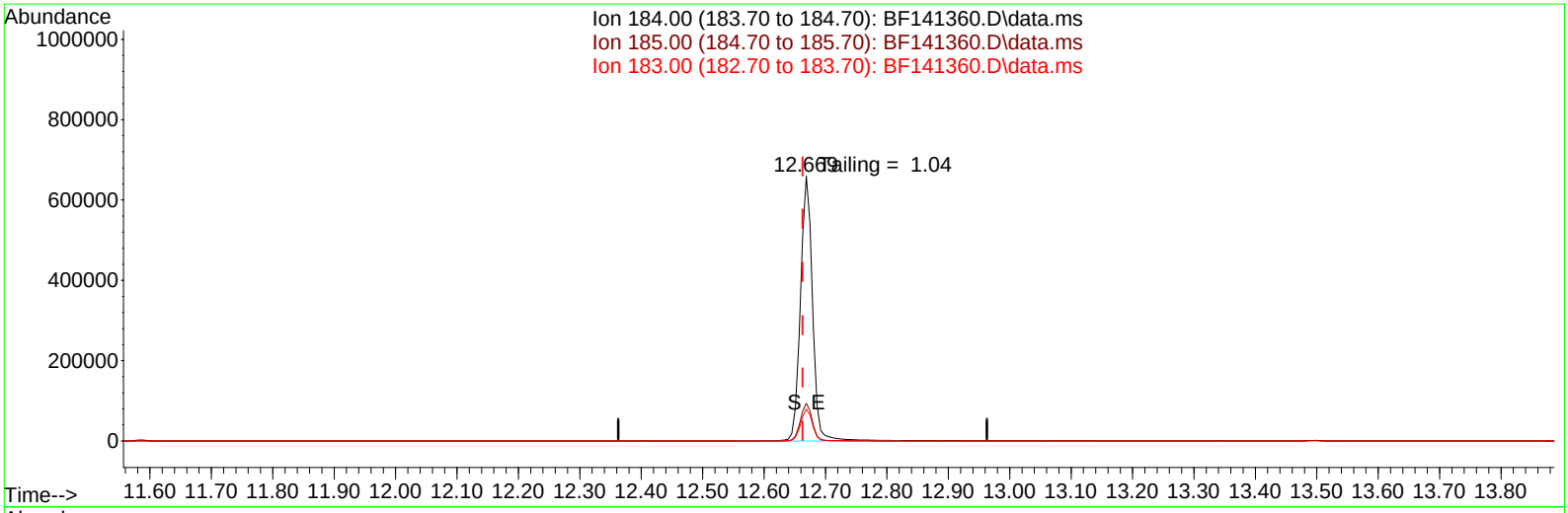
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.32
264.00	63.70	61.35
0.00	0.00	0.00

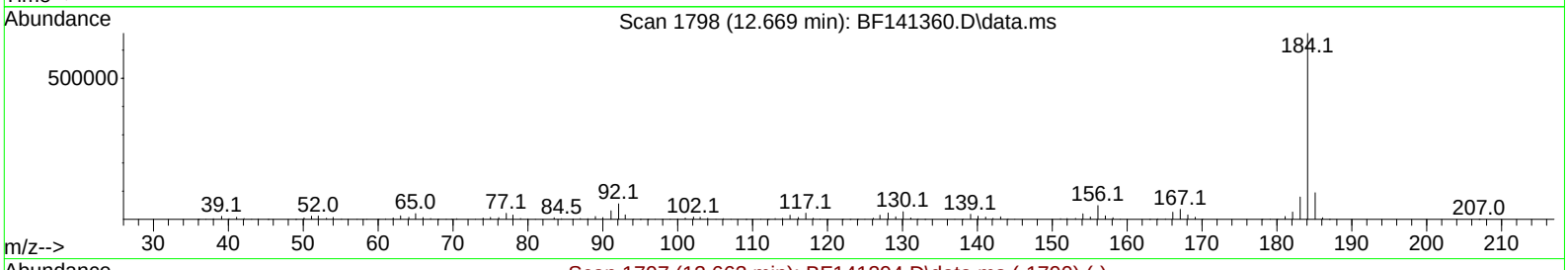
Sample Results: **BF141360.D**

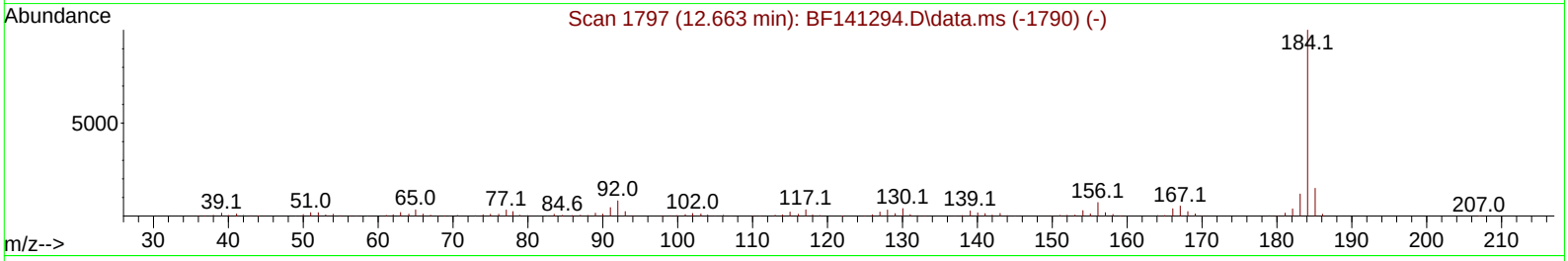
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141360.D
Acq On : 03 Feb 2025 09:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 03 12:16:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141360.D\data.ms

(77) Benzidine

12.669min (+ 0.006) 7483.96 ng

response 909791

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.28
183.00	11.90	12.04
0.00	0.00	0.00

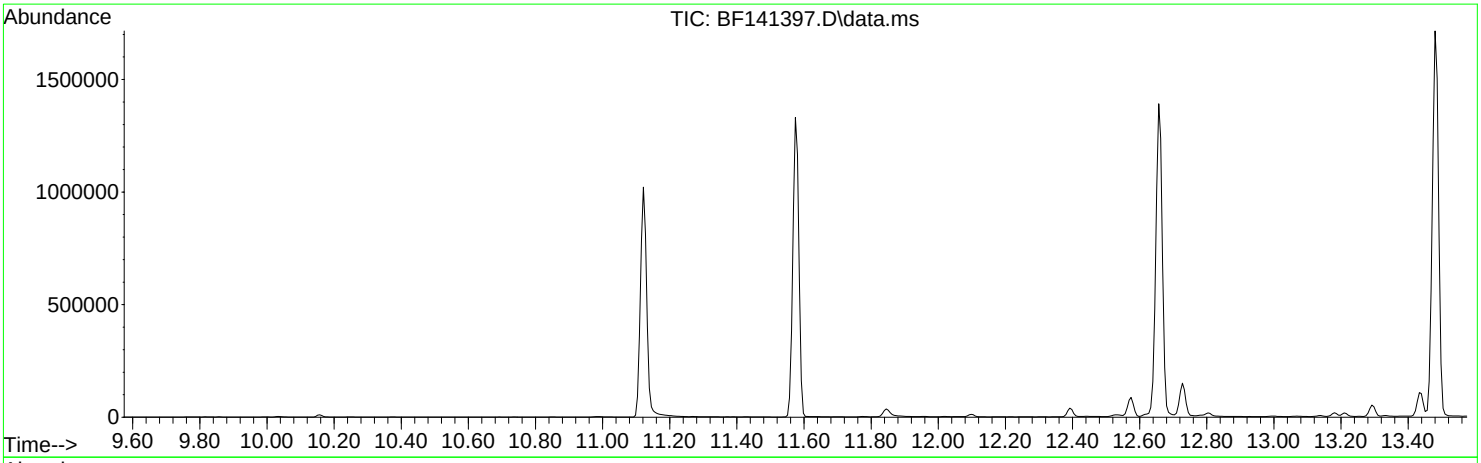
Sample Results: **BF141397.D**

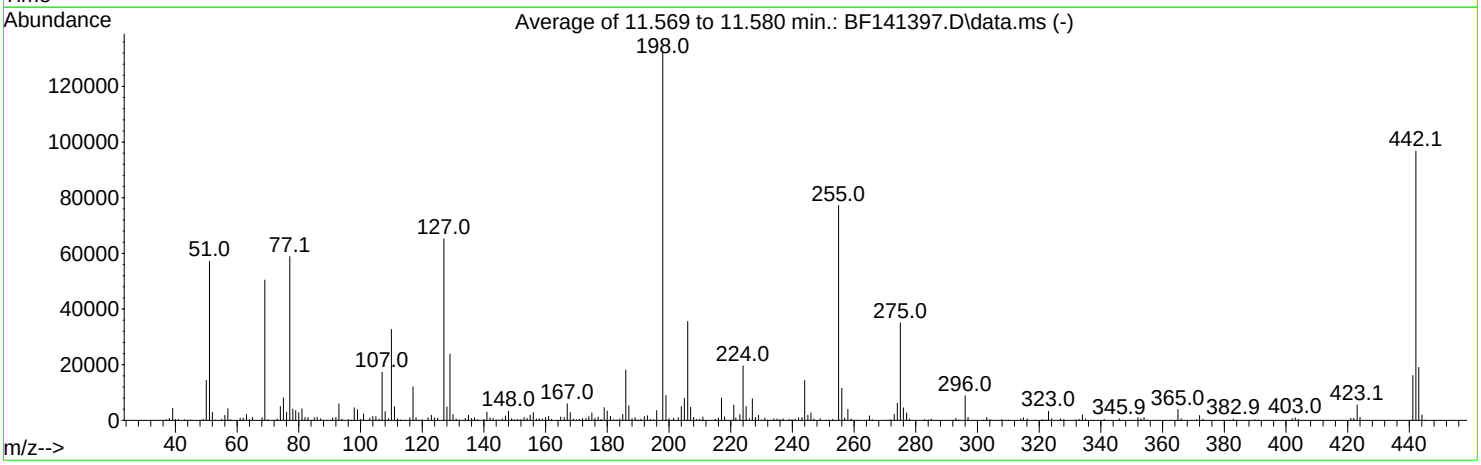
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.3	57171	PASS
68	69	0.00	2	1.9	947	PASS
69	198	0.00	100	38.1	50408	PASS
70	69	0.00	2	0.6	288	PASS
127	198	10	80	49.4	65259	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	132187	PASS
199	198	5	9	6.8	8986	PASS
275	198	10	60	26.5	35069	PASS
365	198	1	100	3.0	3931	PASS
441	198	0.01	100	12.2	16076	PASS
442	442	50	100	100.0	96717	PASS
443	442	15	24	19.7	19012	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	BF141397.D
Compound Name	**Response**	**Retention Time**
DDT	430190	13.48
DDD	8939	13.18
DDE	241	12.845
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9180	439370	2.09

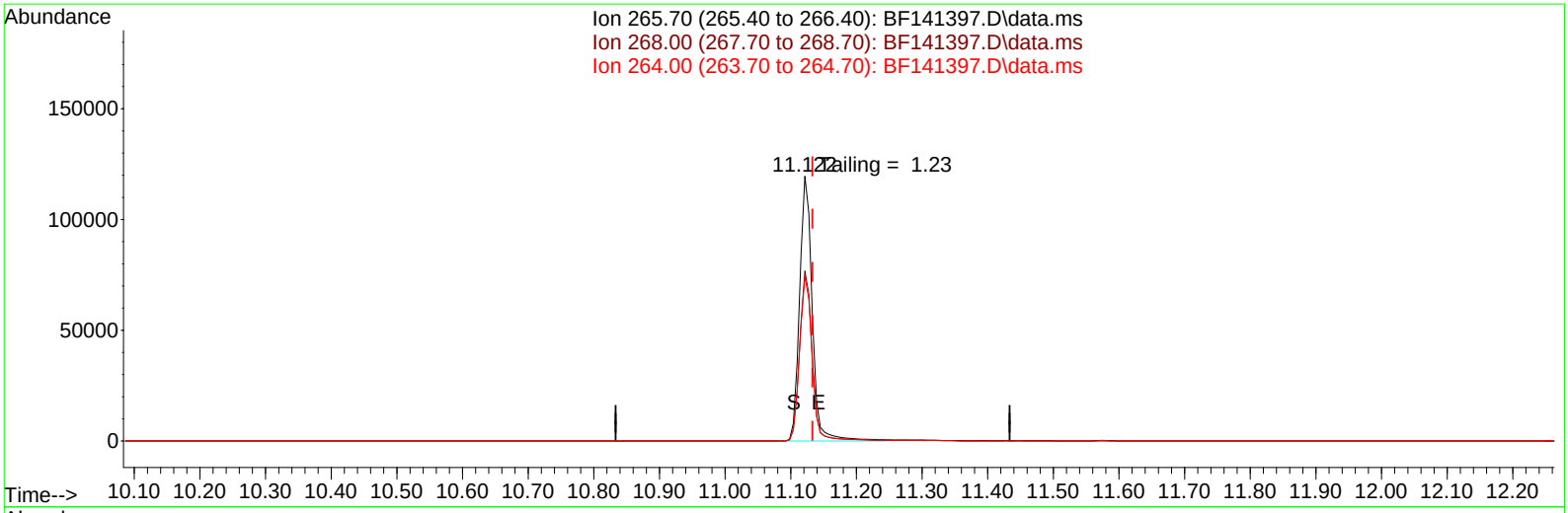
Instrument :
BNA_F
ClientSampleId :
DFTPP

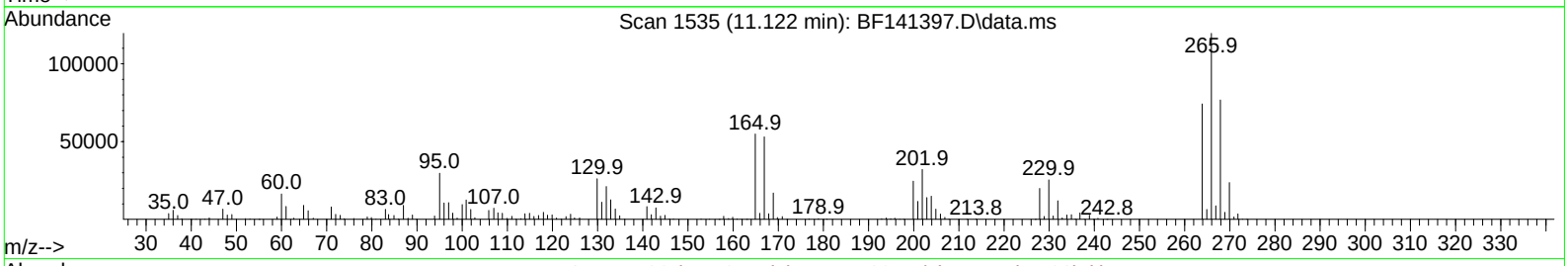
Sample Results: **BF141397.D**

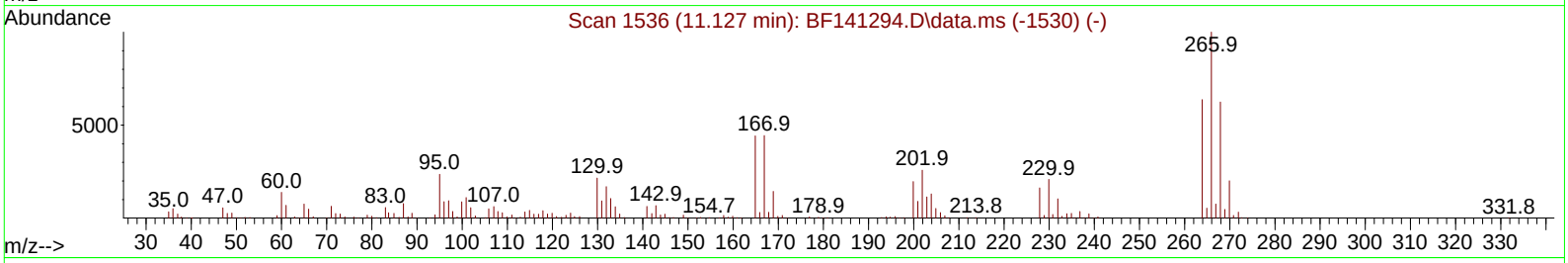
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141397.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 45312.00 ng

response 160702

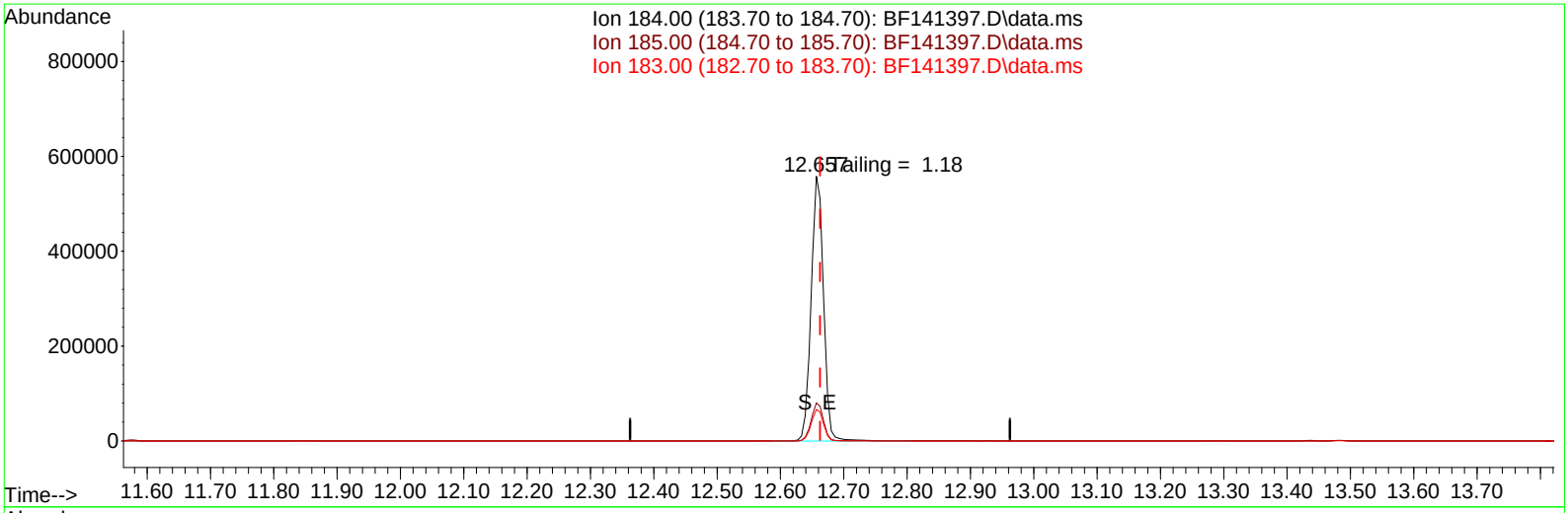
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.23
264.00	63.70	62.09
0.00	0.00	0.00

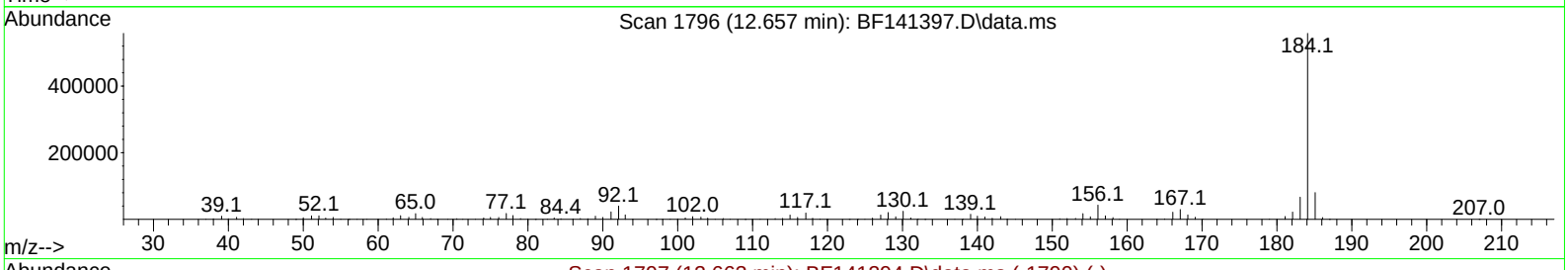
Sample Results: **BF141397.D**

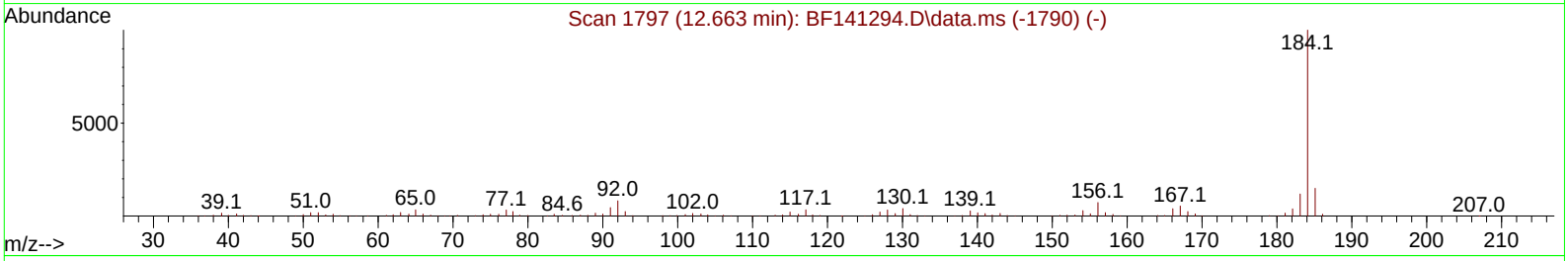
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141397.D
Acq On : 04 Feb 2025 10:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 11:33:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141397.D\data.ms

(77) Benzidine

12.657min (-0.006) 113140.91 ng

response 761695

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.38
183.00	11.90	11.93
0.00	0.00	0.00

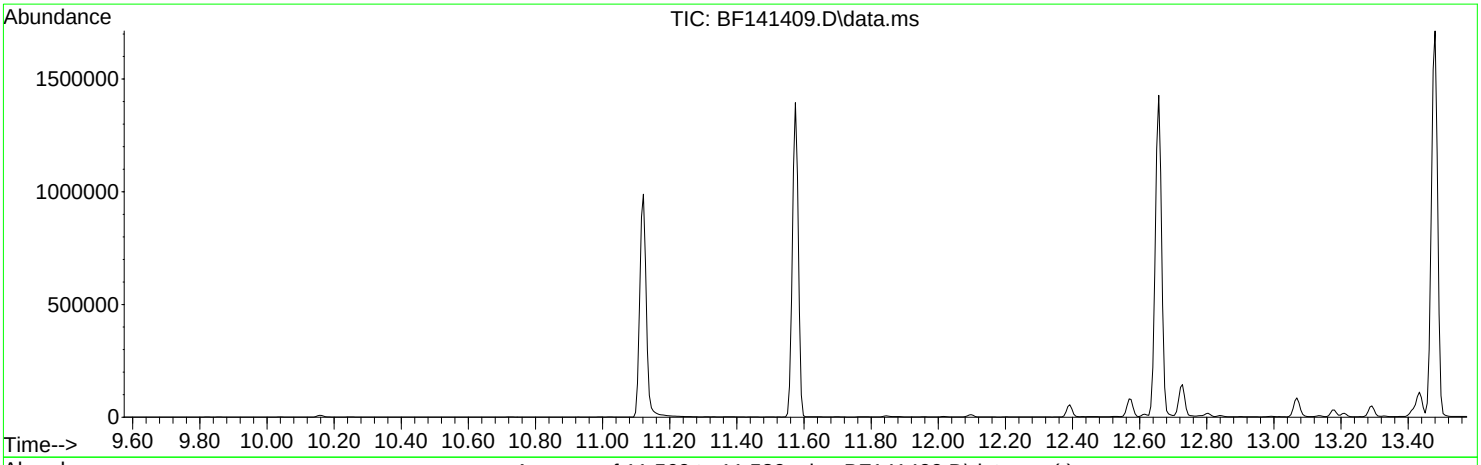
Sample Results: **BF141409.D**

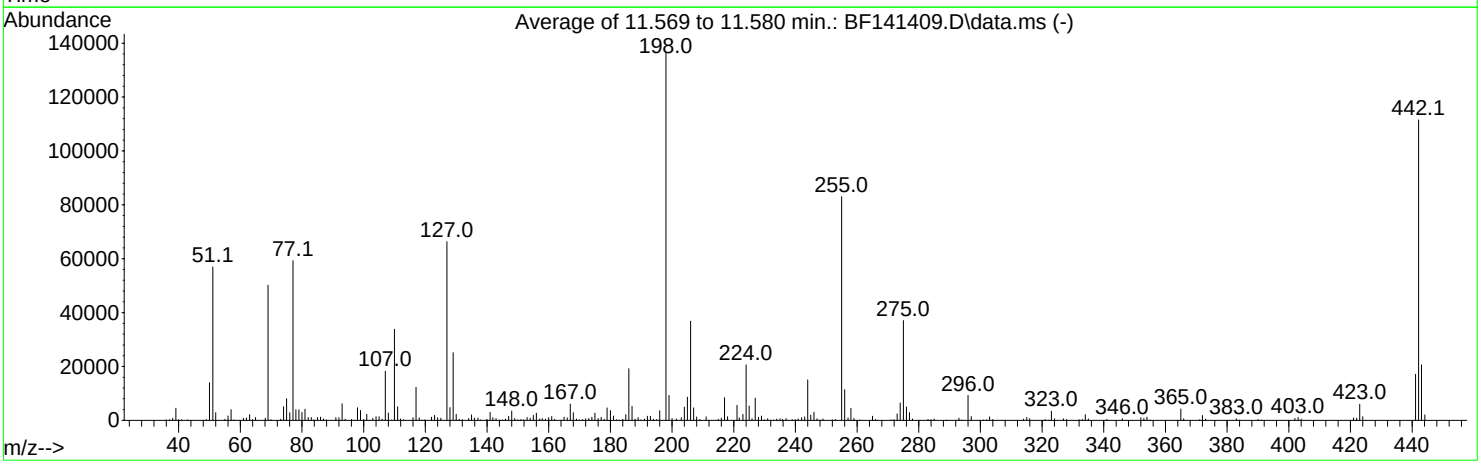
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	56976	PASS
68	69	0.00	2	1.7	844	PASS
69	198	0.00	100	36.7	50160	PASS
70	69	0.00	2	0.6	317	PASS
127	198	10	80	48.6	66312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	136541	PASS
199	198	5	9	6.8	9266	PASS
275	198	10	60	27.1	37069	PASS
365	198	1	100	3.1	4251	PASS
441	198	0.01	100	12.5	17108	PASS
442	442	50	100	100.0	111555	PASS
443	442	15	24	18.5	20620	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	BF141409.D
Compound Name	**Response**	**Retention Time**
DDT	427881	13.48
DDD	13296	13.18
DDE	1486	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14782	442663	3.34

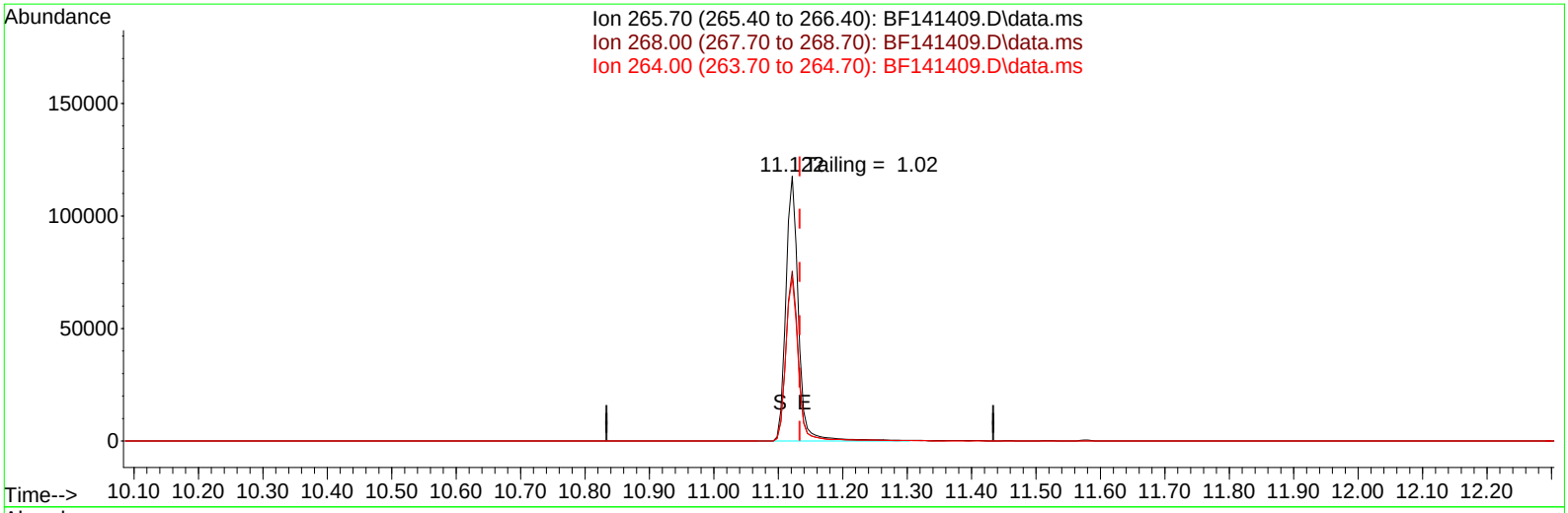
Instrument :
BNA_F
ClientSampleId :
DFTPP

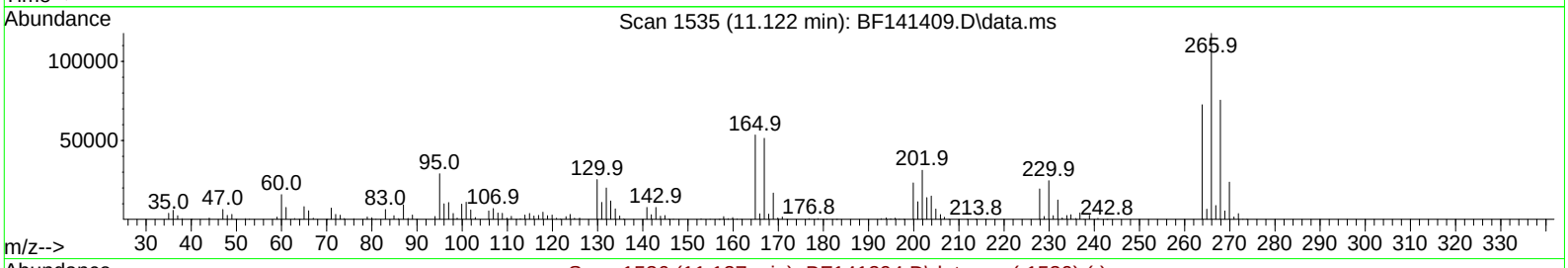
Sample Results: **BF141409.D**

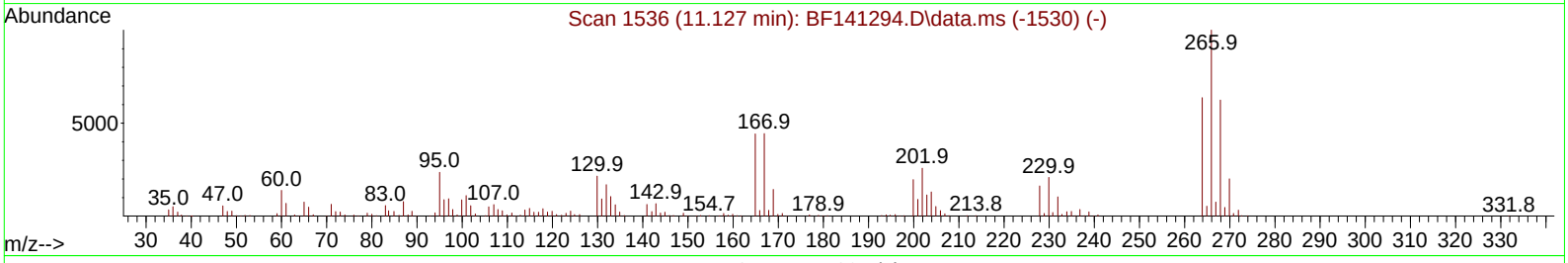
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141409.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 188004.57 ng

response 159502

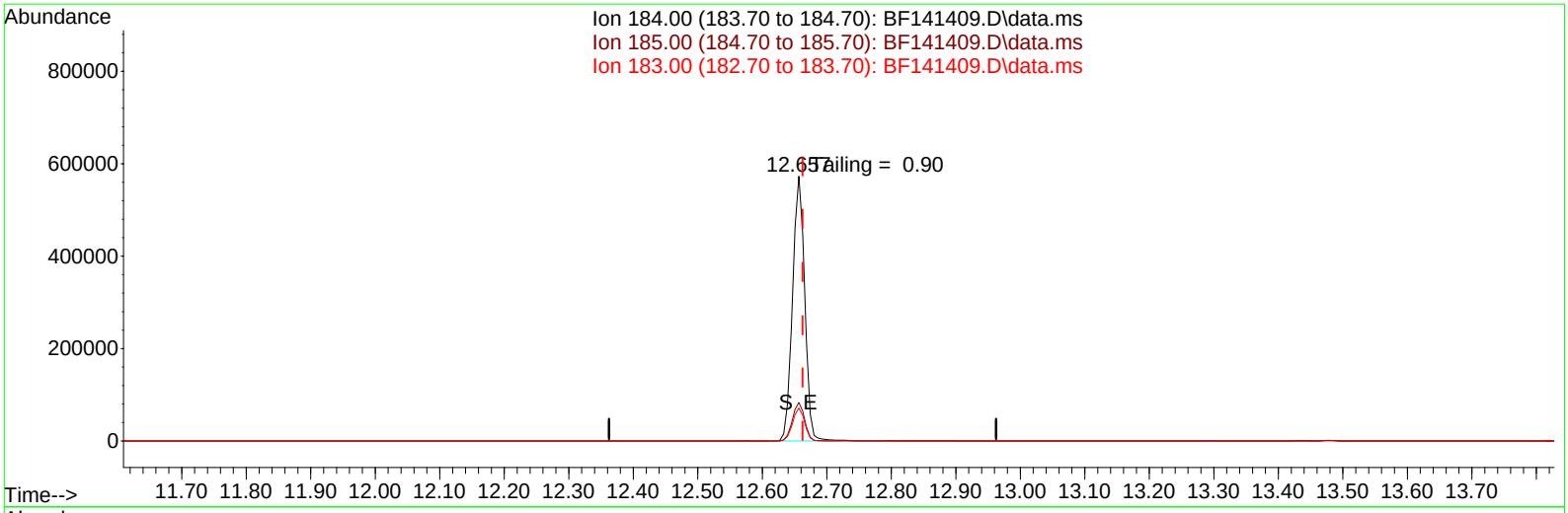
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.16
264.00	63.70	61.66
0.00	0.00	0.00

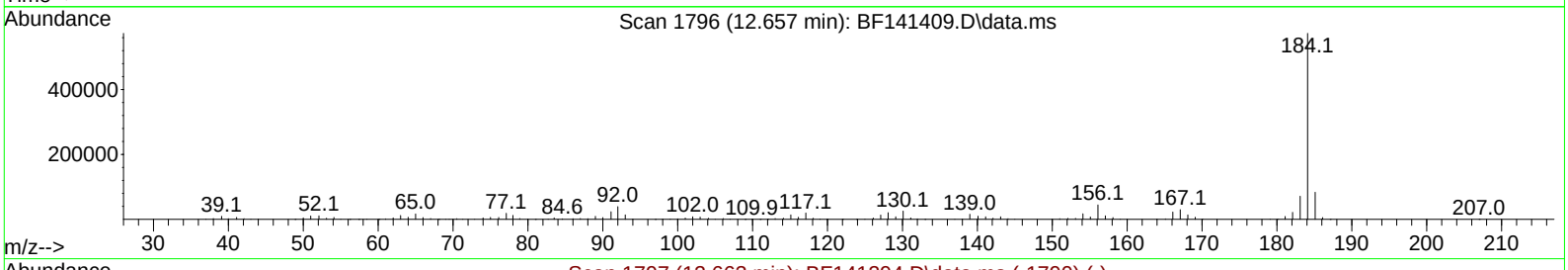
Sample Results: **BF141409.D**

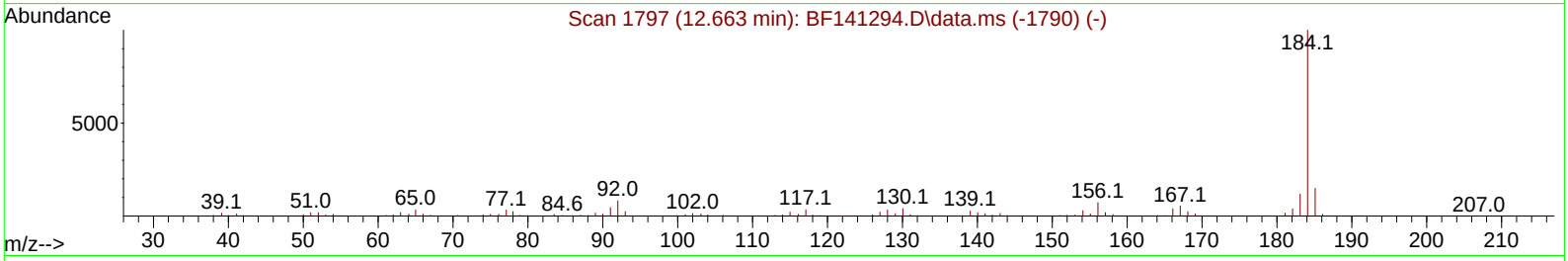
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141409.D\data.ms

(77) Benzidine

12.657min (-0.006) 200133.30 ng m

response 757083

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.56
183.00	11.90	12.42
0.00	0.00	0.00

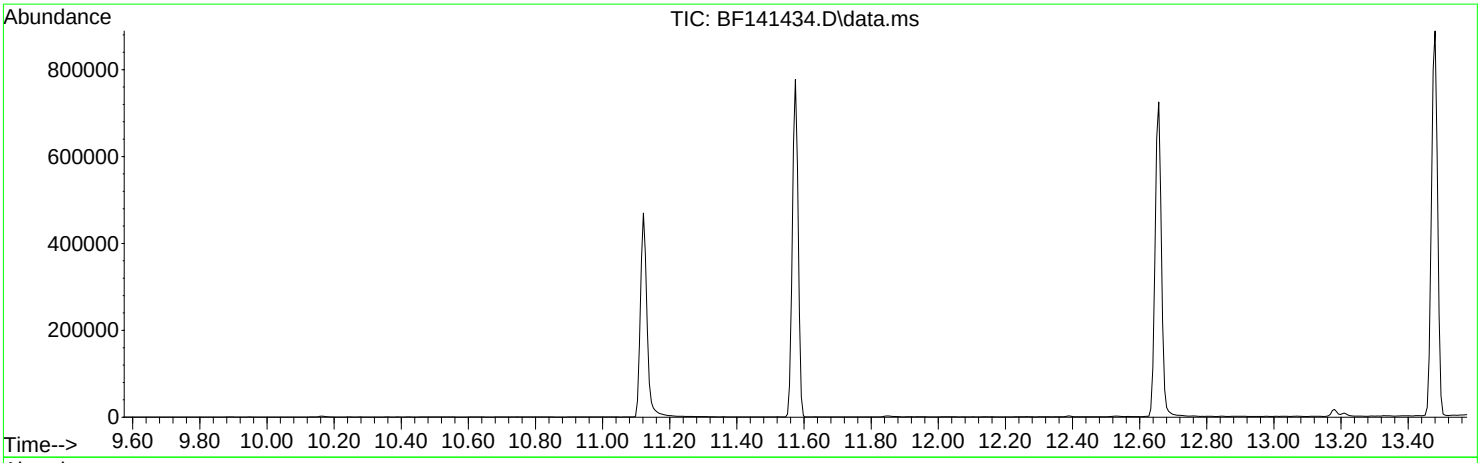
Sample Results: **BF141434.D**

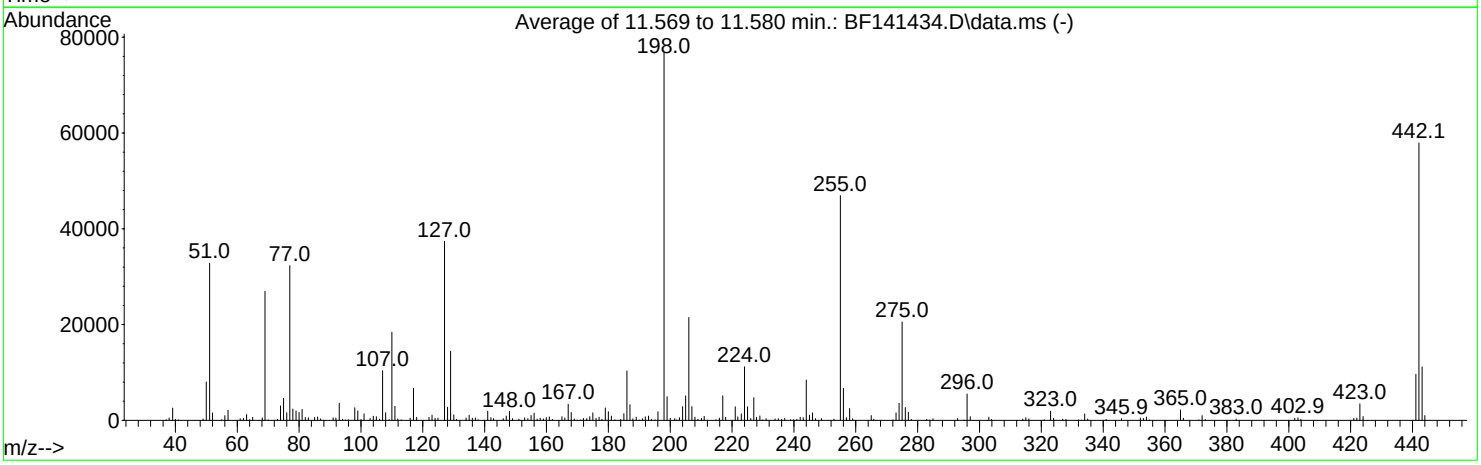
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.7	32805	PASS
68	69	0.00	2	2.0	529	PASS
69	198	0.00	100	35.1	26925	PASS
70	69	0.00	2	0.4	108	PASS
127	198	10	80	48.7	37376	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	76800	PASS
199	198	5	9	6.4	4937	PASS
275	198	10	60	26.8	20563	PASS
365	198	1	100	2.8	2166	PASS
441	198	0.01	100	12.5	9611	PASS
442	442	50	100	100.0	57928	PASS
443	442	15	24	19.2	11149	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/5/2025	BNA_F	BF141434.D
Compound Name	**Response**	**Retention Time**
DDT	219771	13.48
DDD	7608	13.18
DDE	480	12.845
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8088	227859	3.55

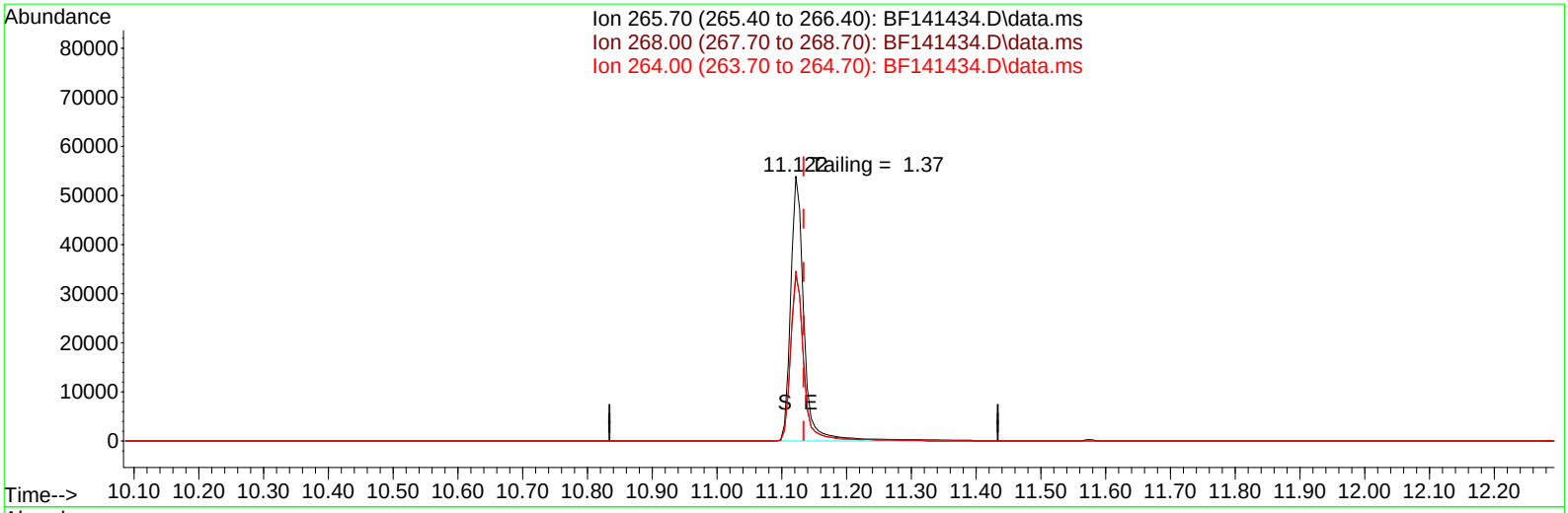
Instrument :
BNA_F
ClientSampleId :
DFTPP

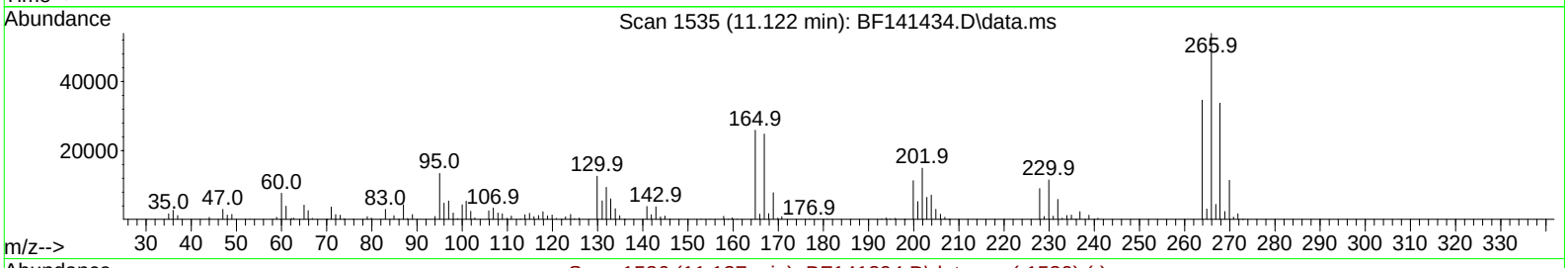
Sample Results: **BF141434.D**

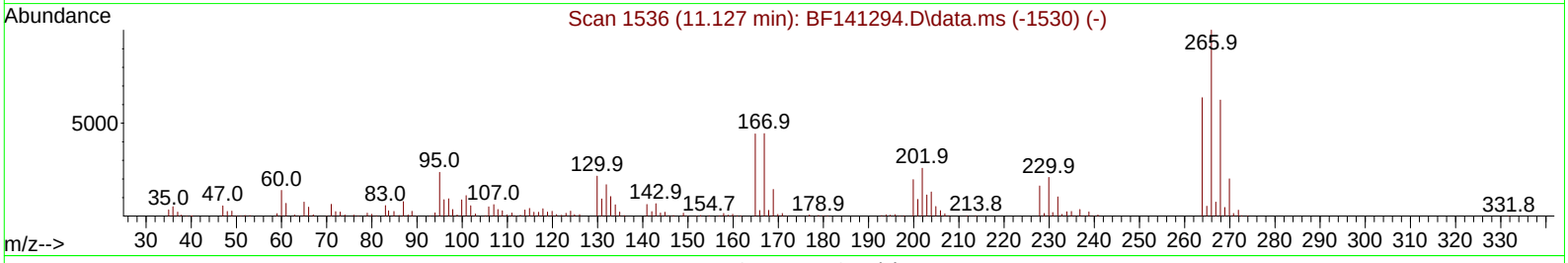
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141434.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 27136.66 ng

response 77371

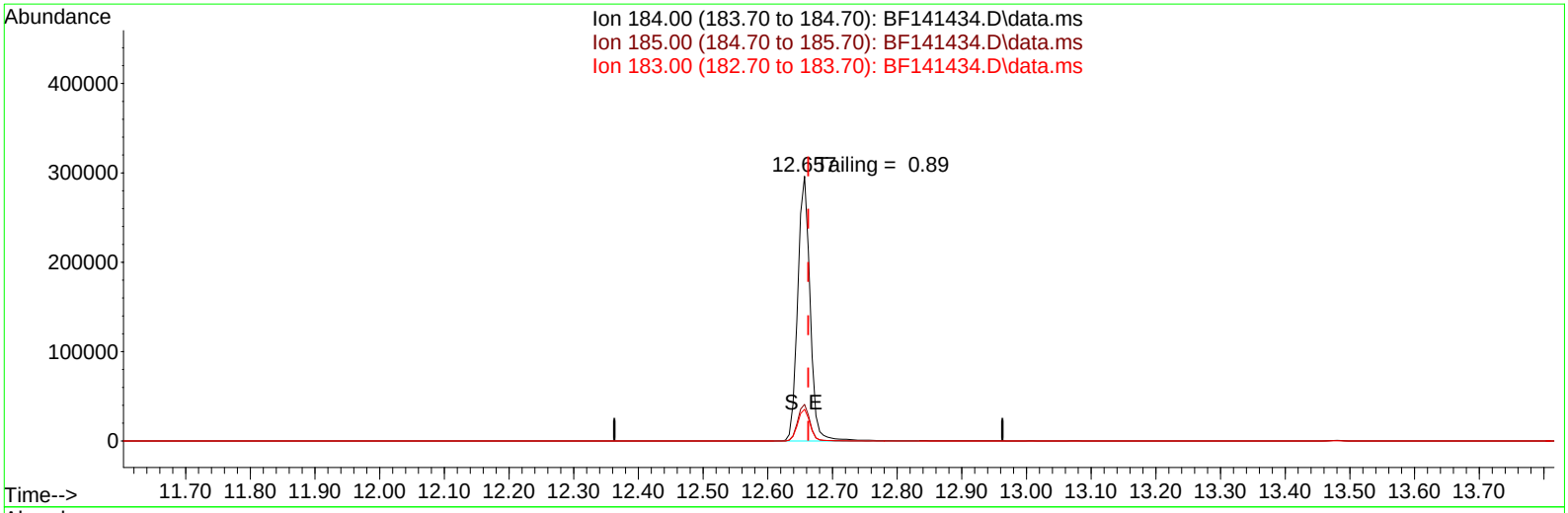
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.57
264.00	63.70	64.19
0.00	0.00	0.00

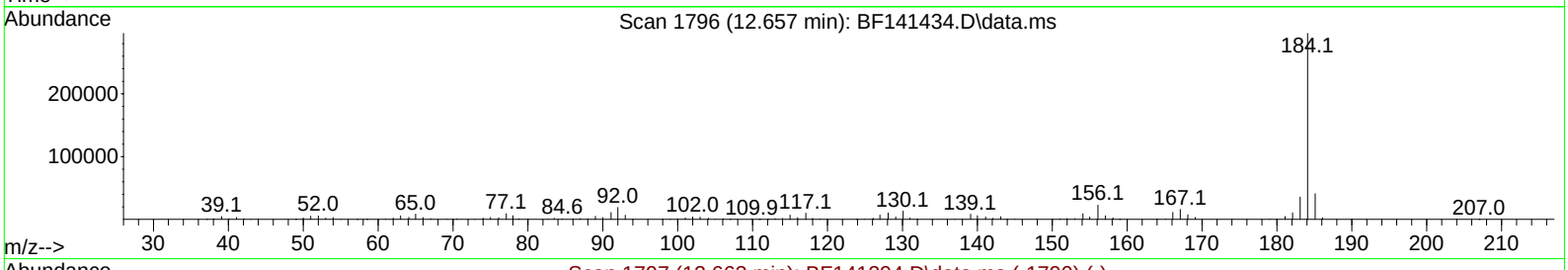
Sample Results: **BF141434.D**

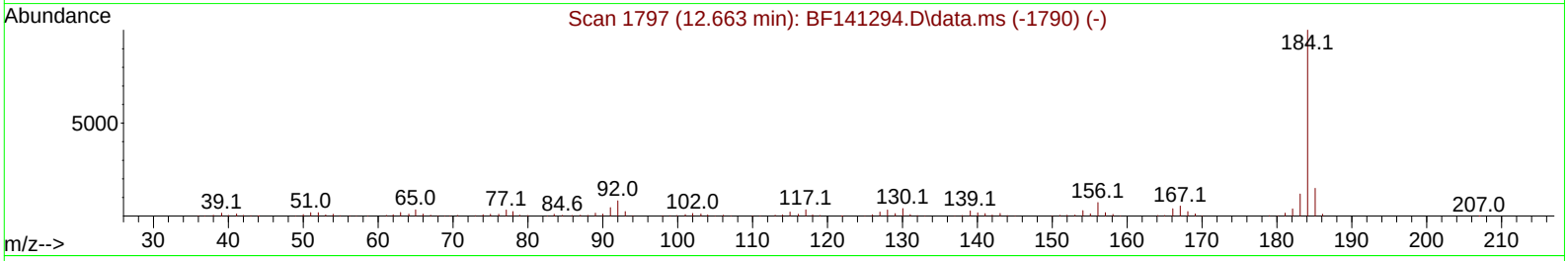
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141434.D\data.ms

(77) Benzidine

12.657min (-0.006) 0.00 ng

response 393319

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	13.83
183.00	11.90	12.02
0.00	0.00	0.00

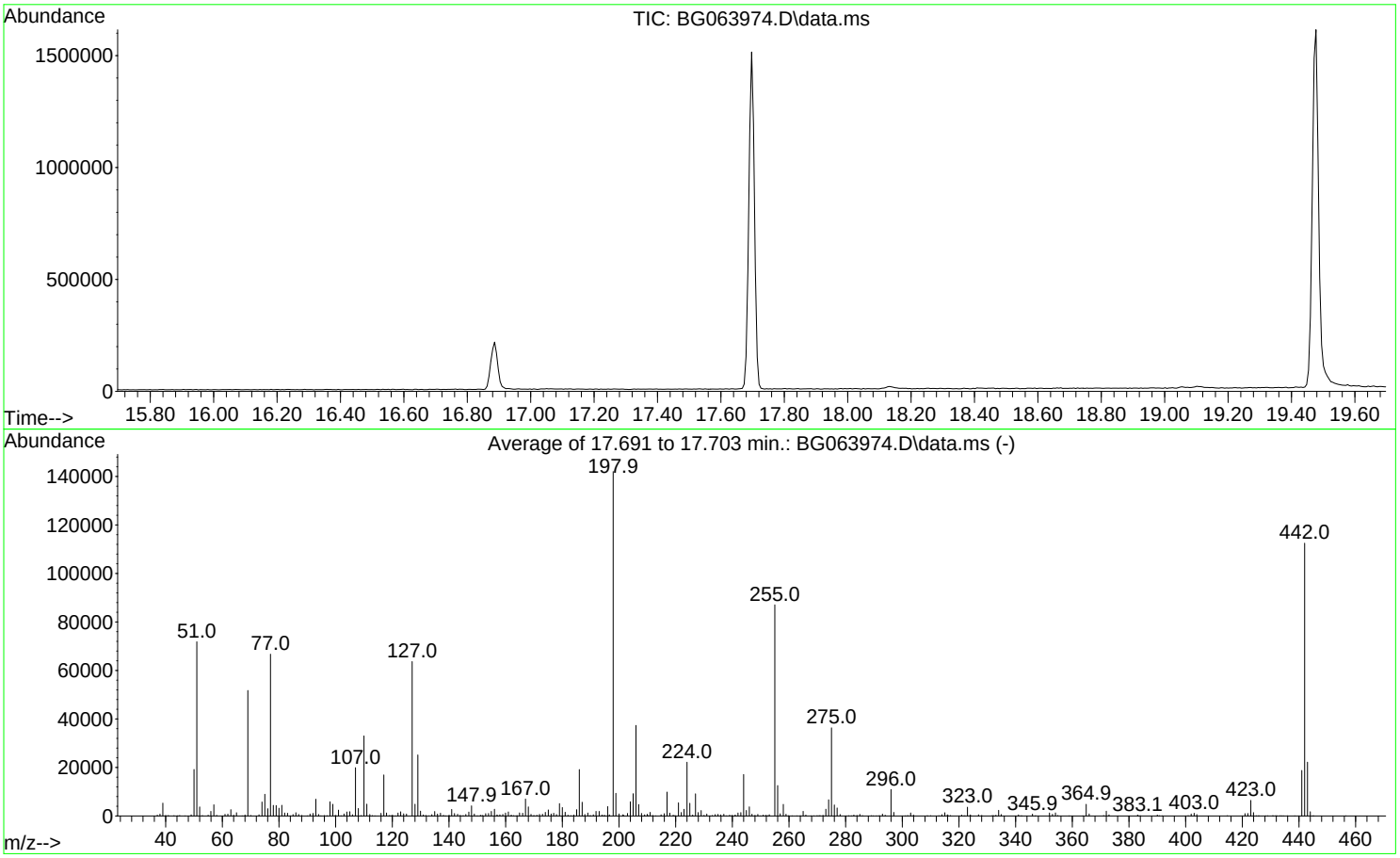
Sample Results: **BG063974.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063974.D
Acq On : 3 Feb 2025 10:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Feb 04 02:51:00 2025



AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

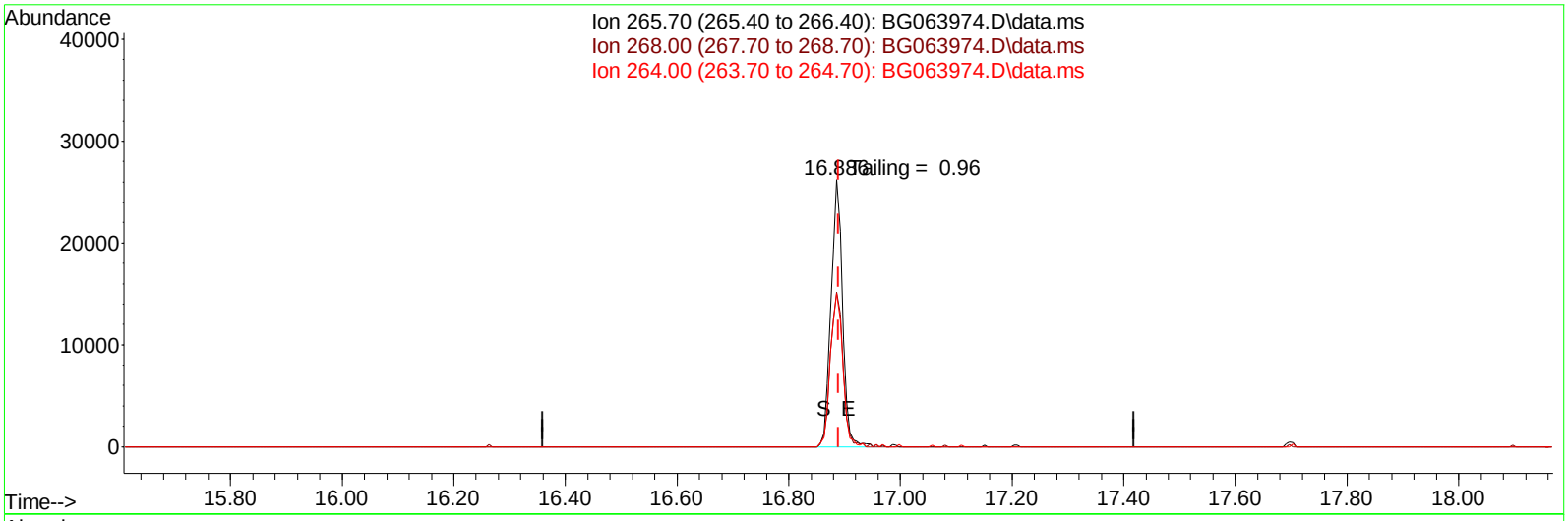
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	50.6	71845	PASS
68	69	0.00	2	0.8	422	PASS
69	198	0.00	100	36.4	51767	PASS
70	69	0.00	2	0.4	214	PASS
127	198	10	80	44.8	63667	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	142024	PASS
199	198	5	9	6.6	9345	PASS
275	198	10	60	25.6	36341	PASS
365	198	1	100	3.4	4818	PASS
441	198	0.01	100	13.2	18774	PASS
442	442	50	100	100.0	112480	PASS
443	442	15	24	19.7	22199	PASS

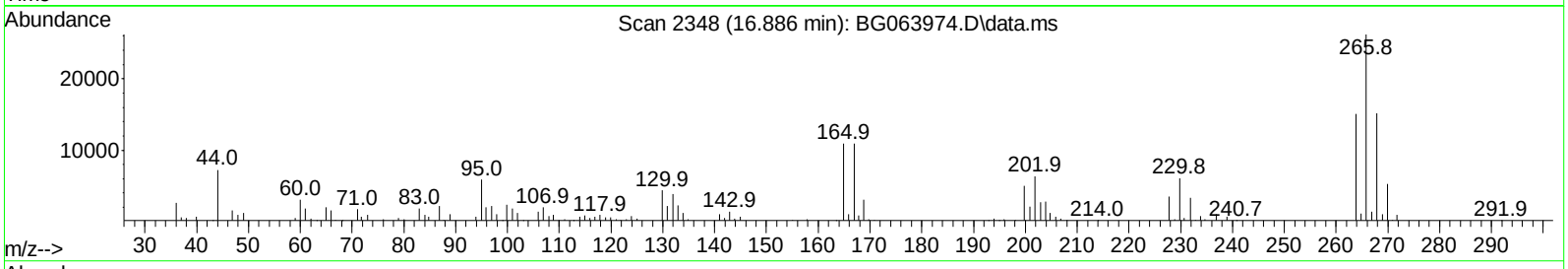
Sample Results: **BG063974.D**

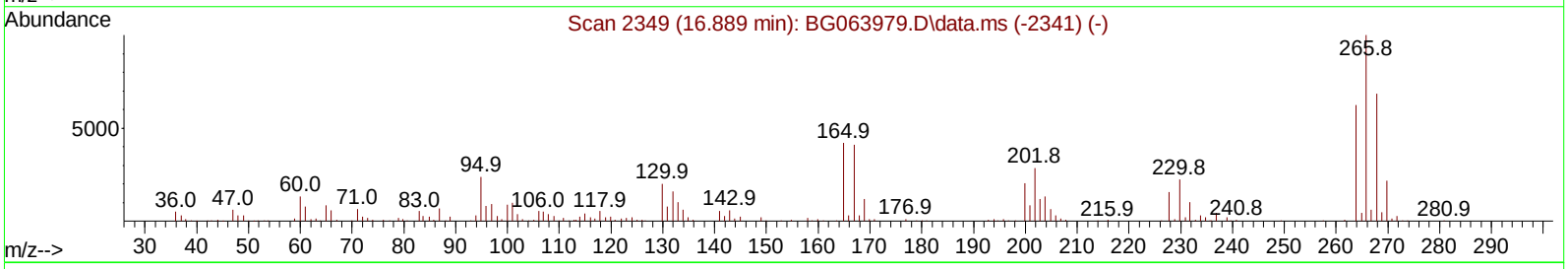
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063974.D
Acq On : 3 Feb 2025 10:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Feb 04 02:35:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:30:48 2025
Response via : Initial Calibration







TIC: BG063974.D\data.ms

(70) Pentachlorophenol (C)

16.886min (-0.003) 74371.74 ng

response 37632

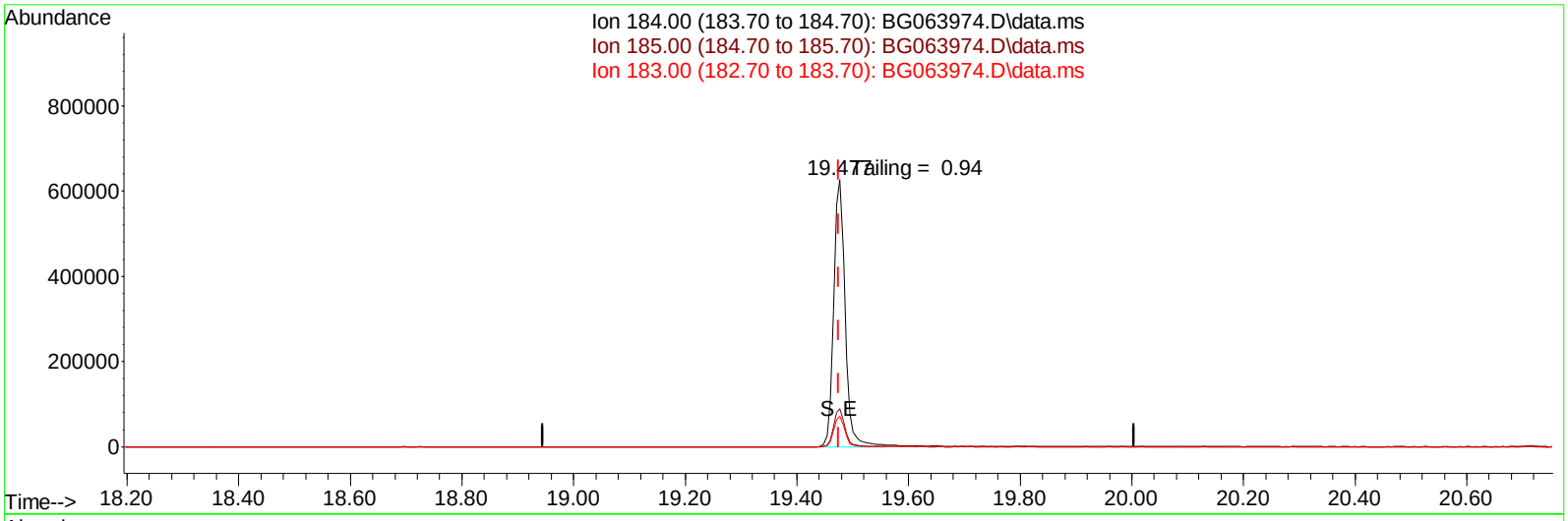
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.50	57.98
264.00	62.50	57.48
0.00	0.00	0.00

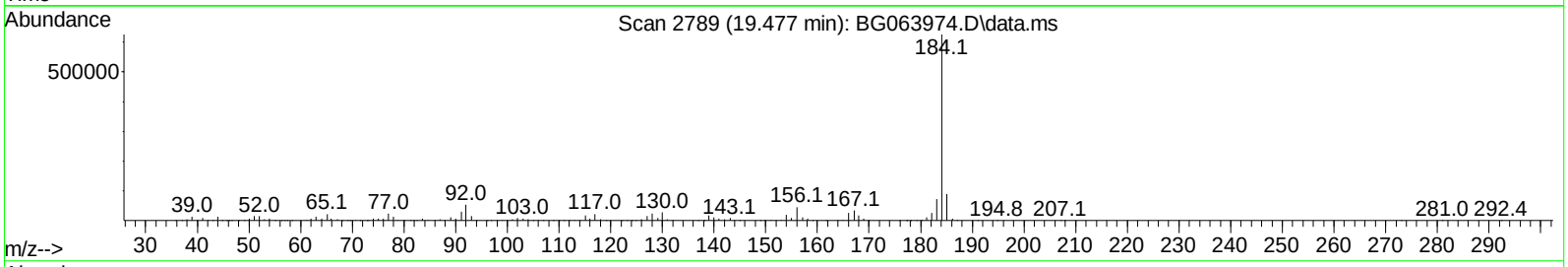
Sample Results: **BG063974.D**

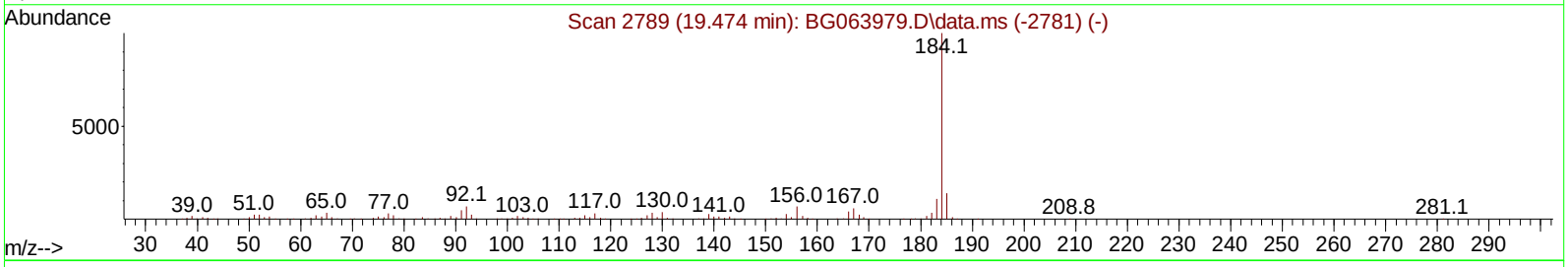
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020325\
Data File : BG063974.D
Acq On : 3 Feb 2025 10:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Feb 04 02:35:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:30:48 2025
Response via : Initial Calibration







TIC: BG063974.D\data.ms

(77) Benzidine

19.477min (+ 0.003) 7478.24 ng

response 894155

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	14.19
183.00	10.90	11.51
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_G	BG063974.D
Compound Name	**Response**	**Retention Time**
DDT	186437	20.711
DDD	3510	20.27
DDE	99	19.777
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3609	190046	1.90

Instrument :
BNA_G
ClientSampleId :
DFTPP

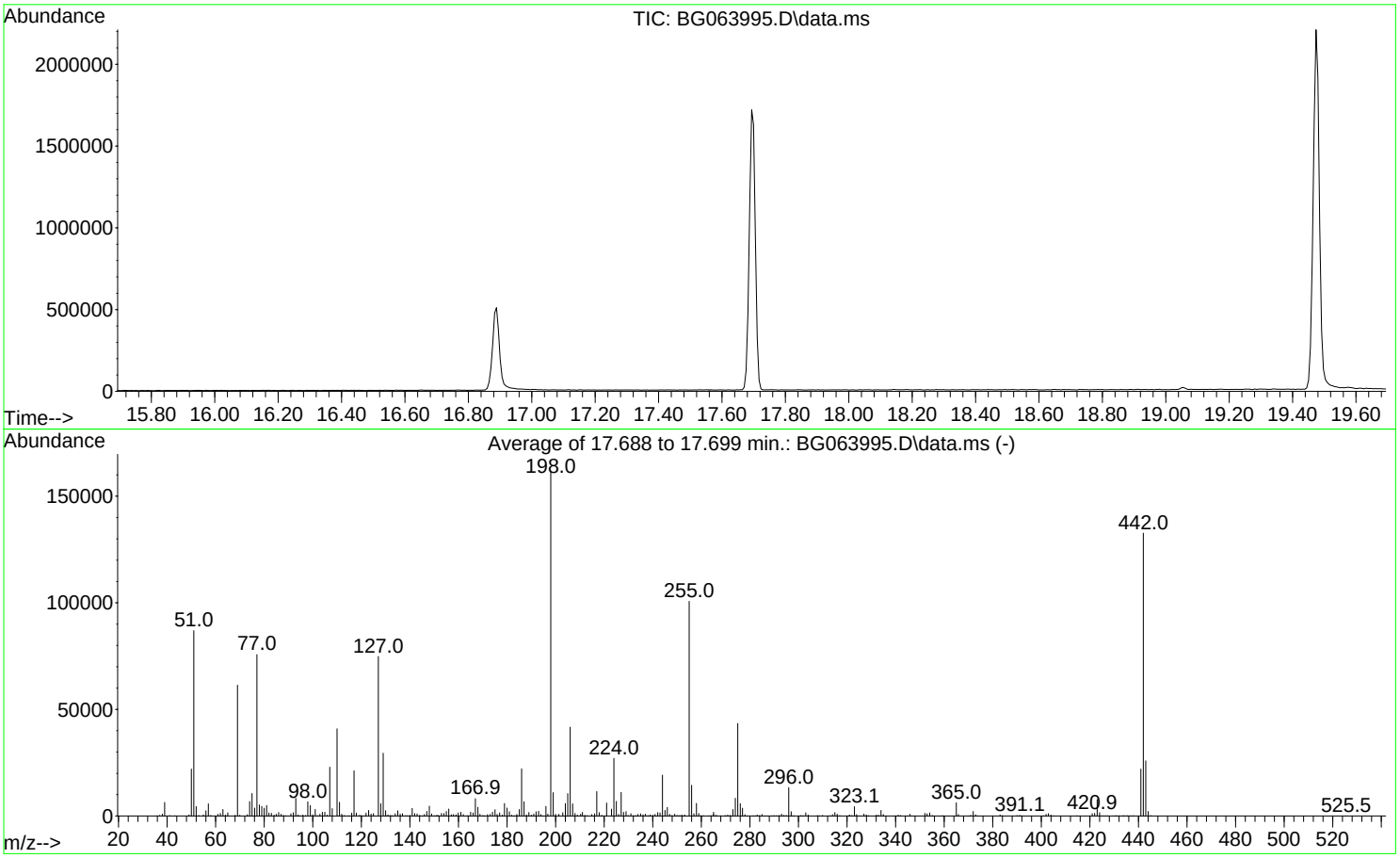
Sample Results: **BG063995.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063995.D
Acq On : 5 Feb 2025 8:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Feb 04 02:51:00 2025



AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

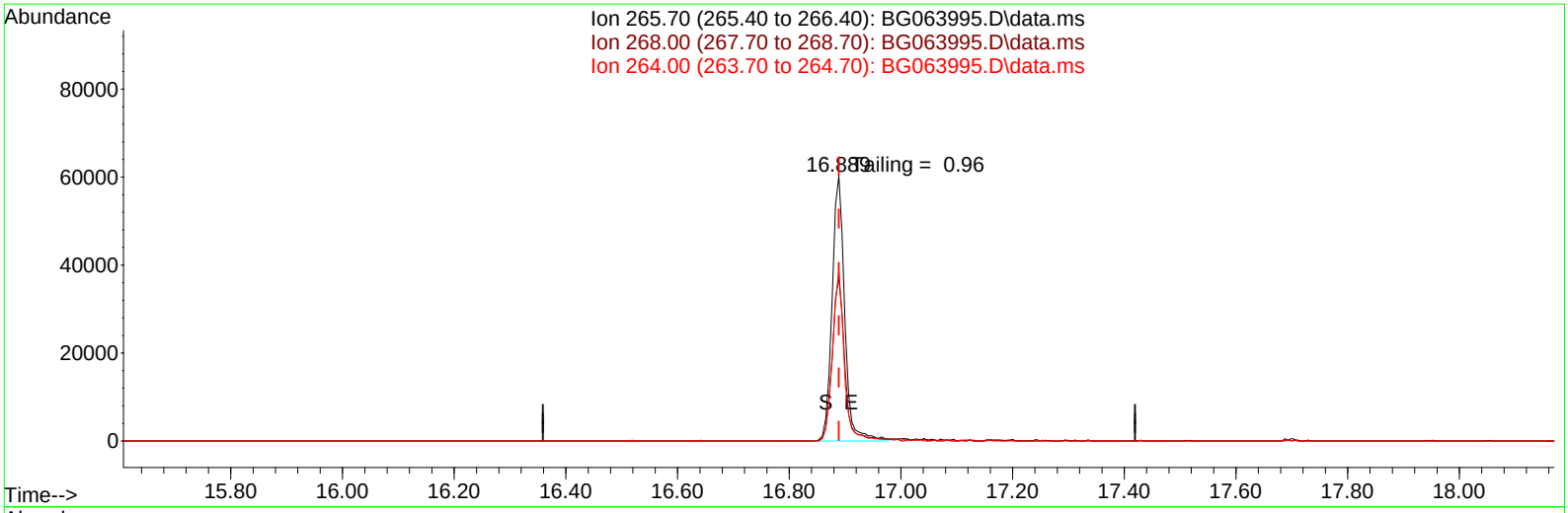
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	53.8	86925	PASS
68	69	0.00	2	0.5	320	PASS
69	198	0.00	100	38.0	61336	PASS
70	69	0.00	2	0.5	326	PASS
127	198	10	80	46.3	74813	PASS
197	198	0.00	2	0.5	870	PASS
198	198	100	100	100.0	161547	PASS
199	198	5	9	6.8	10957	PASS
275	198	10	60	26.9	43392	PASS
365	198	1	100	3.8	6185	PASS
441	198	0.01	100	13.6	21987	PASS
442	442	50	100	100.0	132672	PASS
443	442	15	24	19.5	25883	PASS

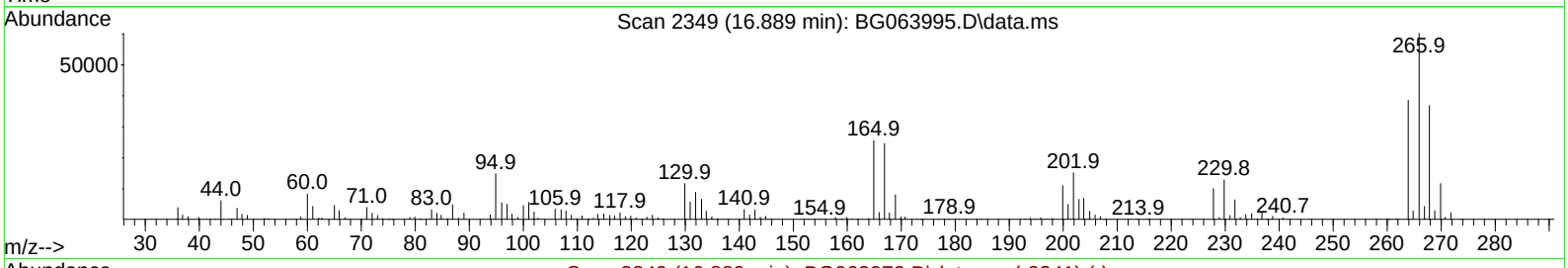
Sample Results: **BG063995.D**

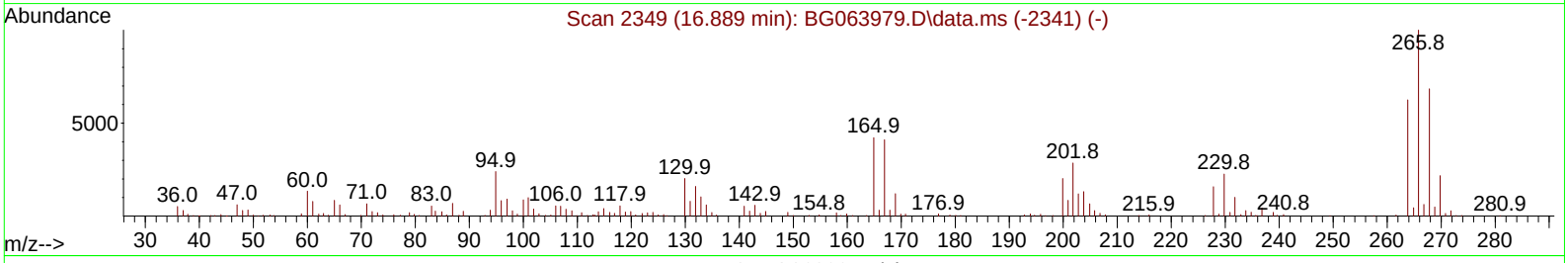
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063995.D
Acq On : 5 Feb 2025 8:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Feb 05 11:06:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration







TIC: BG063995.D\data.ms

(70) Pentachlorophenol (C)

16.889min (-0.000) 0.00 ng

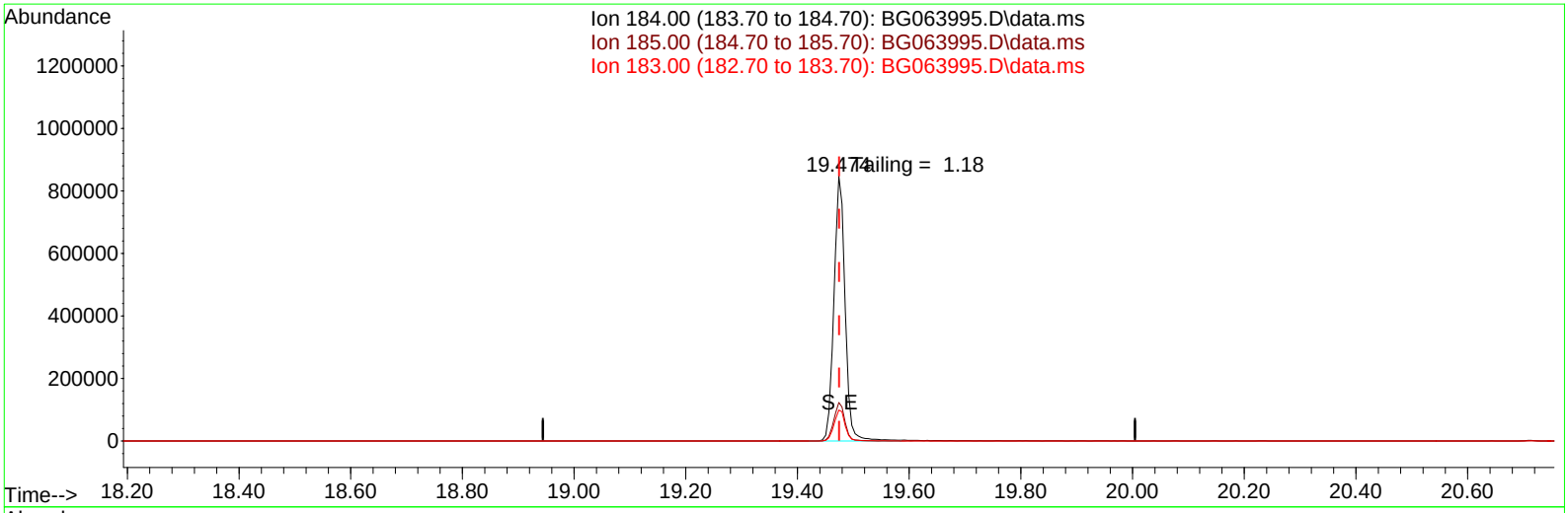
response 94760

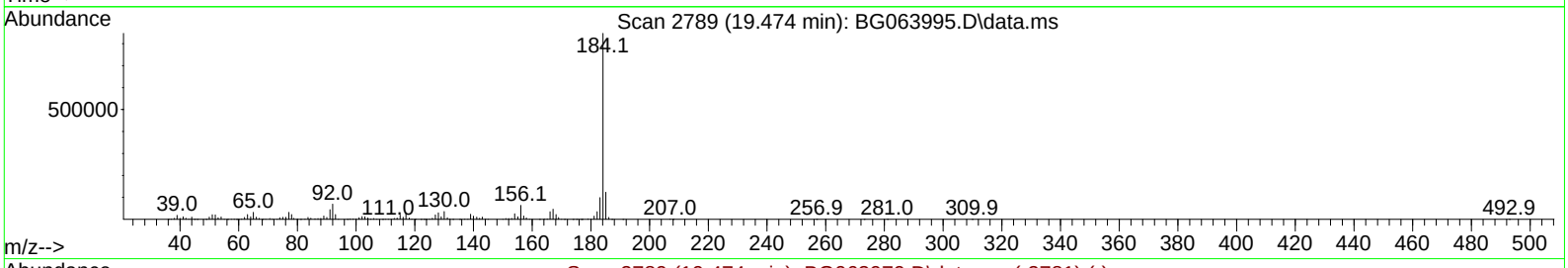
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.50	61.29
264.00	62.50	64.15
0.00	0.00	0.00

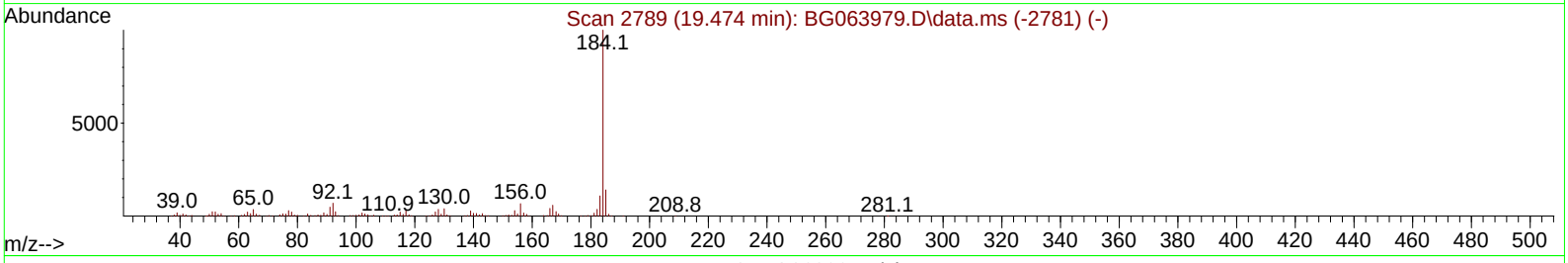
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG063995.D
Acq On : 5 Feb 2025 8:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Feb 05 11:06:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration







TIC: BG063995.D\data.ms

(77) Benzidine

19.474min (-0.001) 25002.34 ng

response 1185140

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	14.54
183.00	10.90	11.68
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/5/2025	BNA_G	BG063995.D
Compound Name	**Response**	**Retention Time**
DDT	364157	20.714
DDD	9933	20.273
DDE	57	19.768
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9990	374147	2.67

Instrument :
BNA_G
ClientSampleId :
DFTPP

Raw Data: **BF141408.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 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

Raw Data: **BF141408.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 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	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	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	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	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

Raw Data: **BF141408.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 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	132		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.9		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	85.6		30 (10) - 130 (105)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79100	6.787			
1146-65-2	Naphthalene-d8	318000	8.069			
15067-26-2	Acenaphthene-d10	175000	9.828			
1517-22-2	Phenanthrene-d10	303000	11.31			
1719-03-5	Chrysene-d12	231000	13.957			
1520-96-3	Perylene-d12	182000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.16	ug/Kg

Raw Data: **BF141408.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 2025			Date Received:	
Client Sample ID:	PB166294BL			SDG No.:	Q1194
Lab Sample ID:	PB166294BL			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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

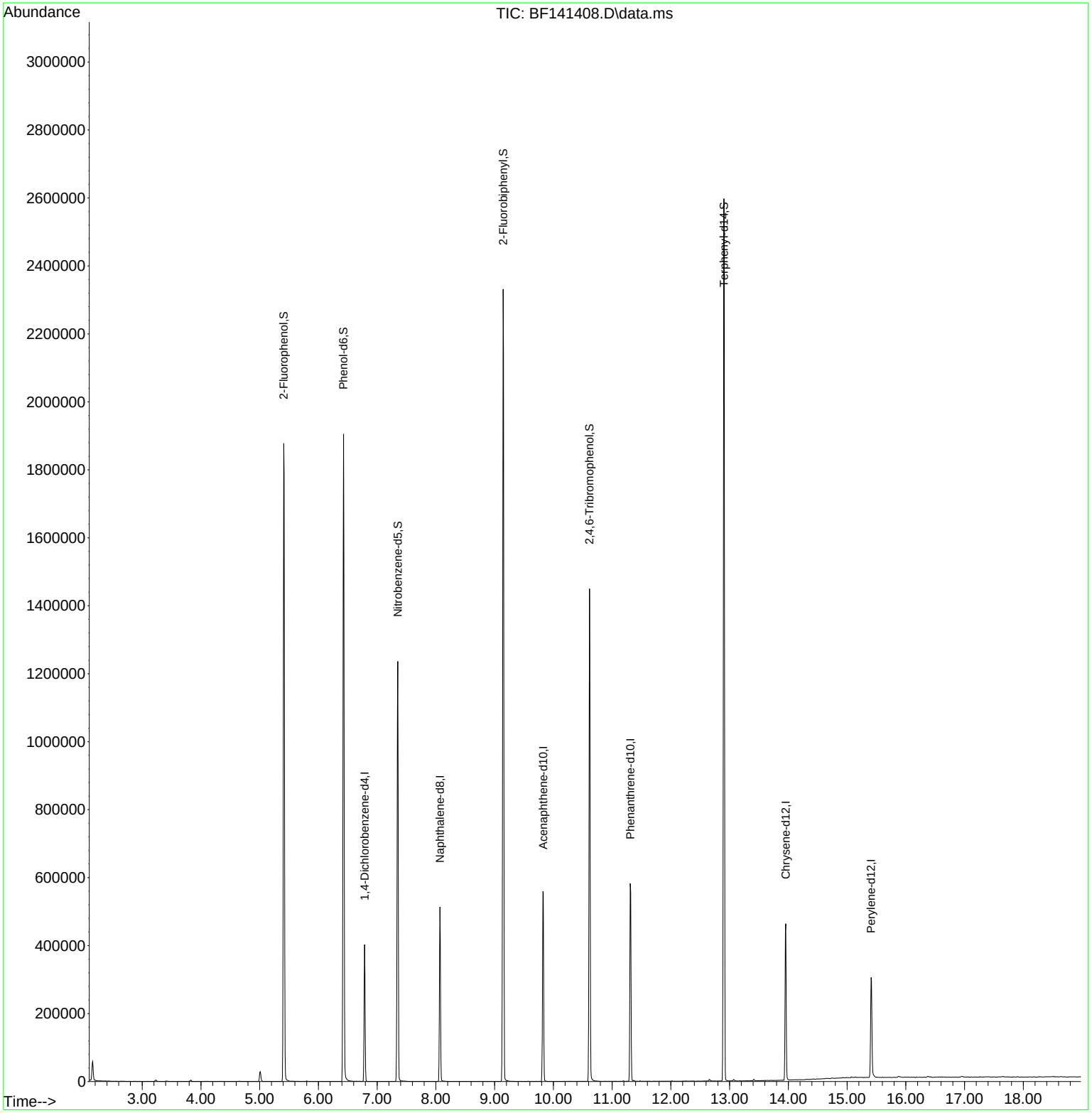
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79060	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	317518	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	174923	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	303054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	230654	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	181526	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	678321	131.718	ng	0.00
7) Phenol-d6	6.428	99	827808	126.359	ng	-0.01
23) Nitrobenzene-d5	7.351	82	552962	91.807	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	228163	142.278	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1055957	92.916	ng	-0.02
79) Terphenyl-d14	12.904	244	1280663	85.627	ng	-0.01
Target Compounds						Qvalue

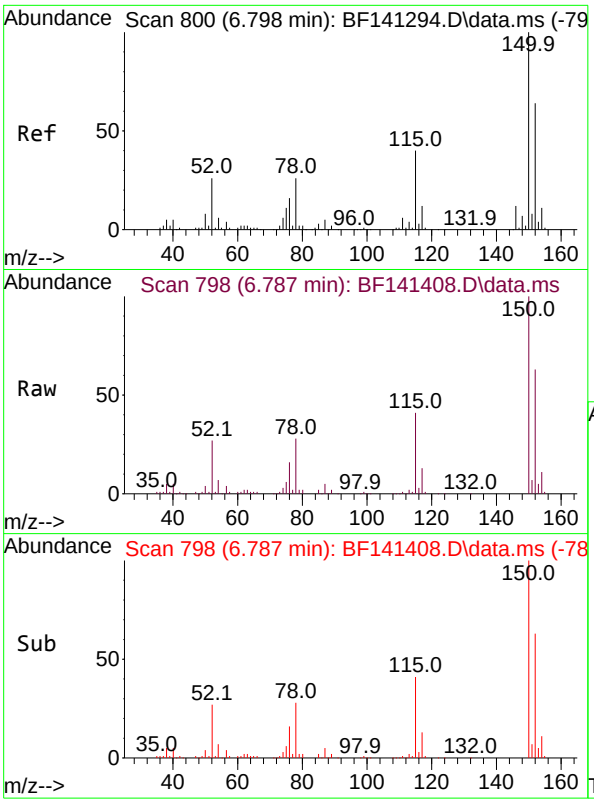
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



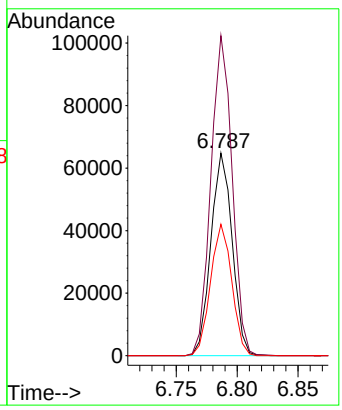


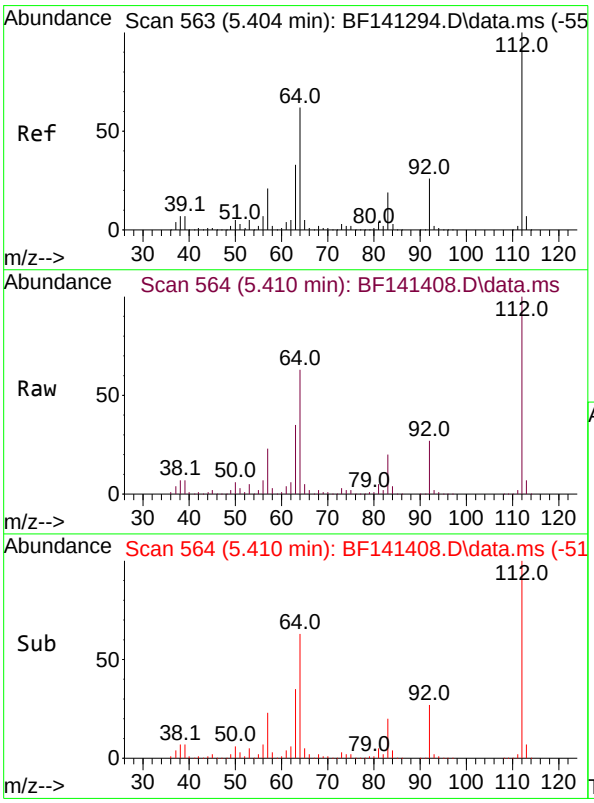
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:152 Resp: 79060

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	64.9	49.7	74.5

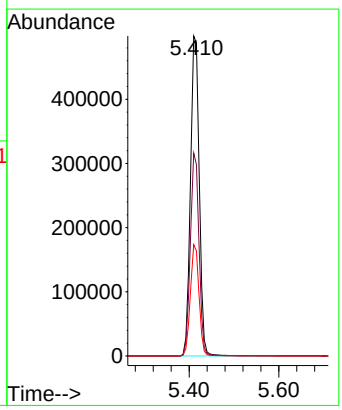


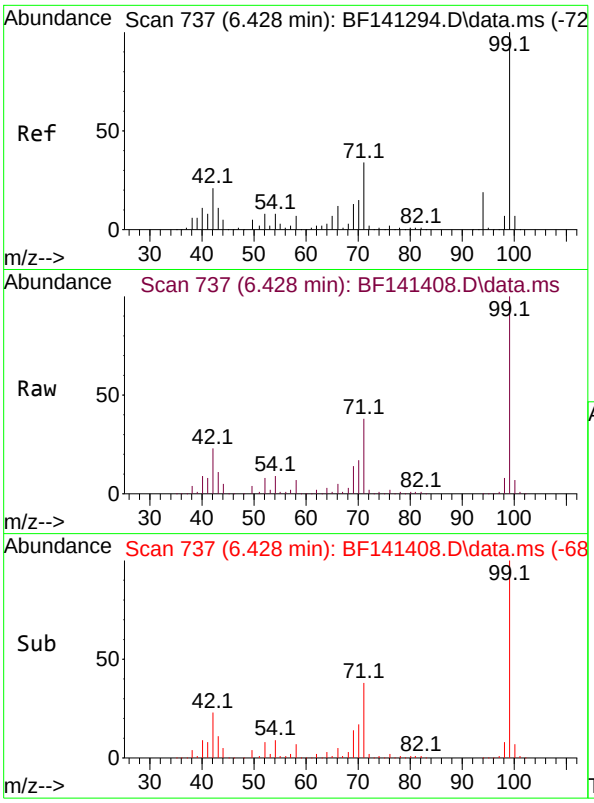


#5
2-Fluorophenol
Concen: 131.718 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:112 Resp: 678321

Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.8	74.8
63	34.8	26.1	39.1



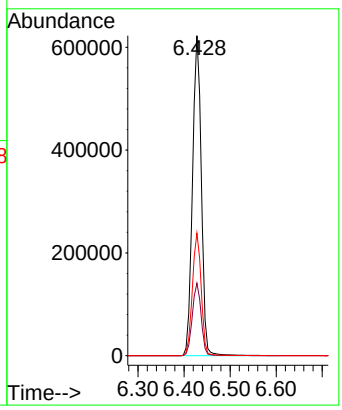


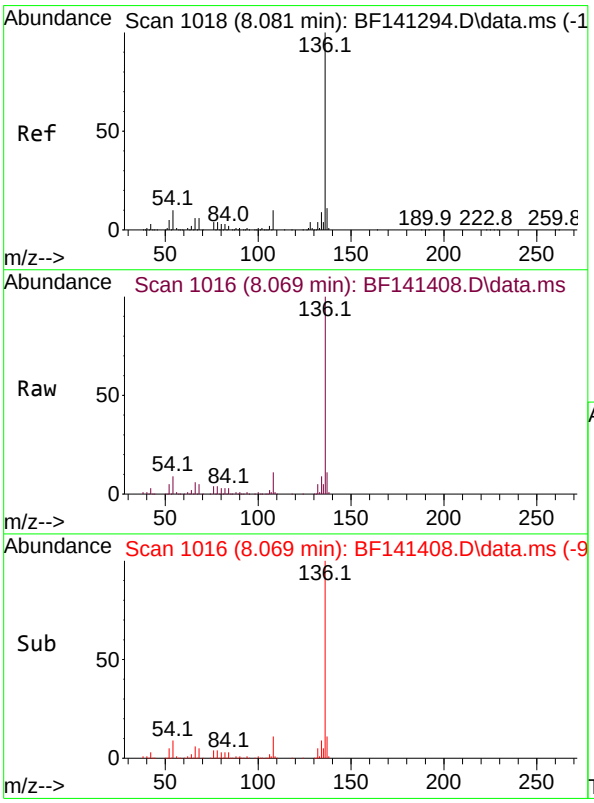
#7
Phenol-d6
Concen: 126.359 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion: 99 Resp: 827808

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.1	25.7
71	38.3	26.9	40.3

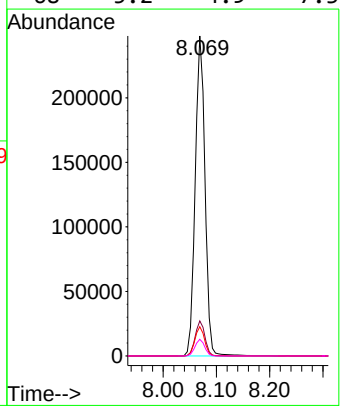


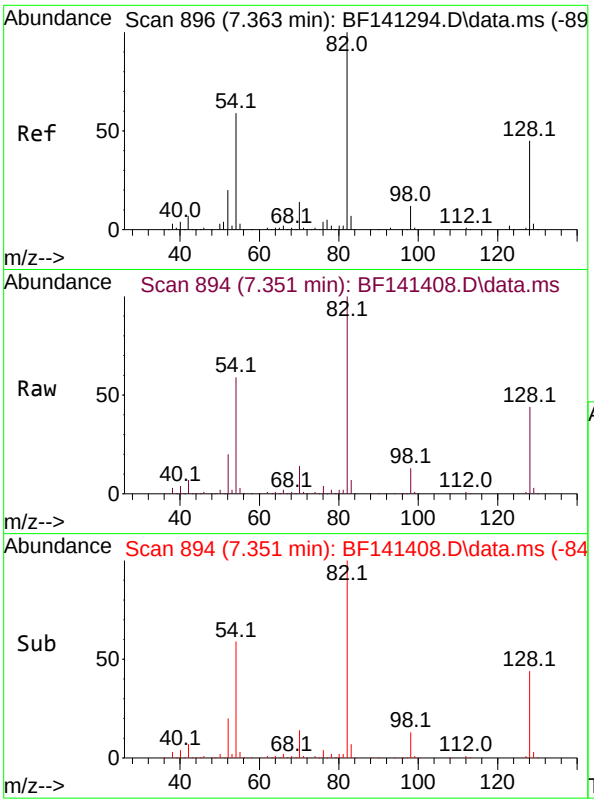


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:136 Resp: 317518

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.2	7.8	11.8
68	5.2	4.9	7.3



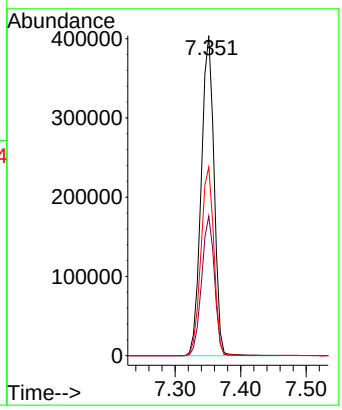


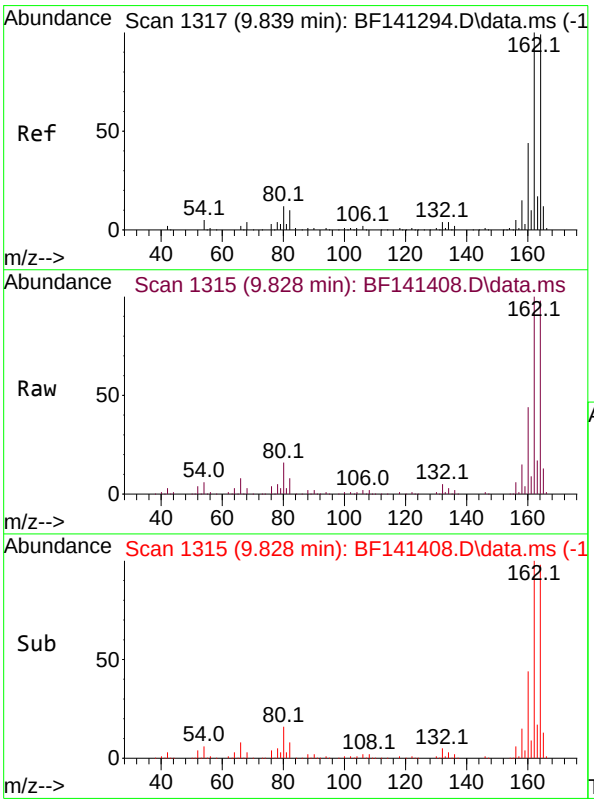
#23
Nitrobenzene-d5
Concen: 91.807 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion: 82 Resp: 552962

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	59.0	47.1	70.7

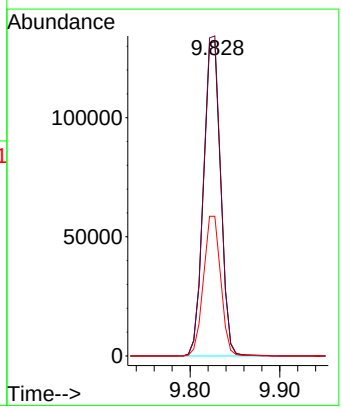


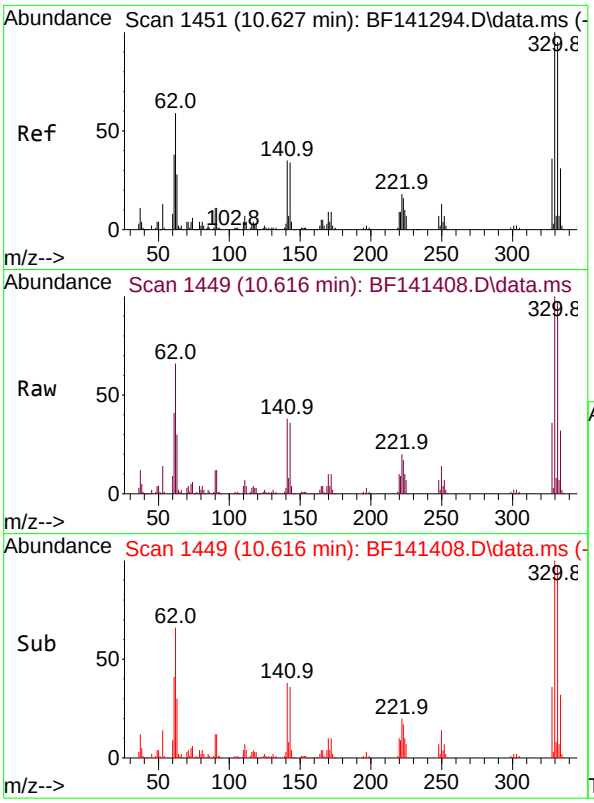


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:164 Resp: 174923

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	121.0
160	44.4	35.8	53.6



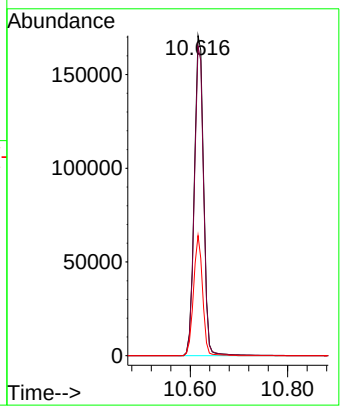


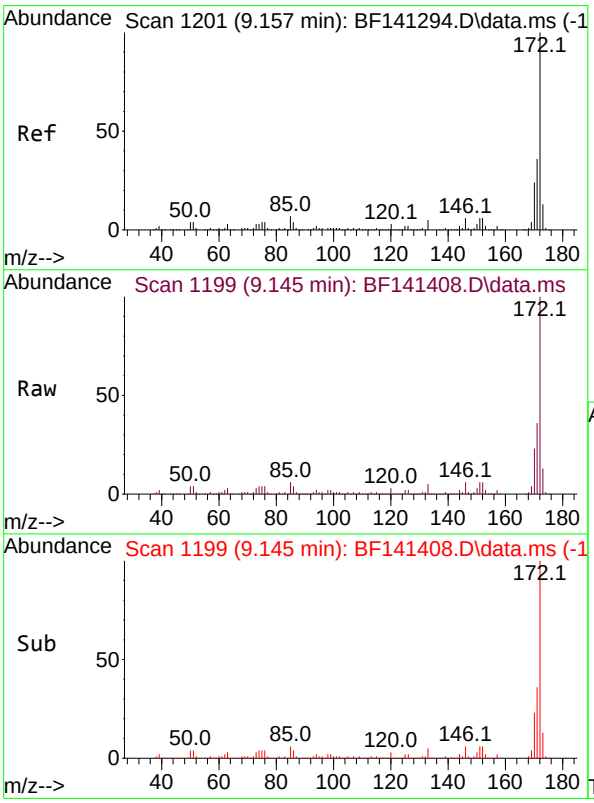
#42
2,4,6-Tribromophenol
Concen: 142.278 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:330 Resp: 228163

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	36.5	28.8	43.2

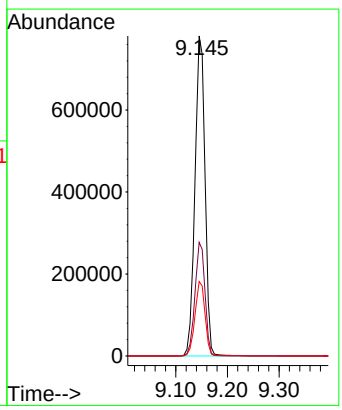


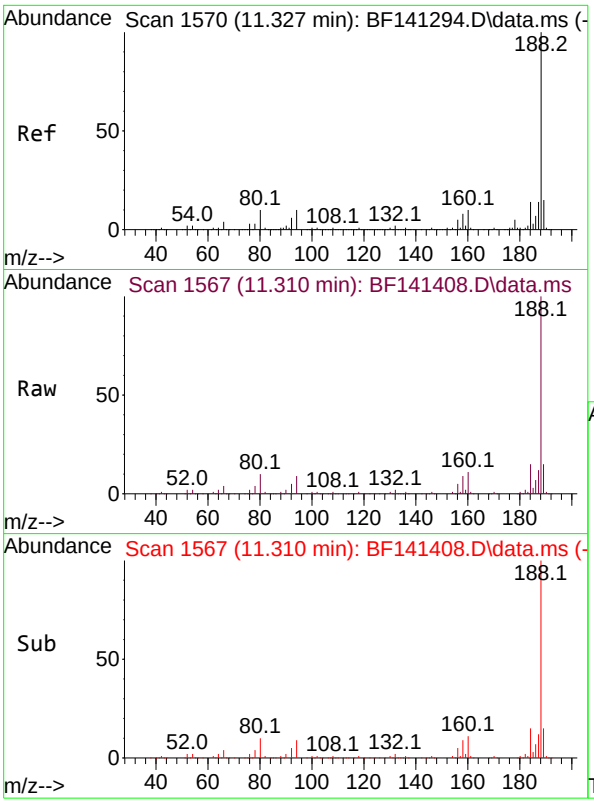


#45
2-Fluorobiphenyl
Concen: 92.916 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:172 Resp: 1055957

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.3	19.0	28.6



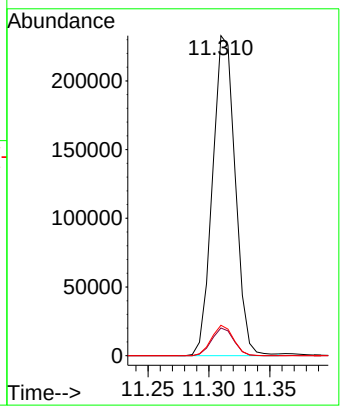


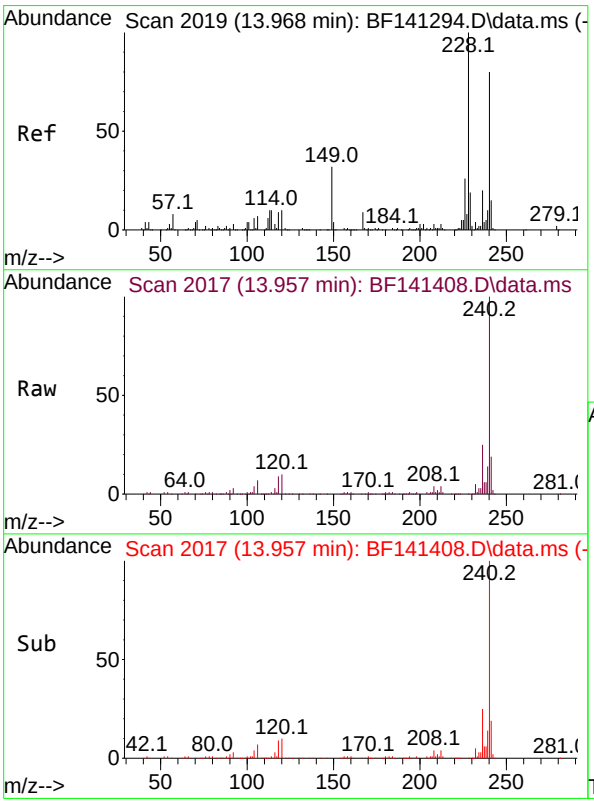
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:188 Resp: 303054

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.8	11.6
80	9.5	8.2	12.4

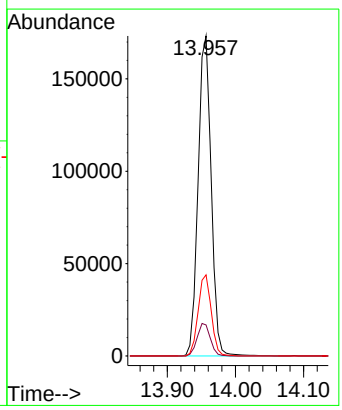


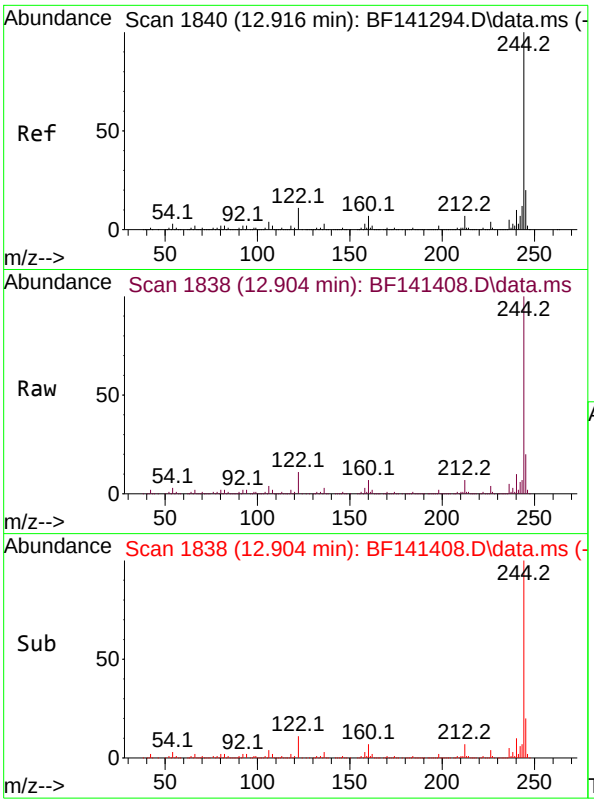


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:240 Resp: 230654

Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.0	15.0#
236	25.4	19.7	29.5



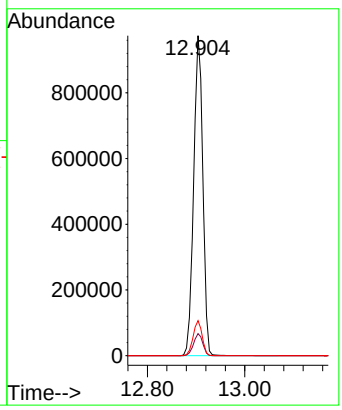


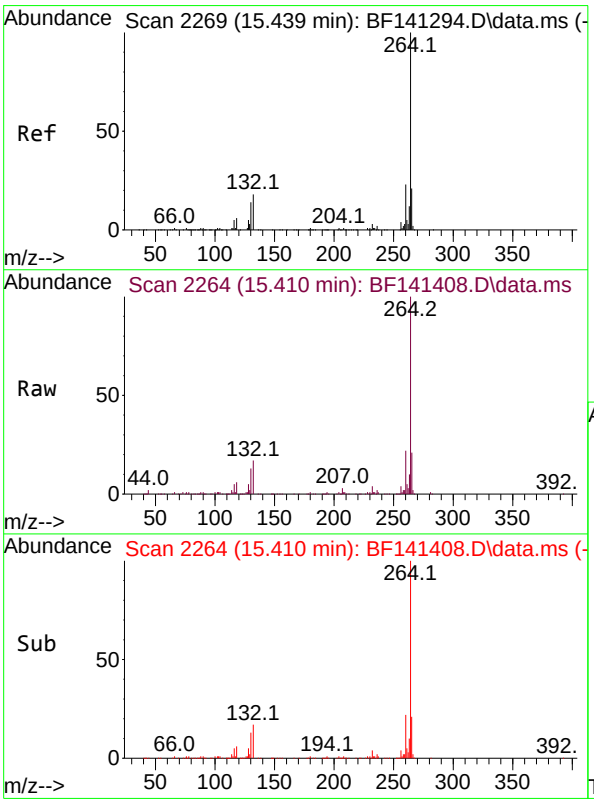
#79
Terphenyl-d14
Concen: 85.627 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:244 Resp: 1280663

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	8.8	13.2

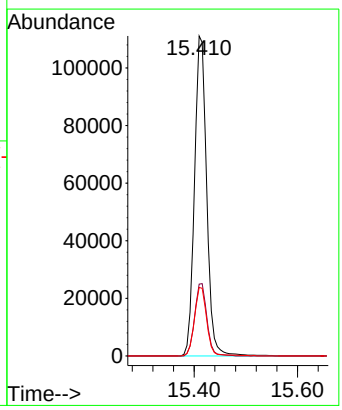




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:264 Resp: 181526

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141408.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	5	11	17	rVB	55221	84730	2.50%	0.447%
2	5.010	490	496	503	rBV	28766	45988	1.36%	0.243%
3	5.410	559	564	585	rBV	1877248	2519570	74.44%	13.292%
4	6.428	731	737	757	rBV	1904932	2536447	74.94%	13.381%
5	6.787	793	798	803	rBV	402329	487504	14.40%	2.572%
6	7.351	887	894	899	rBV	1236119	1684732	49.78%	8.888%
7	8.069	1011	1016	1028	rBV	513059	648008	19.15%	3.418%
8	9.145	1193	1199	1205	rBV	2331183	3103486	91.70%	16.372%
9	9.822	1309	1314	1320	rBV	559095	735775	21.74%	3.881%
10	10.616	1443	1449	1474	rBV	1449246	1884706	55.69%	9.943%
11	11.310	1562	1567	1575	rBV	581584	749720	22.15%	3.955%
12	12.904	1832	1838	1843	rBV	2596447	3384550	100.00%	17.855%
13	13.957	2011	2017	2030	rBV	460587	614395	18.15%	3.241%
14	15.410	2258	2264	2278	rVB	294071	476338	14.07%	2.513%

Sum of corrected areas: 18955949

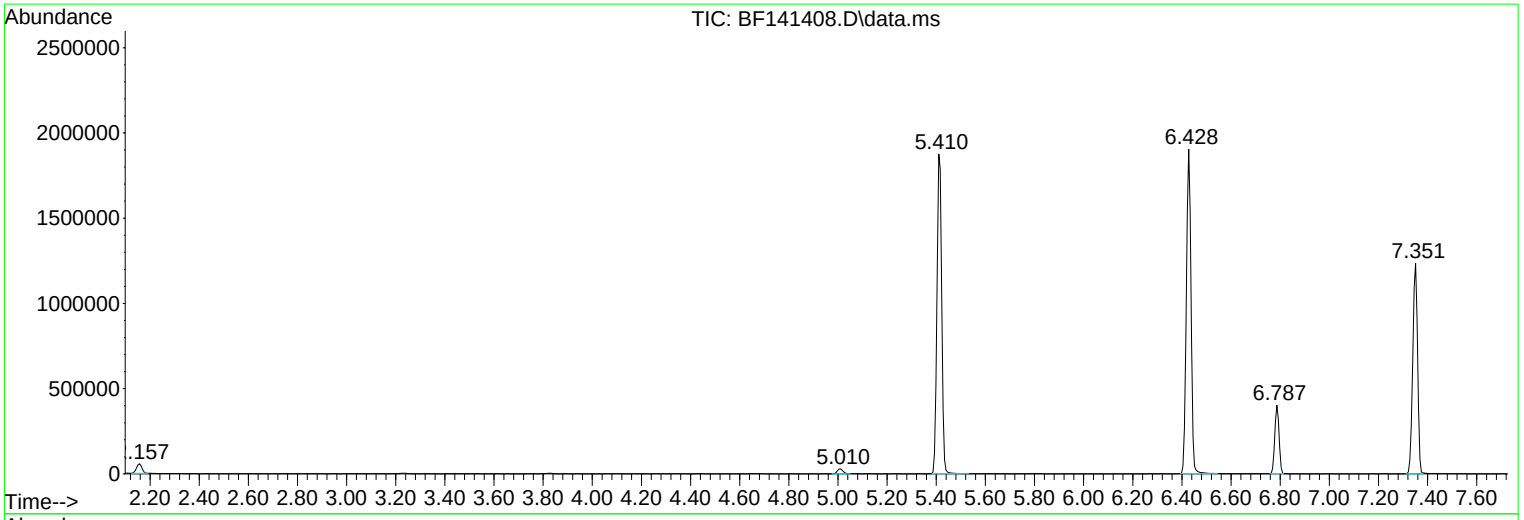
Sample Results: **BF141408.D**

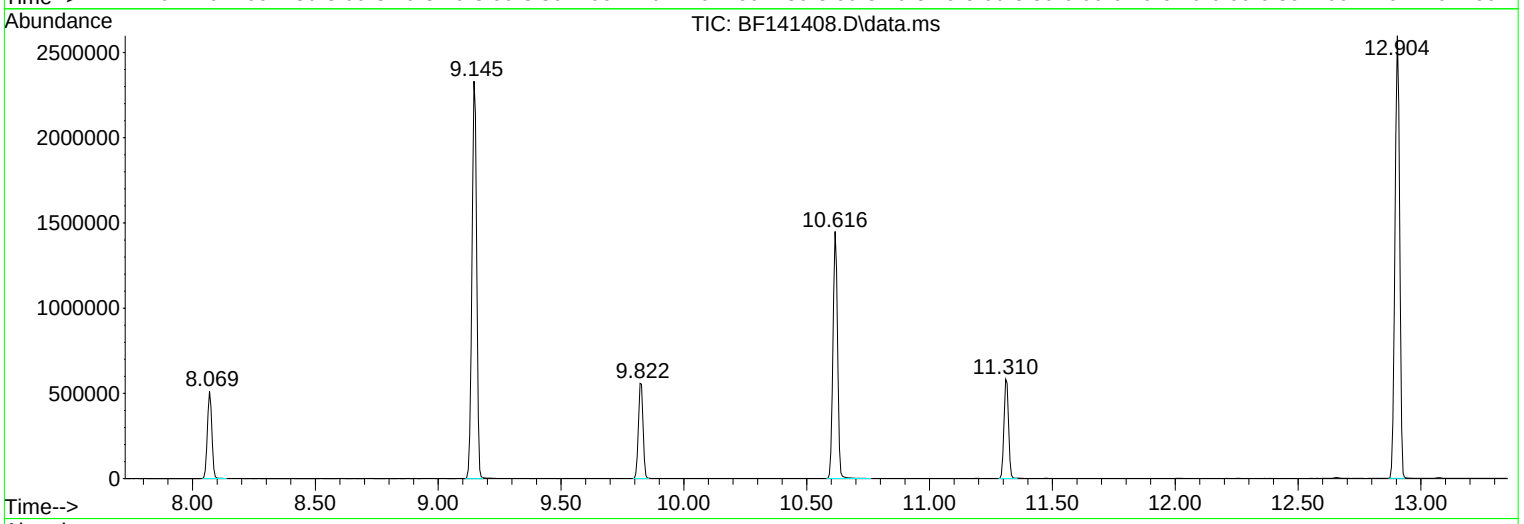
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

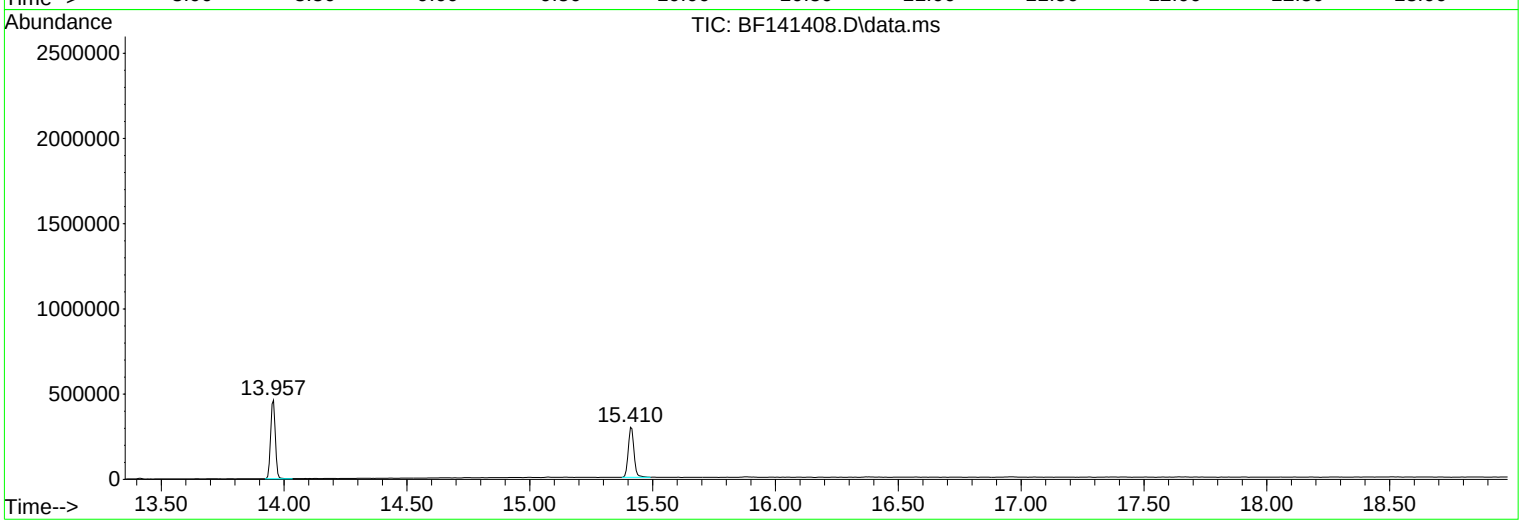
Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

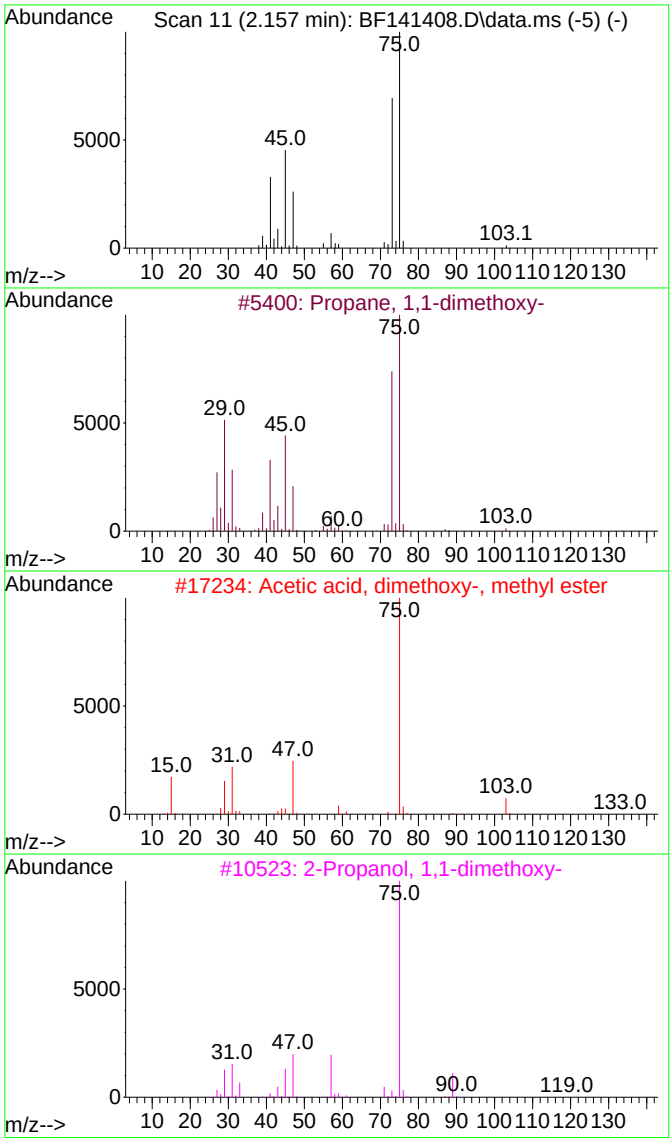
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

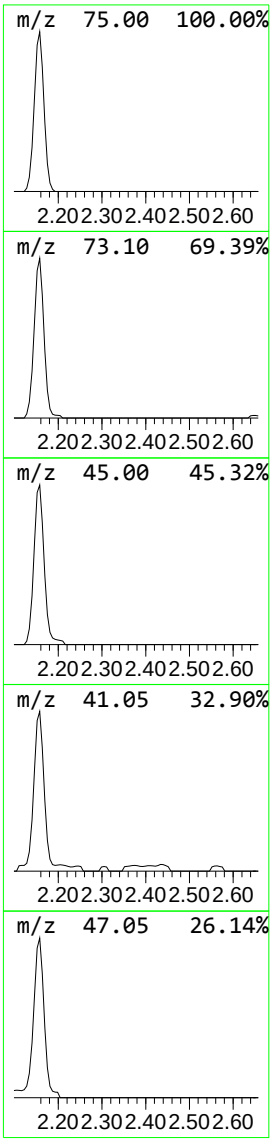
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	3.48 ng	84730	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	40
3	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22
5	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9





Sample Results: **BF141408.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.157	3.5	ng	84730	1	6.787	487504	20.0

Raw Data: **BF141312.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 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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: **BF141312.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 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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: **BF141312.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 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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	120		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.4		30 (49) - 130 (133)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	81.6		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	600000	8.081			
15067-26-2	Acenaphthene-d10	324000	9.834			
1517-22-2	Phenanthrene-d10	552000	11.322			
1719-03-5	Chrysene-d12	345000	13.963			
1520-96-3	Perylene-d12	288000	15.439			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	3.20	J		2.21	ug/L

Raw Data: **BF141312.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 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

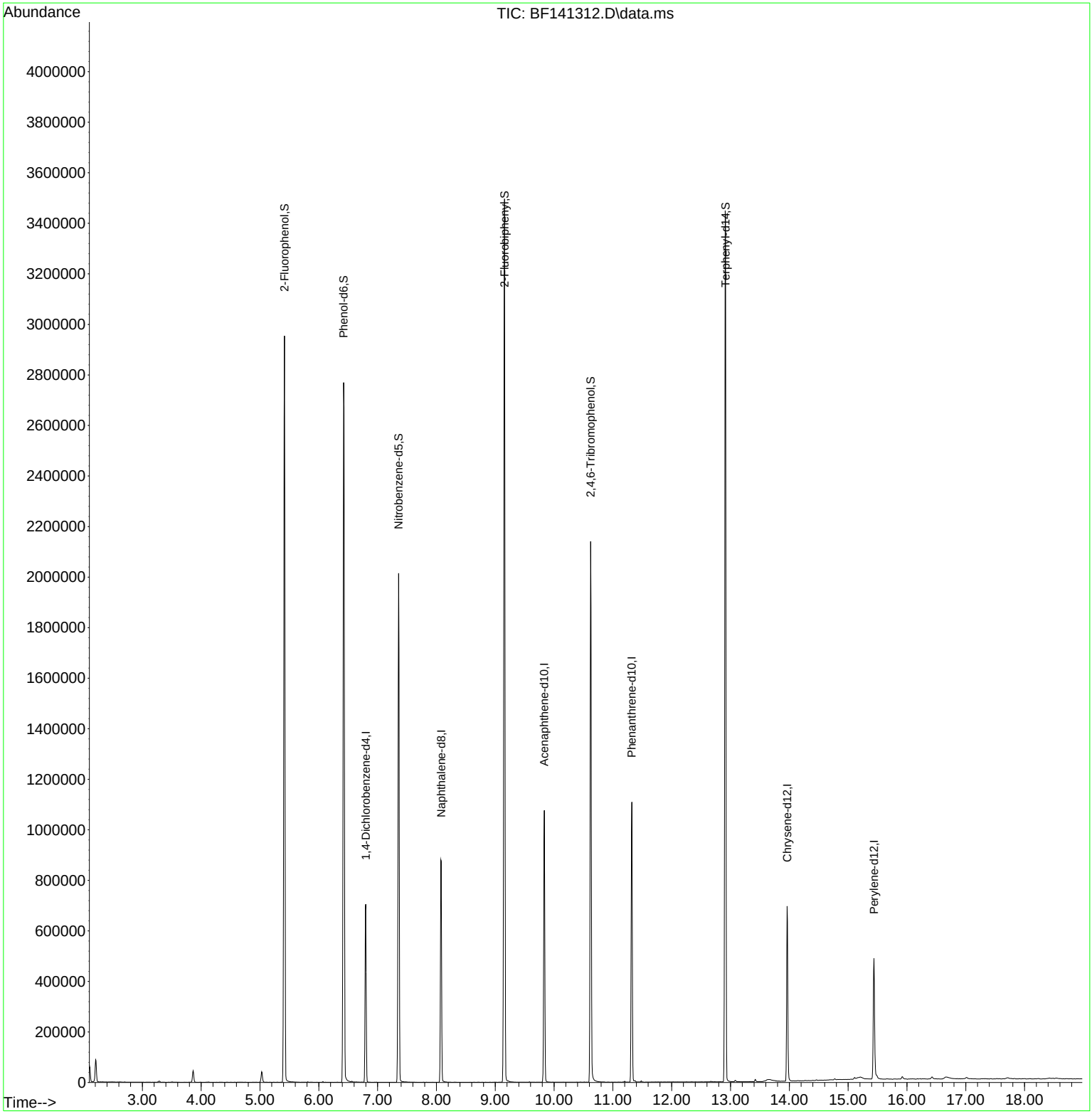
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	599878	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	324432	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	552085	20.000	ng	0.00
76) Chrysene-d12	13.963	240	345336	20.000	ng	-0.01
86) Perylene-d12	15.439	264	288136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1139750	119.751	ng	0.00
7) Phenol-d6	6.422	99	1418217	117.134	ng	-0.02
23) Nitrobenzene-d5	7.357	82	926335	81.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	357023	120.036	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1650886	78.322	ng	0.00
79) Terphenyl-d14	12.916	244	1827244	81.600	ng	0.00
Target Compounds						Qvalue

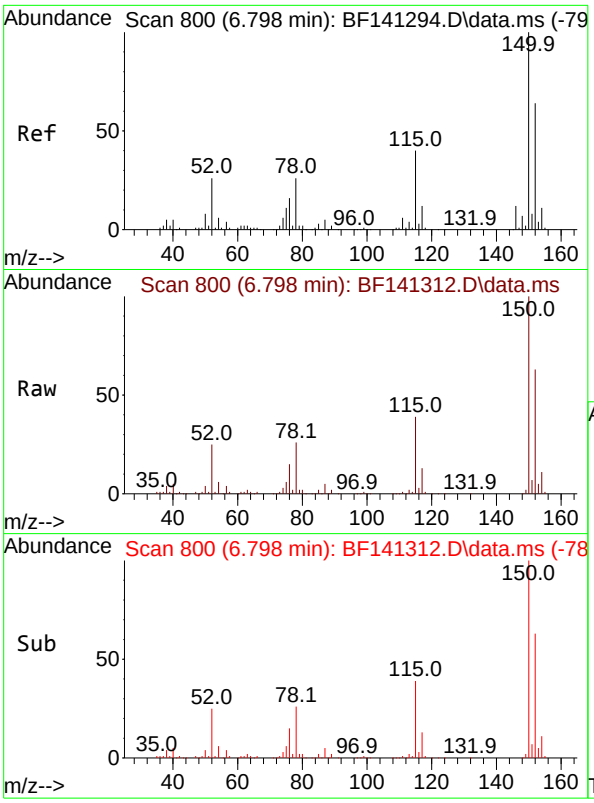
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



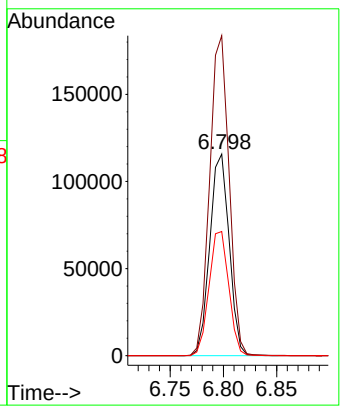


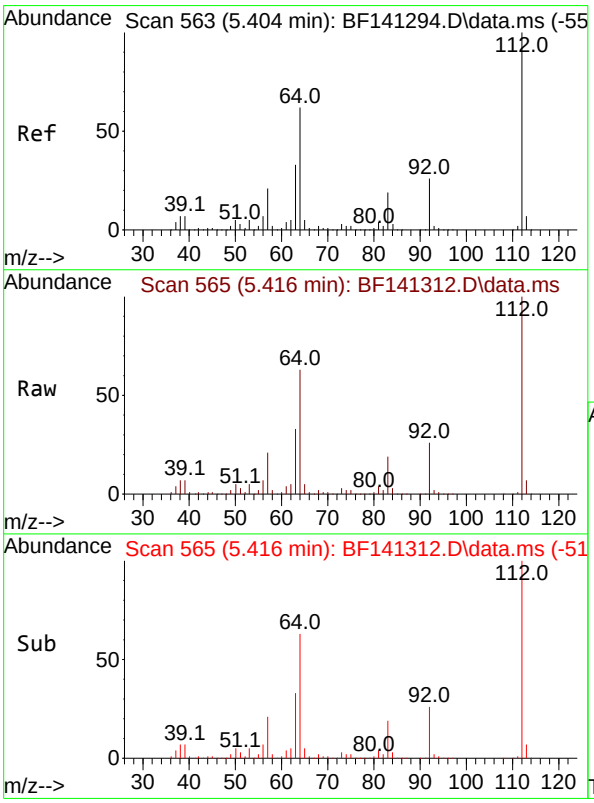
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:152 Resp: 146115

Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.9	188.9
115	61.6	49.7	74.5

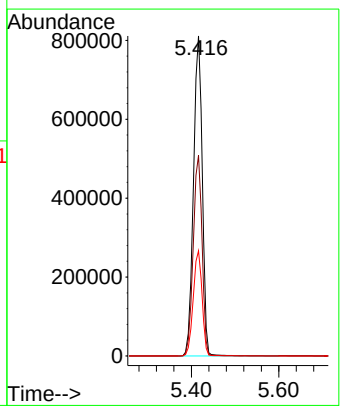


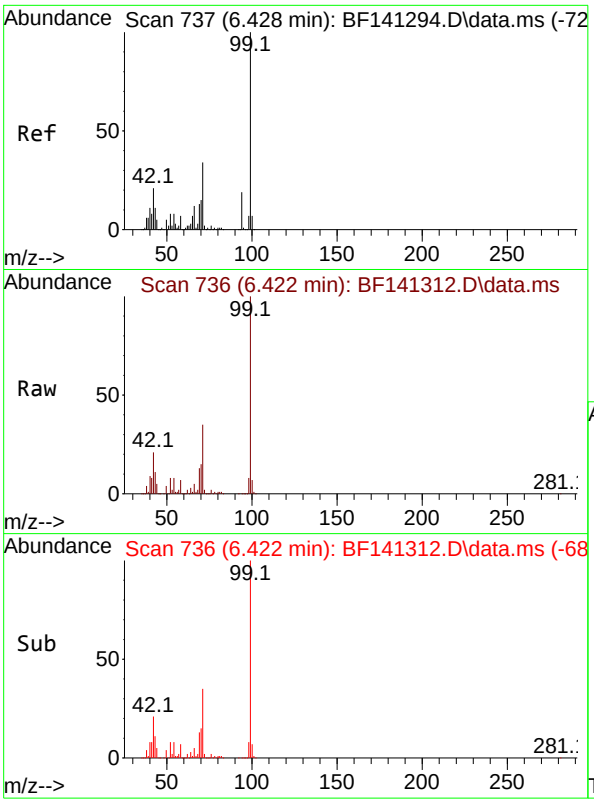


#5
2-Fluorophenol
Concen: 119.751 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:112 Resp: 1139750

Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.8	74.8
63	32.8	26.1	39.1



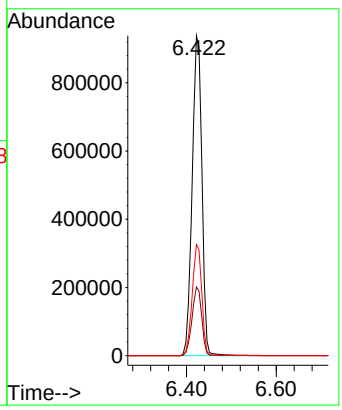


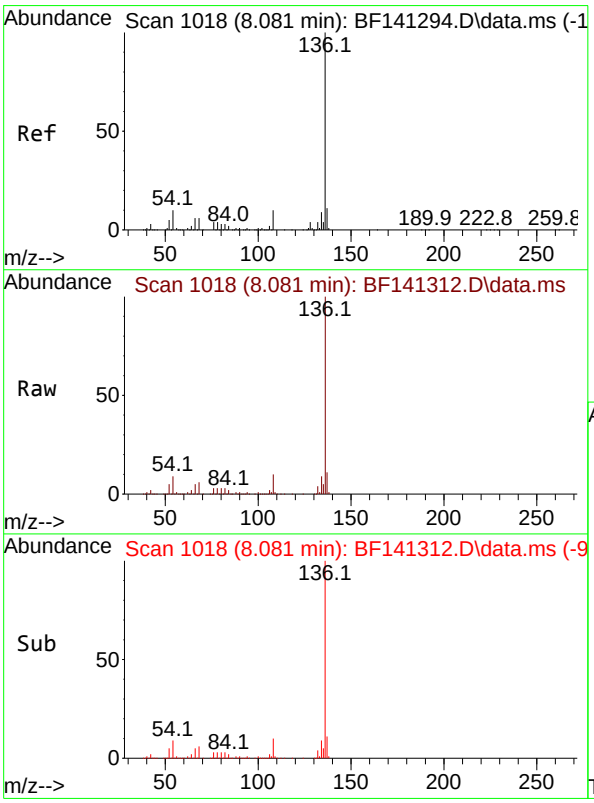
#7
Phenol-d6
Concen: 117.134 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion: 99 Resp: 1418217

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.1	25.7
71	34.7	26.9	40.3

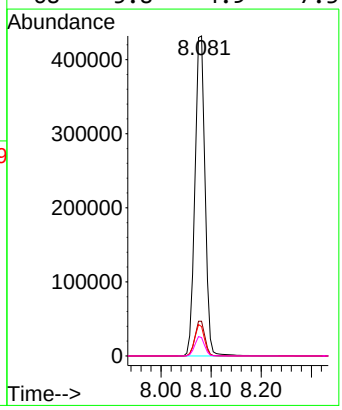


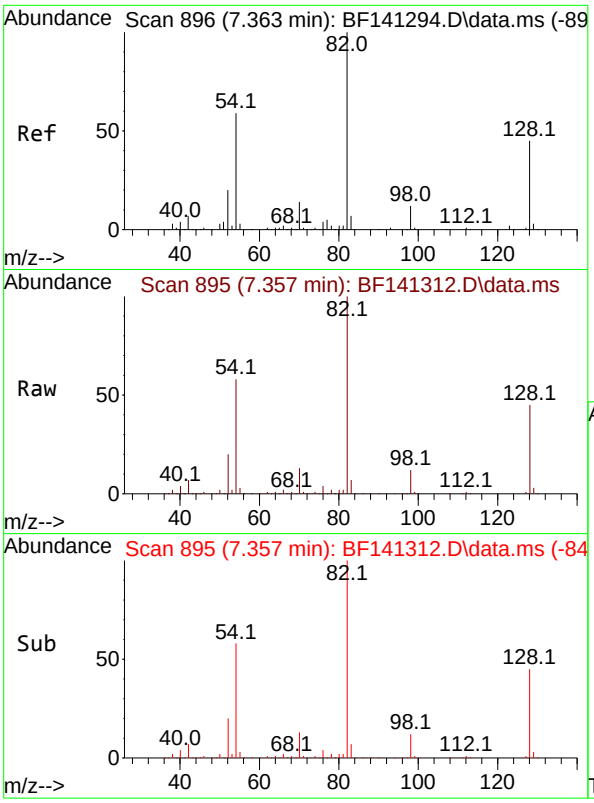


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:136 Resp: 599878

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.2	7.8	11.8
68	5.8	4.9	7.3



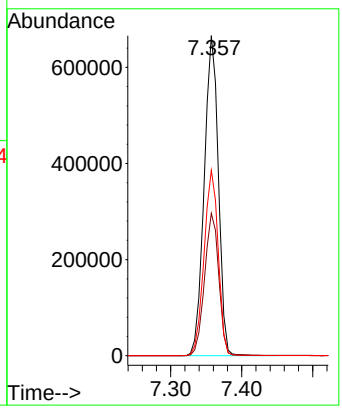


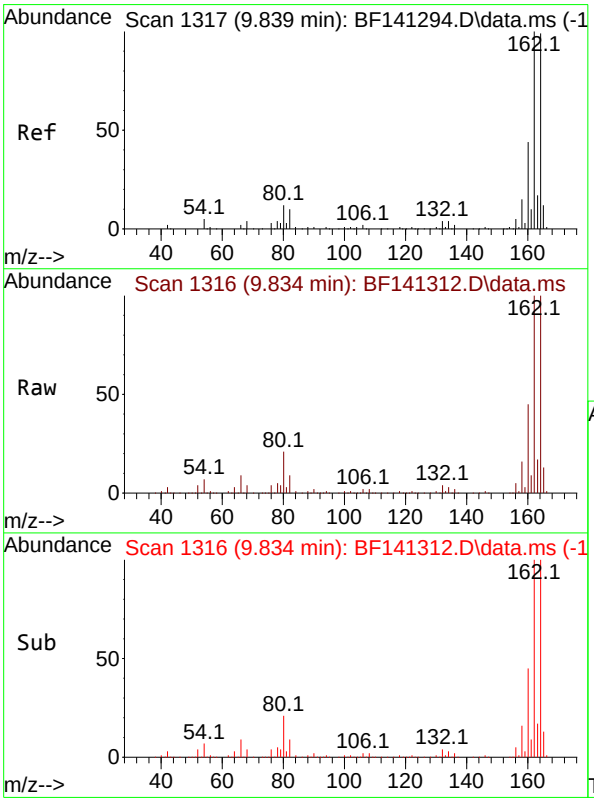
#23
Nitrobenzene-d5
Concen: 81.405 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion: 82 Resp: 926335

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.0	47.1	70.7

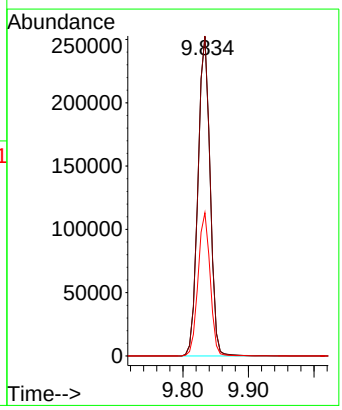


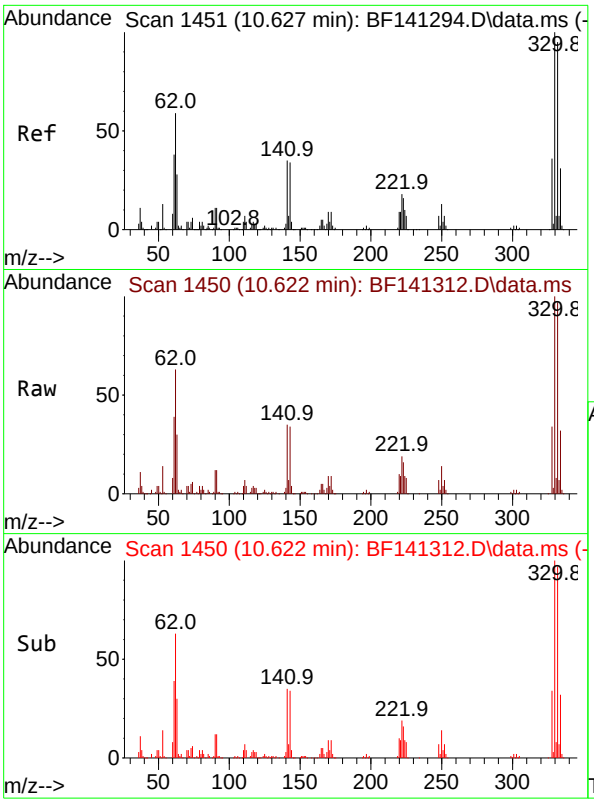


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:164 Resp: 324432

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



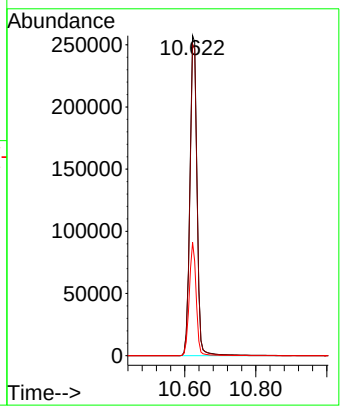


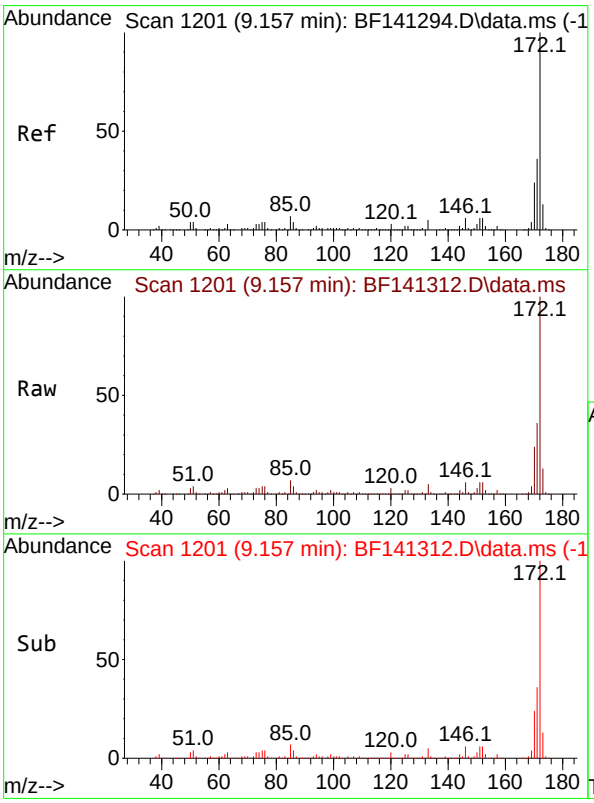
#42
2,4,6-Tribromophenol
Concen: 120.036 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:330 Resp: 357023

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.1	114.1
141	34.4	28.8	43.2

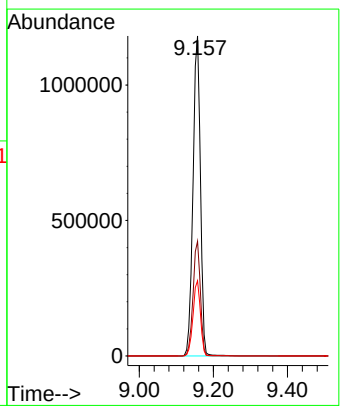


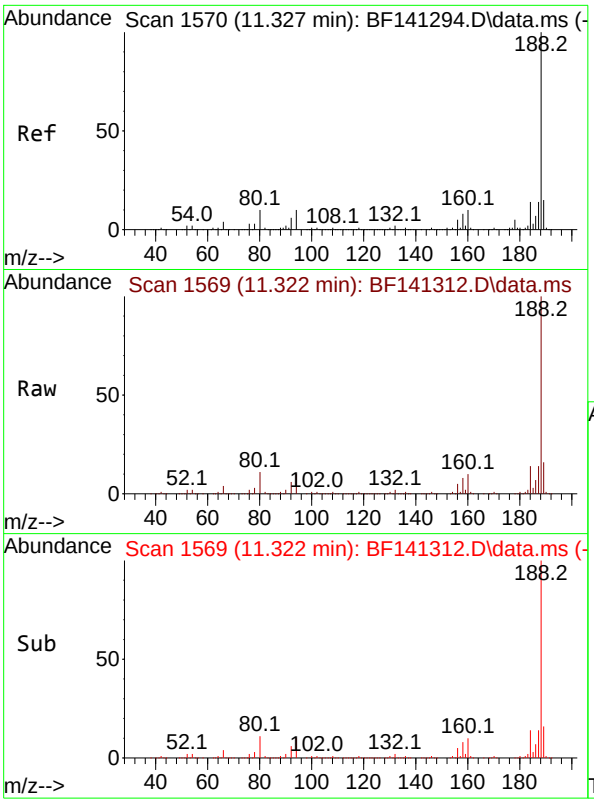


#45
2-Fluorobiphenyl
Concen: 78.322 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:172 Resp: 1650886

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.5	19.0	28.6



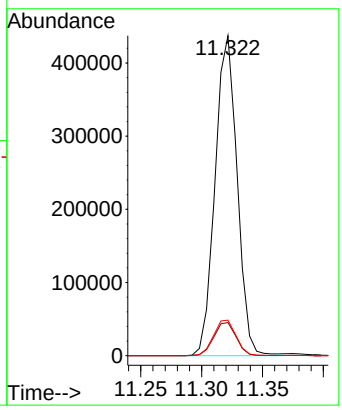


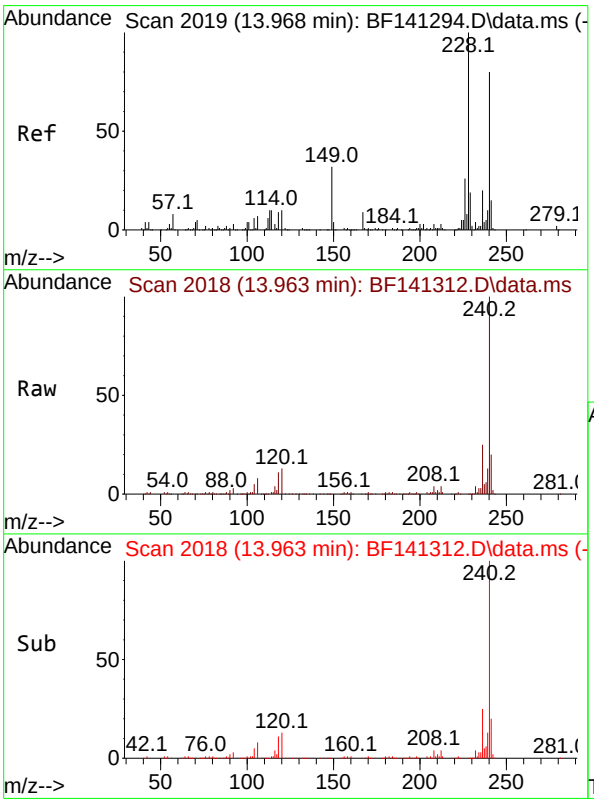
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:188 Resp: 552085

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.1	8.2	12.4

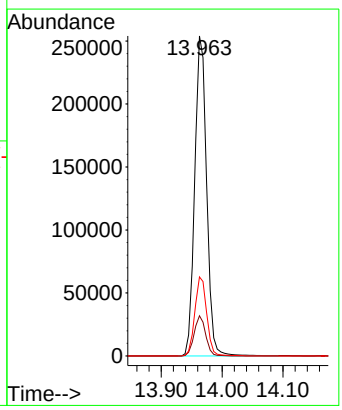


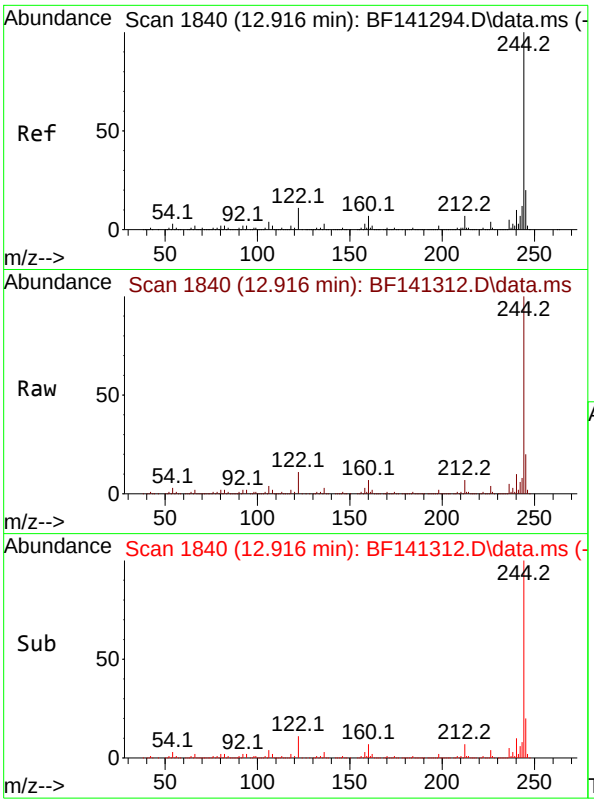


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:240 Resp: 345336

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.7	19.7	29.5



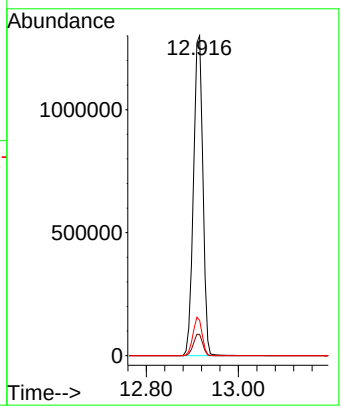


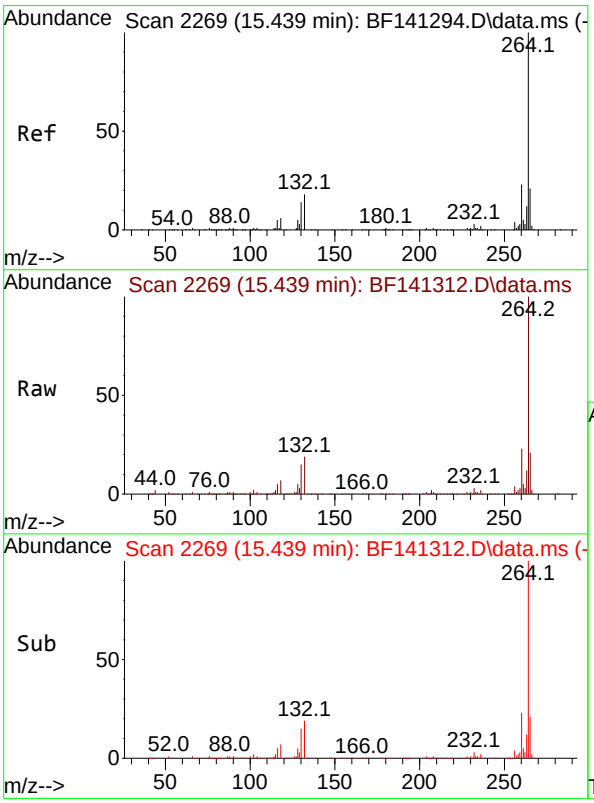
#79
Terphenyl-d14
Concen: 81.600 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:244 Resp: 1827244

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.0	8.8	13.2

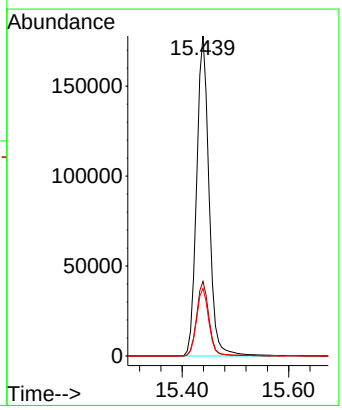




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:264 Resp: 288136

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.1	16.7	25.1



Sample Results: **BF141312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.205	12	19	29	rVB	87834	141412	2.91%	0.462%
2	3.863	294	301	311	rVB	45917	74935	1.54%	0.245%
3	5.028	489	499	509	rBV	41368	67598	1.39%	0.221%
4	5.416	558	565	570	rBV	2953487	4128195	85.05%	13.490%
5	6.422	729	736	742	rBV	2769311	4142045	85.34%	13.535%
6	6.798	794	800	805	rBV	703922	896894	18.48%	2.931%
7	7.357	888	895	900	rBV	2014311	2789400	57.47%	9.115%
8	8.075	1011	1017	1036	rBV	879846	1211726	24.96%	3.960%
9	9.157	1194	1201	1206	rBV	3495666	4853720	100.00%	15.861%
10	9.834	1310	1316	1330	rBV	1075502	1382194	28.48%	4.517%
11	10.622	1444	1450	1481	rBV	2139914	2902178	59.79%	9.484%
12	11.322	1563	1569	1576	rBV	1108051	1398591	28.81%	4.570%
13	12.910	1833	1839	1845	rBV	3446293	4844822	99.82%	15.832%
14	13.651	1946	1965	1980	rBV	8309	62513	1.29%	0.204%
15	13.963	2013	2018	2033	rBV	692036	926049	19.08%	3.026%
16	15.439	2262	2269	2289	rVB	476977	779356	16.06%	2.547%

Sum of corrected areas: 30601628

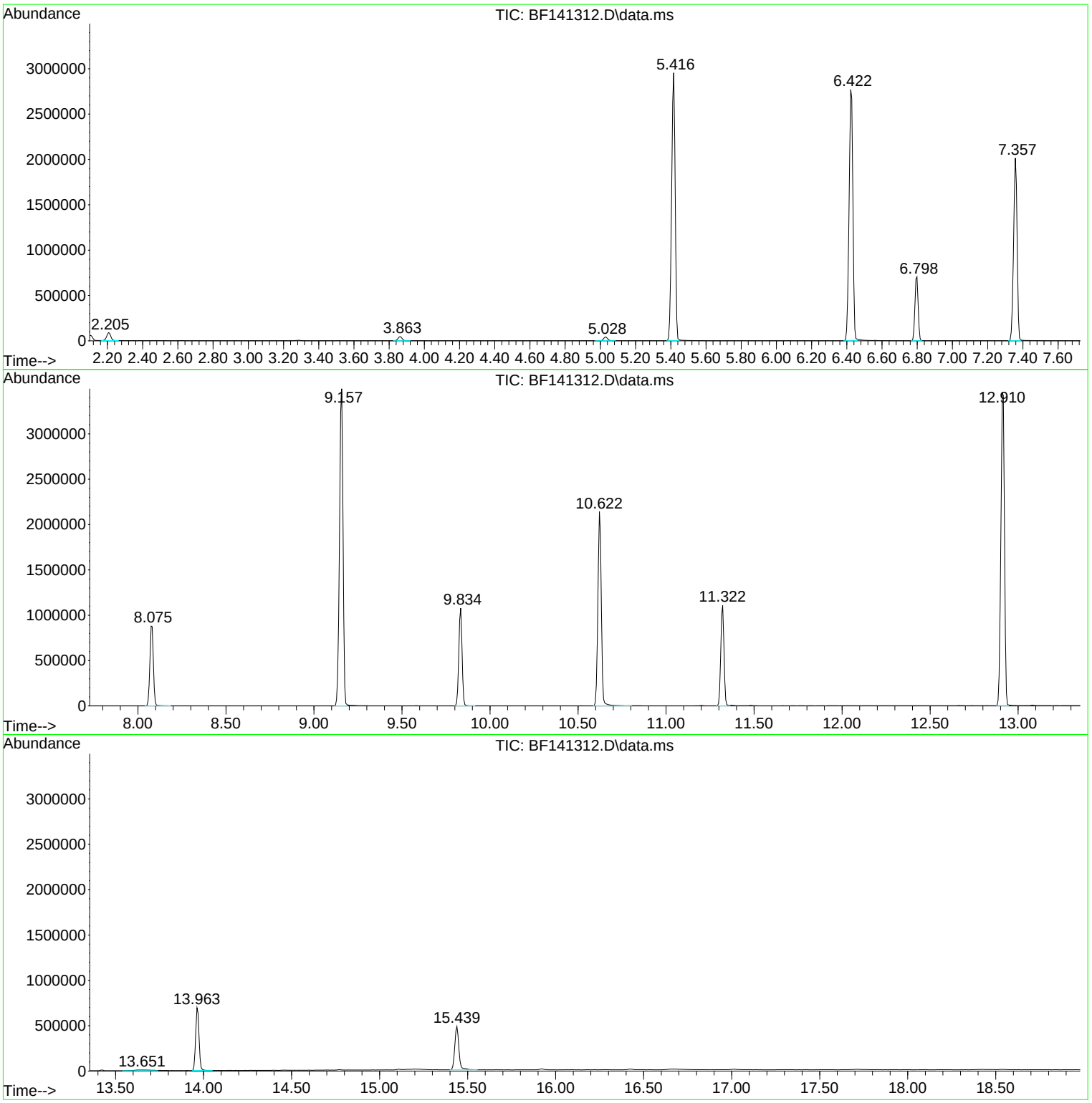
Sample Results: **BF141312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

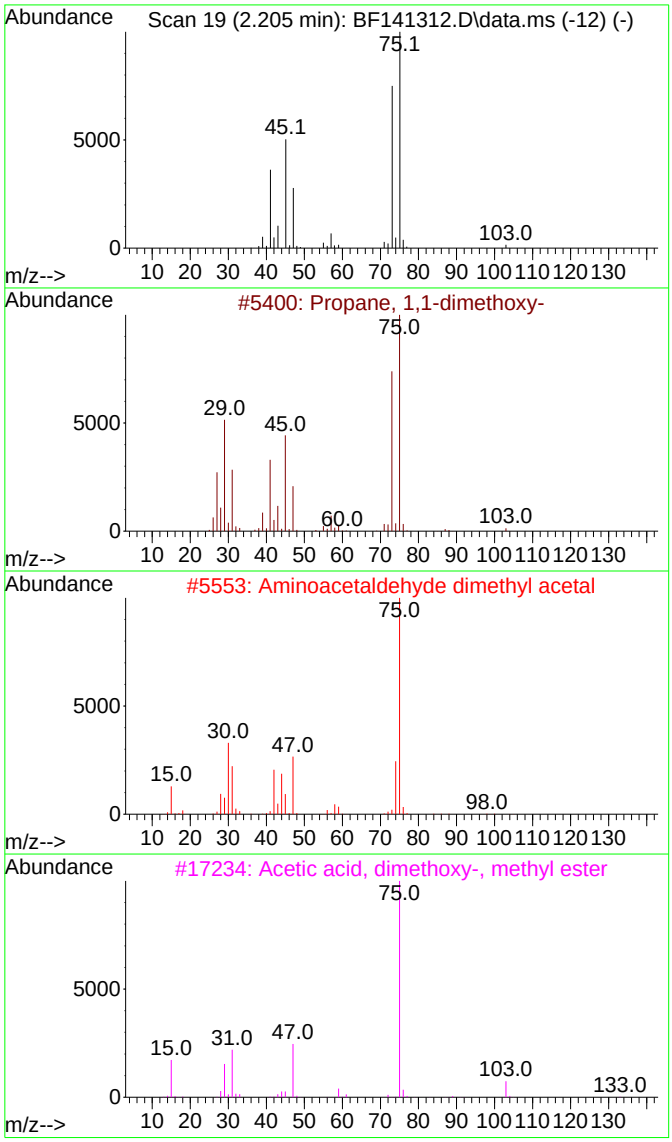
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

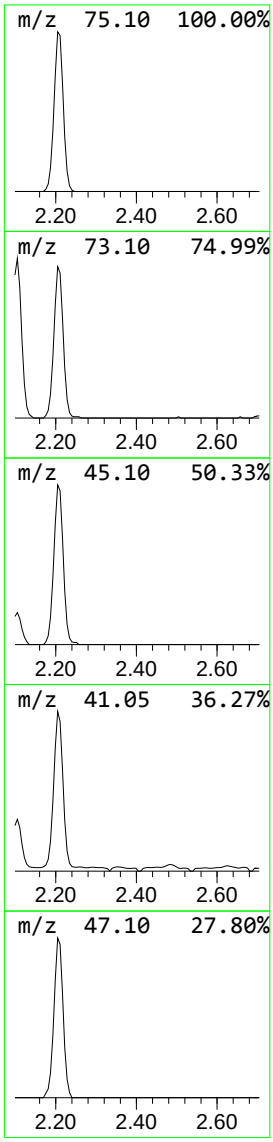
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	3.15 ng	141412	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
3	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	28
4	Methane, trimethoxy-	106	C4H10O3	000149-73-5	28
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22





Sample Results: **BF141312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.205	3.1	ng	141412	1	6.798	896894	20.0

Raw Data: **BF141439.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 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	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
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	J	180	330	ug/Kg
108-95-2	Phenol	1500		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	170	ug/Kg
78-59-1	Isophorone	1600		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	170	ug/Kg
91-20-3	Naphthalene	1500		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	720		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	170	ug/Kg

Raw Data: **BF141439.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 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	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
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	900		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	170	ug/Kg
120-12-7	Anthracene	1800		84.3	170	ug/Kg
86-74-8	Carbazole	1800		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.2	170	ug/Kg
206-44-0	Fluoranthene	1800		81.6	170	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1600		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	170	ug/Kg

Raw Data: **BF141439.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 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	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
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.1		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	95.8		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73000	6.792			
1146-65-2	Naphthalene-d8	286000	8.075			
15067-26-2	Acenaphthene-d10	157000	9.827			
1517-22-2	Phenanthrene-d10	269000	11.316			
1719-03-5	Chrysene-d12	187000	13.963			
1520-96-3	Perylene-d12	164000	15.427			

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: **BF141439.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	72987	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	285622	20.000	ng		#-0.01
39) Acenaphthene-d10	9.827	164	157073	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	268815	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	187164	20.000	ng		-0.01
86) Perylene-d12	15.427	264	163935	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	630538	132.627	ng		0.00
7) Phenol-d6	6.434	99	771514	127.565	ng		0.00
23) Nitrobenzene-d5	7.357	82	515185	95.086	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	222970	154.841	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	954571	93.540	ng		-0.01
79) Terphenyl-d14	12.904	244	1162048	95.750	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.551	88	75727	36.218	ng		95
3) Pyridine	3.281	79	189020	37.521	ng		95
4) n-Nitrosodimethylamine	3.228	42	144996	50.383	ng		83
6) Aniline	6.451	93	193758	37.847	ng	#	5
8) 2-Chlorophenol	6.581	128	240737	47.243	ng		96
9) Benzaldehyde	6.339	77	21533	6.147	ng		97
10) Phenol	6.445	94	287555	44.852	ng	#	68
11) bis(2-Chloroethyl)ether	6.528	93	216614	44.066	ng		99
12) 1,3-Dichlorobenzene	6.728	146	251649	44.789	ng		98
13) 1,4-Dichlorobenzene	6.810	146	262713	46.544	ng		100
14) 1,2-Dichlorobenzene	6.957	146	245753	46.497	ng		99
15) Benzyl Alcohol	6.934	79	214068	51.793	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	367278	42.966	ng		59
17) 2-Methylphenol	7.051	107	185339	44.752	ng	#	92
18) Hexachloroethane	7.304	117	99805	47.931	ng		97
19) n-Nitroso-di-n-propyla...	7.204	70	168244	46.816	ng		100
20) 3+4-Methylphenols	7.204	107	239419	47.083	ng		93
22) Acetophenone	7.198	105	333018	49.051	ng		99
24) Nitrobenzene	7.375	77	257434	45.849	ng		99
25) Isophorone	7.610	82	442481	47.245	ng		99
26) 2-Nitrophenol	7.692	139	127059	47.983	ng		96
27) 2,4-Dimethylphenol	7.733	122	184581m	54.764	ng		
28) bis(2-Chloroethoxy)met...	7.822	93	262769	43.985	ng		99
29) 2,4-Dichlorophenol	7.939	162	197168	47.784	ng		99
30) 1,2,4-Trichlorobenzene	8.016	180	213686	45.347	ng		99
31) Naphthalene	8.092	128	691208	45.810	ng		100
32) Benzoic acid	7.857	122	138729	44.774	ng		95
33) 4-Chloroaniline	8.145	127	109963	21.491	ng		98
34) Hexachlorobutadiene	8.210	225	136347	49.340	ng		99
35) Caprolactam	8.510	113	62207m	46.162	ng		
36) 4-Chloro-3-methylphenol	8.639	107	217975	49.249	ng		95
37) 2-Methylnaphthalene	8.786	142	450445	46.970	ng		99
38) 1-Methylnaphthalene	8.886	142	421785	44.773	ng		100
40) 1,2,4,5-Tetrachloroben...	8.951	216	213361	47.747	ng		98
41) Hexachlorocyclopentadiene	8.939	237	243063	184.182	ng		99
43) 2,4,6-Trichlorophenol	9.069	196	139484	47.690	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	148386	46.613	ng	98
46) 1,1'-Biphenyl	9.251	154	568607	46.418	ng	99
47) 2-Chloronaphthalene	9.275	162	426849	44.705	ng	99
48) 2-Nitroaniline	9.375	65	147311	49.051	ng	95
49) Acenaphthylene	9.692	152	656250	49.100	ng	100
50) Dimethylphthalate	9.557	163	504634	47.568	ng	100
51) 2,6-Dinitrotoluene	9.616	165	110496	44.859	ng	94
52) Acenaphthene	9.863	154	510747m	53.490	ng	
53) 3-Nitroaniline	9.786	138	65366	27.076	ng	95
54) 2,4-Dinitrophenol	9.898	184	130643	114.095	ng	90
55) Dibenzofuran	10.039	168	602805	47.164	ng	97
56) 4-Nitrophenol	9.969	139	181575	102.840	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157833	49.490	ng	91
58) Fluorene	10.380	166	482443	48.663	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128565m	51.336	ng	
60) Diethylphthalate	10.257	149	500958	48.702	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	233801	48.279	ng	98
62) 4-Nitroaniline	10.404	138	114882	48.402	ng	90
63) Azobenzene	10.533	77	481359	46.750	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	91087	57.286	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421404	48.468	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	145703	48.415	ng	99
68) Hexachlorobenzene	10.927	284	153026	47.936	ng	99
69) Atrazine	11.022	200	152376	52.417	ng	99
70) Pentachlorophenol	11.127	266	193550	103.538	ng	99
71) Phenanthrene	11.345	178	743871	51.479	ng	100
72) Anthracene	11.392	178	758044	53.540	ng	99
73) Carbazole	11.551	167	665174	52.983	ng	99
74) Di-n-butylphthalate	11.880	149	783458	51.494	ng	99
75) Fluoranthene	12.533	202	792604	55.552	ng	98
77) Benzidine	12.657	184	173242	28.873	ng	99
78) Pyrene	12.763	202	824927	45.916	ng	99
80) Butylbenzylphthalate	13.380	149	311075	49.562	ng	99
81) Benzo(a)anthracene	13.951	228	637983	49.397	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	98974	24.095	ng	98
83) Chrysene	13.992	228	562189	47.496	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	403170	50.636	ng	99
85) Di-n-octyl phthalate	14.574	149	602500	48.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	538149	50.861	ng	95
88) Benzo(b)fluoranthene	15.009	252	498092	48.302	ng	98
89) Benzo(k)fluoranthene	15.039	252	472495	51.723	ng	98
90) Benzo(a)pyrene	15.368	252	461267	52.934	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	435153	51.119	ng	96
92) Benzo(g,h,i)perylene	17.315	276	407221	46.007	ng	96

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

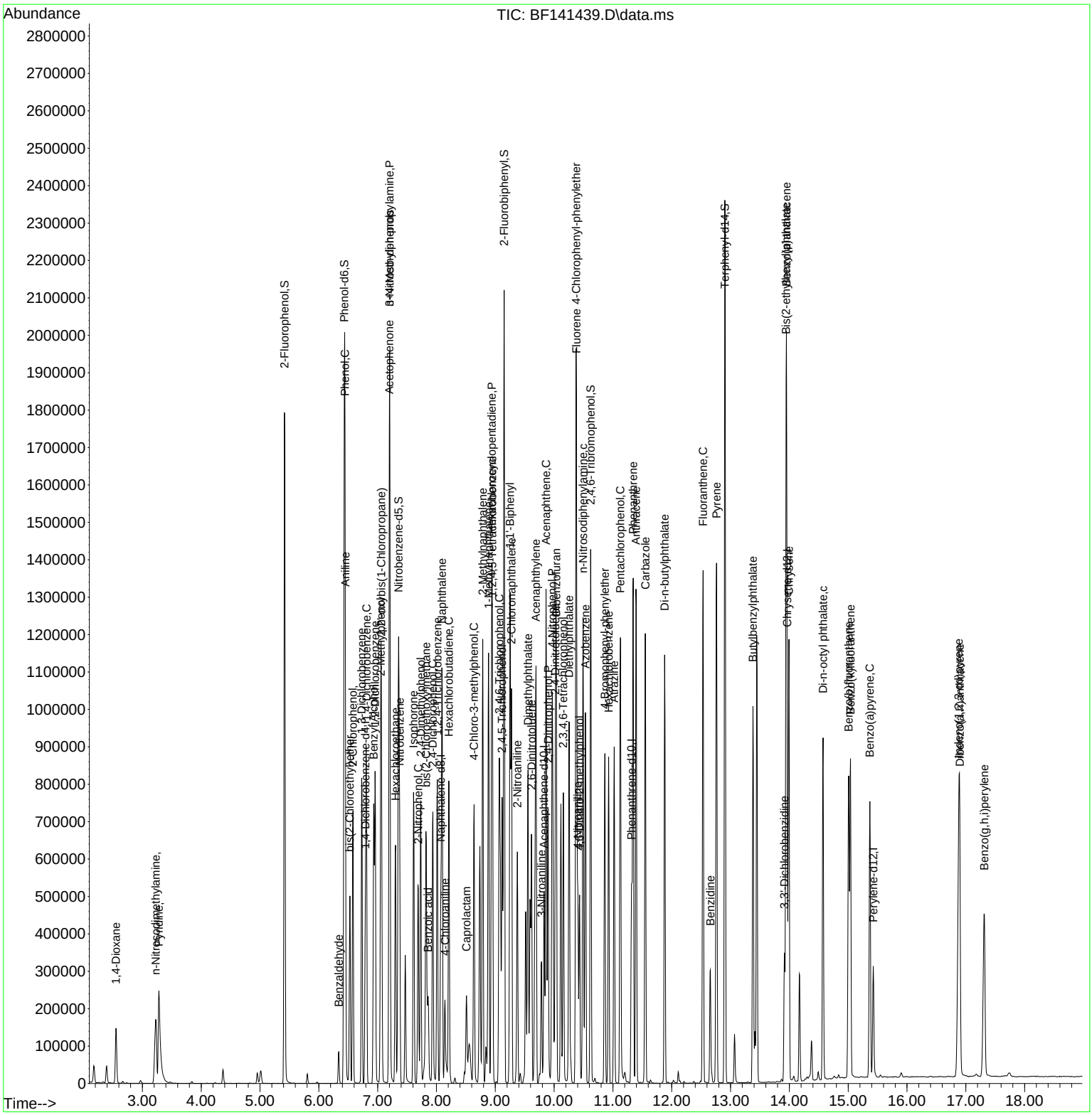
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Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

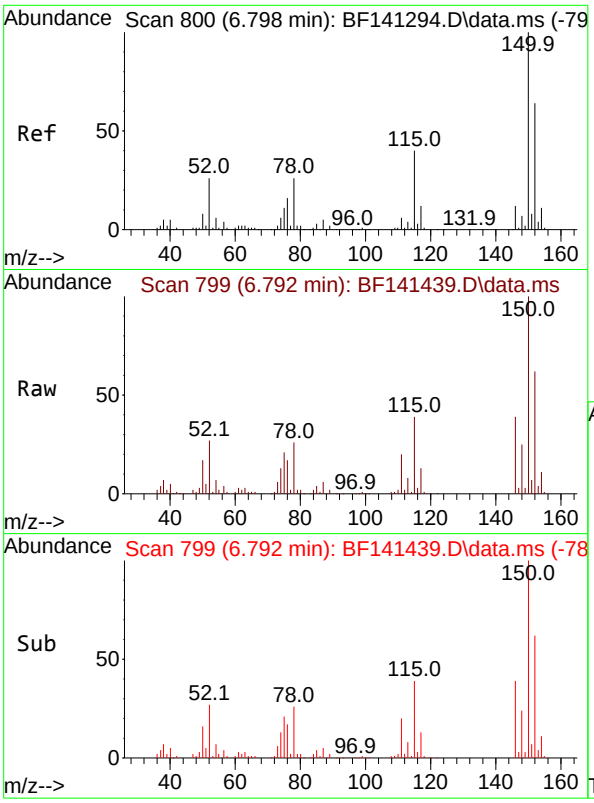
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

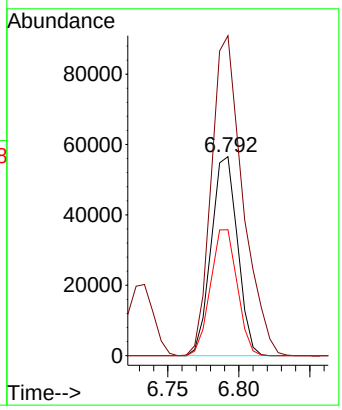




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:152 Resp: 7298

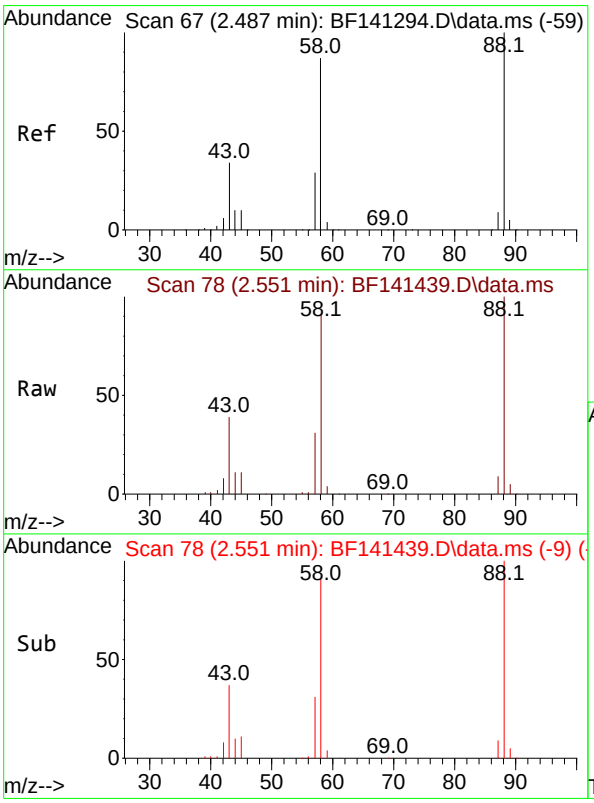
Ion	Ratio	Lower	Upper
152	100		
150	160.8	125.9	188.9
115	63.3	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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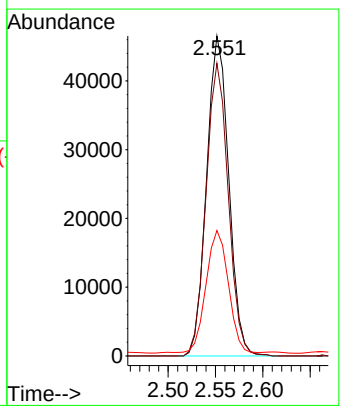
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

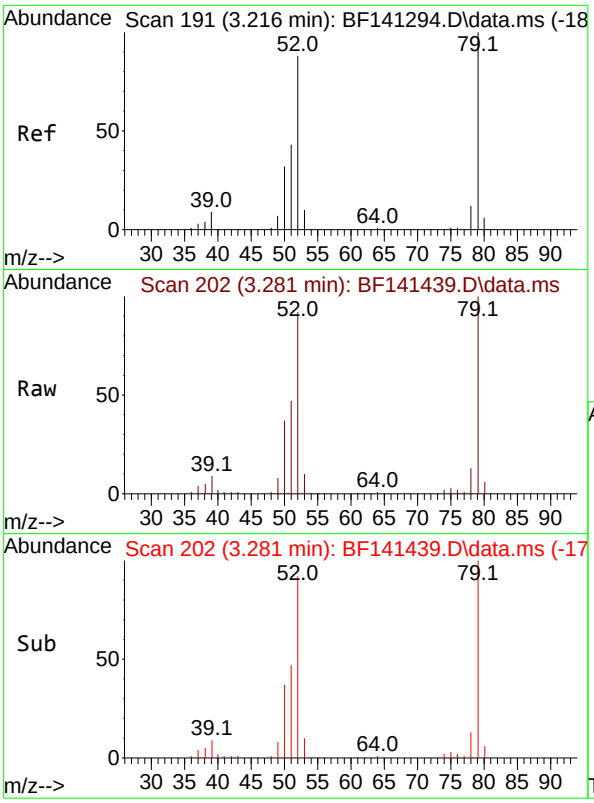


#2
1,4-Dioxane
Concen: 36.218 ng
RT: 2.551 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 88 Resp: 75727

Ion	Ratio	Lower	Upper
88	100		
58	91.6	70.2	105.4
43	38.9	27.6	41.4





#3
Pyridine
Concen: 37.521 ng
RT: 3.281 min Scan# 2(
Delta R.T. 0.053 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

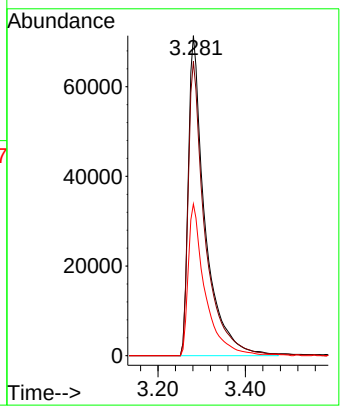
Tgt Ion: 79 Resp: 18902(

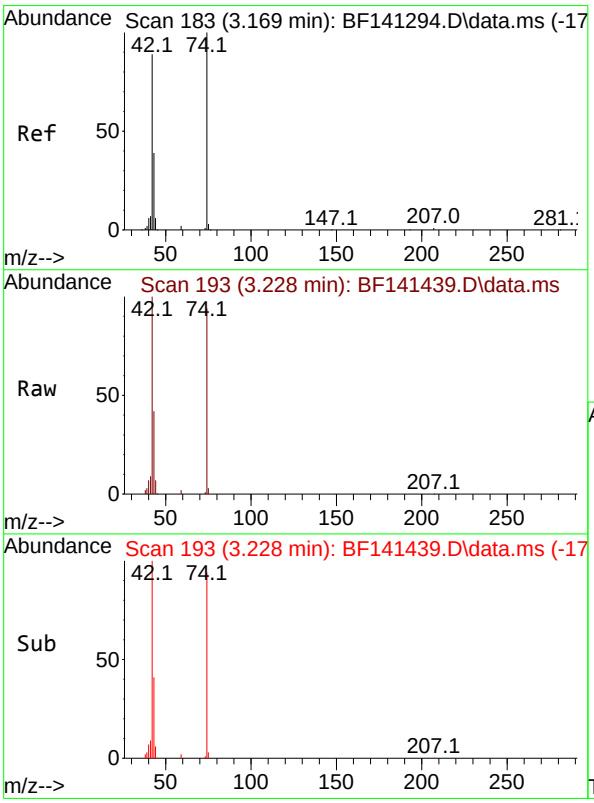
Ion	Ratio	Lower	Upper
79	100		
52	92.0	70.3	105.5
51	47.4	34.3	51.5

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
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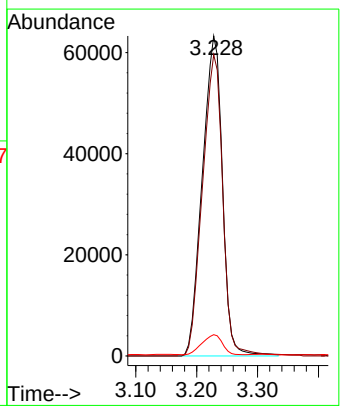


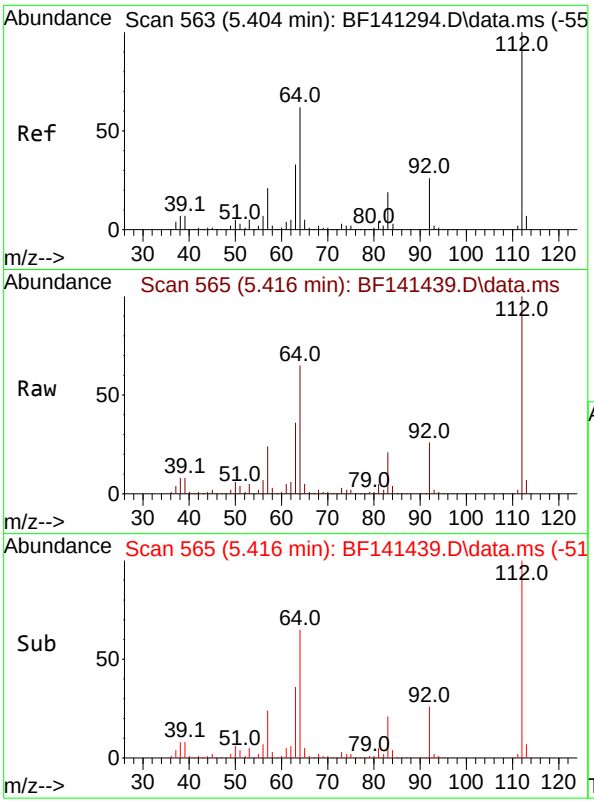


#4
n-Nitrosodimethylamine
Concen: 50.383 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.029 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 42 Resp: 144996

Ion	Ratio	Lower	Upper
42	100		
74	94.2	90.3	135.5
44	6.6	5.7	8.5

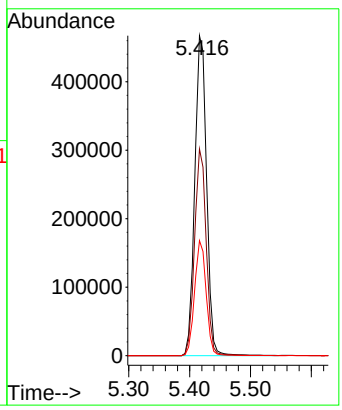




#5
2-Fluorophenol
Concen: 132.627 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:112 Resp: 63053

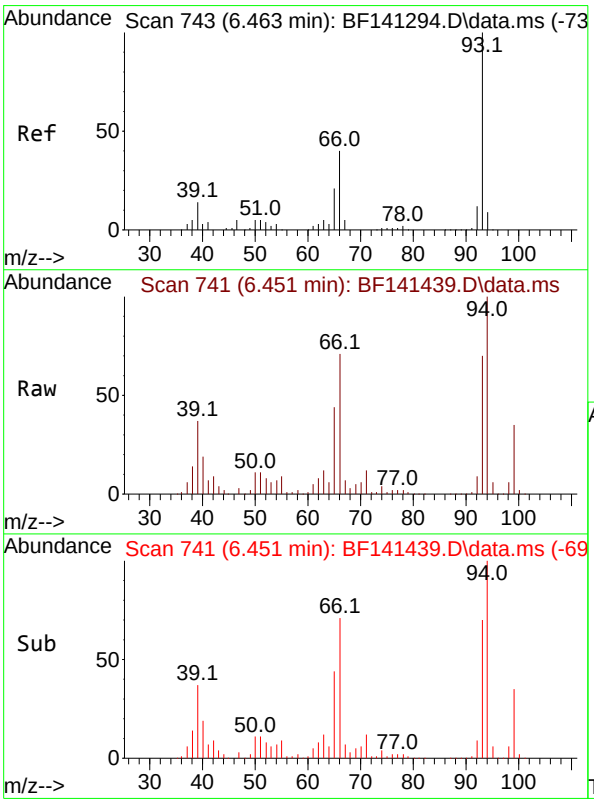
Ion	Ratio	Lower	Upper
112	100		
64	64.6	49.8	74.8
63	35.9	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

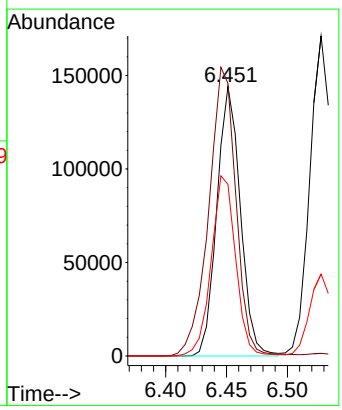
Reviewed By :Yogesh Patel 02/06/2025
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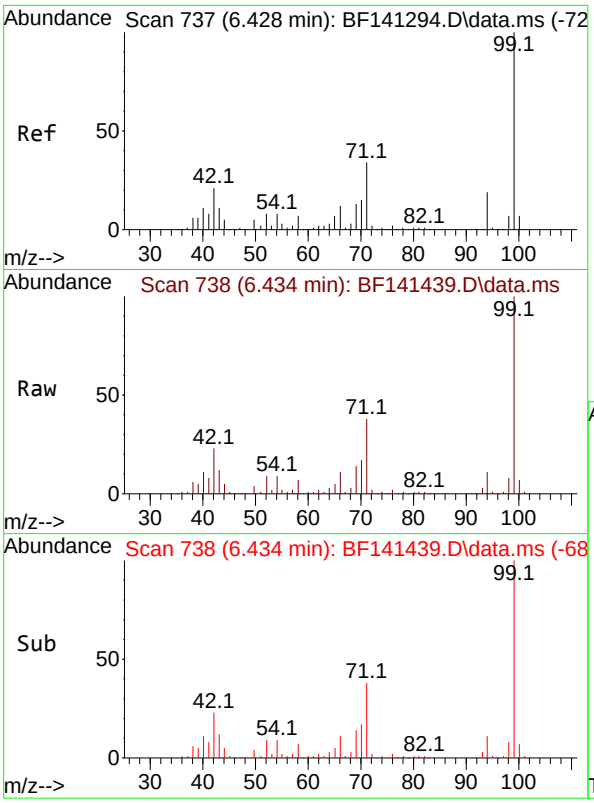


#6
Aniline
Concen: 37.847 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 93 Resp: 193758

Ion	Ratio	Lower	Upper
93	100		
66	101.2	32.5	48.7#
65	63.6	17.0	25.6#

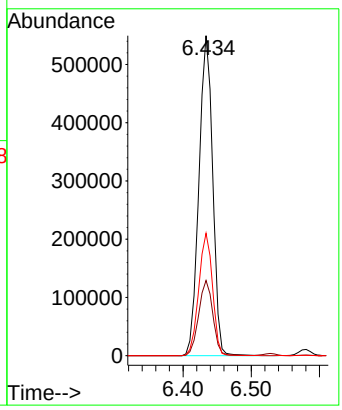




#7
Phenol-d6
Concen: 127.565 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 99 Resp: 77151

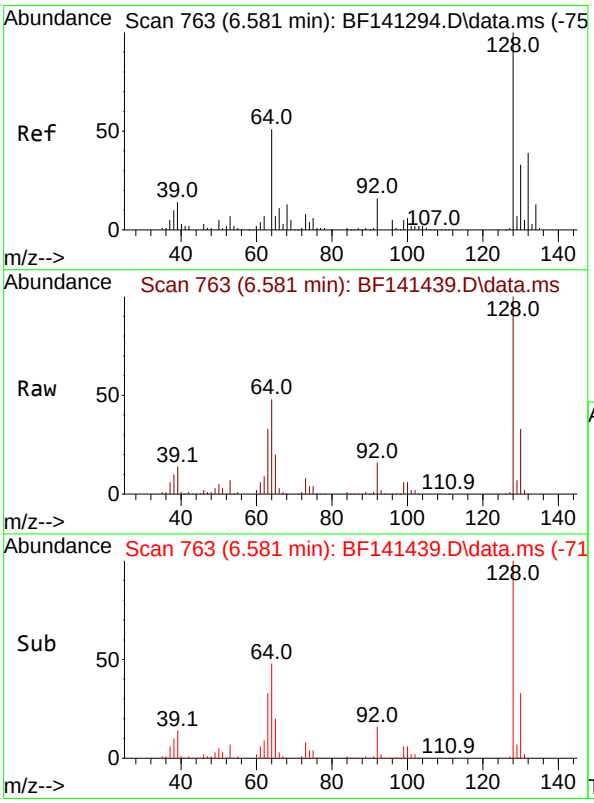
Ion	Ratio	Lower	Upper
99	100		
42	23.5	17.1	25.7
71	38.2	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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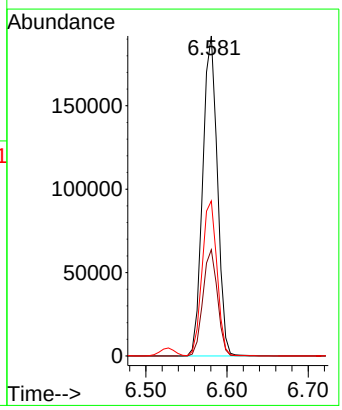
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

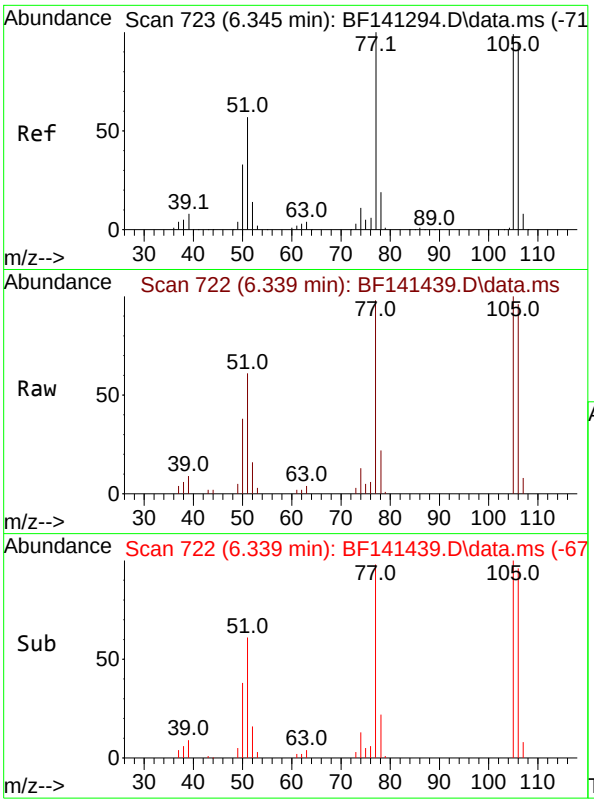


#8
2-Chlorophenol
Concen: 47.243 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:128 Resp: 240737

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.5	52.5
64	48.4	32.9	72.9

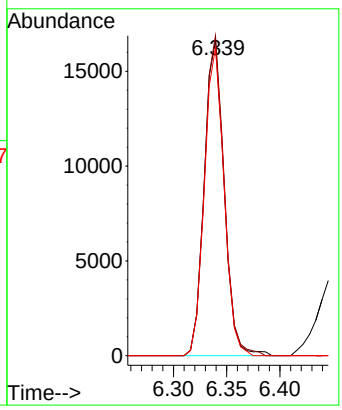




#9
Benzaldehyde
Concen: 6.147 ng
RT: 6.339 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 77 Resp: 2153

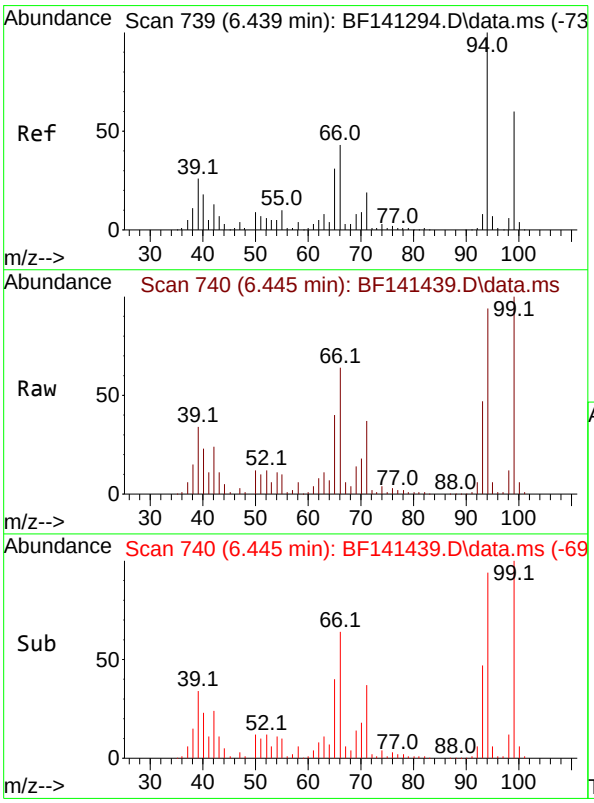
Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.4	119.4
106	97.7	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
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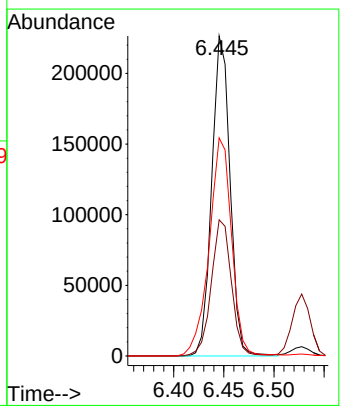
Reviewed By :Yogesh Patel 02/06/2025
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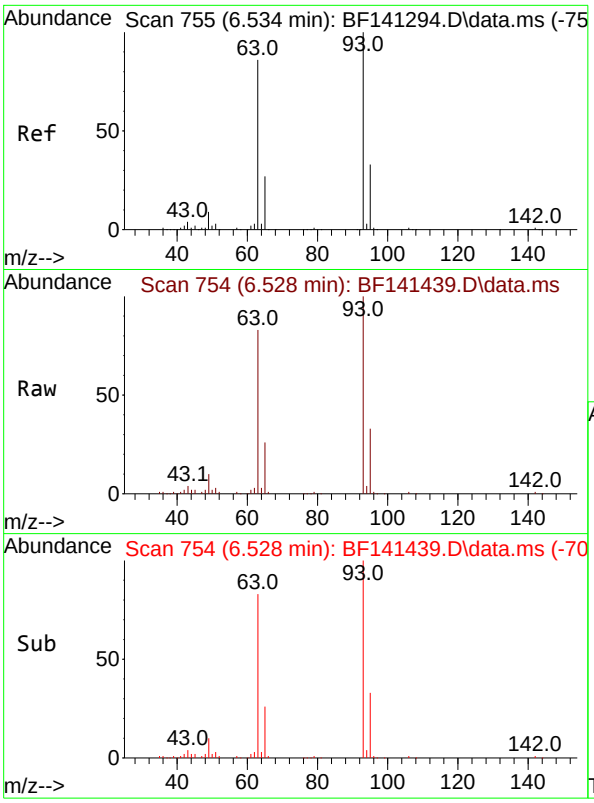


#10
Phenol
Concen: 44.852 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 94 Resp: 287555

Ion	Ratio	Lower	Upper
94	100		
65	42.5	10.8	50.8
66	68.2	23.3	63.3#

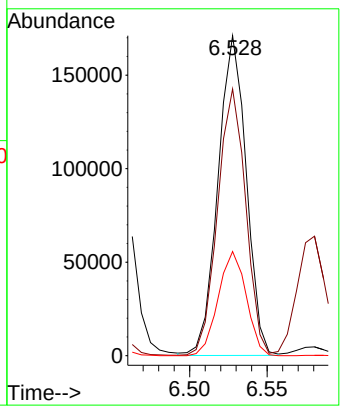




#11
bis(2-Chloroethyl)ether
Concen: 44.066 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 93 Resp: 21661

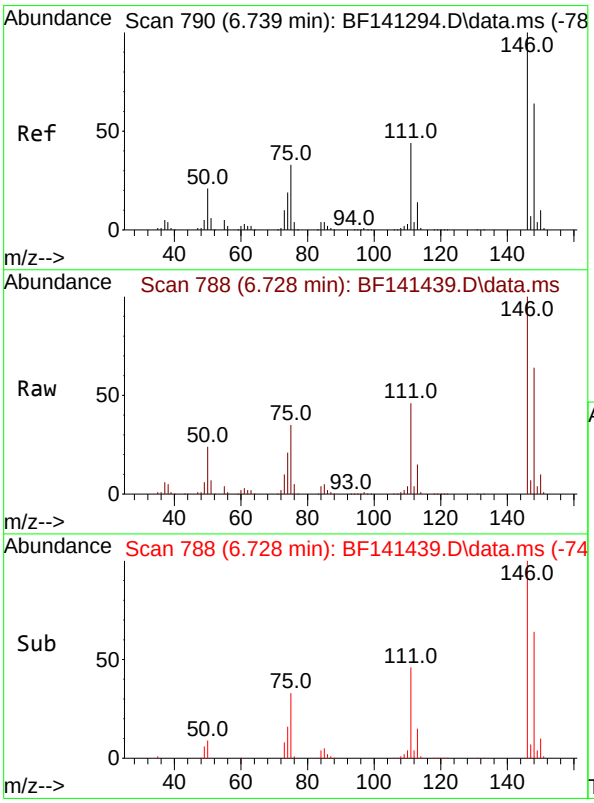
Ion	Ratio	Lower	Upper
93	100		
63	83.4	65.0	105.0
95	32.6	12.4	52.4



Instrument :
BNA_F
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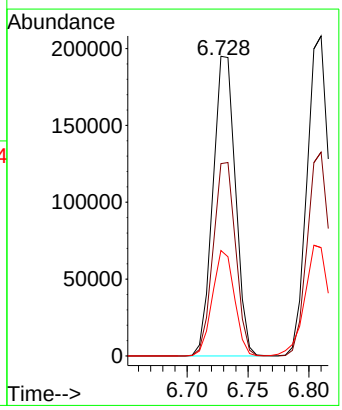
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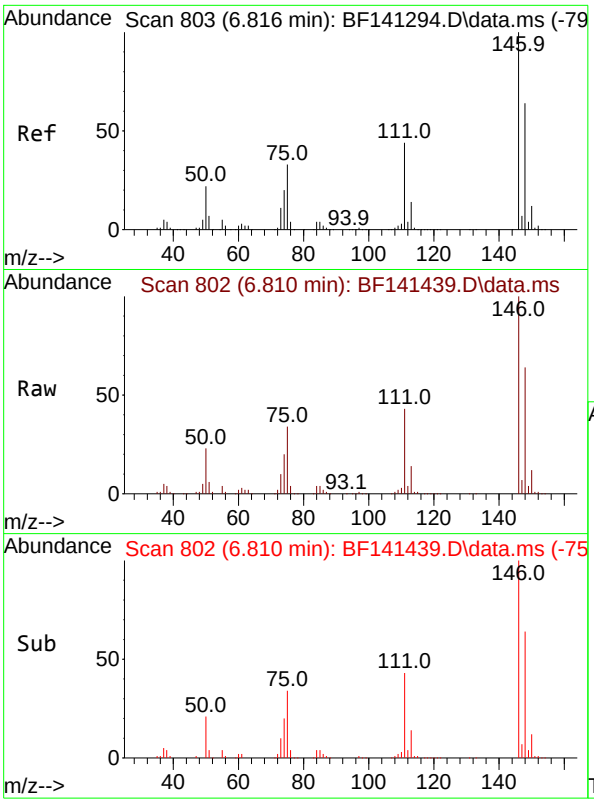


#12
1,3-Dichlorobenzene
Concen: 44.789 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:146 Resp: 251649

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	35.2	26.2	39.4





#13
1,4-Dichlorobenzene
Concen: 46.544 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

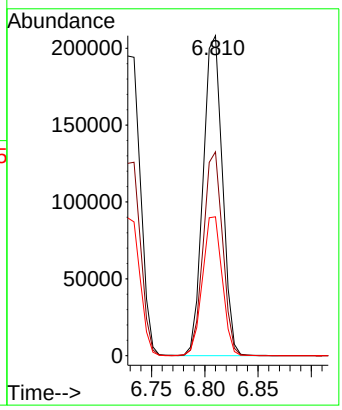
Tgt Ion:146 Resp: 26271

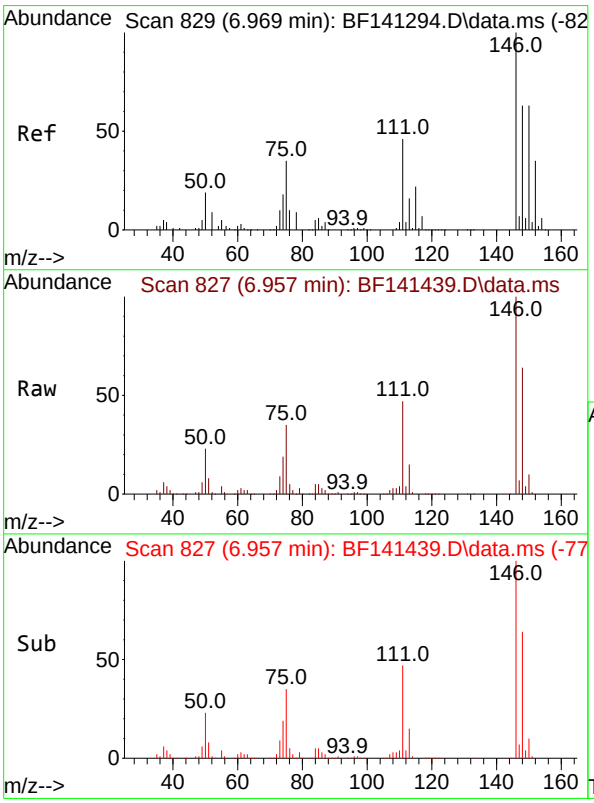
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	43.4	35.0	52.4

Instrument :
BNA_F
ClientSampleId :
PB166294BS

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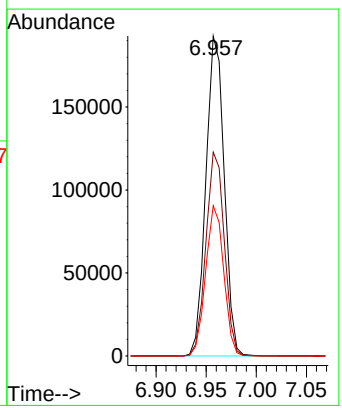


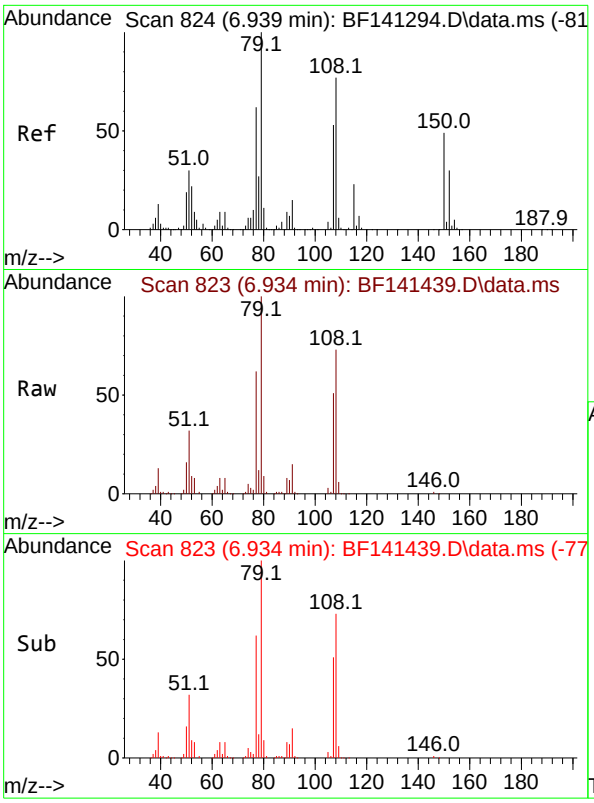


#14
1,2-Dichlorobenzene
Concen: 46.497 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:146 Resp: 245753

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	47.0	36.6	55.0





#15
Benzyl Alcohol
Concen: 51.793 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

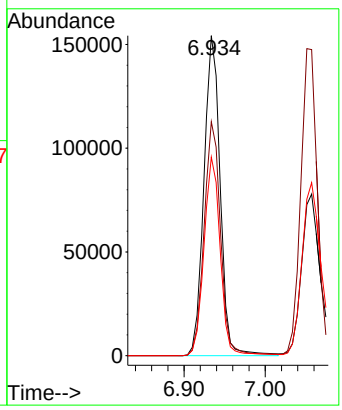
Tgt Ion: 79 Resp: 21406

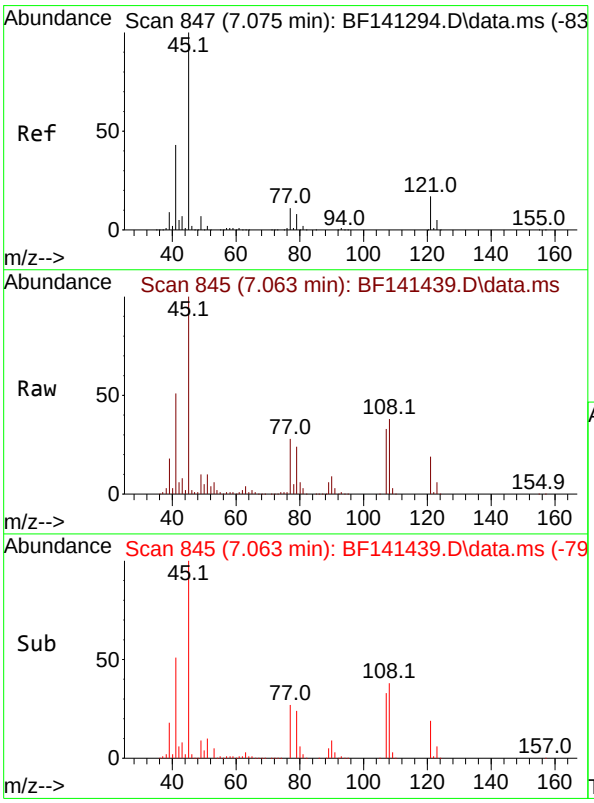
Ion	Ratio	Lower	Upper
79	100		
108	73.1	61.4	92.0
77	62.1	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

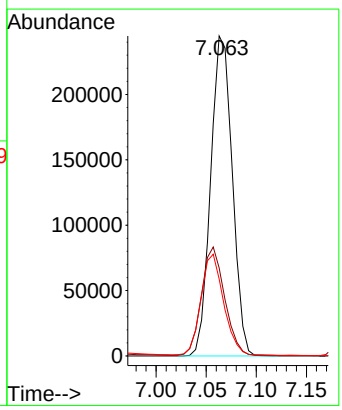


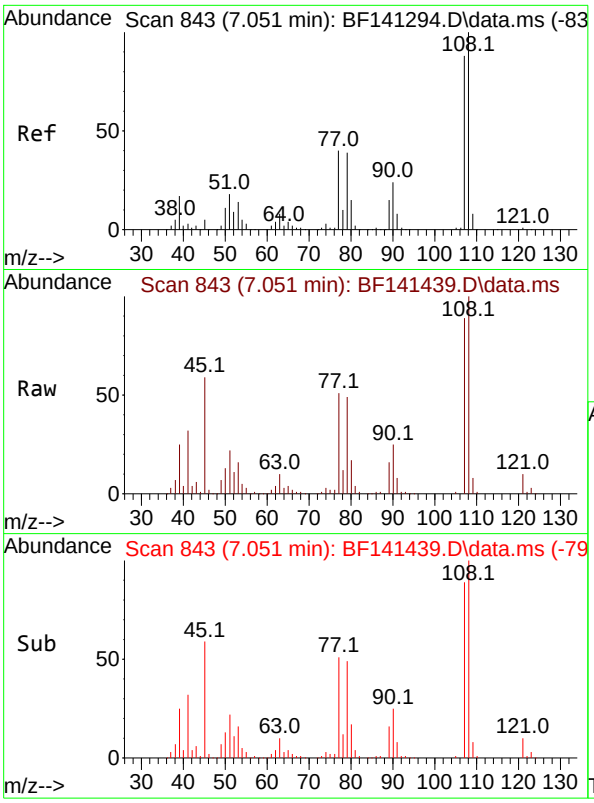


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.966 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 45 Resp: 367278

Ion	Ratio	Lower	Upper
45	100		
77	27.5	0.0	31.8
79	24.0	0.0	29.1

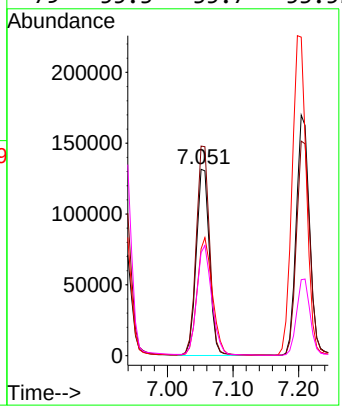




#17
2-Methylphenol
Concen: 44.752 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:107 Resp: 18533

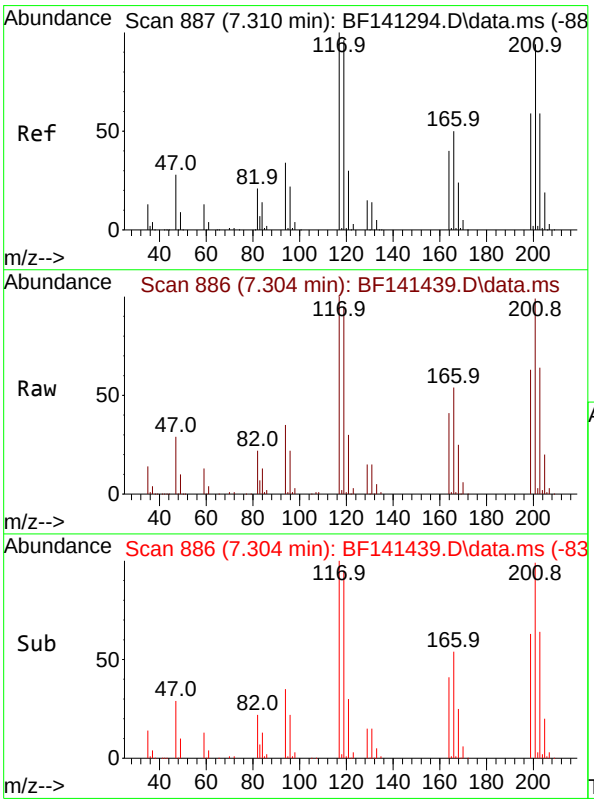
Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.8	136.2
77	57.3	36.2	54.4#
79	55.3	35.7	53.5#



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

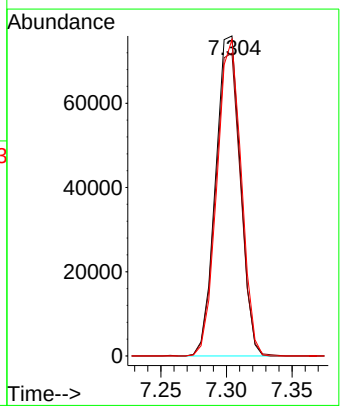
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

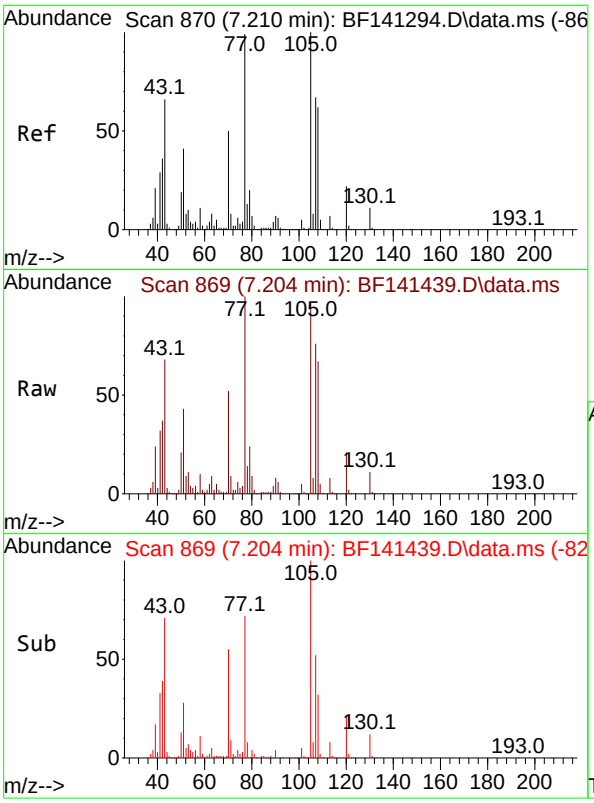


#18
Hexachloroethane
Concen: 47.931 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:117 Resp: 99805

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	114.8
201	98.9	74.8	112.2

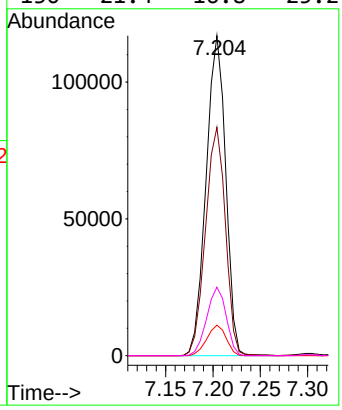




#19
n-Nitroso-di-n-propylamine
Concen: 46.816 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 70 Resp: 16824

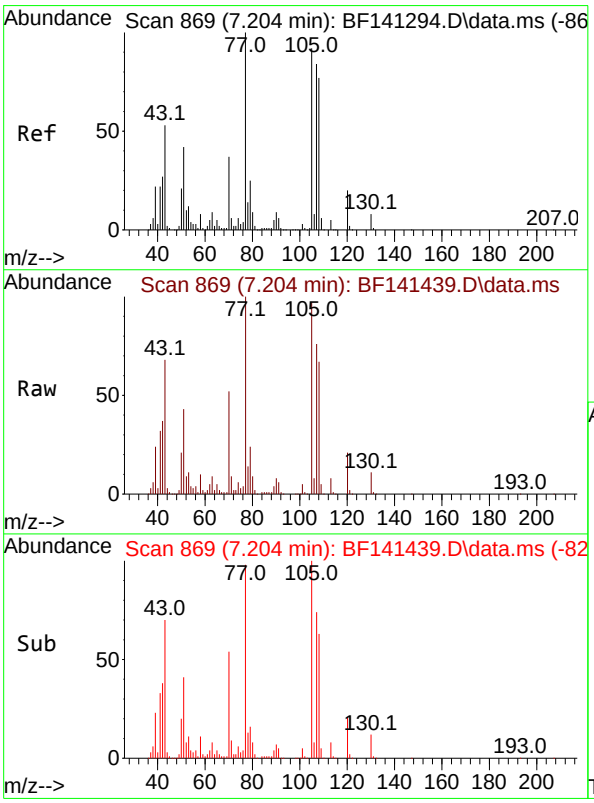
Ion	Ratio	Lower	Upper
70	100		
42	71.3	56.8	85.2
101	9.6	7.7	11.5
130	21.4	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

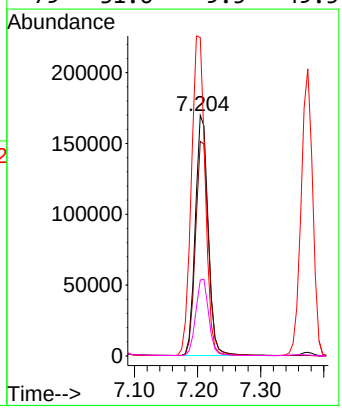
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

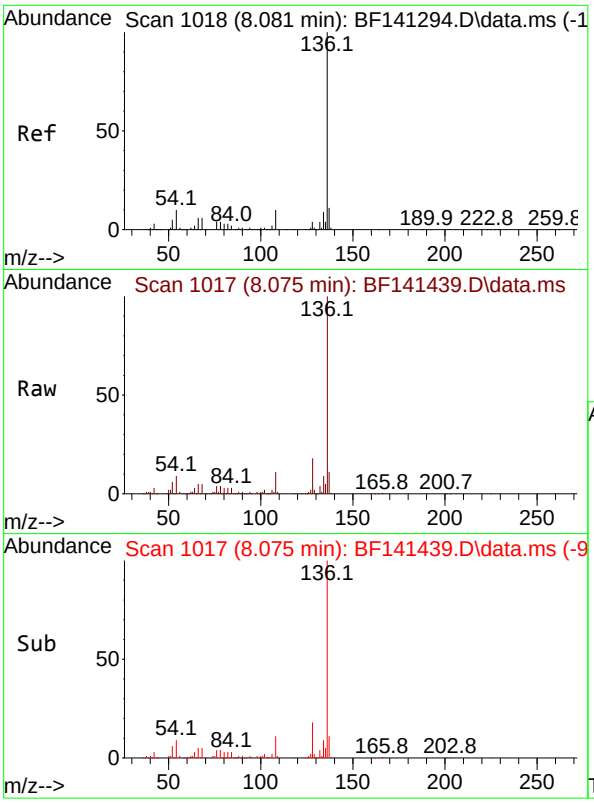


#20
3+4-Methylphenols
Concen: 47.083 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:107 Resp: 239419

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.9	110.9
77	132.4	98.5	138.5
79	31.6	9.5	49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

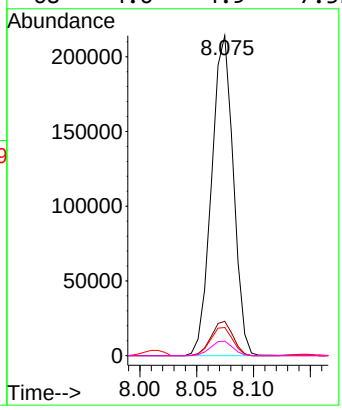
Instrument :
BNA_F
ClientSampleId :
PB166294BS

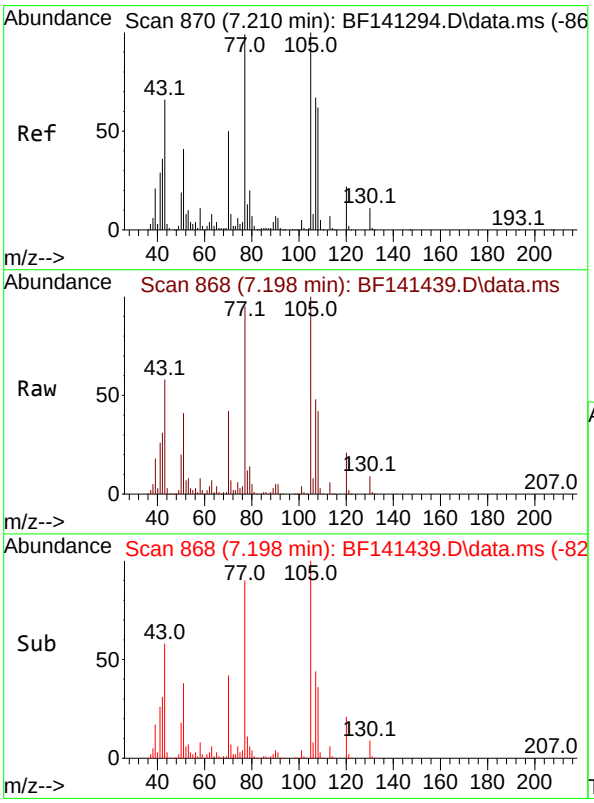
Tgt Ion:136 Resp: 28562

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.8	11.8
68	4.6	4.9	7.3#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

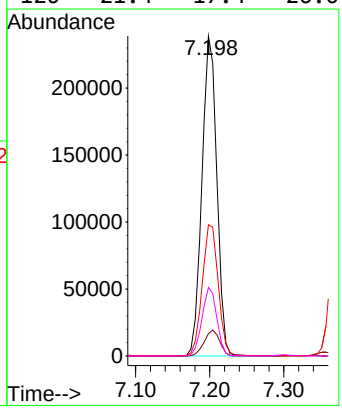


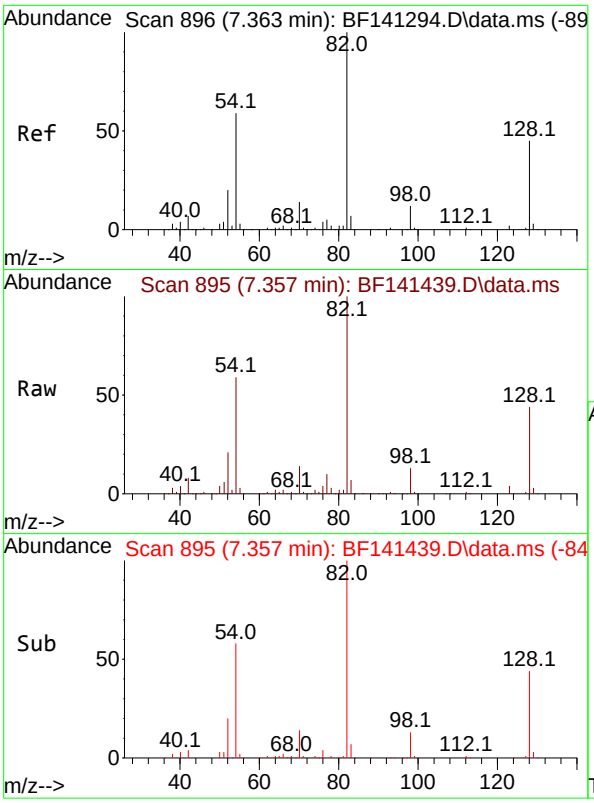


#22
Acetophenone
Concen: 49.051 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:105 Resp: 333018

Ion	Ratio	Lower	Upper
105	100		
71	6.9	6.8	10.2
51	41.0	32.6	49.0
120	21.4	17.4	26.0

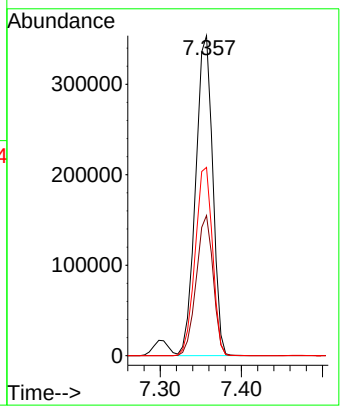




#23
Nitrobenzene-d5
Concen: 95.086 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 82 Resp: 51518

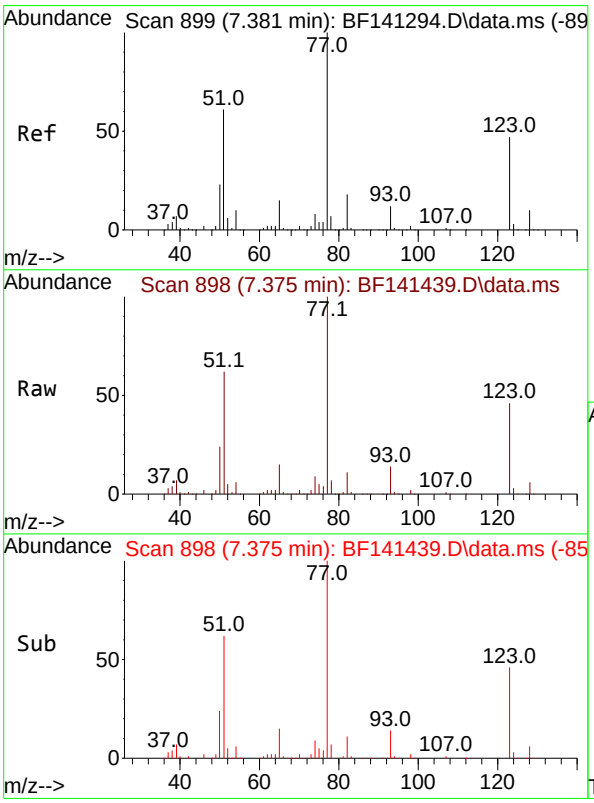
Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.7	53.5
54	58.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

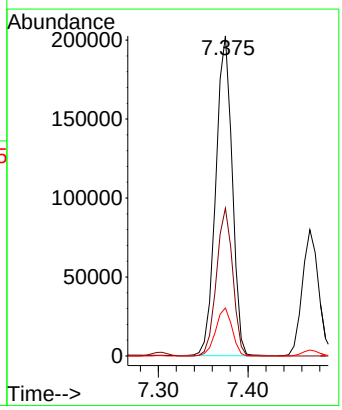
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

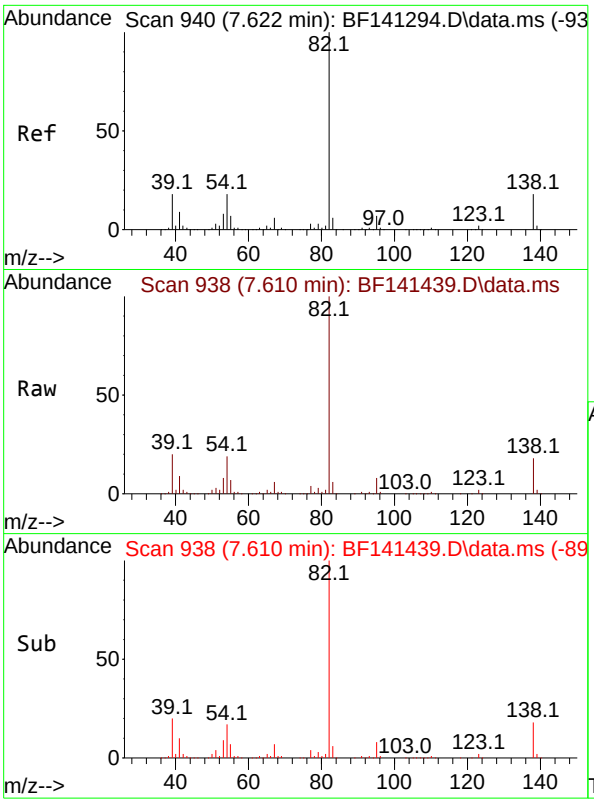


#24
Nitrobenzene
Concen: 45.849 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 77 Resp: 257434

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.3	55.9
65	15.0	11.8	17.6

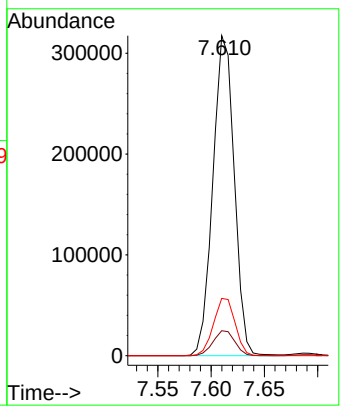




#25
Isophorone
Concen: 47.245 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 82 Resp: 44248

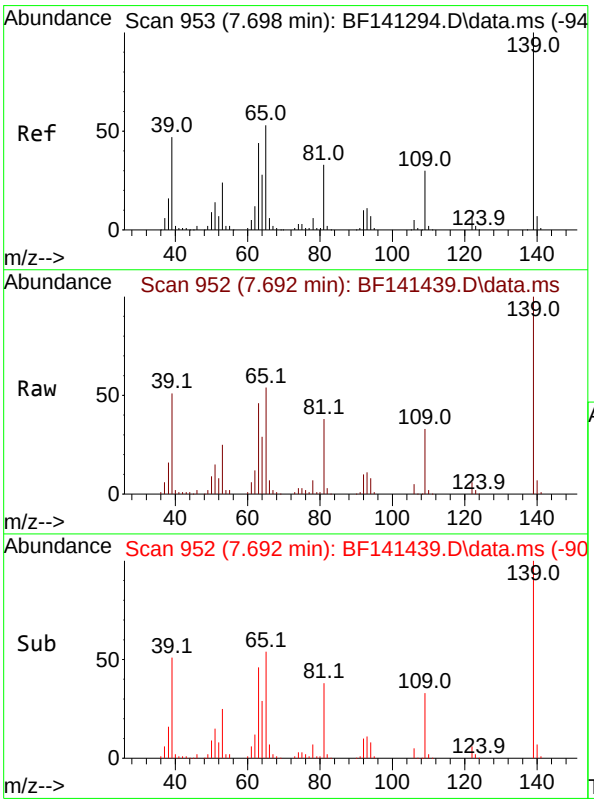
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.8	8.6
138	17.9	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

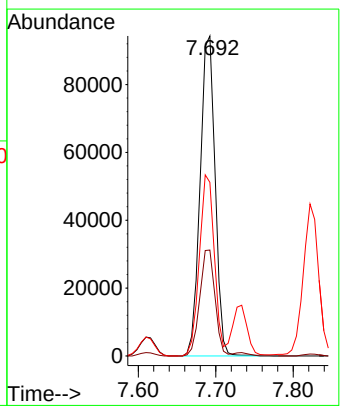
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

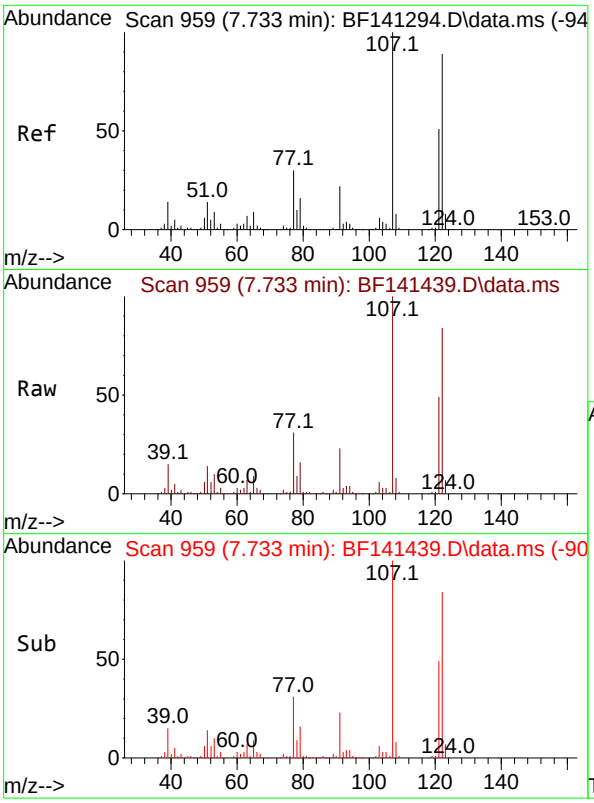


#26
2-Nitrophenol
Concen: 47.983 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 127059

Ion	Ratio	Lower	Upper
139	100		
109	33.1	23.8	35.6
65	54.2	42.2	63.4

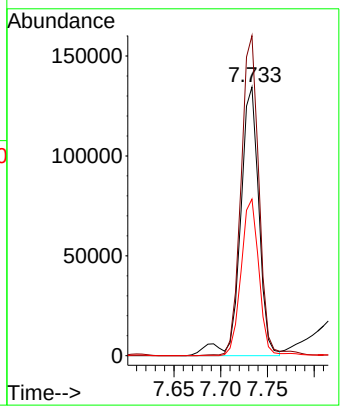




#27
2,4-Dimethylphenol
Concen: 54.764 ng m
RT: 7.733 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:122 Resp: 18458

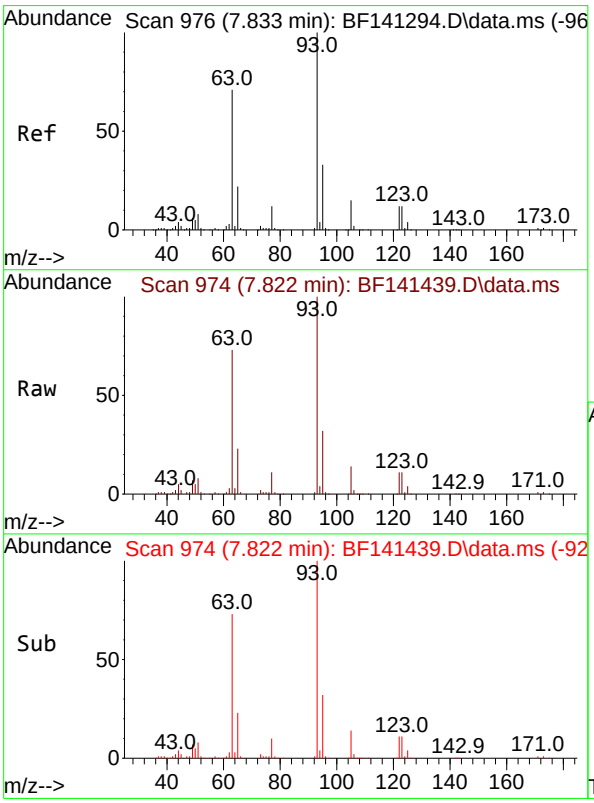
Ion	Ratio	Lower	Upper
122	100		
107	119.1	89.9	134.9
121	58.3	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

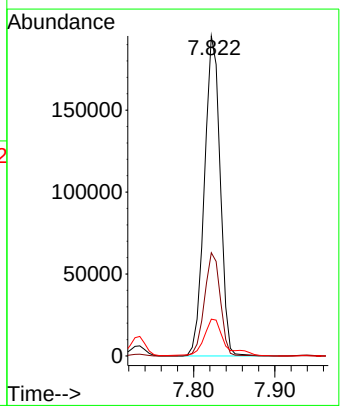
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

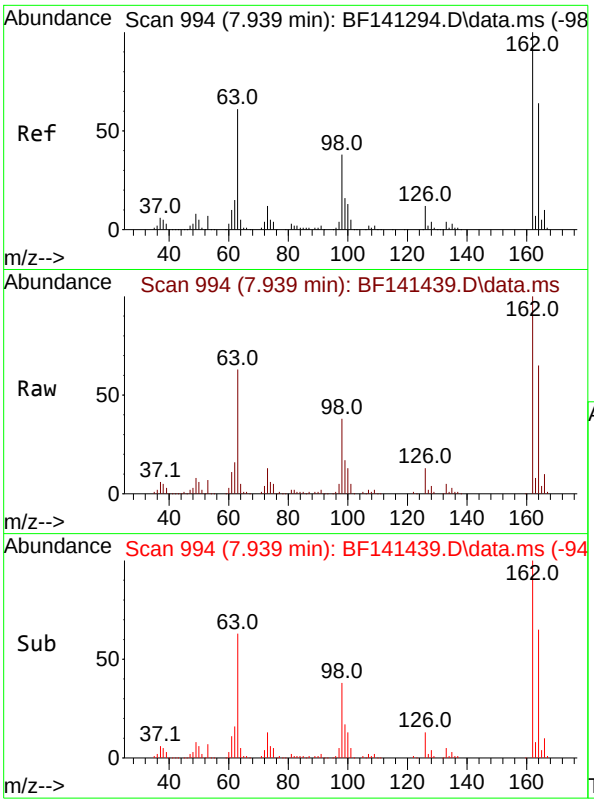


#28
bis(2-Chloroethoxy)methane
Concen: 43.985 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 93 Resp: 262769

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.5	10.2	15.4

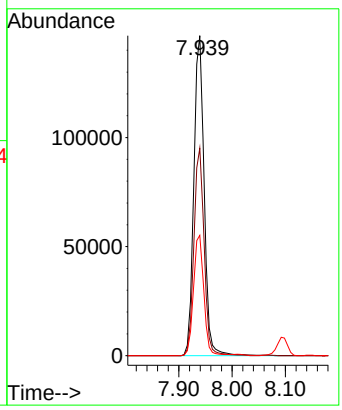




#29
2,4-Dichlorophenol
Concen: 47.784 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:162 Resp: 19716

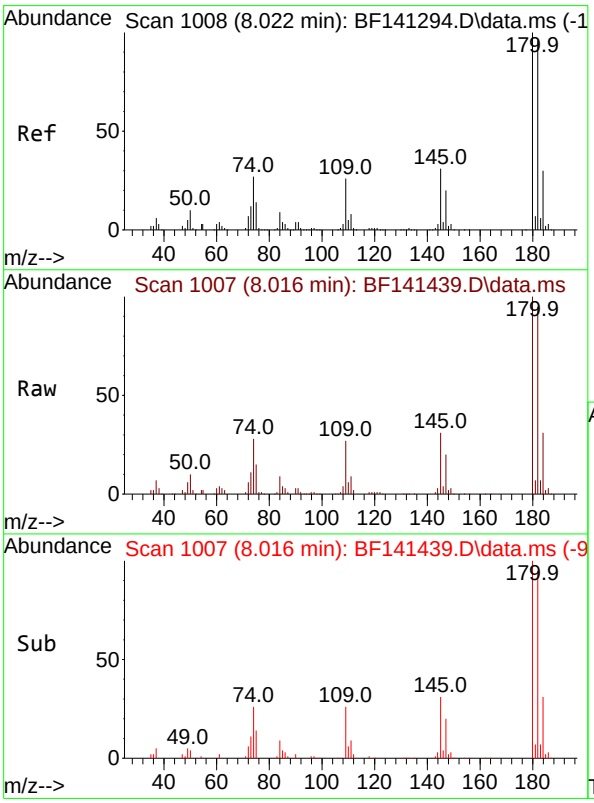
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	37.6	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

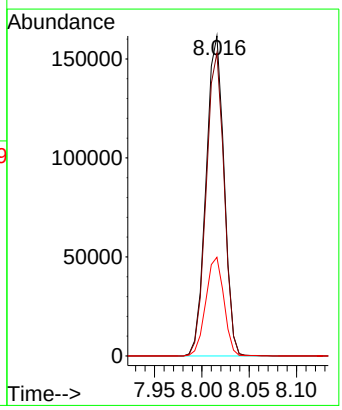
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

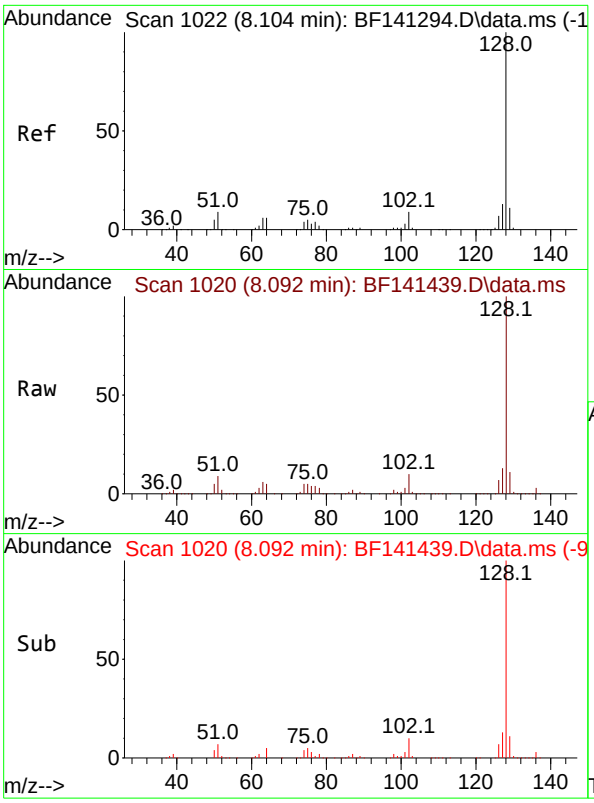


#30
1,2,4-Trichlorobenzene
Concen: 45.347 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:180 Resp: 213686

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	30.8	24.9	37.3





#31
Naphthalene
Concen: 45.810 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

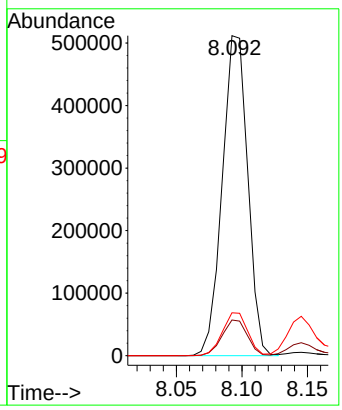
Tgt Ion:128 Resp: 69120

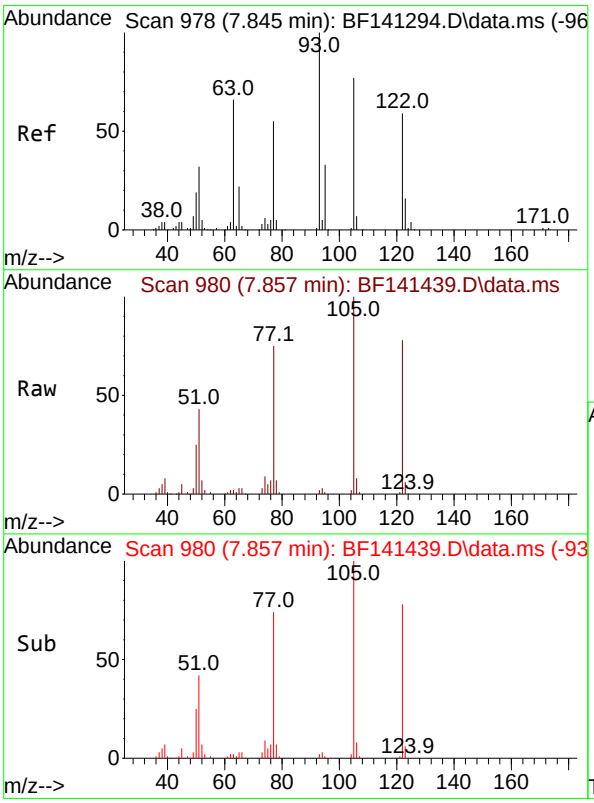
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

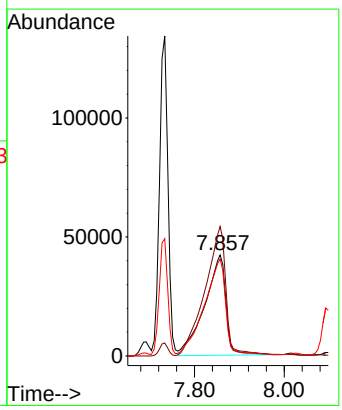


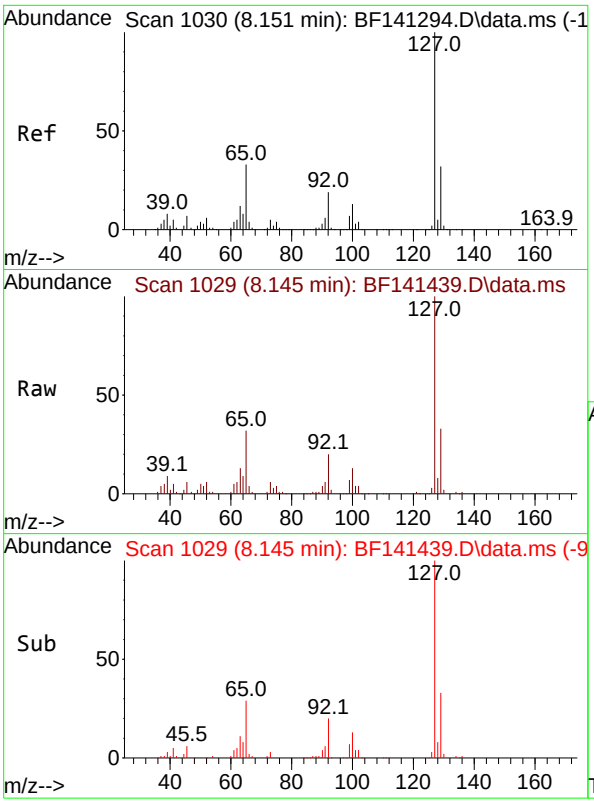


#32
Benzoic acid
Concen: 44.774 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:122 Resp: 138729

Ion	Ratio	Lower	Upper
122	100		
105	128.1	103.4	143.4
77	96.0	70.9	110.9

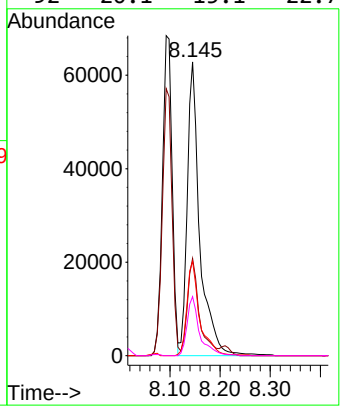




#33
4-Chloroaniline
Concen: 21.491 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:127 Resp: 10996

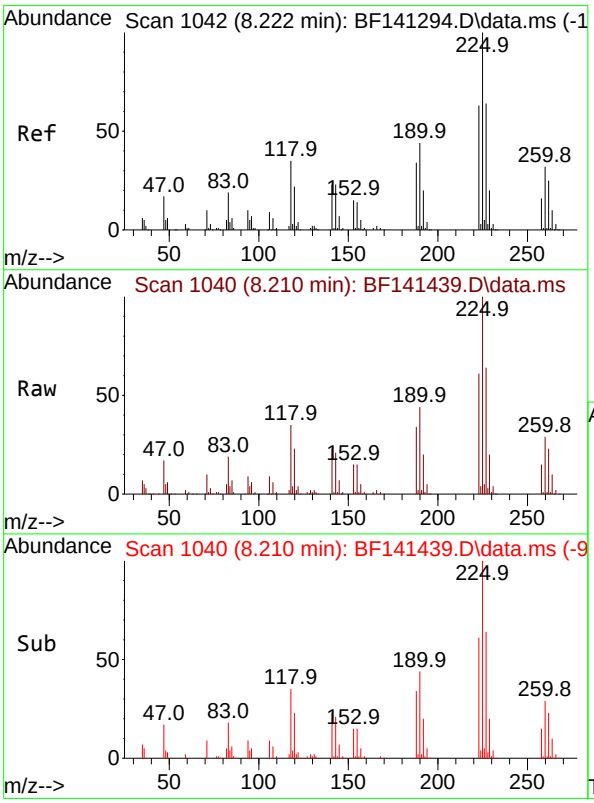
Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.7	38.5
65	32.2	26.4	39.6
92	20.1	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
PB166294BS

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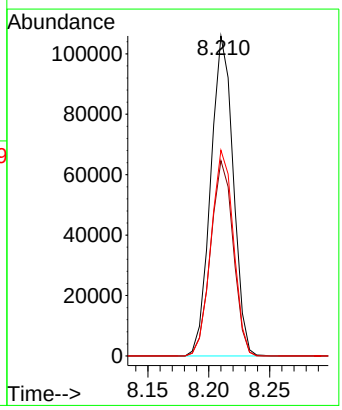
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

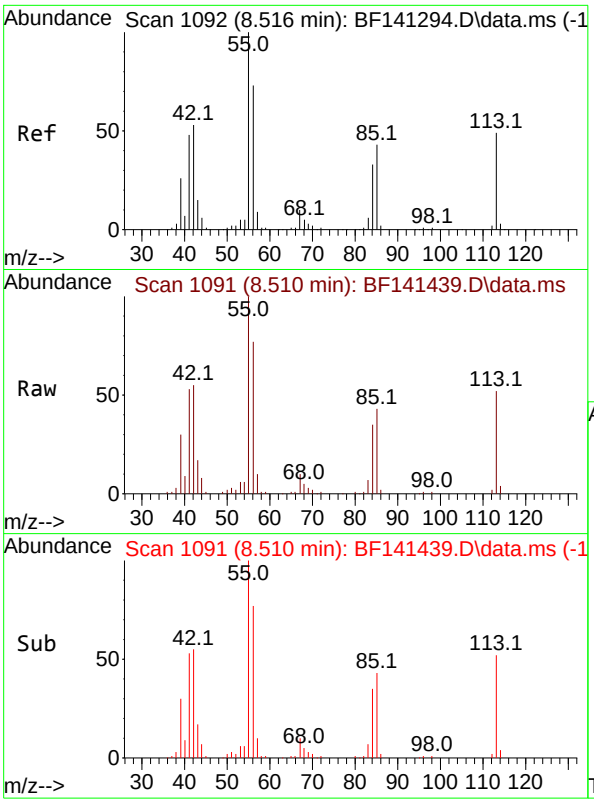


#34
Hexachlorobutadiene
Concen: 49.340 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:225 Resp: 136347

Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.4	75.6
227	64.3	51.3	76.9





#35
Caprolactam
Concen: 46.162 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

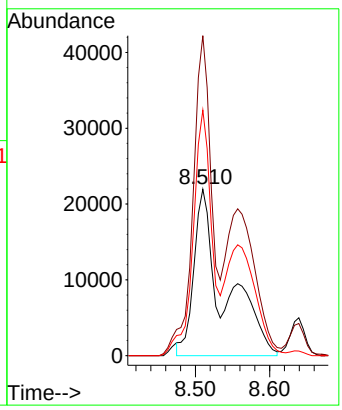
Tgt Ion:113 Resp: 6220

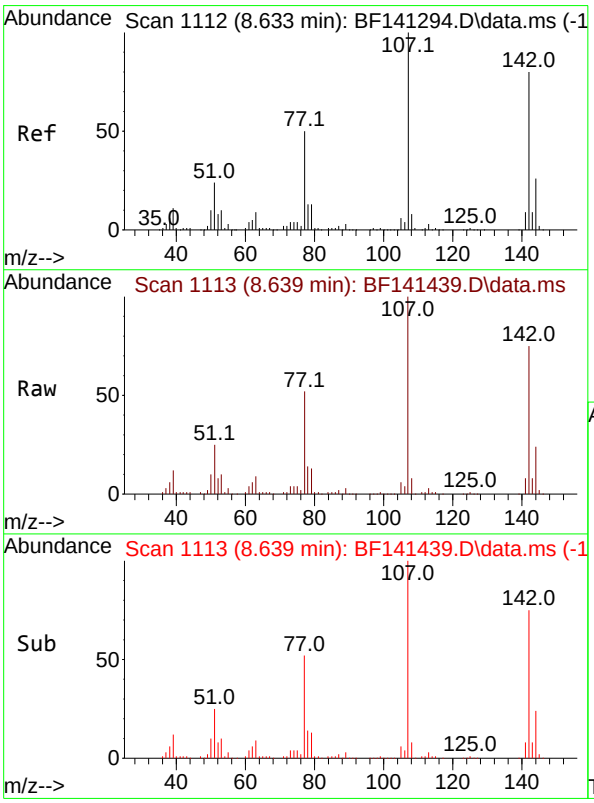
Ion	Ratio	Lower	Upper
113	100		
55	192.3	182.9	222.9
56	147.6	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
PB166294BS

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

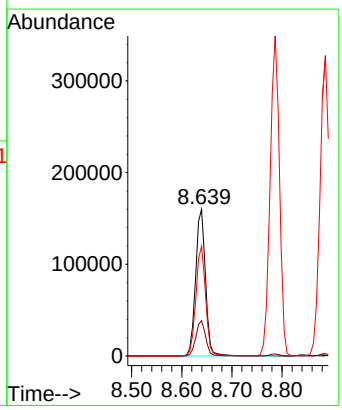


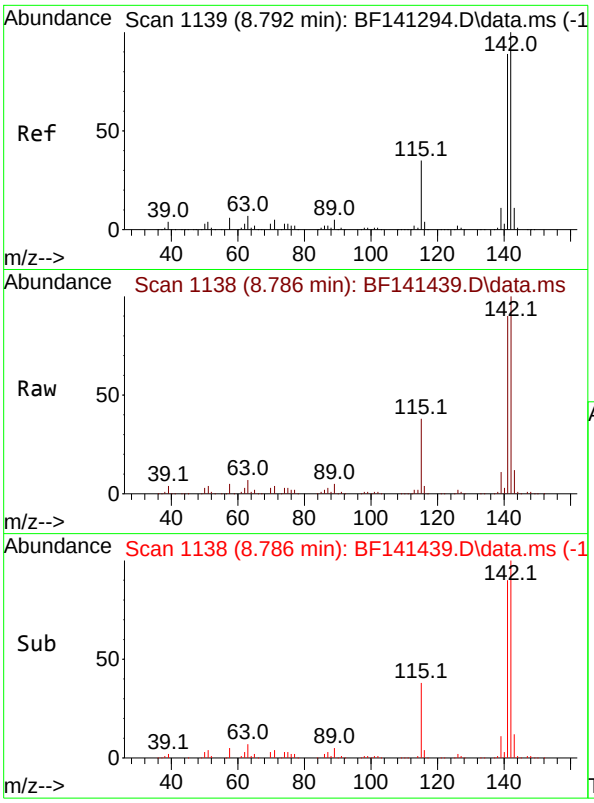


#36
4-Chloro-3-methylphenol
Concen: 49.249 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:107 Resp: 217975

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.7	31.1
142	74.8	63.8	95.8

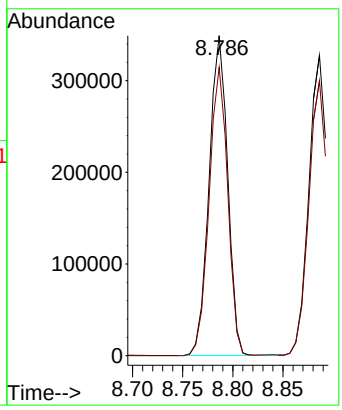




#37
2-Methylnaphthalene
Concen: 46.970 ng
RT: 8.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:142 Resp: 45044

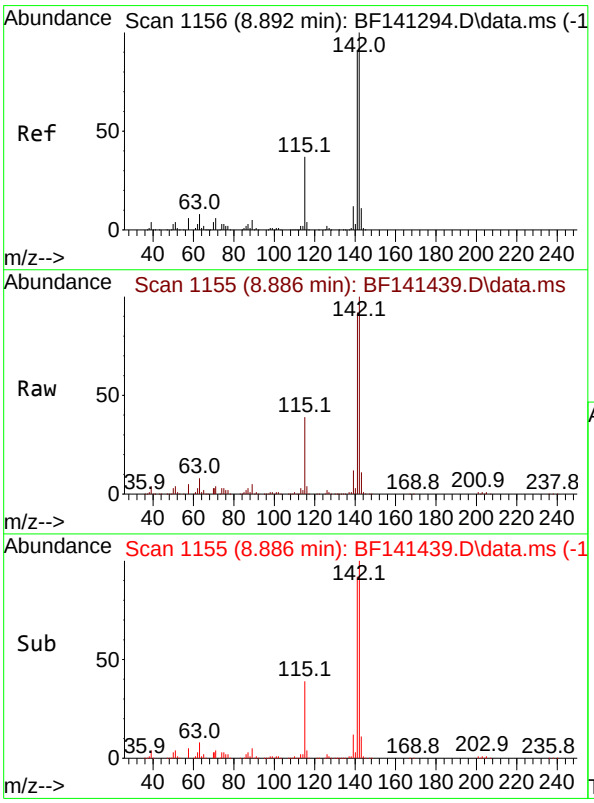
Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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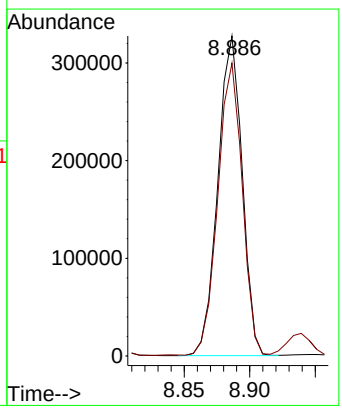
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

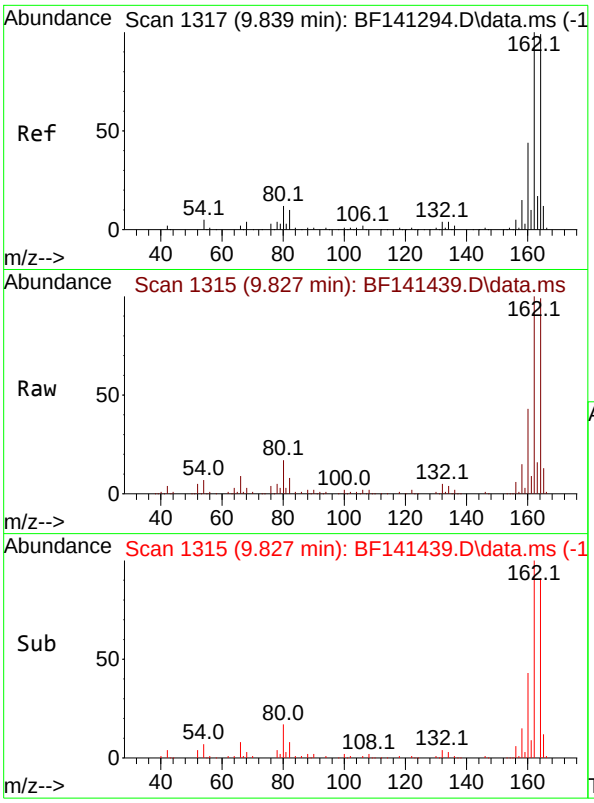


#38
1-Methylnaphthalene
Concen: 44.773 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:142 Resp: 421785

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8

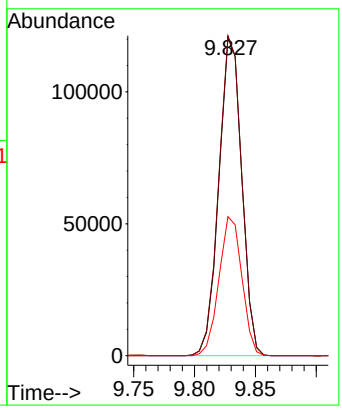




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:164 Resp: 15707

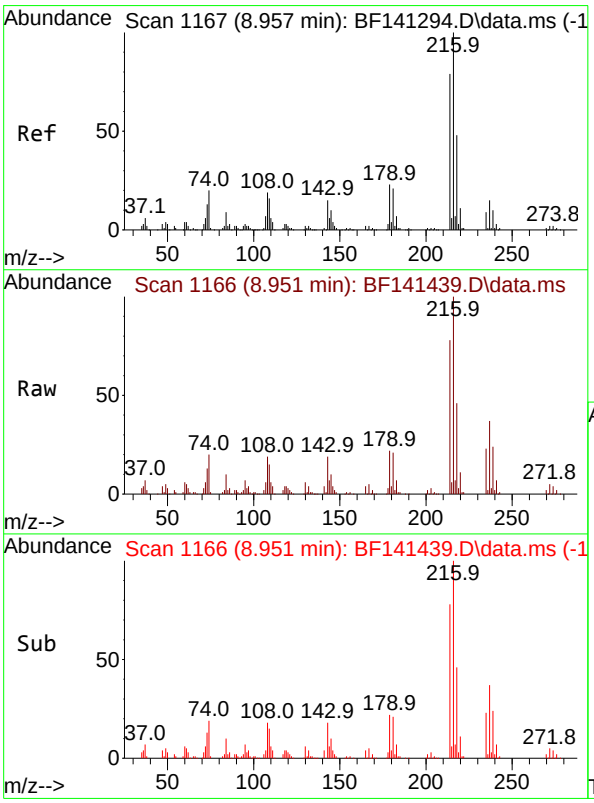
Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	43.7	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

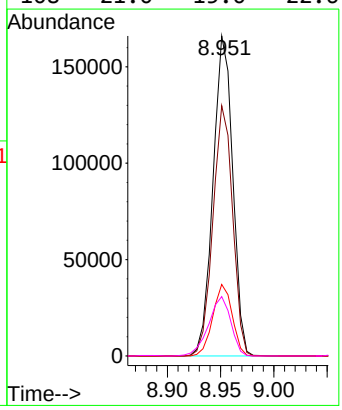
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

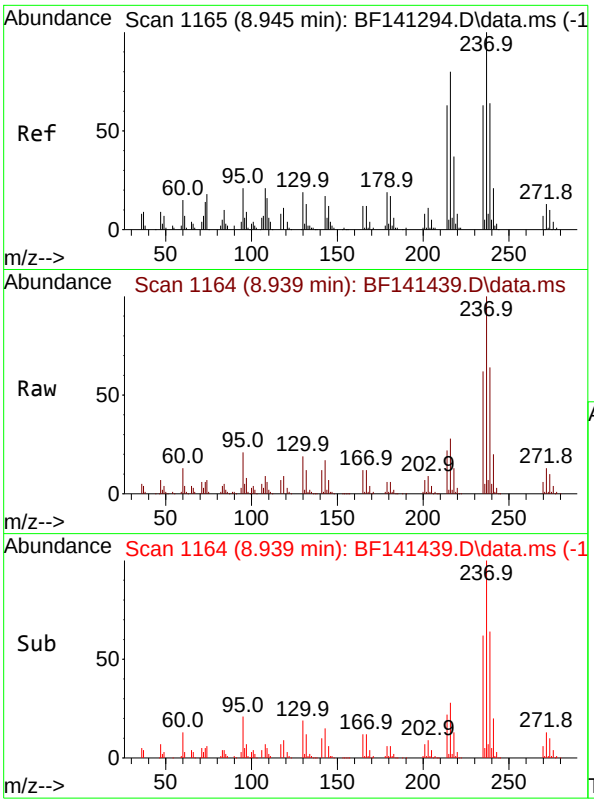


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.747 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:216 Resp: 213361

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	22.0	17.8	26.8
108	21.0	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 184.182 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

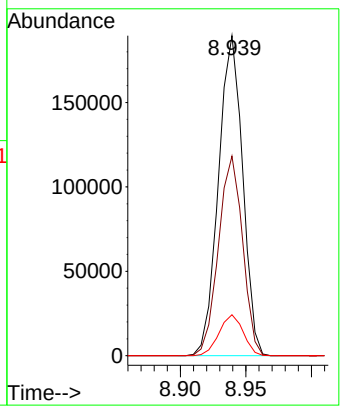
Instrument :
BNA_F
ClientSampleId :
PB166294BS

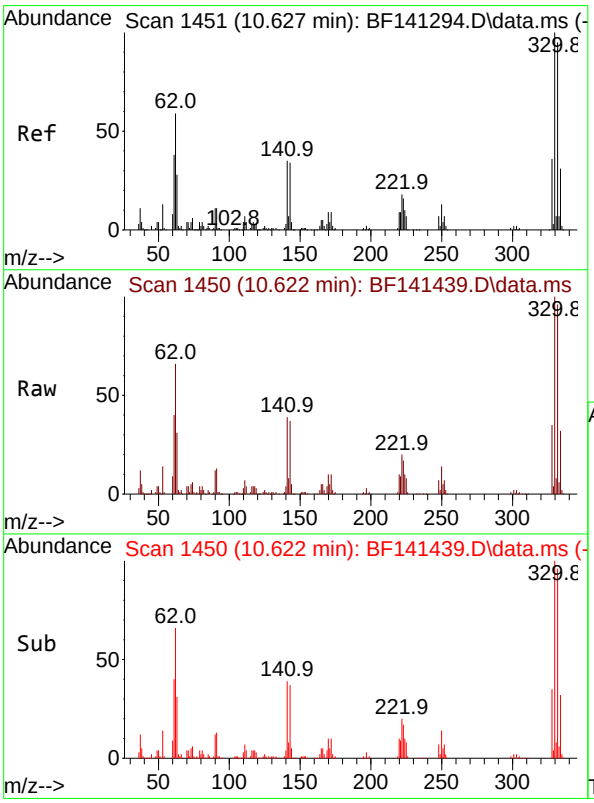
Tgt Ion:237 Resp: 24306

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.9	82.9
272	12.8	0.0	32.8

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

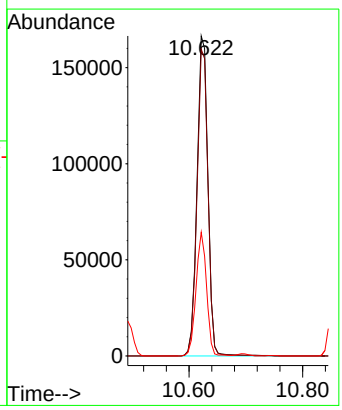


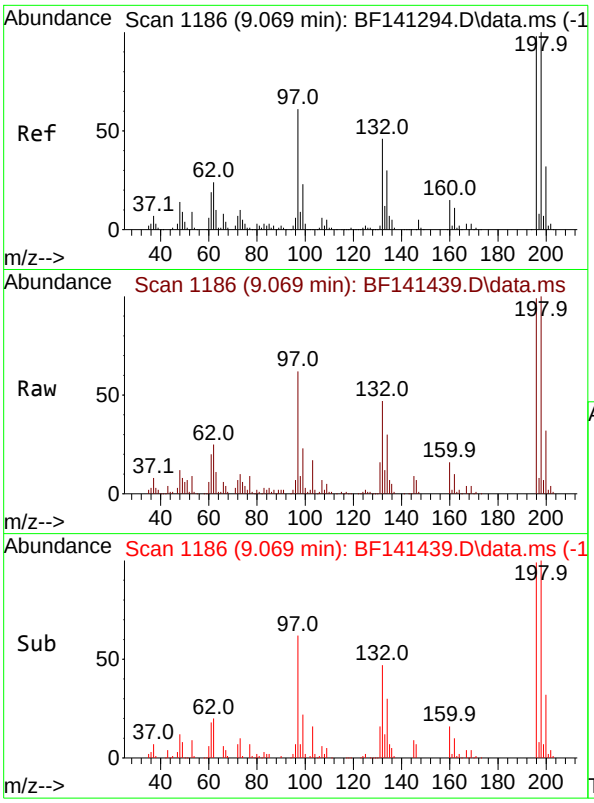


#42
2,4,6-Tribromophenol
Concen: 154.841 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:330 Resp: 222970

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.1	114.1
141	37.4	28.8	43.2

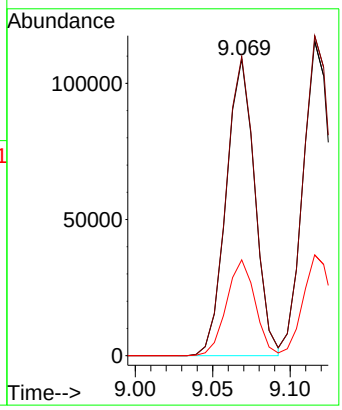




#43
2,4,6-Trichlorophenol
Concen: 47.690 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:196 Resp: 13948

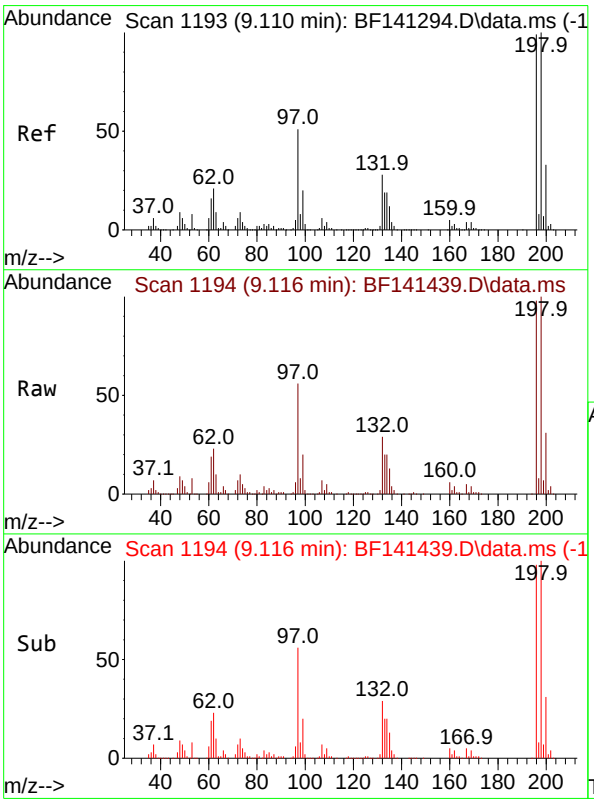
Ion	Ratio	Lower	Upper
196	100		
198	100.9	81.8	122.6
200	32.3	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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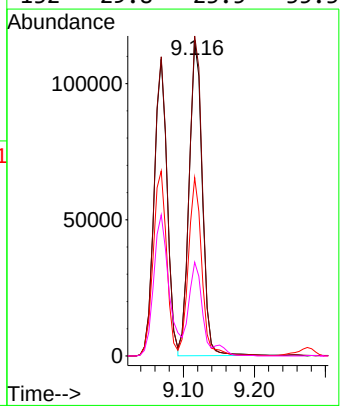
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

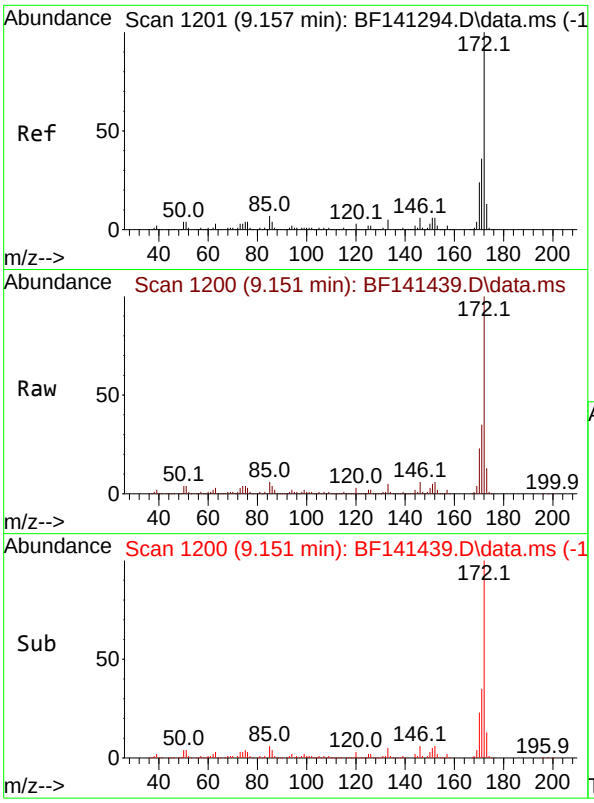


#44
2,4,5-Trichlorophenol
Concen: 46.613 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:196 Resp: 148386

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.5	120.7
97	56.7	42.8	64.2
132	29.8	23.5	35.3

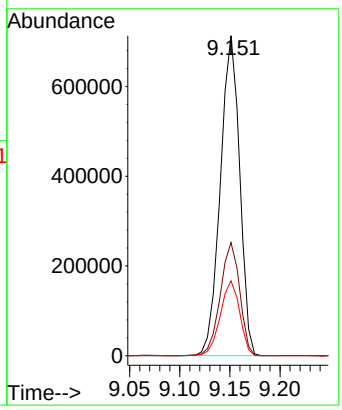




#45
2-Fluorobiphenyl
Concen: 93.540 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:172 Resp: 95457

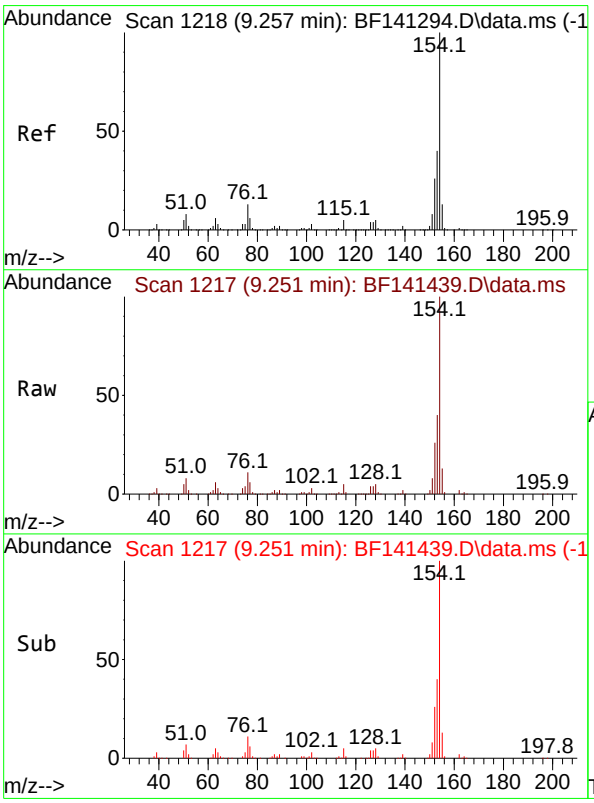
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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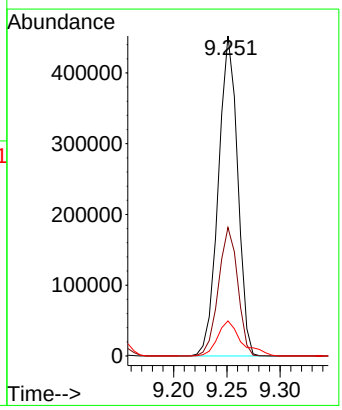
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

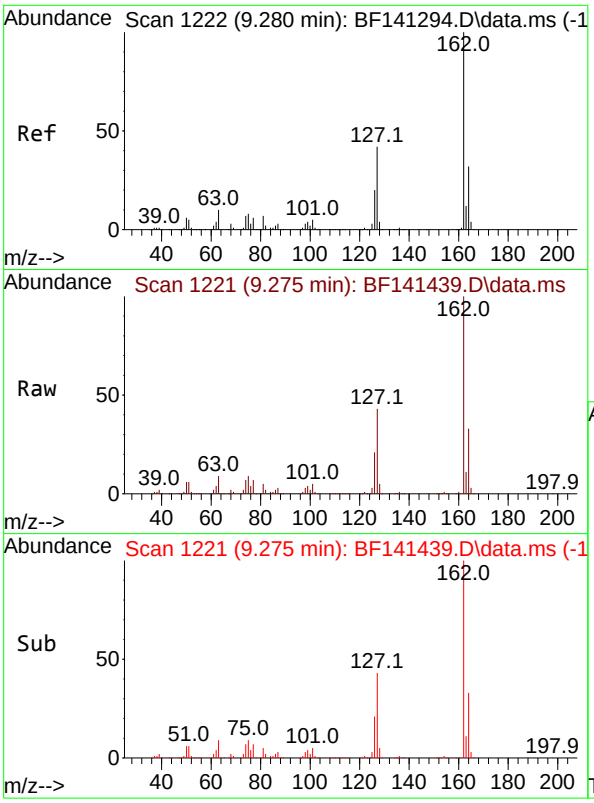


#46
1,1'-Biphenyl
Concen: 46.418 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:154 Resp: 568607

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.0	60.0
76	11.0	0.0	32.8

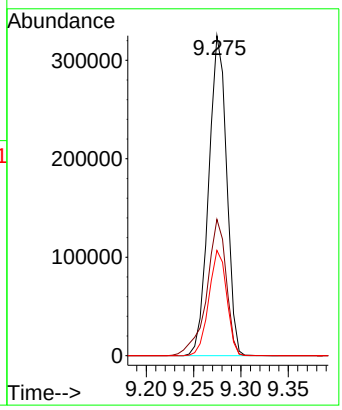




#47
2-Chloronaphthalene
Concen: 44.705 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:162 Resp: 42684

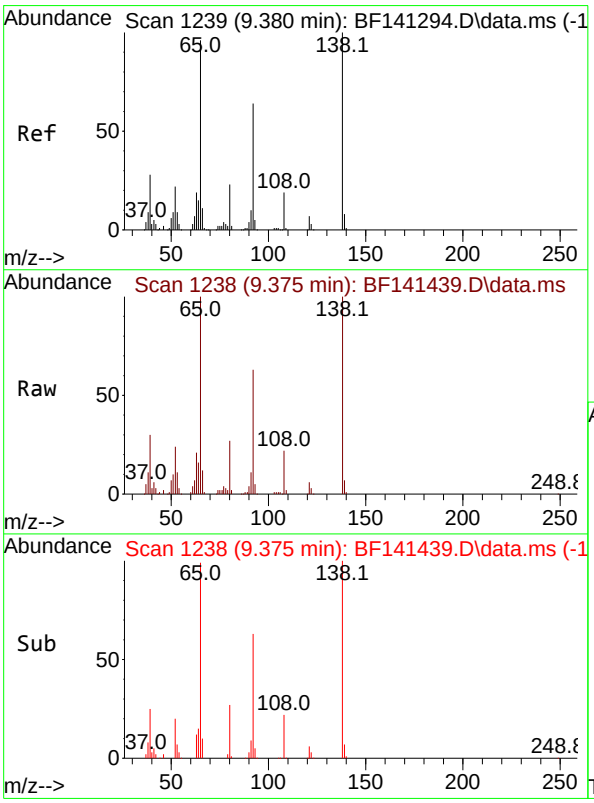
Ion	Ratio	Lower	Upper
162	100		
127	42.6	33.7	50.5
164	32.9	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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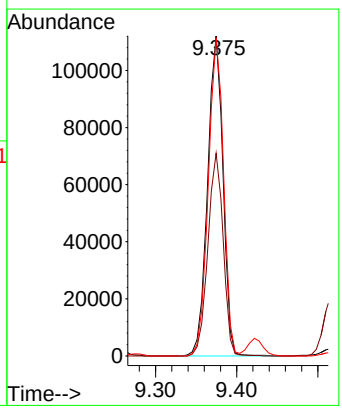
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

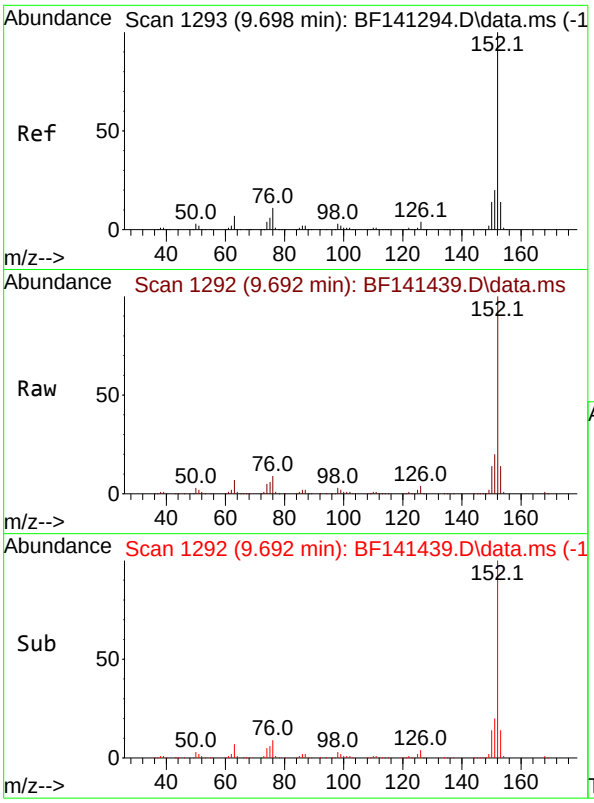


#48
2-Nitroaniline
Concen: 49.051 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 65 Resp: 147311

Ion	Ratio	Lower	Upper
65	100		
92	63.4	53.3	79.9
138	99.5	83.6	125.4

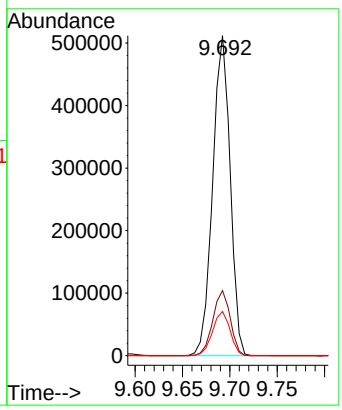




#49
Acenaphthylene
Concen: 49.100 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:152 Resp: 65625

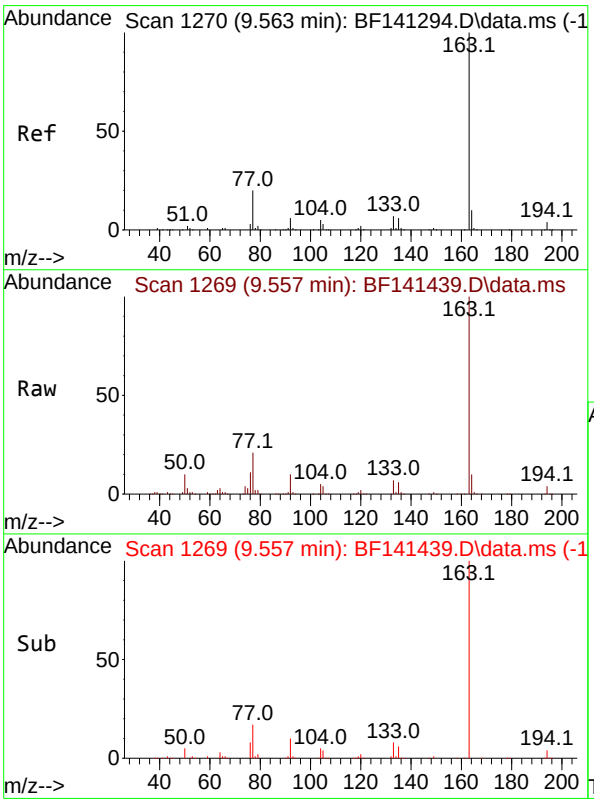
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.8	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

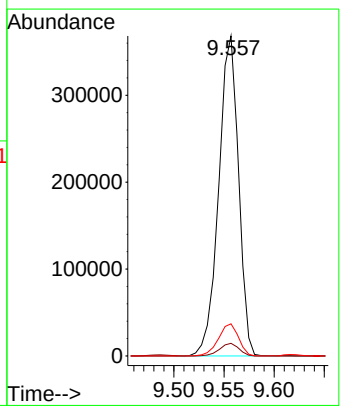
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

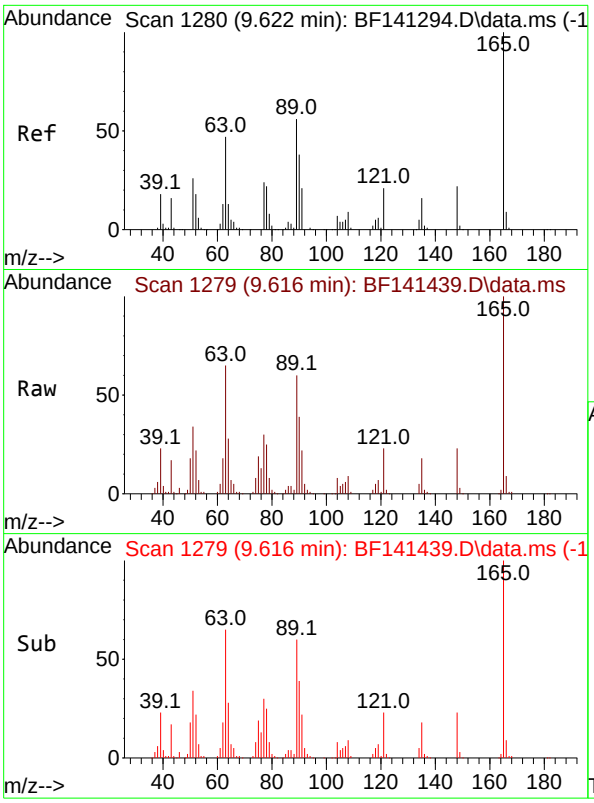


#50
Dimethylphthalate
Concen: 47.568 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:163 Resp: 504634

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.0	8.0	12.0

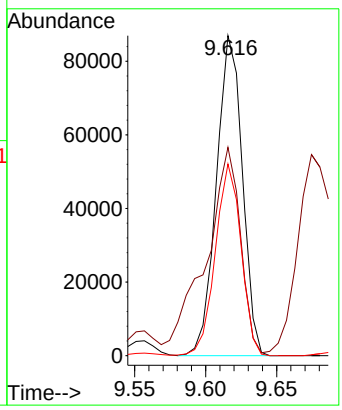




#51
2,6-Dinitrotoluene
Concen: 44.859 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:165 Resp: 11049

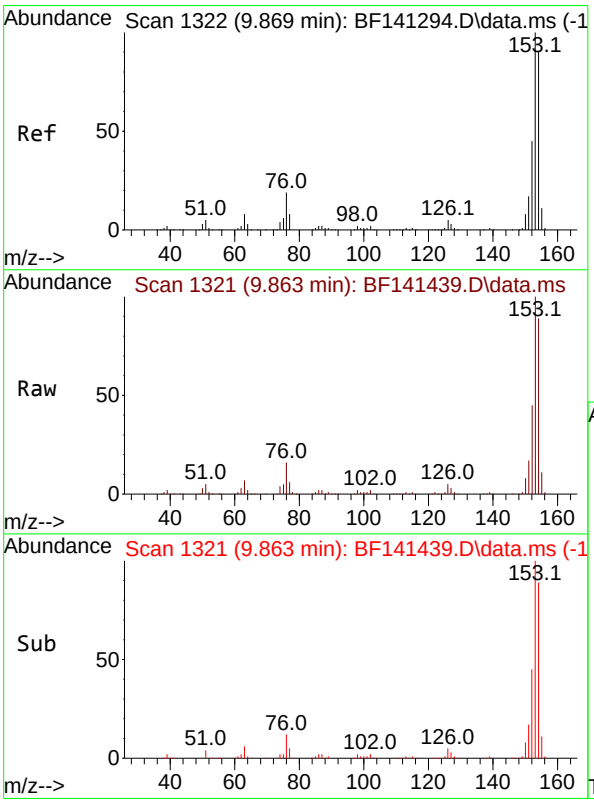
Ion	Ratio	Lower	Upper
165	100		
63	65.1	48.1	72.1
89	59.9	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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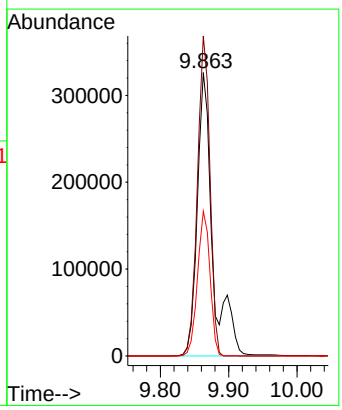
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

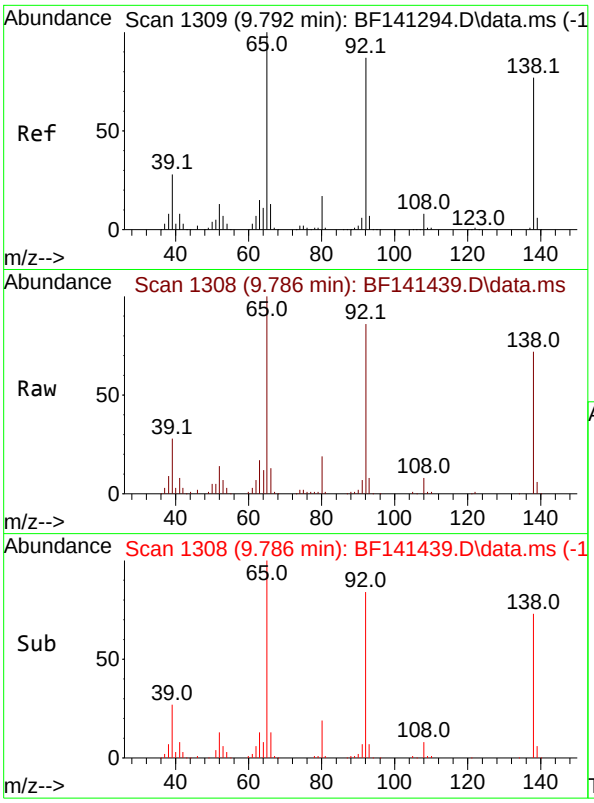


#52
Acenaphthene
Concen: 53.490 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:154 Resp: 510747

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.0	133.4
152	51.0	40.2	60.4





#53
3-Nitroaniline
Concen: 27.076 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

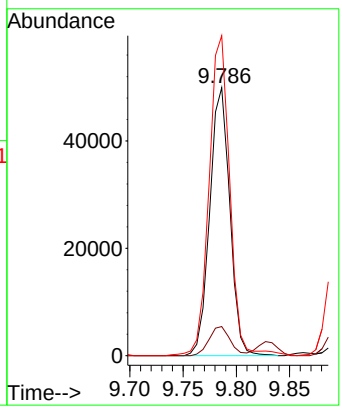
Tgt Ion:138 Resp: 6536

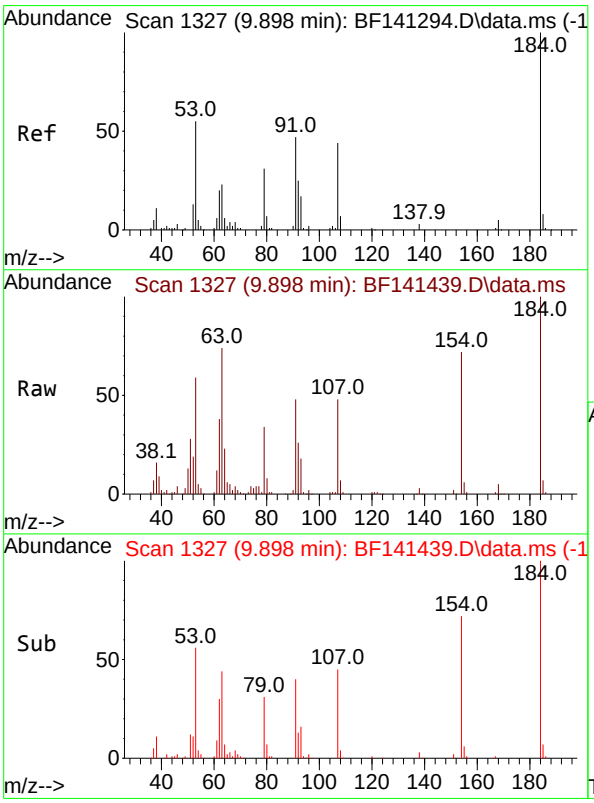
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	119.4	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
PB166294BS

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

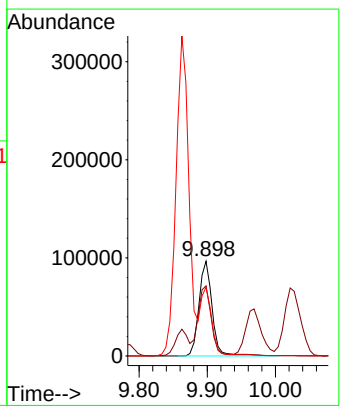


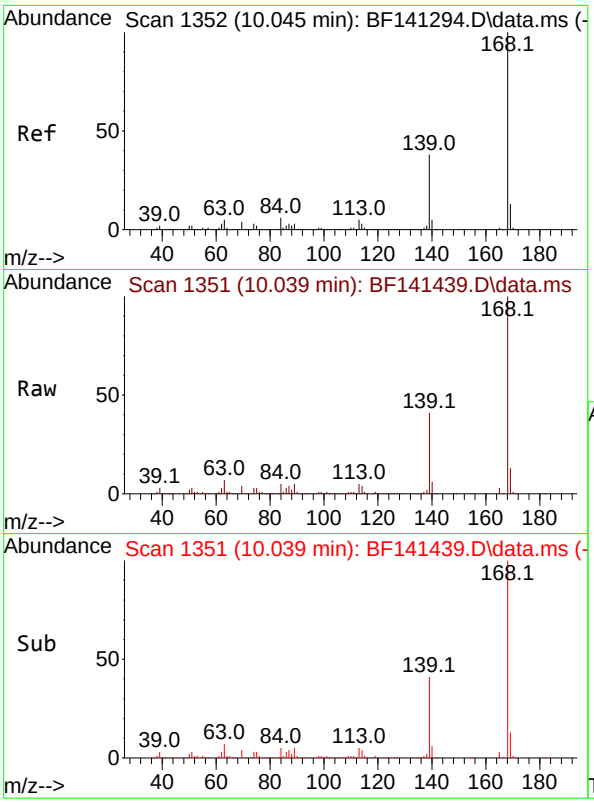


#54
2,4-Dinitrophenol
Concen: 114.095 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:184 Resp: 130643

Ion	Ratio	Lower	Upper
184	100		
63	74.1	54.1	81.1
154	72.5	50.7	76.1

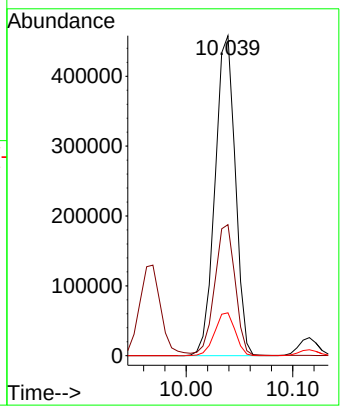




#55
Dibenzofuran
Concen: 47.164 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:168 Resp: 60280

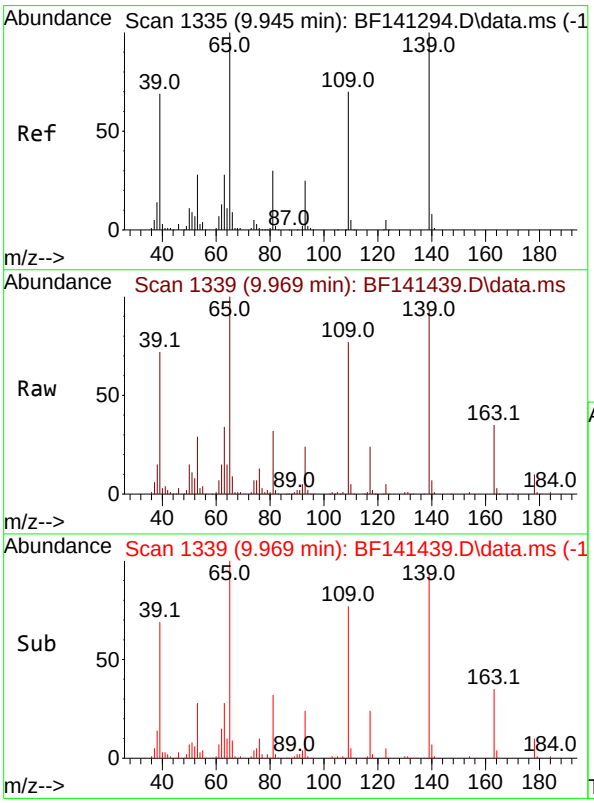
Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.6	46.0
169	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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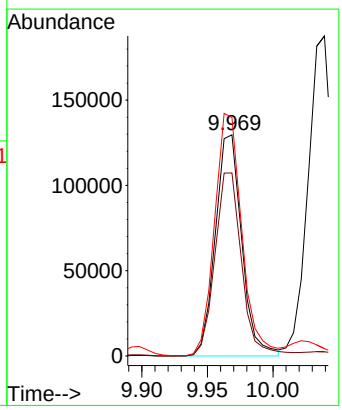
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

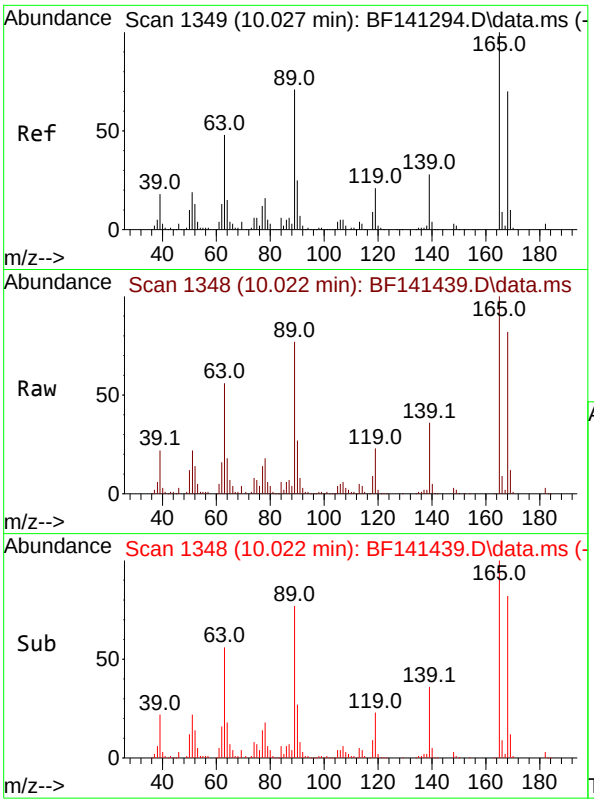


#56
4-Nitrophenol
Concen: 102.840 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 181575

Ion	Ratio	Lower	Upper
139	100		
109	82.8	50.2	90.2
65	107.9	80.6	120.6

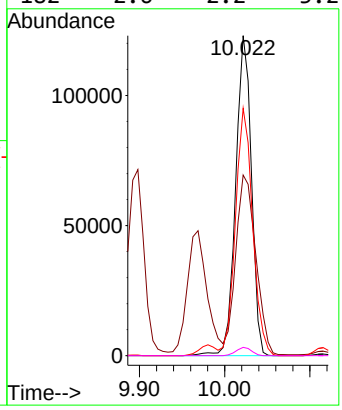




#57
2,4-Dinitrotoluene
Concen: 49.490 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:165 Resp: 15783

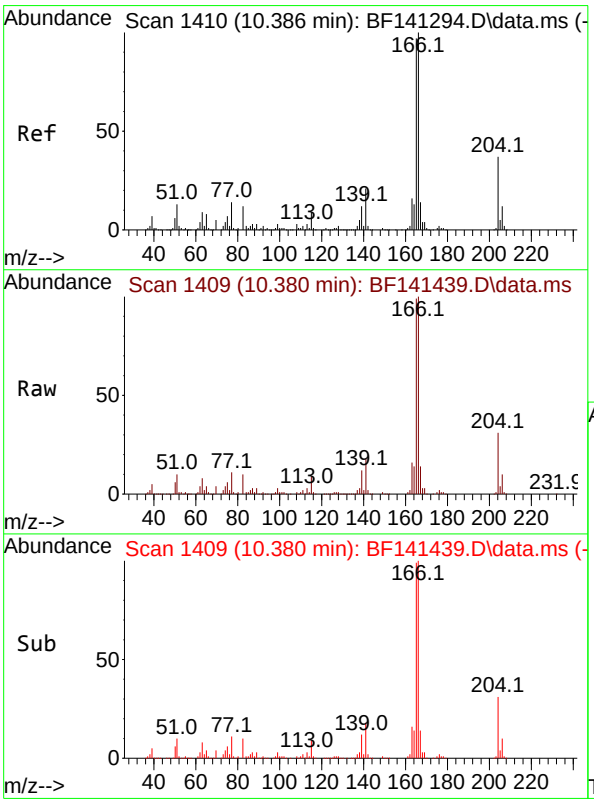
Ion	Ratio	Lower	Upper
165	100		
63	56.4	39.2	58.8
89	77.3	56.9	85.3
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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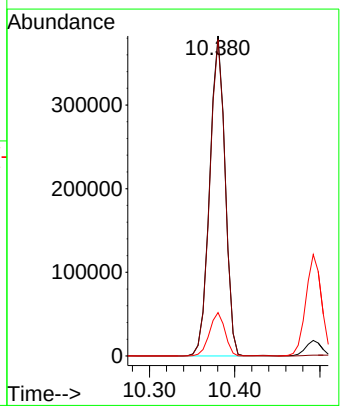
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

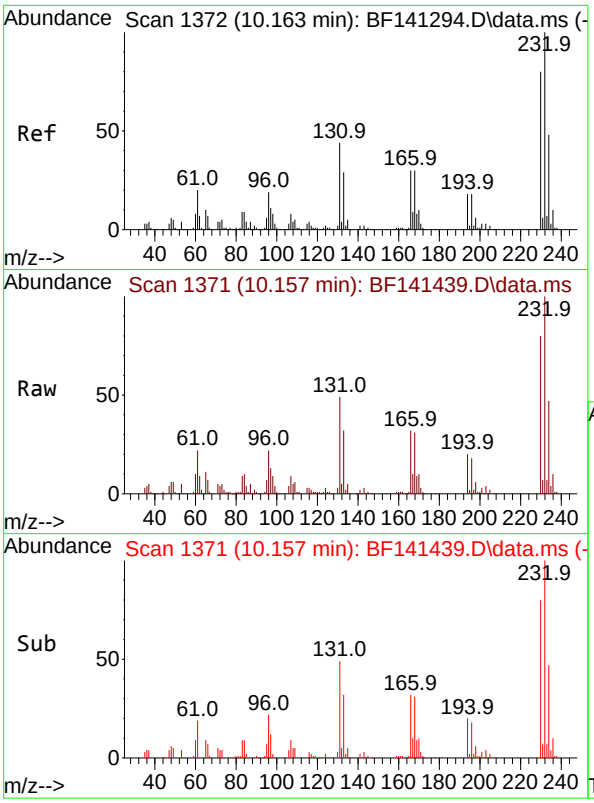


#58
Fluorene
Concen: 48.663 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:166 Resp: 482443

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.5	116.3
167	13.5	10.9	16.3

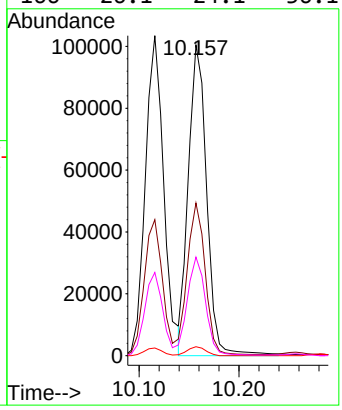




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.336 ng m
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:232 Resp: 12856

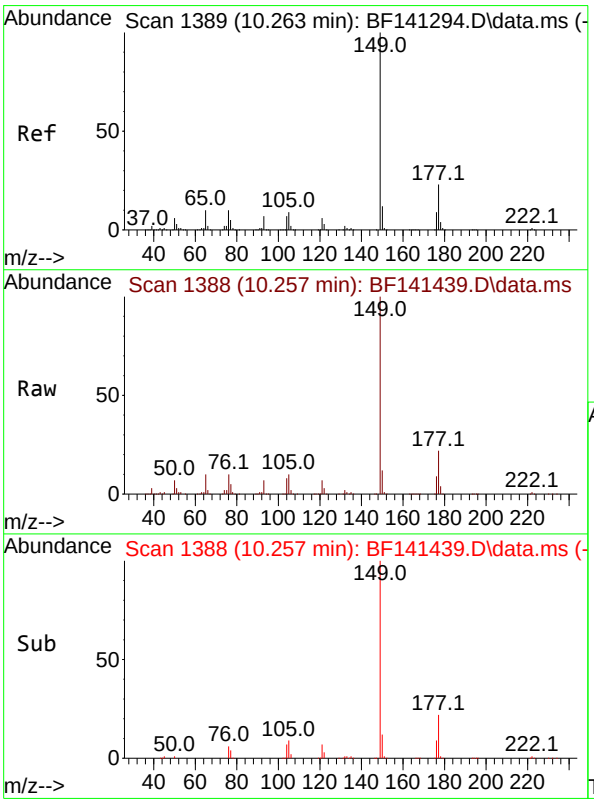
Ion	Ratio	Lower	Upper
232	100		
131	43.3	36.4	54.6
130	2.5	1.9	2.9
166	26.1	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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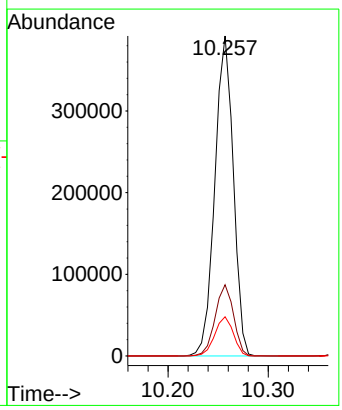
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

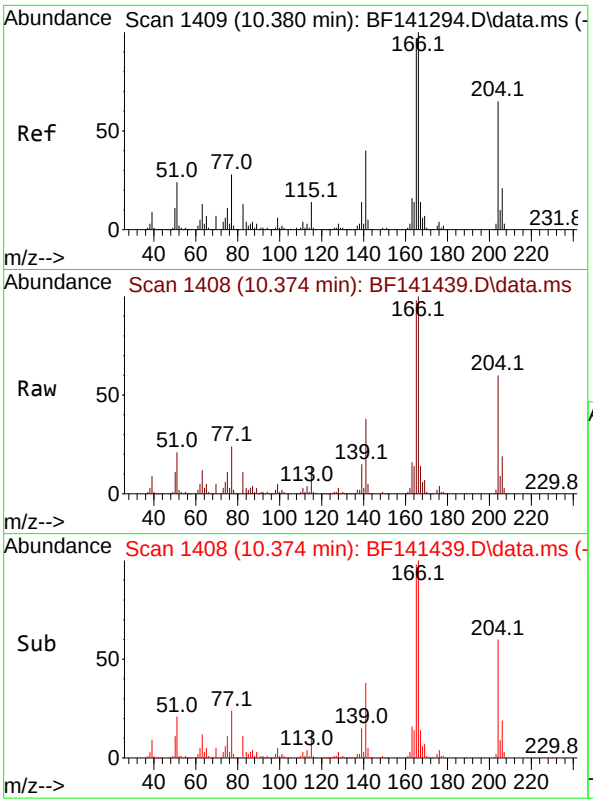


#60
Diethylphthalate
Concen: 48.702 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 500958

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.5	27.7
150	12.3	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 48.279 ng
RT: 10.374 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

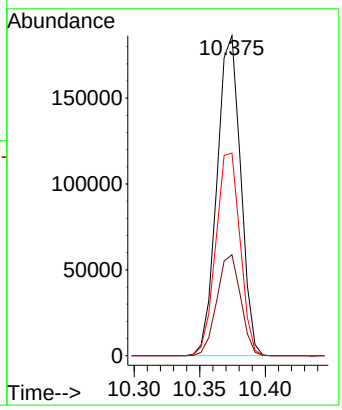
Instrument :
BNA_F
ClientSampleId :
PB166294BS

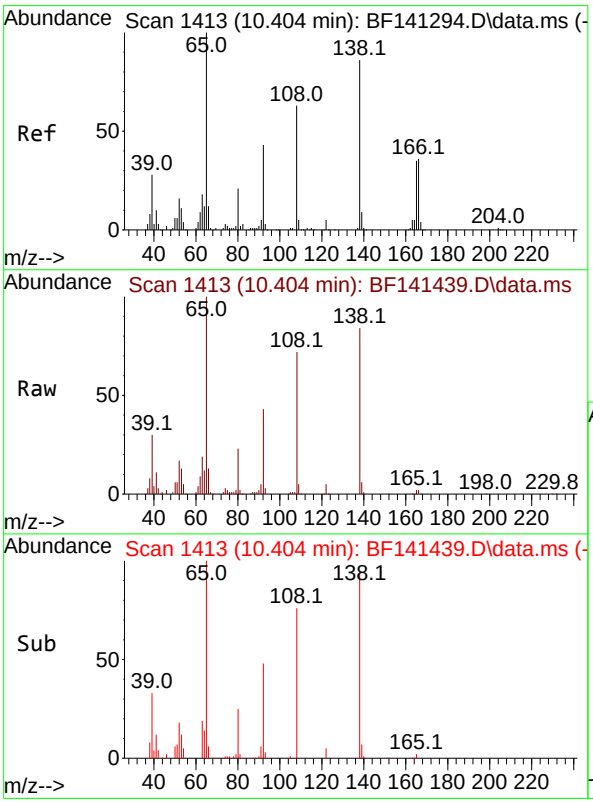
Tgt Ion:204 Resp: 23380

Ion	Ratio	Lower	Upper
204	100		
206	31.5	25.9	38.9
141	63.3	49.5	74.3

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Supervised By :mohammad ahmed 02/06/2025

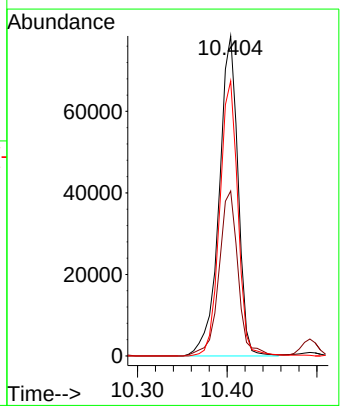


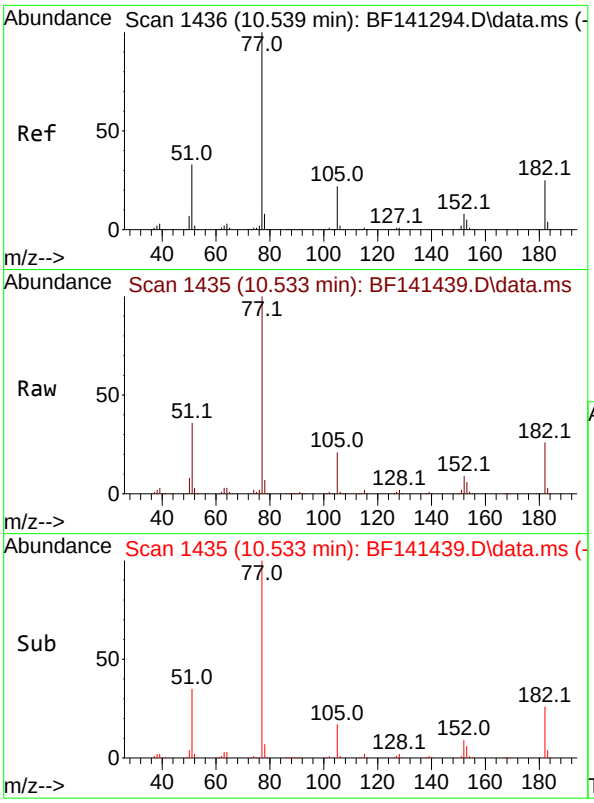


#62
4-Nitroaniline
Concen: 48.402 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:138 Resp: 114882

Ion	Ratio	Lower	Upper
138	100		
92	51.6	30.1	70.1
108	85.9	53.1	93.1

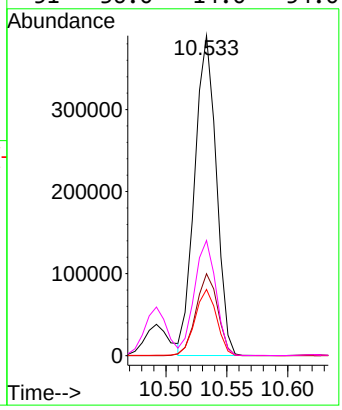




#63
Azobenzene
Concen: 46.750 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 77 Resp: 48135

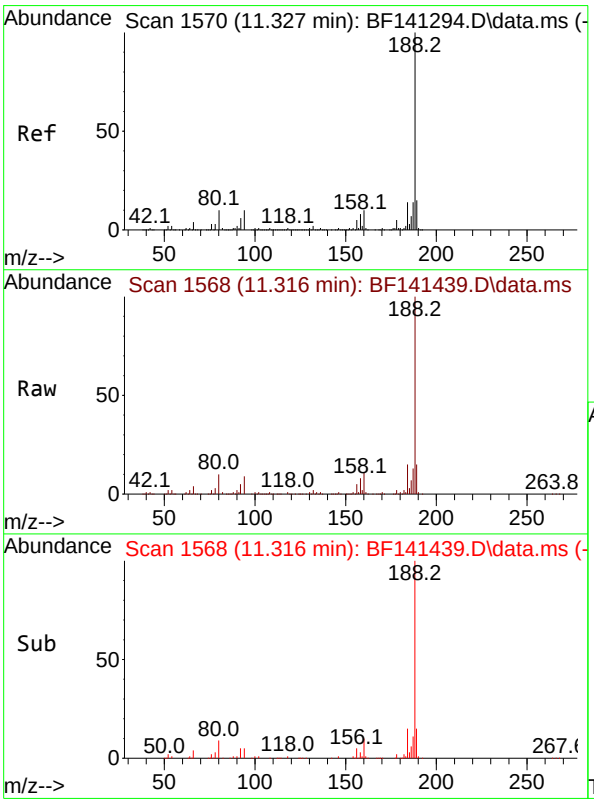
Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.1	45.1
105	20.7	1.8	41.8
51	36.0	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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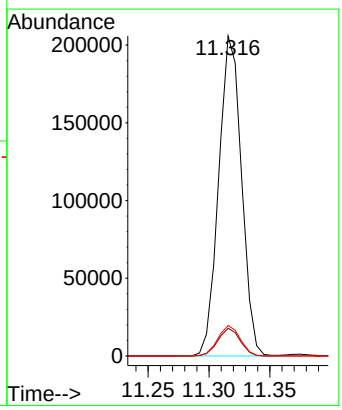
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

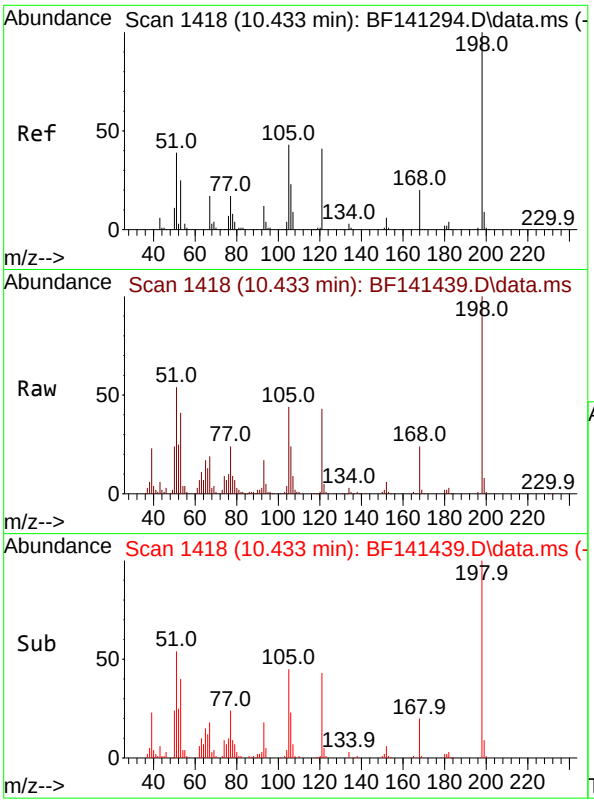


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:188 Resp: 268815

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.8	11.6
80	9.5	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 57.286 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

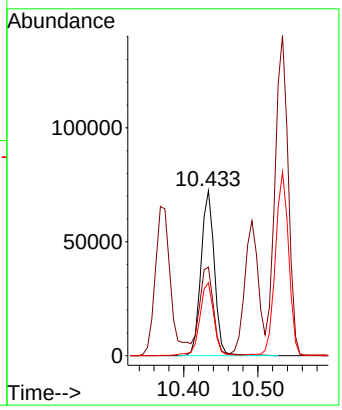
Tgt Ion:198 Resp: 9108

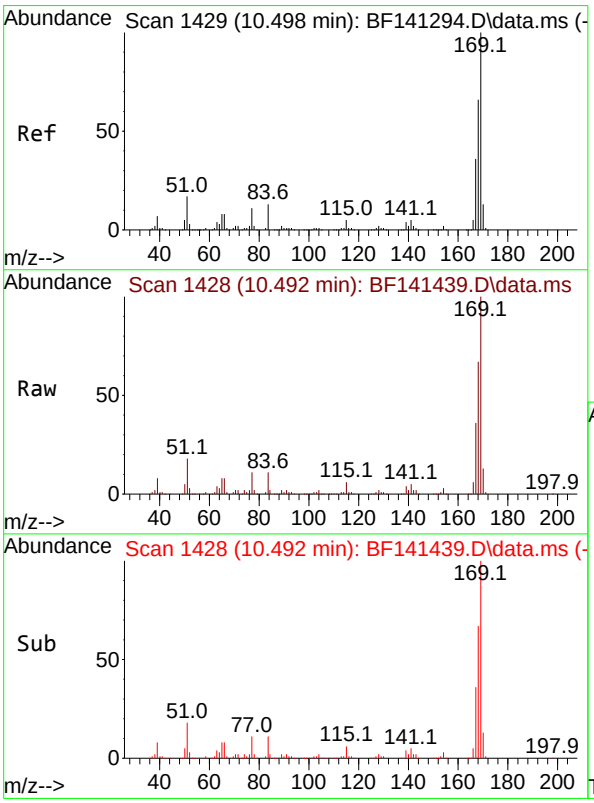
Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.4	73.4
105	44.3	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
PB166294BS

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

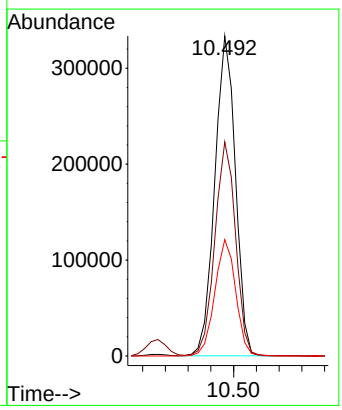


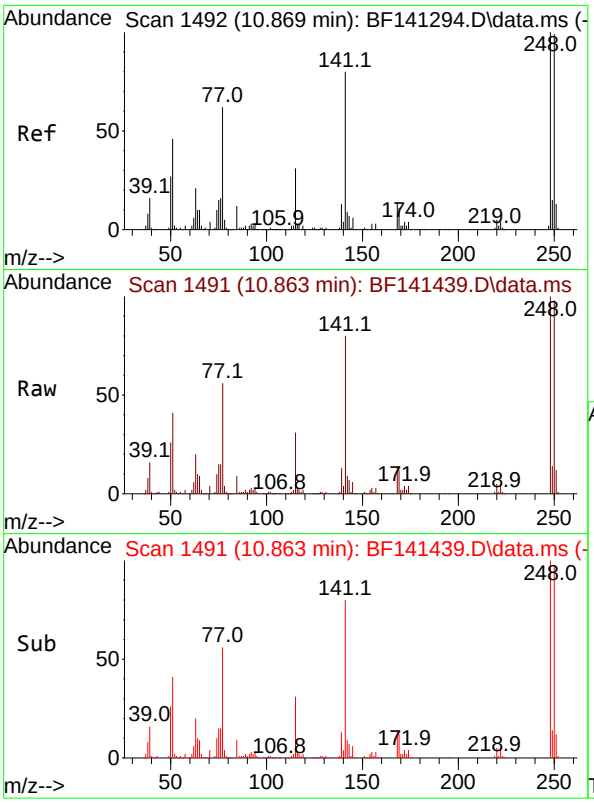


#66
n-Nitrosodiphenylamine
Concen: 48.468 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:169 Resp: 421404

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.4	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 48.415 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

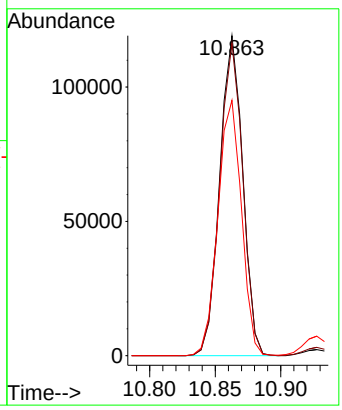
Instrument :
BNA_F
ClientSampleId :
PB166294BS

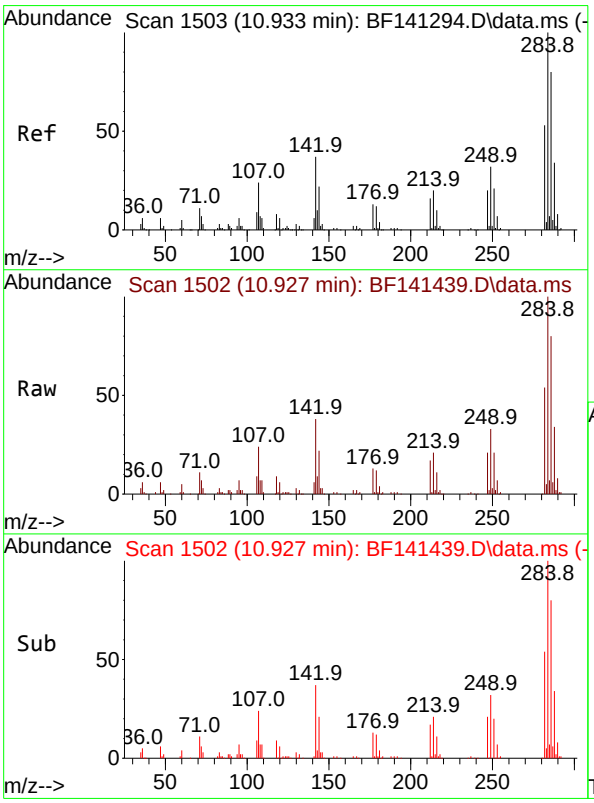
Tgt Ion:248 Resp: 14570

Ion	Ratio	Lower	Upper
248	100		
250	97.6	79.0	118.4
141	79.8	63.7	95.5

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Supervised By :mohammad ahmed 02/06/2025

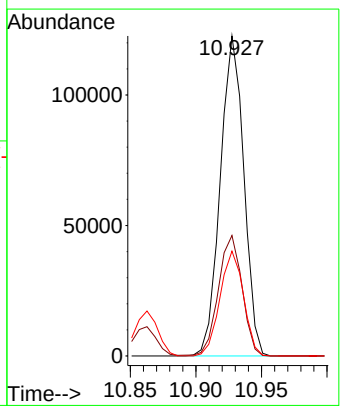


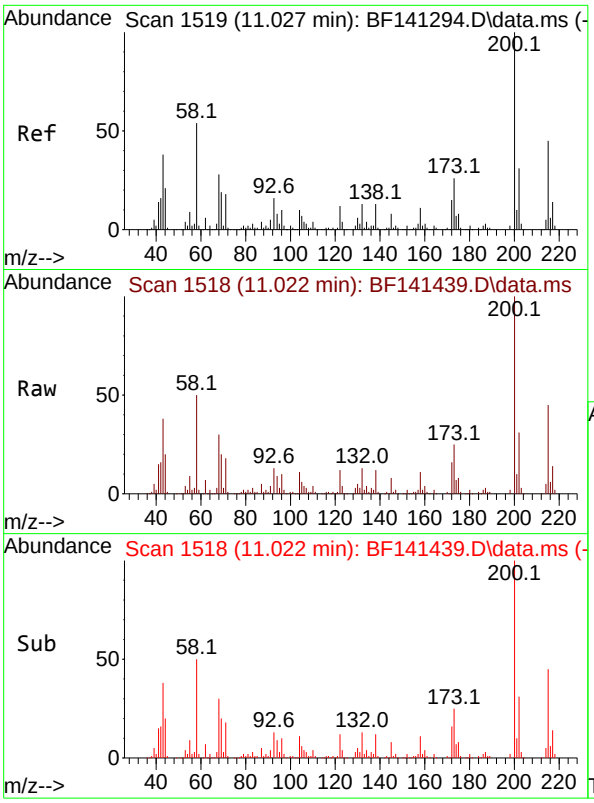


#68
Hexachlorobenzene
Concen: 47.936 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:284 Resp: 153026

Ion	Ratio	Lower	Upper
284	100		
142	37.7	29.5	44.3
249	32.7	25.4	38.2





#69
Atrazine
Concen: 52.417 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

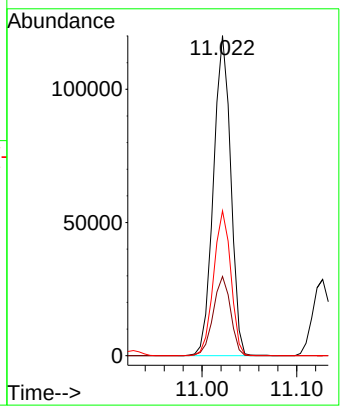
Instrument :
BNA_F
ClientSampleId :
PB166294BS

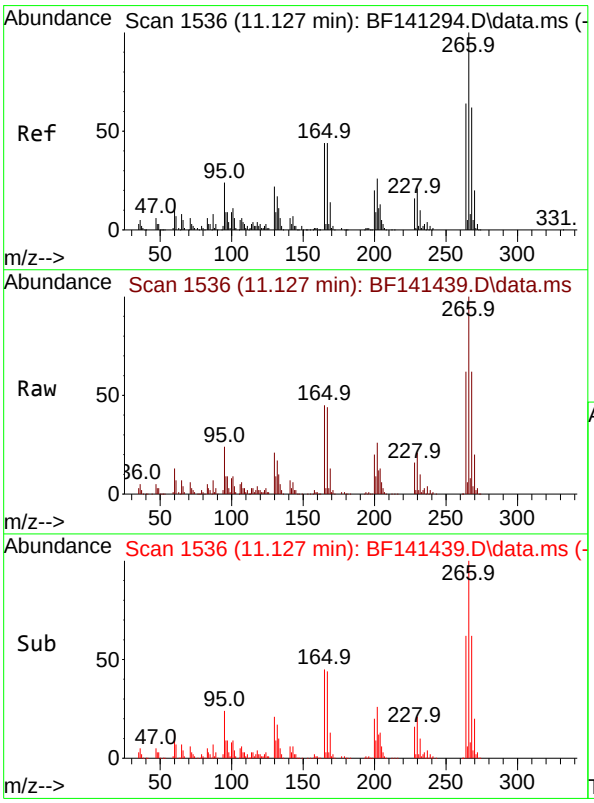
Tgt Ion:200 Resp: 15237

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.9	45.9
215	45.2	25.2	65.2

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

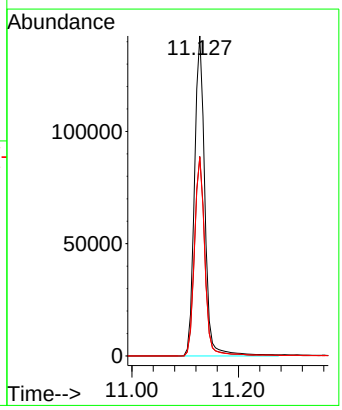


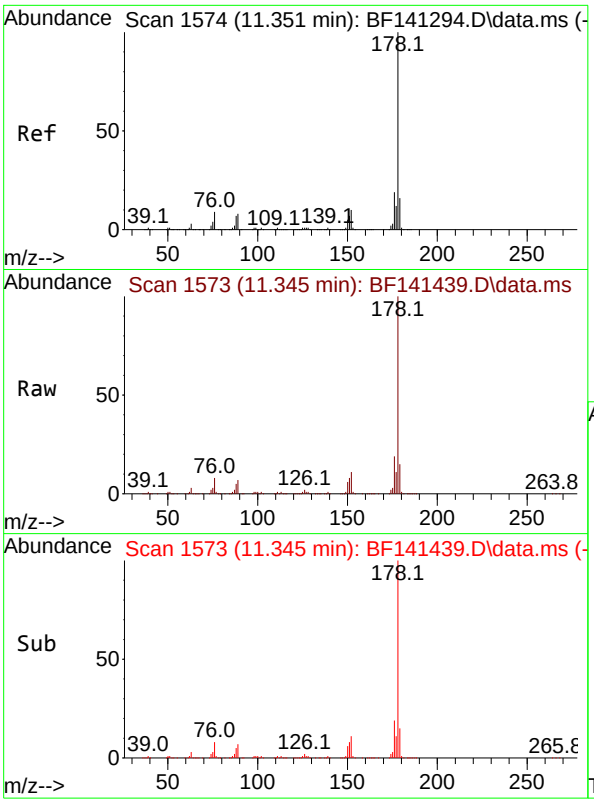


#70
Pentachlorophenol
Concen: 103.538 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:266 Resp: 193550

Ion	Ratio	Lower	Upper
266	100		
268	62.4	49.9	74.9
264	62.1	51.0	76.4

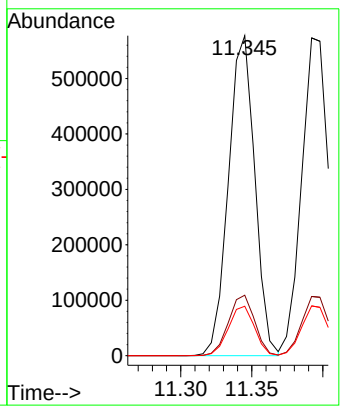




#71
Phenanthrene
Concen: 51.479 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:178 Resp: 74387

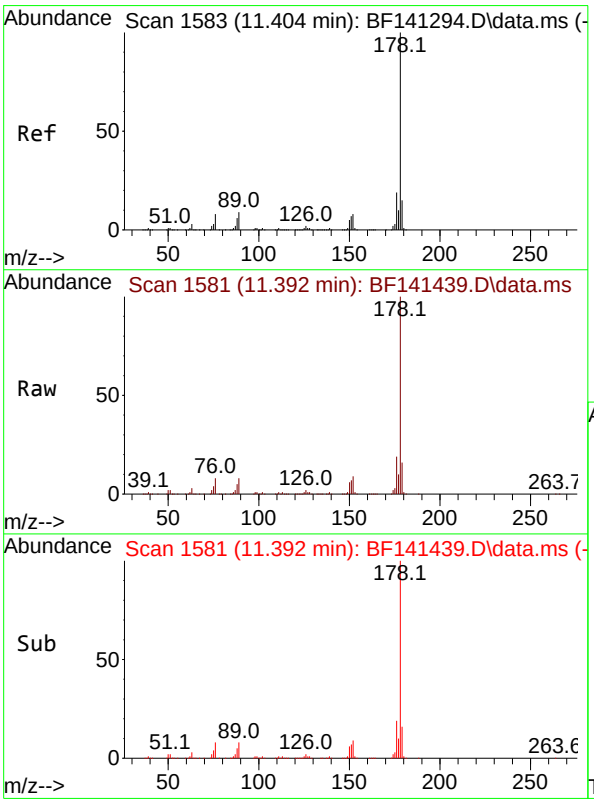
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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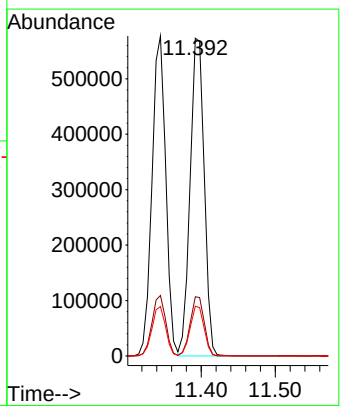
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

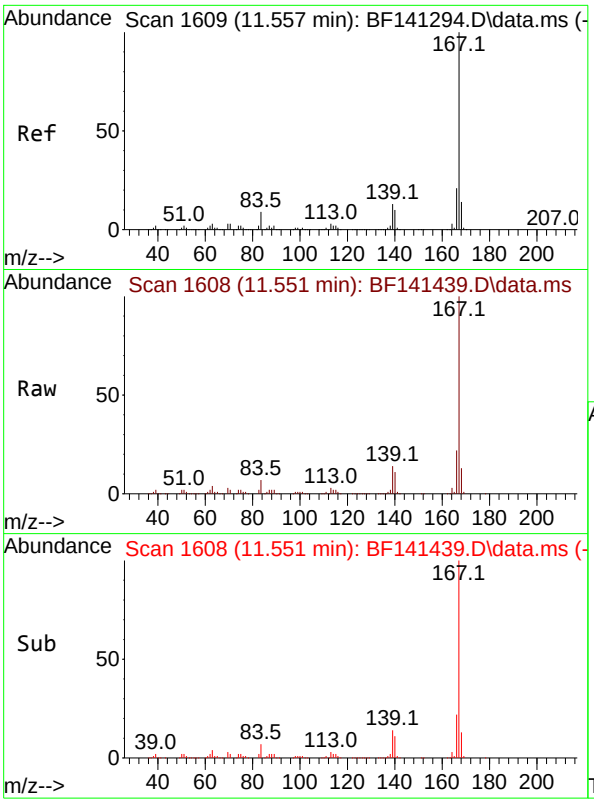


#72
Anthracene
Concen: 53.540 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:178 Resp: 758044

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.7	12.3	18.5

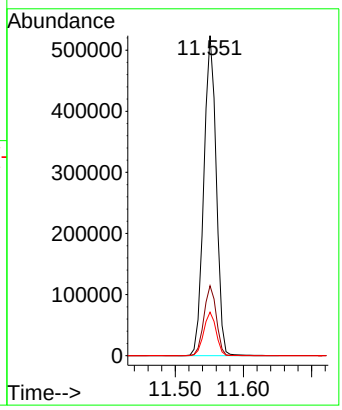




#73
Carbazole
Concen: 52.983 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:167 Resp: 66517

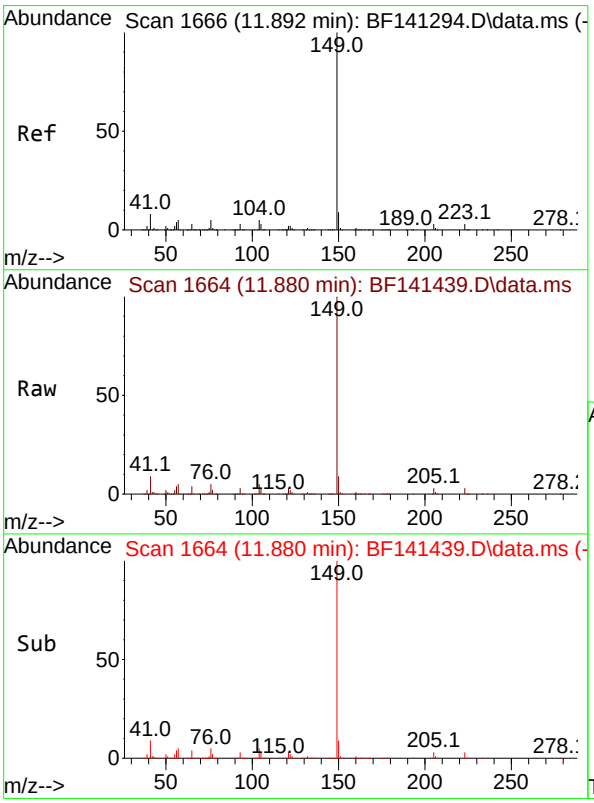
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	13.6	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

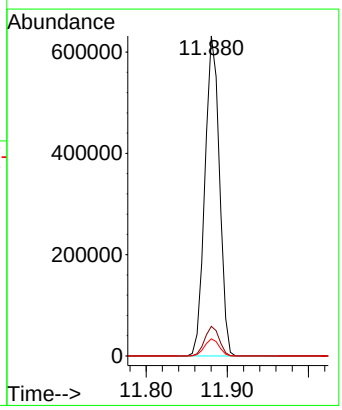
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

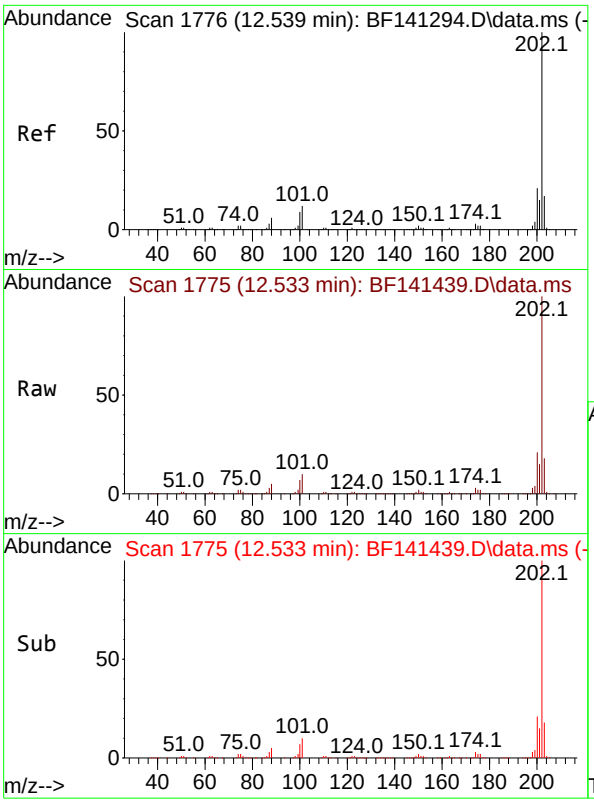


#74
Di-n-butylphthalate
Concen: 51.494 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 783458

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	3.9	5.9

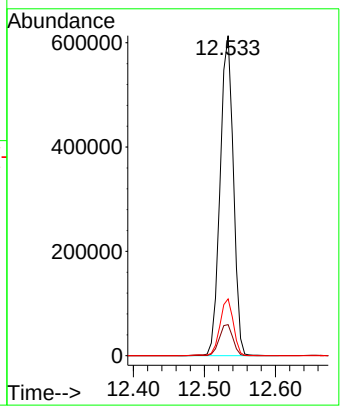




#75
Fluoranthene
Concen: 55.552 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:202 Resp: 79260

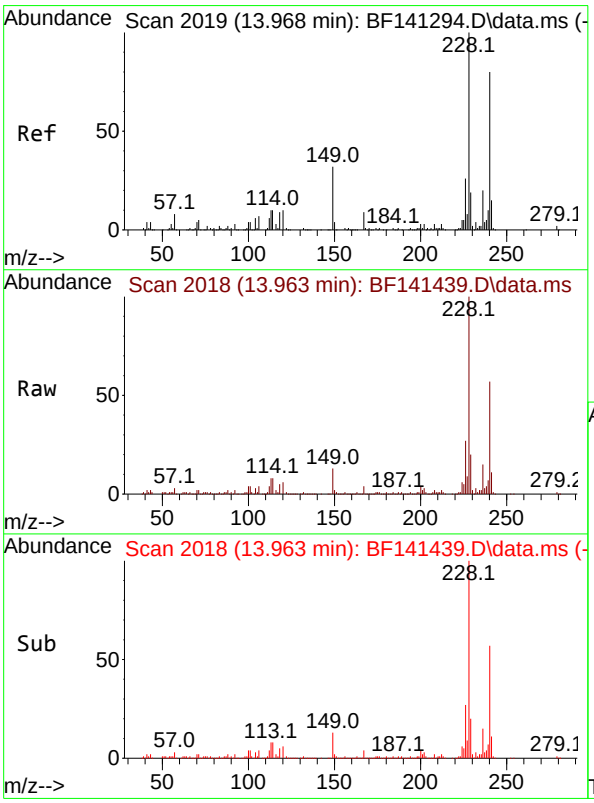
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.7
203	17.8	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

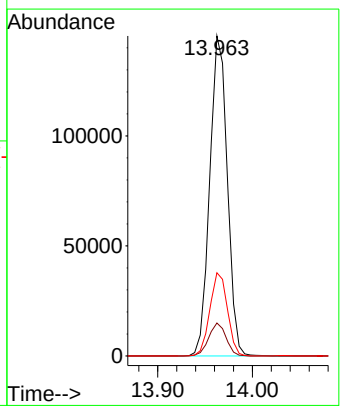
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

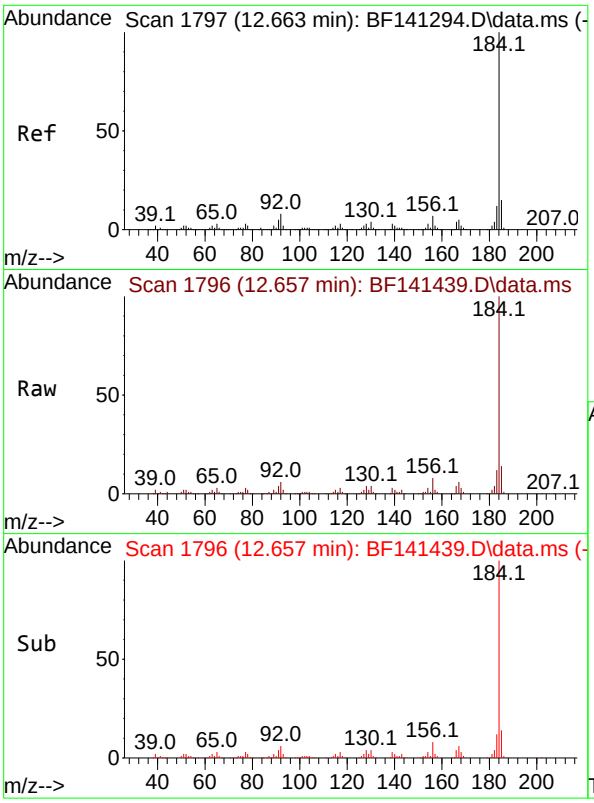


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:240 Resp: 187164

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.0	15.0
236	26.0	19.7	29.5

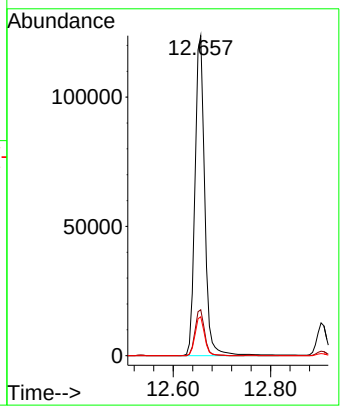




#77
Benzidine
Concen: 28.873 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:184 Resp: 17324

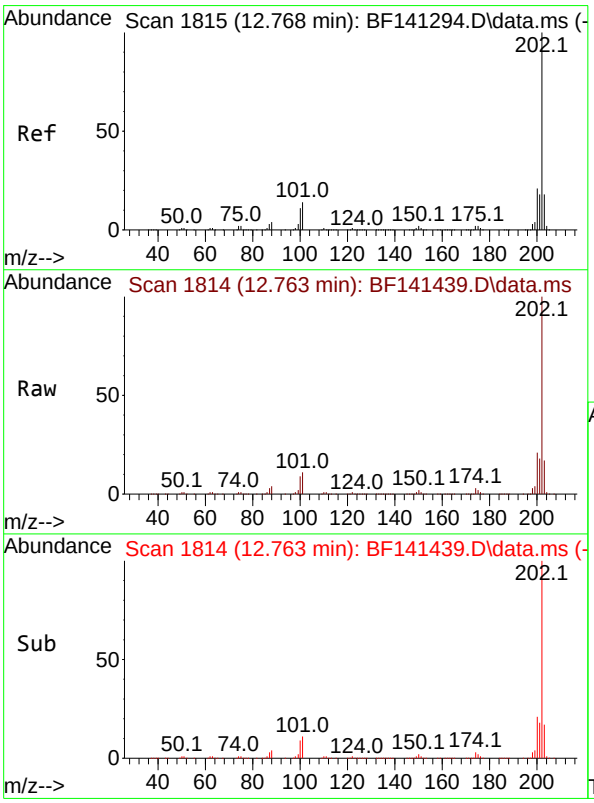
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	12.1	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

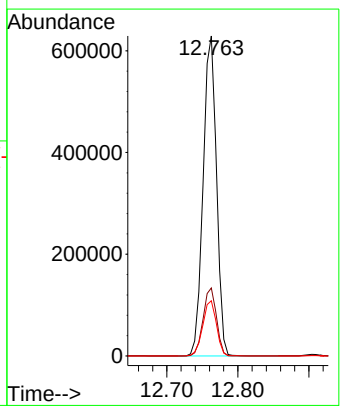
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

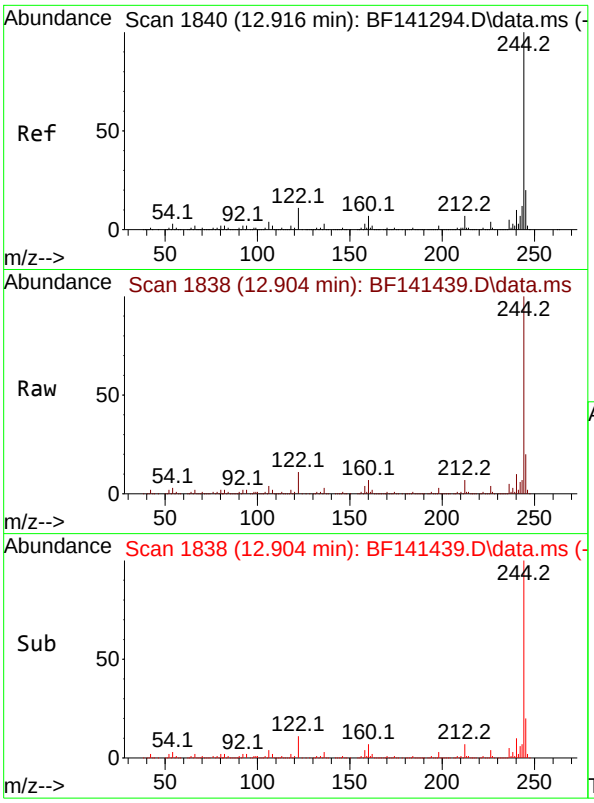


#78
Pyrene
Concen: 45.916 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:202 Resp: 824927

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.2	14.3	21.5

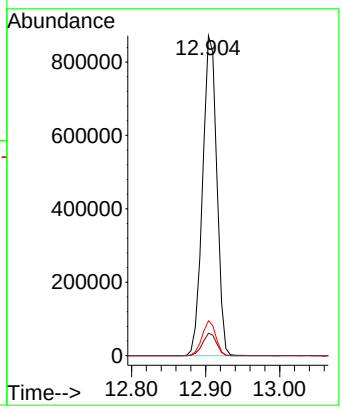




#79
Terphenyl-d14
Concen: 95.750 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:244 Resp: 116204

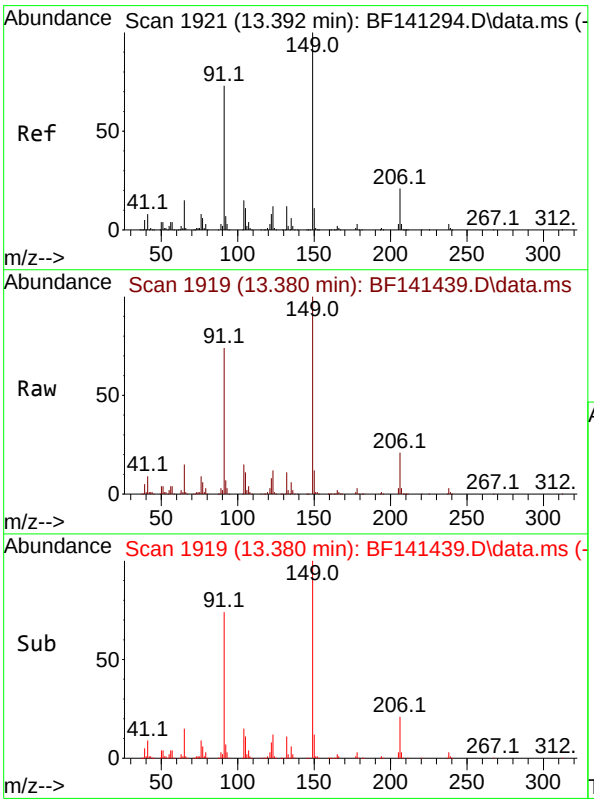
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.9	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

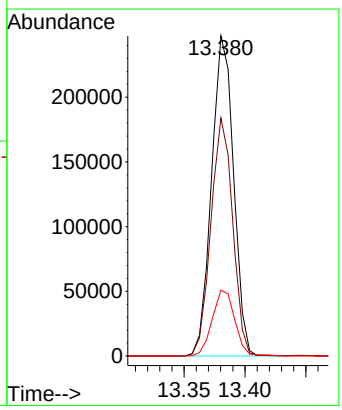
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

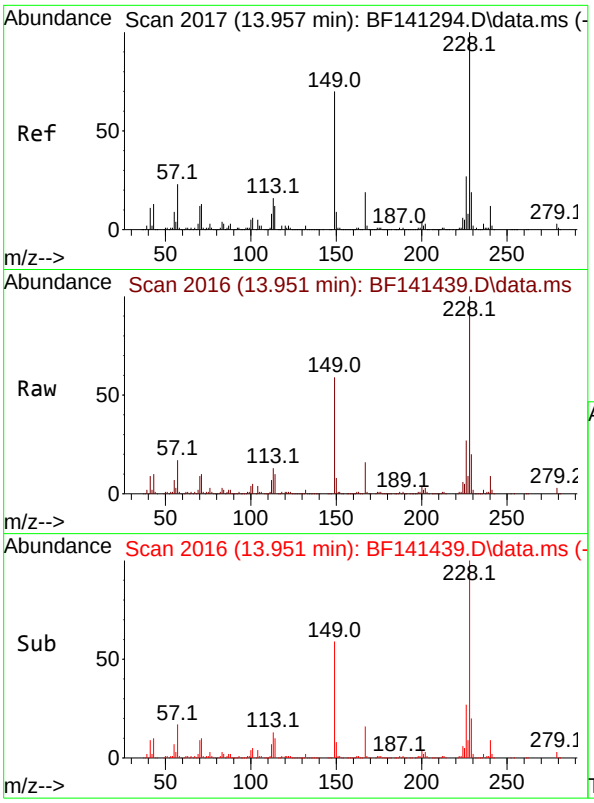


#80
Butylbenzylphthalate
Concen: 49.562 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 311075

Ion	Ratio	Lower	Upper
149	100		
91	74.3	58.6	87.8
206	20.6	16.7	25.1

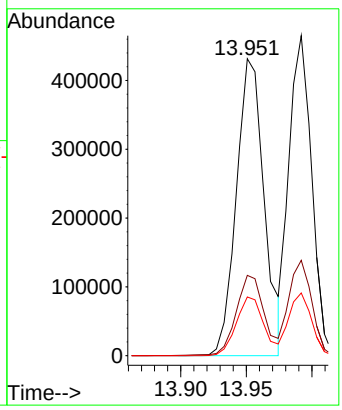




#81
Benzo(a)anthracene
Concen: 49.397 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:228 Resp: 63798

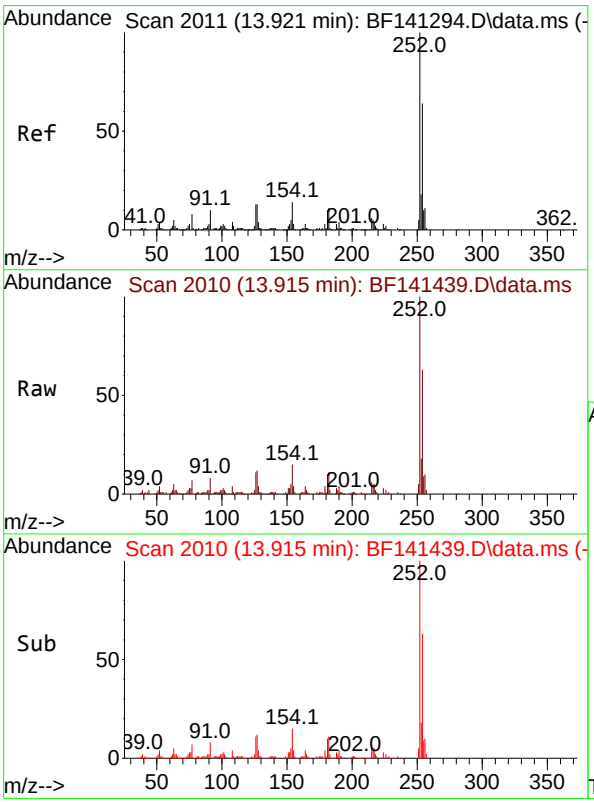
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.8	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

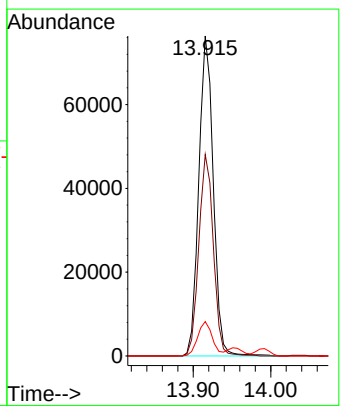
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

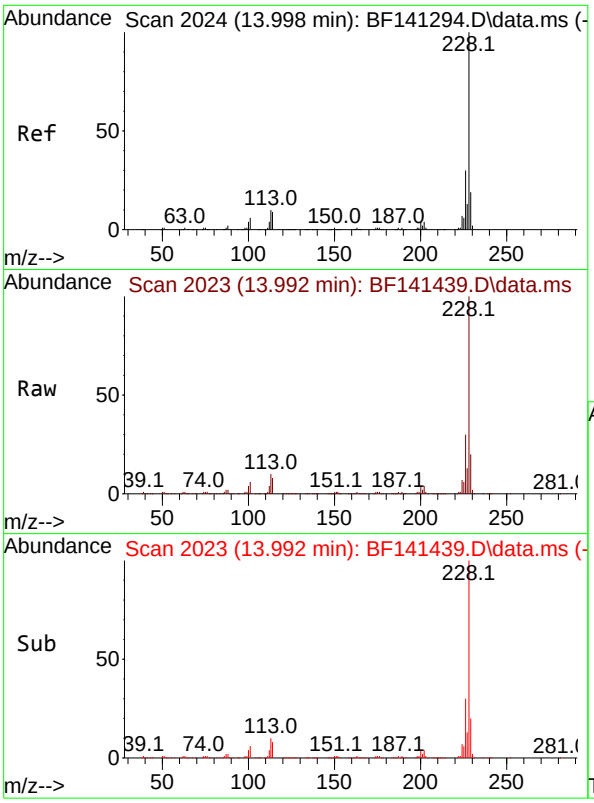


#82
3,3'-Dichlorobenzidine
Concen: 24.095 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:252 Resp: 98974

Ion	Ratio	Lower	Upper
252	100		
254	62.9	51.3	76.9
126	10.8	10.0	15.0





#83
Chrysene
Concen: 47.496 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

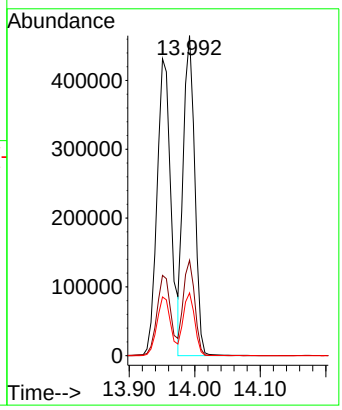
Instrument :
BNA_F
ClientSampleId :
PB166294BS

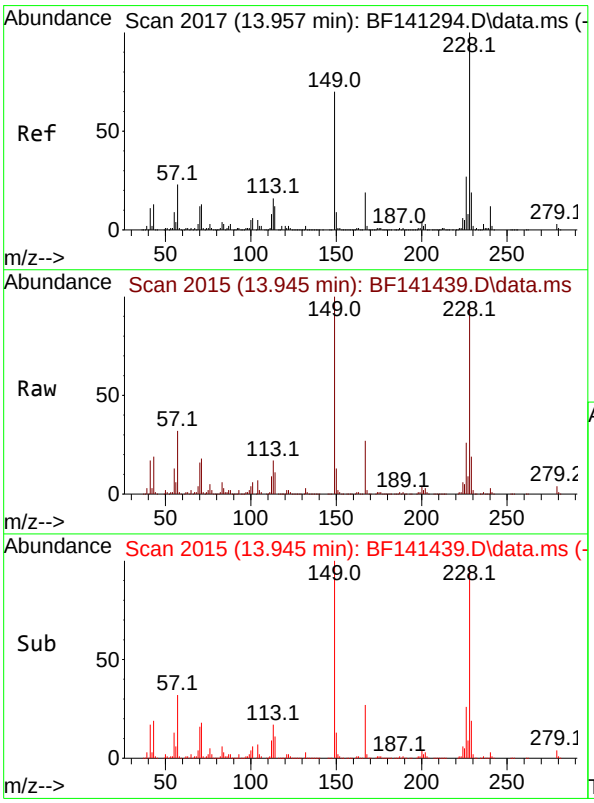
Tgt Ion:228 Resp: 56218

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.6	15.6	23.4

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

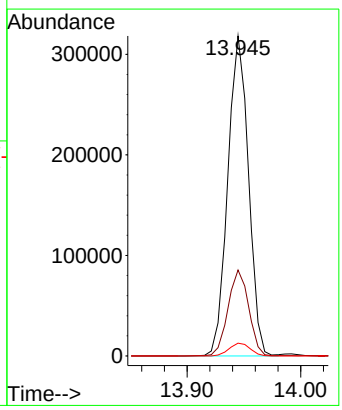


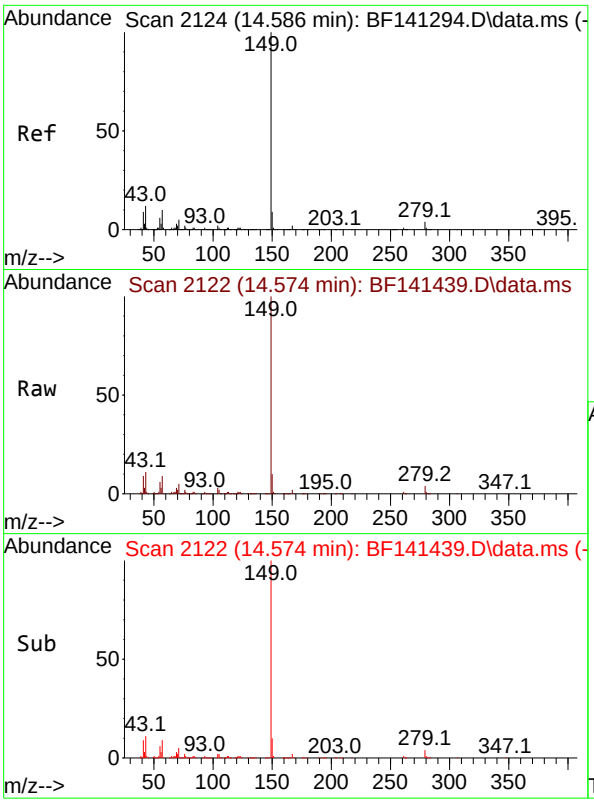


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.636 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 403170

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 48.720 ng
RT: 14.574 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

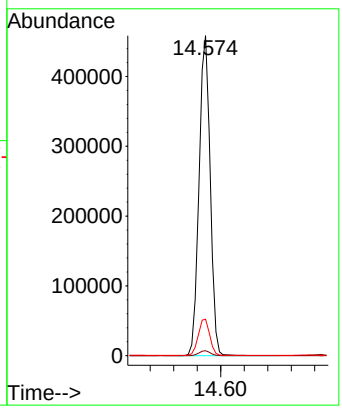
Tgt Ion:149 Resp: 60250

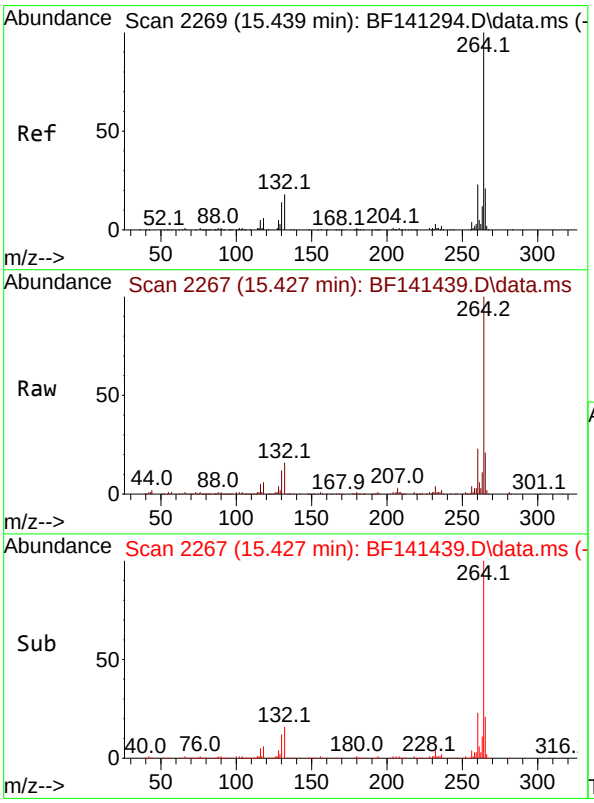
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

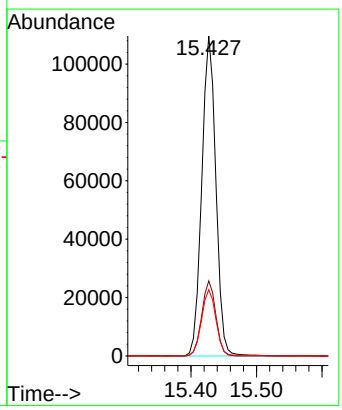


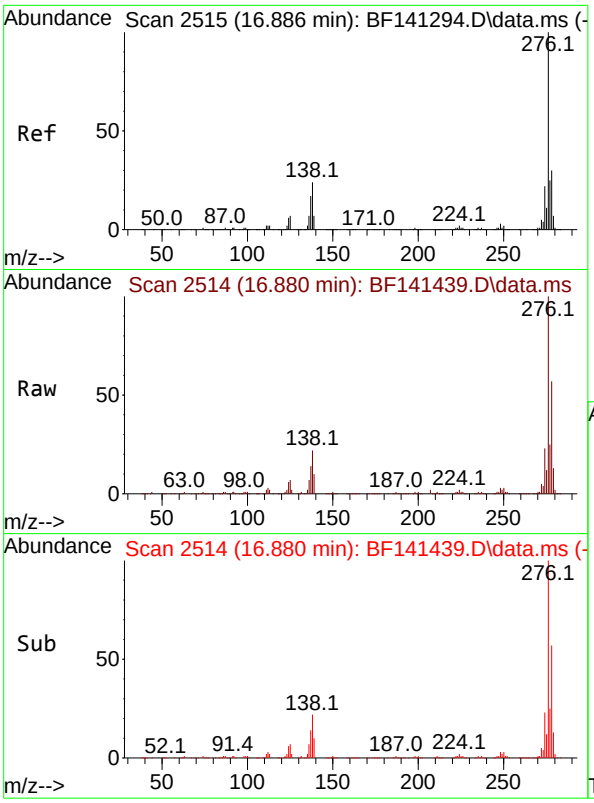


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:264 Resp: 163935

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	20.7	16.7	25.1

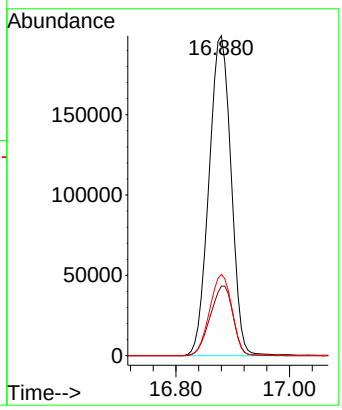




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.861 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:276 Resp: 53814

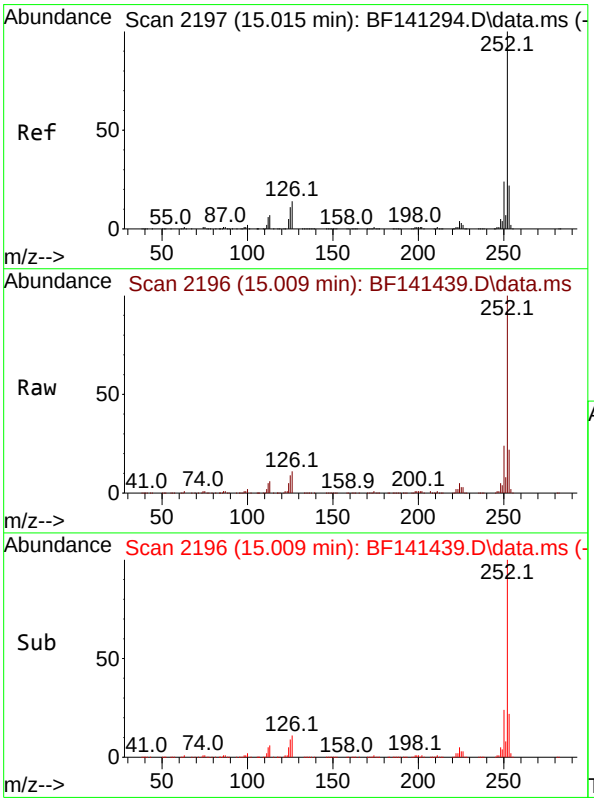
Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.7	32.5
277	25.6	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

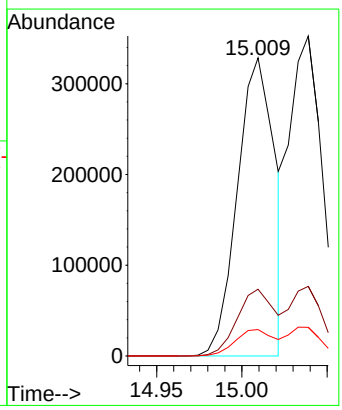
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

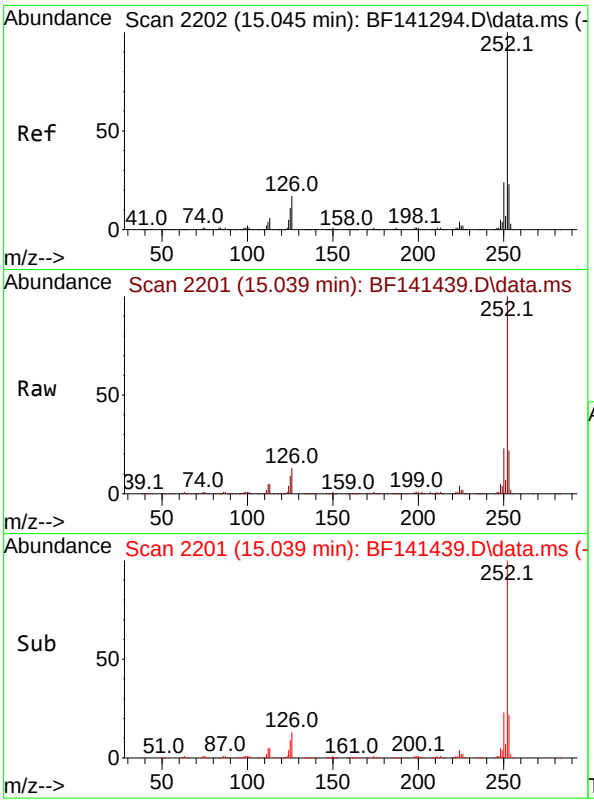


#88
Benzo(b)fluoranthene
Concen: 48.302 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:252 Resp: 498092

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	8.9	8.6	12.8

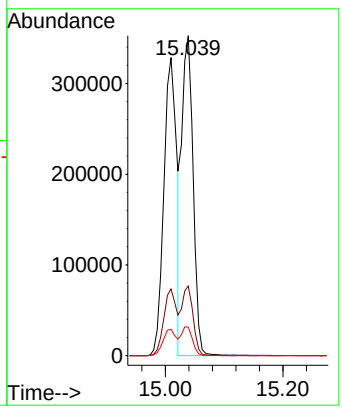




#89
Benzo(k)fluoranthene
Concen: 51.723 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:252 Resp: 47249

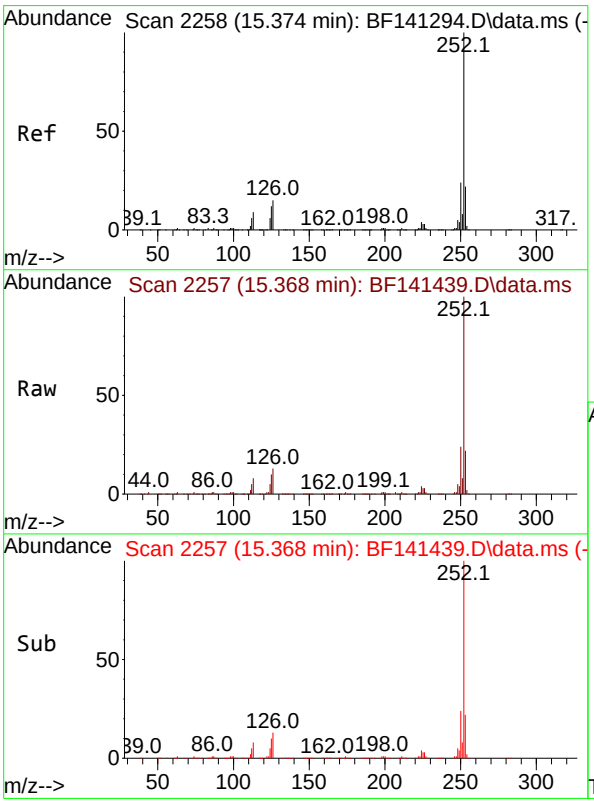
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	8.9	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

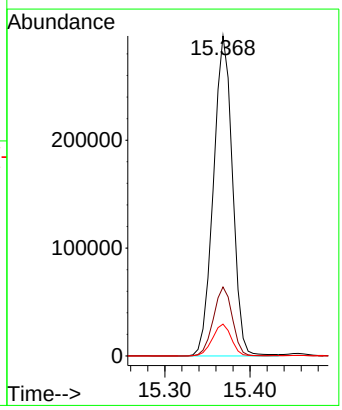
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

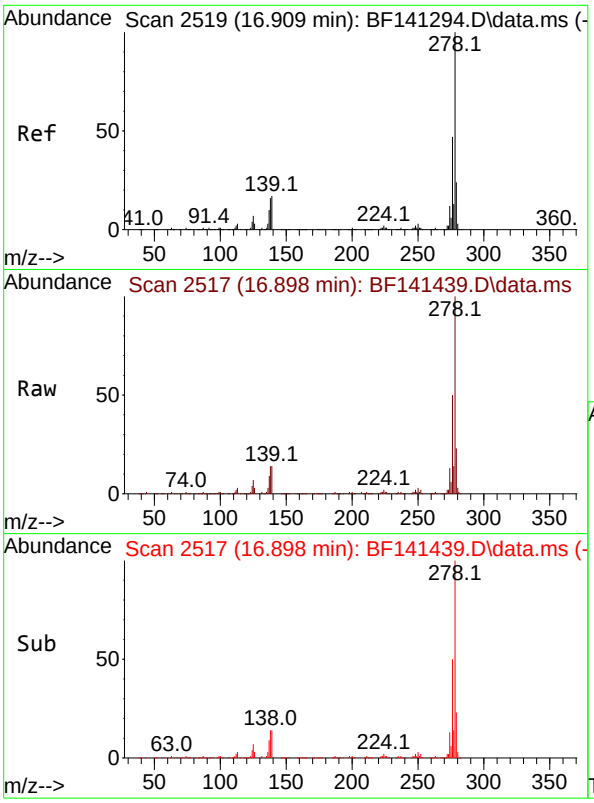


#90
Benzo(a)pyrene
Concen: 52.934 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:252 Resp: 461267

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	9.9	9.4	14.2

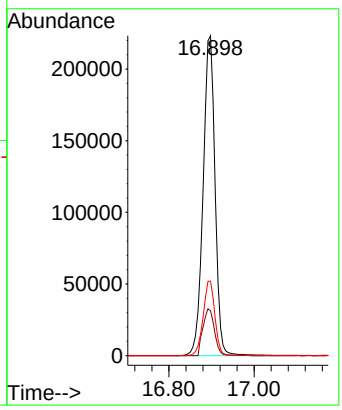




#91
Dibenzo(a,h)anthracene
Concen: 51.119 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:278 Resp: 43515

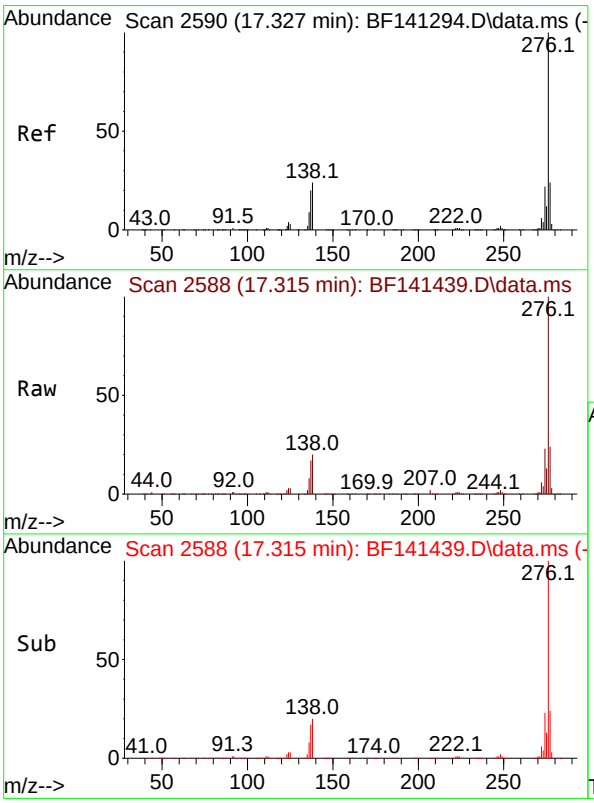
Ion	Ratio	Lower	Upper
278	100		
139	14.1	13.9	20.9
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations
APPROVED

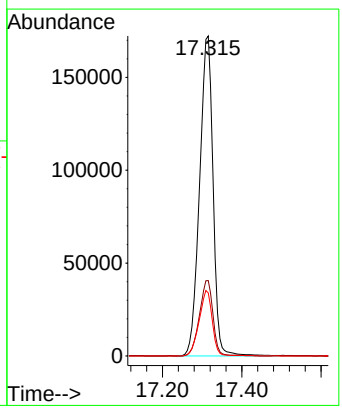
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 46.007 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:276 Resp: 407221

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	19.7	19.0	28.4



Raw Data: **BF141442.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 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	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
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.70	J	4.00	10.0	ug/L
108-95-2	Phenol	46.5		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.8		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	49.1		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)	45.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	49.1		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.5		1.50	2.50	ug/L
67-72-1	Hexachloroethane	49.7		1.00	5.00	ug/L
98-95-3	Nitrobenzene	47.1		1.30	5.00	ug/L
78-59-1	Isophorone	48.6		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	50.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	56.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.0		0.88	5.00	ug/L
91-20-3	Naphthalene	48.3		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	51.1		1.30	5.00	ug/L
105-60-2	Caprolactam	46.8		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	50.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	48.7		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.0		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	47.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.9		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	50.6		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.7		0.93	5.00	ug/L

Raw Data: **BF141442.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 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	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
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.8		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.3		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.4		1.40	5.00	ug/L
83-32-9	Acenaphthene	55.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	49.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.2		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.6		0.98	5.00	ug/L
86-73-7	Fluorene	50.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	49.3		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	59.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.7		1.10	5.00	ug/L
1912-24-9	Atrazine	52.3		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	52.0		0.89	5.00	ug/L
120-12-7	Anthracene	54.5		1.10	5.00	ug/L
86-74-8	Carbazole	53.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.4		1.30	5.00	ug/L
129-00-0	Pyrene	46.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.3		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.2		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.6		0.94	5.00	ug/L
218-01-9	Chrysene	50.3		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	50.8		1.10	5.00	ug/L

Raw Data: **BF141442.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 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	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
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	53.6		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.2		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.5		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	54.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.4		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.6		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	95.4		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69500	6.792			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	151000	9.828			
1517-22-2	Phenanthrene-d10	259000	11.316			
1719-03-5	Chrysene-d12	176000	13.963			
1520-96-3	Perylene-d12	154000	15.421			

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: **BF141442.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
02/06/2025
Supervised By :mohammad ahmed
02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	69540	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	272946	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	150801	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	258651	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	176386	20.000	ng		#-0.01
86) Perylene-d12	15.421	264	154350	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	614151	135.583	ng		0.00
7) Phenol-d6	6.434	99	746861	129.610	ng		0.00
23) Nitrobenzene-d5	7.357	82	499029	96.382	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	210807	152.483	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	926554	94.571	ng		-0.01
79) Terphenyl-d14	12.904	244	1091228	95.409	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.552	88	75743	38.021	ng		96
3) Pyridine	3.281	79	192561	40.118	ng		97
4) n-Nitrosodimethylamine	3.228	42	143225	52.234	ng		84
6) Aniline	6.451	93	185188	37.966	ng	#	3
8) 2-Chlorophenol	6.581	128	238573	49.139	ng		96
9) Benzaldehyde	6.340	77	22504	6.742	ng		98
10) Phenol	6.445	94	283733	46.450	ng	#	68
11) bis(2-Chloroethyl)ether	6.528	93	214452	45.788	ng		99
12) 1,3-Dichlorobenzene	6.728	146	252480	47.164	ng		99
13) 1,4-Dichlorobenzene	6.810	146	258437	48.056	ng		99
14) 1,2-Dichlorobenzene	6.957	146	242260	48.108	ng		98
15) Benzyl Alcohol	6.934	79	210947	53.568	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	366624	45.016	ng		59
17) 2-Methylphenol	7.051	107	183589	46.527	ng	#	92
18) Hexachloroethane	7.298	117	98645	49.722	ng		98
19) n-Nitroso-di-n-propyla...	7.204	70	162704	47.519	ng		98
20) 3+4-Methylphenols	7.204	107	237802	49.083	ng		93
22) Acetophenone	7.198	105	328523	50.636	ng		99
24) Nitrobenzene	7.375	77	252507	47.060	ng		99
25) Isophorone	7.610	82	435211	48.627	ng		98
26) 2-Nitrophenol	7.692	139	126860	50.132	ng		95
27) 2,4-Dimethylphenol	7.734	122	183402m	56.941	ng		
28) bis(2-Chloroethoxy)met...	7.822	93	262284	45.943	ng		99
29) 2,4-Dichlorophenol	7.939	162	193147	48.983	ng		100
30) 1,2,4-Trichlorobenzene	8.016	180	212618	47.216	ng		100
31) Naphthalene	8.092	128	695787	48.255	ng		100
32) Benzoic acid	7.857	122	138989	46.941	ng		93
33) 4-Chloroaniline	8.145	127	95992	19.632	ng		99
34) Hexachlorobutadiene	8.210	225	134966	51.108	ng		99
35) Caprolactam	8.510	113	60244m	46.782	ng		
36) 4-Chloro-3-methylphenol	8.639	107	214446	50.702	ng		97
37) 2-Methylnaphthalene	8.786	142	446519	48.723	ng		100
38) 1-Methylnaphthalene	8.886	142	415934	46.203	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	210589	49.087	ng		99
41) Hexachlorocyclopentadiene	8.939	237	239778	189.249	ng		99
43) 2,4,6-Trichlorophenol	9.069	196	137710	49.041	ng		99

Sample Results: **BF141442.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

02/06/2025

Supervised By :mohammad ahmed

02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	146793	48.031	ng		97
46) 1,1'-Biphenyl	9.251	154	558776	47.512	ng		98
47) 2-Chloronaphthalene	9.275	162	420321	45.853	ng		98
48) 2-Nitroaniline	9.375	65	145851	50.584	ng		96
49) Acenaphthylene	9.692	152	652197	50.826	ng		99
50) Dimethylphthalate	9.557	163	496367	48.735	ng		100
51) 2,6-Dinitrotoluene	9.616	165	111896	47.316	ng		96
52) Acenaphthene	9.863	154	505025m	55.091	ng		
53) 3-Nitroaniline	9.786	138	61079	26.352	ng		99
54) 2,4-Dinitrophenol	9.898	184	123829	112.642	ng		90
55) Dibenzofuran	10.033	168	601794	49.043	ng		96
56) 4-Nitrophenol	9.963	139	178017	105.019	ng		89
57) 2,4-Dinitrotoluene	10.022	165	156908	51.247	ng		93
58) Fluorene	10.380	166	479929	50.423	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	130782	54.393	ng		97
60) Diethylphthalate	10.257	149	490998	49.719	ng		99
61) 4-Chlorophenyl-phenyle...	10.369	204	230375	49.550	ng		96
62) 4-Nitroaniline	10.404	138	112393	49.323	ng		90
63) Azobenzene	10.533	77	478034	48.358	ng		97
65) 4,6-Dinitro-2-methylph...	10.433	198	91072	59.527	ng		99
66) n-Nitrosodiphenylamine	10.492	169	414035	49.492	ng		99
67) 4-Bromophenyl-phenylether	10.863	248	141524	48.874	ng		100
68) Hexachlorobenzene	10.928	284	152677	49.706	ng		99
69) Atrazine	11.022	200	146281	52.298	ng		98
70) Pentachlorophenol	11.127	266	182937	101.707	ng		99
71) Phenanthrene	11.345	178	723012	52.002	ng		99
72) Anthracene	11.392	178	742686	54.517	ng		100
73) Carbazole	11.551	167	649712	53.785	ng		99
74) Di-n-butylphthalate	11.880	149	753424	51.466	ng		100
75) Fluoranthene	12.533	202	760403	55.390	ng		97
77) Benzidine	12.651	184	162405	28.721	ng		99
78) Pyrene	12.763	202	786061	46.426	ng		99
80) Butylbenzylphthalate	13.380	149	297386	50.276	ng		99
81) Benzo(a)anthracene	13.951	228	591257	48.577	ng		99
82) 3,3'-Dichlorobenzidine	13.916	252	89685	23.167	ng		97
83) Chrysene	13.986	228	561085	50.299	ng		100
84) Bis(2-ethylhexyl)phtha...	13.945	149	377988	50.375	ng		99
85) Di-n-octyl phthalate	14.568	149	576416	49.459	ng		98
87) Indeno(1,2,3-cd)pyrene	16.874	276	522744	52.473	ng		96
88) Benzo(b)fluoranthene	15.004	252	493180	50.796	ng		98
89) Benzo(k)fluoranthene	15.033	252	460679	53.561	ng		99
90) Benzo(a)pyrene	15.363	252	453060	55.220	ng		98
91) Dibenzo(a,h)anthracene	16.886	278	419457	52.335	ng		97
92) Benzo(g,h,i)perylene	17.304	276	390761	46.889	ng	#	95

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

Sample Results: **BF141442.D**

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Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

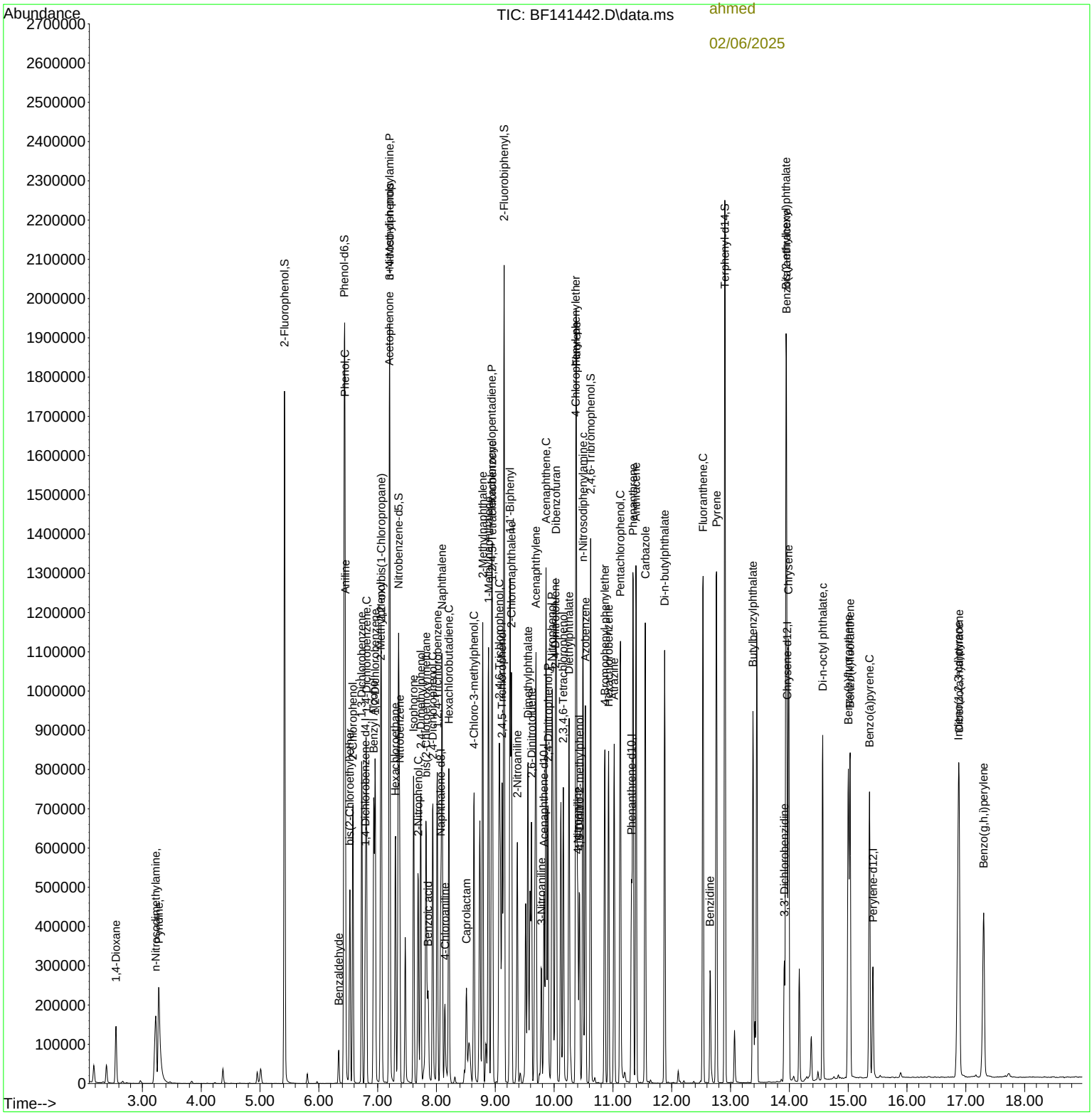
Manual Integrations APPROVED

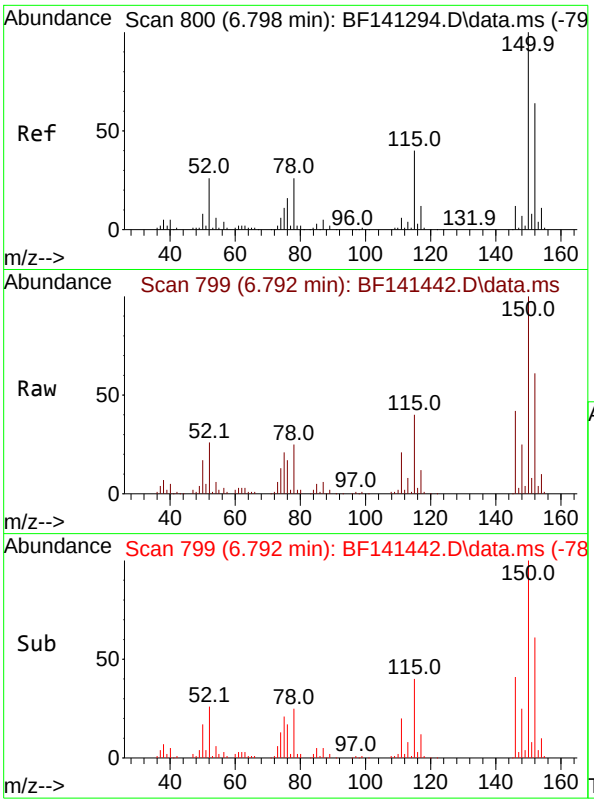
Reviewed By :Yogesh Patel

02/06/2025

Supervised By :mohammad ahmed

02/06/2025

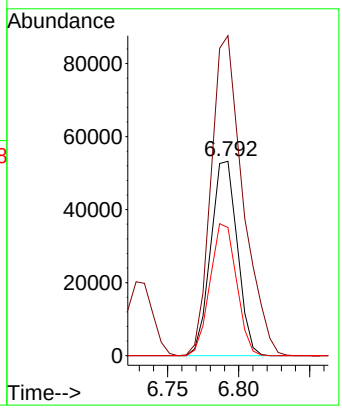




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:152 Resp: 6954

Ion	Ratio	Lower	Upper
152	100		
150	164.5	125.9	188.9
115	65.9	49.7	74.5



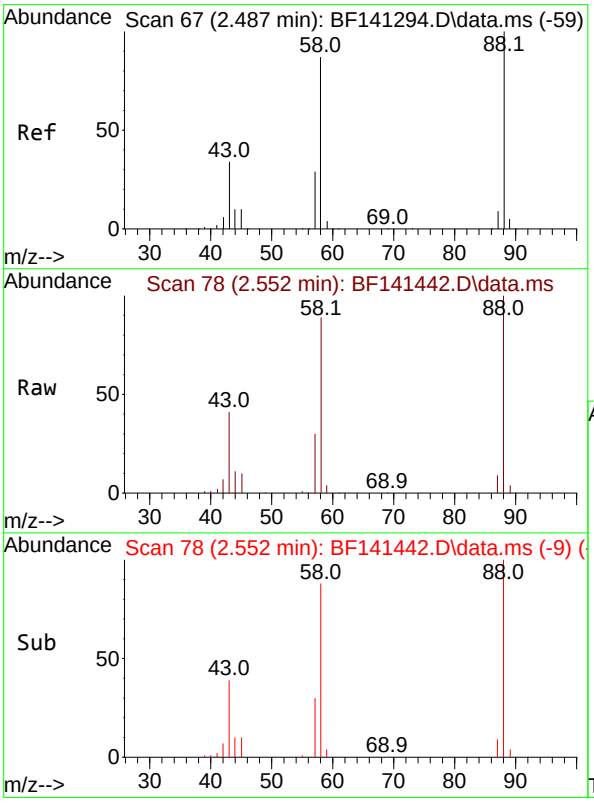
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ClientSampleId :
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Manual Integrations
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Reviewed By :Yogesh Patel

02/06/2025
Supervised By :mohammad ahmed

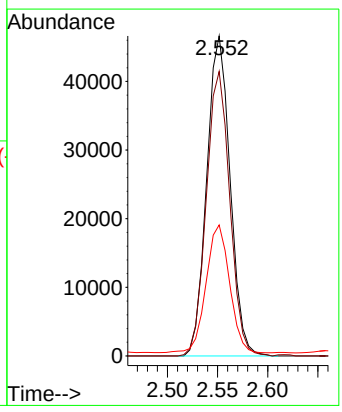
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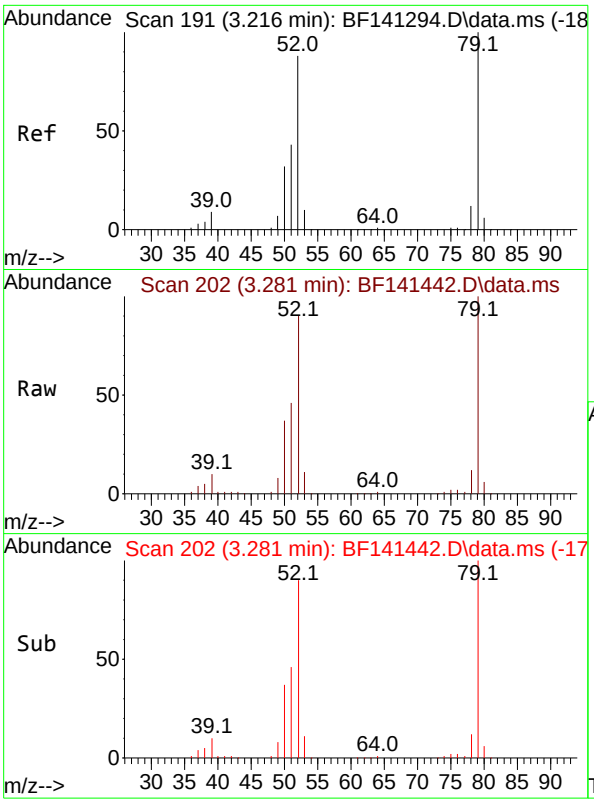


#2
1,4-Dioxane
Concen: 38.021 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 88 Resp: 75743

Ion	Ratio	Lower	Upper
88	100		
58	89.4	70.2	105.4
43	40.2	27.6	41.4

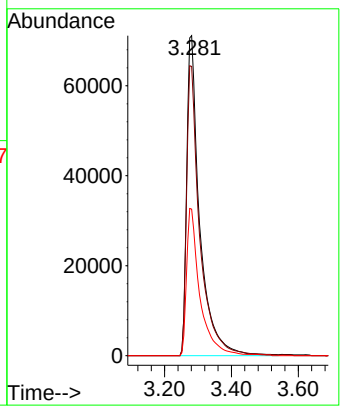




#3
Pyridine
Concen: 40.118 ng
RT: 3.281 min Scan# 2
Delta R.T. 0.053 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 79 Resp: 19256

Ion	Ratio	Lower	Upper
79	100		
52	90.4	70.3	105.5
51	45.8	34.3	51.5



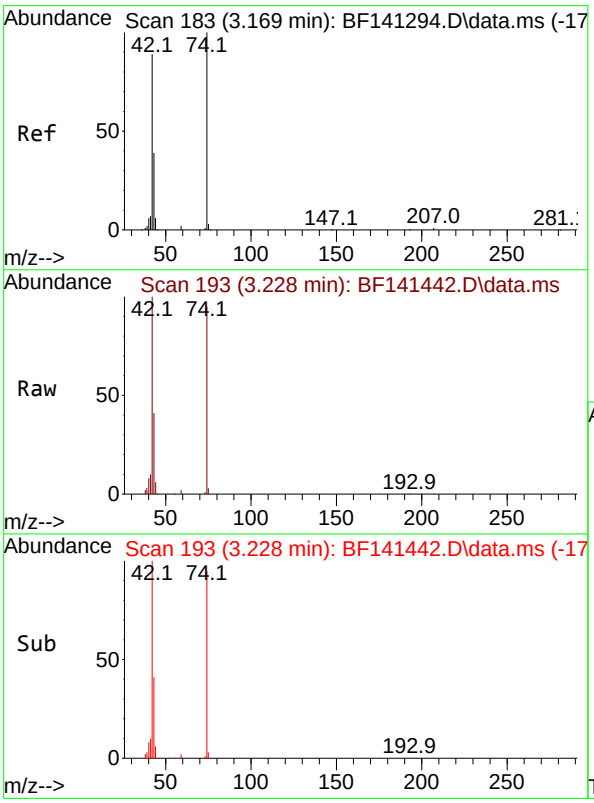
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ClientSampleId :
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Reviewed By :Yogesh Patel

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Supervised By :mohammad ahmed

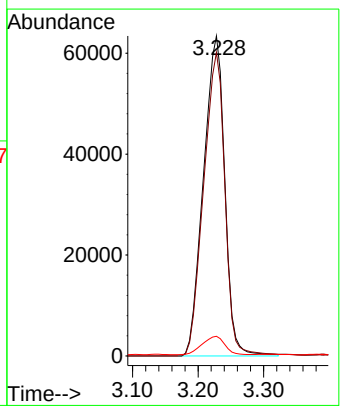
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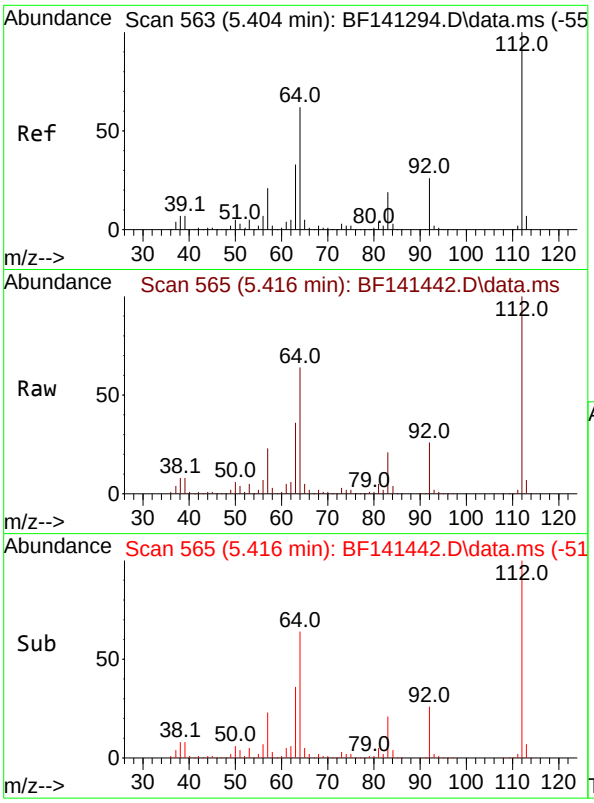


#4
n-Nitrosodimethylamine
Concen: 52.234 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.029 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 42 Resp: 143225

Ion	Ratio	Lower	Upper
42	100		
74	94.9	90.3	135.5
44	6.2	5.7	8.5

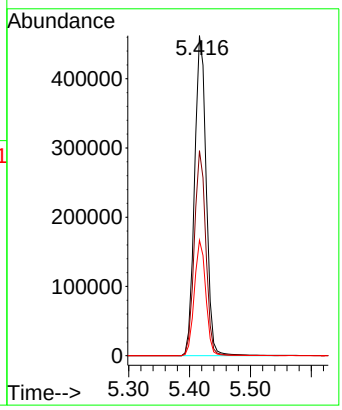




#5
2-Fluorophenol
Concen: 135.583 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:112 Resp: 61415

Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.8	74.8
63	36.0	26.1	39.1



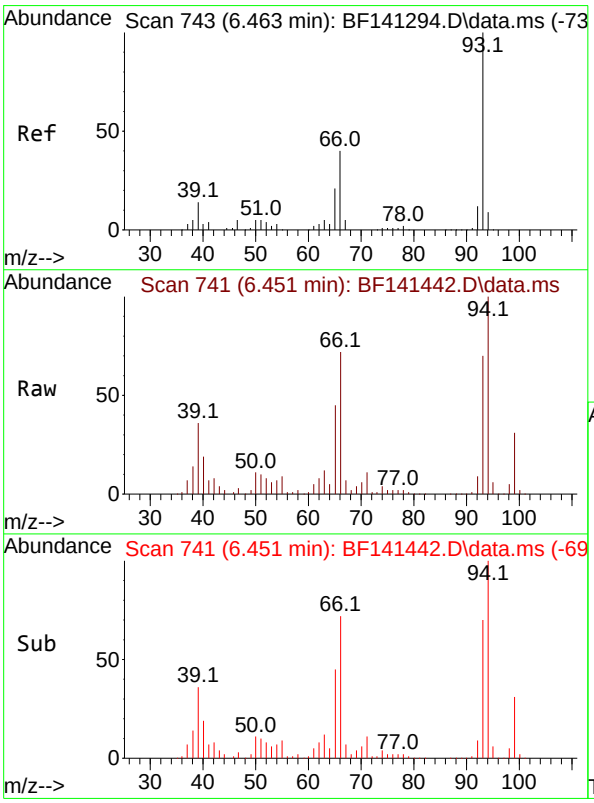
Instrument :
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ClientSampleId :
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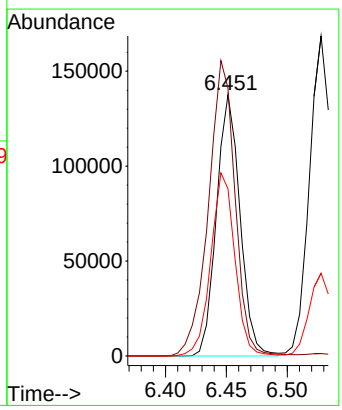
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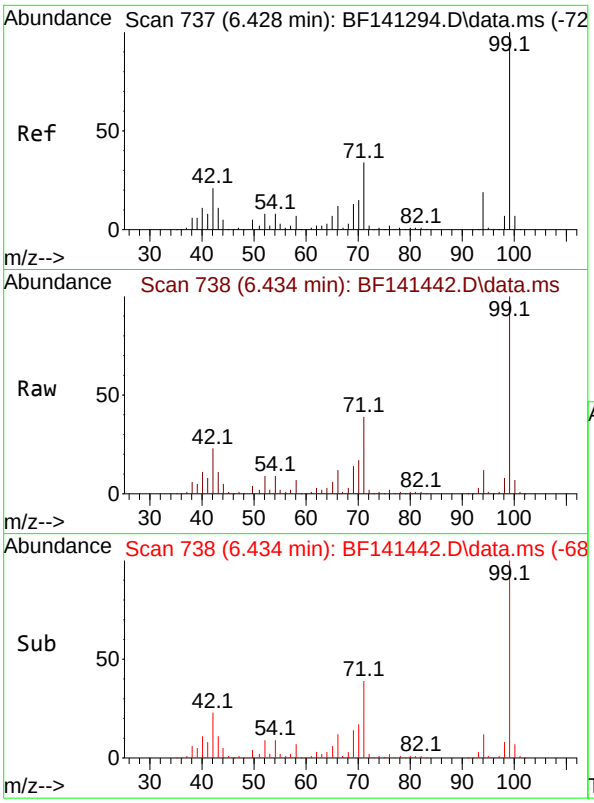


#6
Aniline
Concen: 37.966 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 93 Resp: 185188

Ion	Ratio	Lower	Upper
93	100		
66	102.6	32.5	48.7#
65	64.0	17.0	25.6#

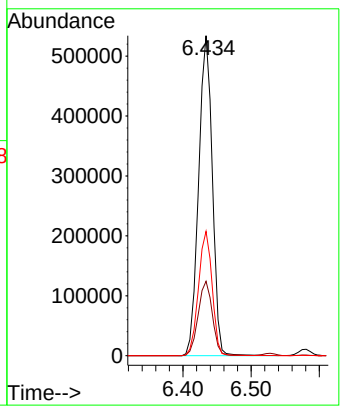




#7
Phenol-d6
Concen: 129.610 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 99 Resp: 74686

Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.1	25.7
71	38.9	26.9	40.3



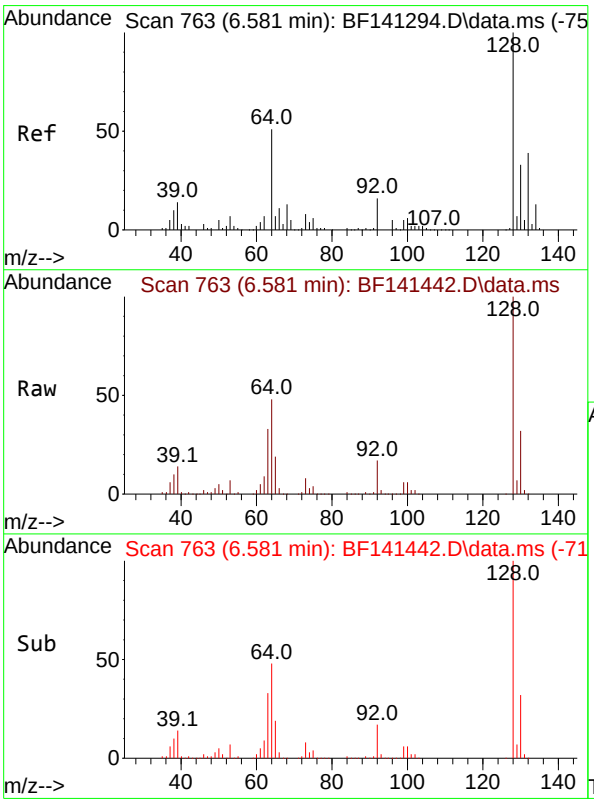
Instrument :
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ClientSampleId :
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Reviewed By :Yogesh Patel

02/06/2025
Supervised By :mohammad ahmed

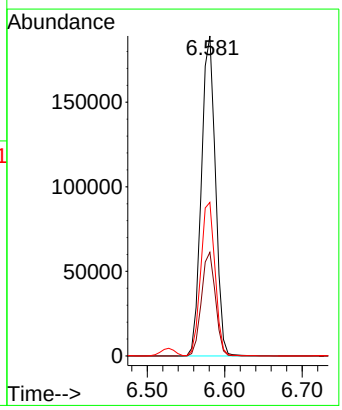
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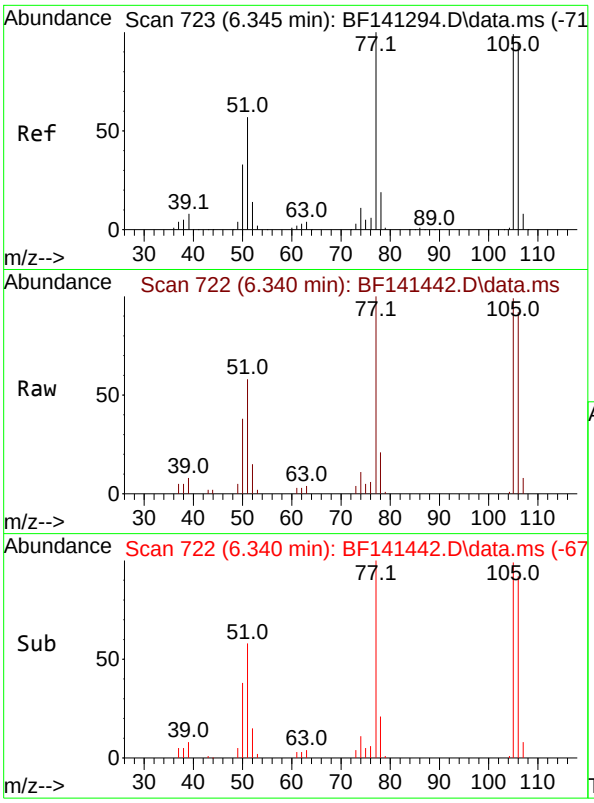


#8
2-Chlorophenol
Concen: 49.139 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:128 Resp: 238573

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	48.0	32.9	72.9

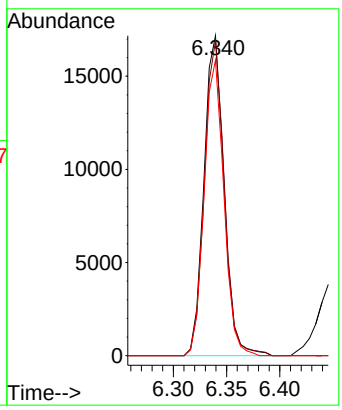




#9
Benzaldehyde
Concen: 6.742 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 77 Resp: 2250

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.4	119.4
106	92.3	74.6	114.6



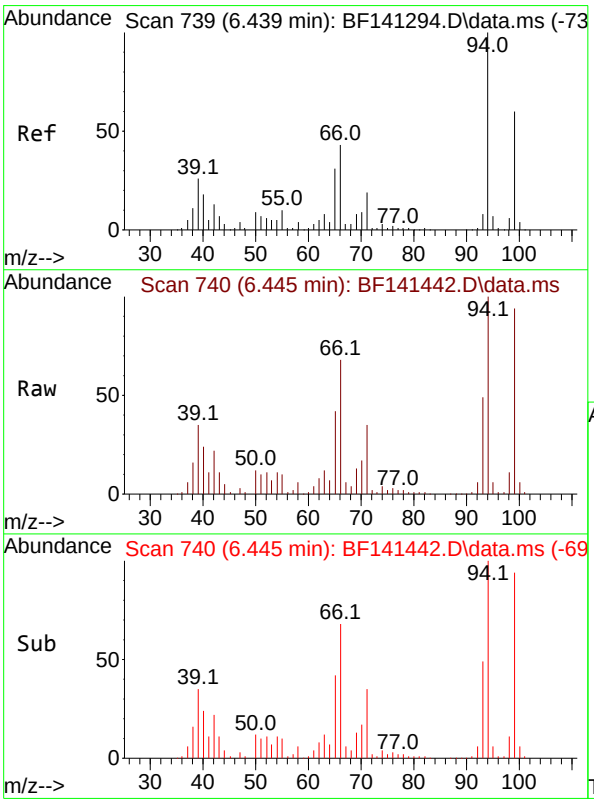
Instrument :
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Reviewed By :Yogesh Patel

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Supervised By :mohammad ahmed

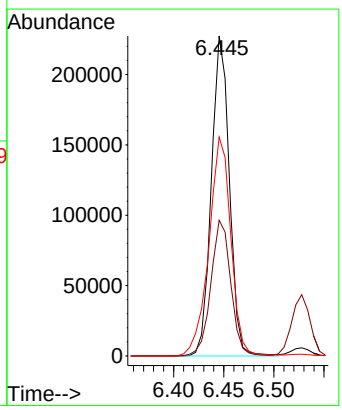
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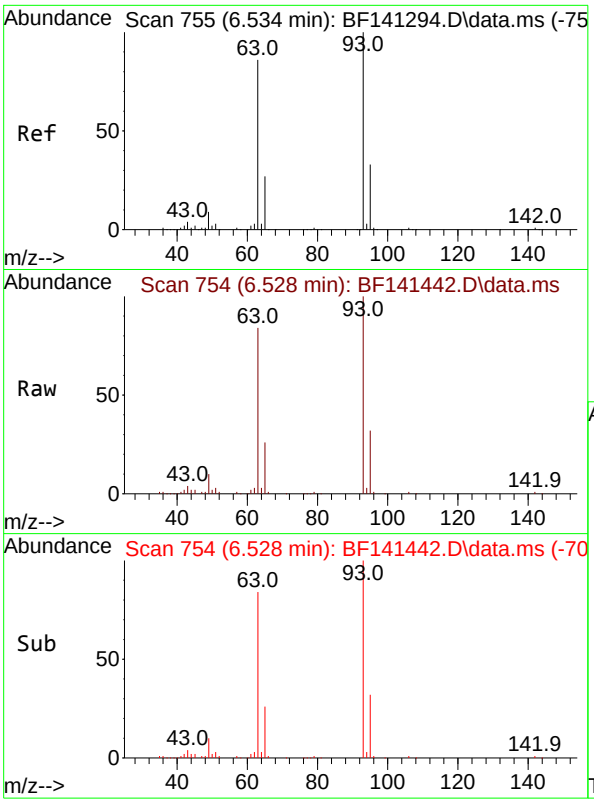


#10
Phenol
Concen: 46.450 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 94 Resp: 283733

Ion	Ratio	Lower	Upper
94	100		
65	42.4	10.8	50.8
66	68.4	23.3	63.3#

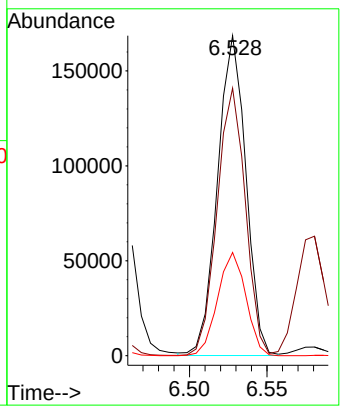




#11
bis(2-Chloroethyl)ether
Concen: 45.788 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 93 Resp: 21445

Ion	Ratio	Lower	Upper
93	100		
63	83.6	65.0	105.0
95	32.3	12.4	52.4



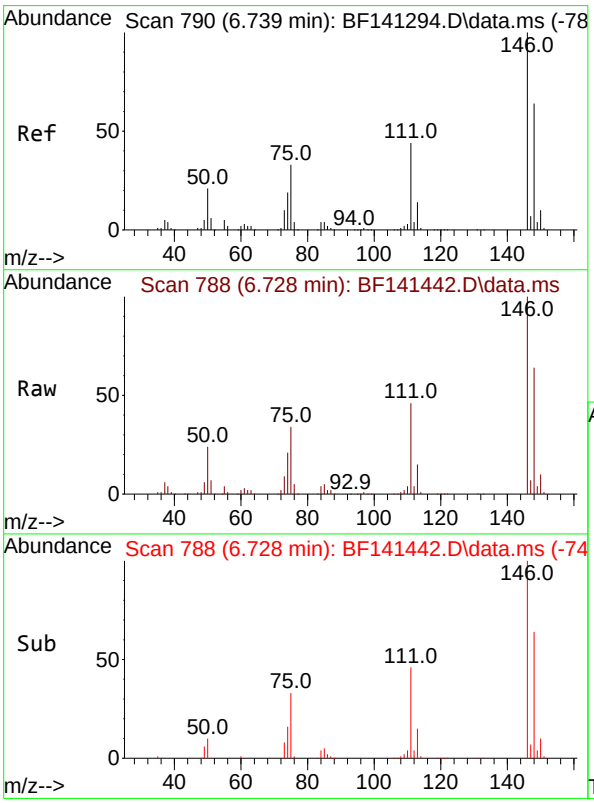
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Supervised By :mohammad ahmed

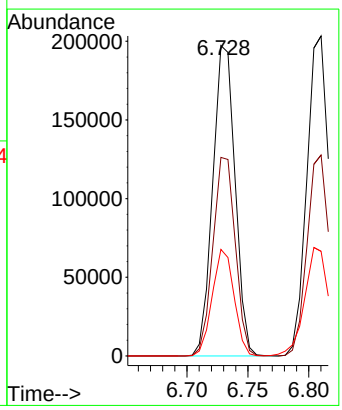
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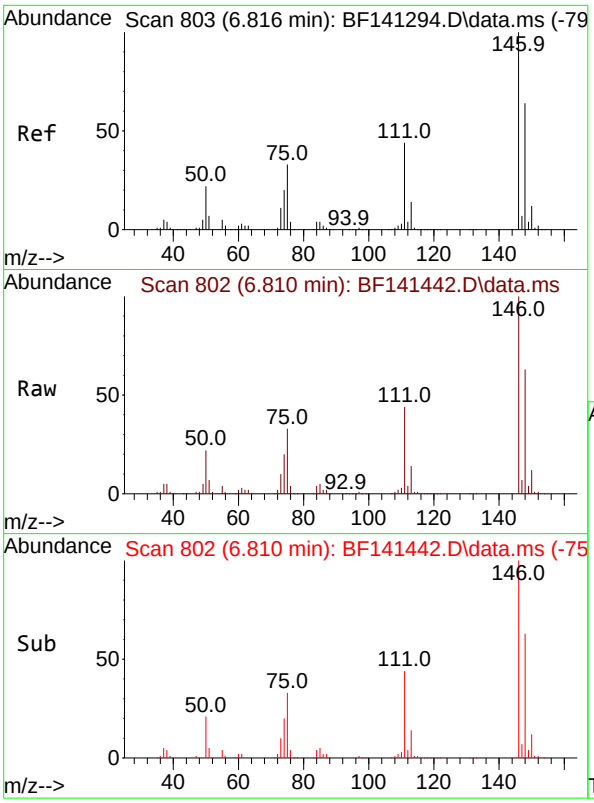


#12
1,3-Dichlorobenzene
Concen: 47.164 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:146 Resp: 252480

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	34.4	26.2	39.4

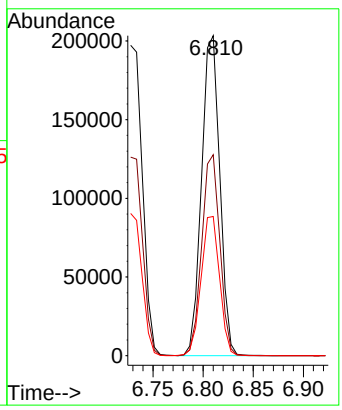




#13
1,4-Dichlorobenzene
Concen: 48.056 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:146 Resp: 25843

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.2	76.8
111	43.5	35.0	52.4



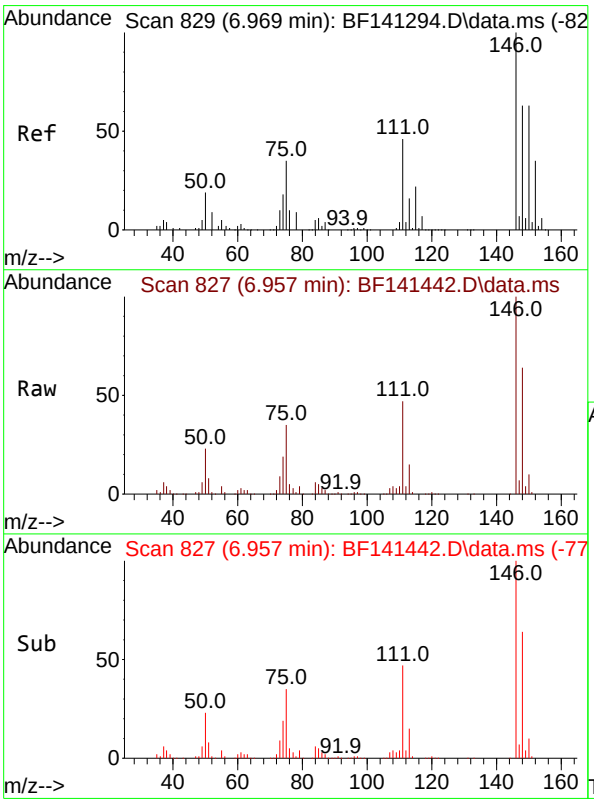
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Supervised By :mohammad ahmed

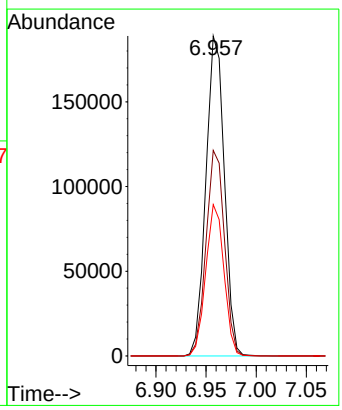
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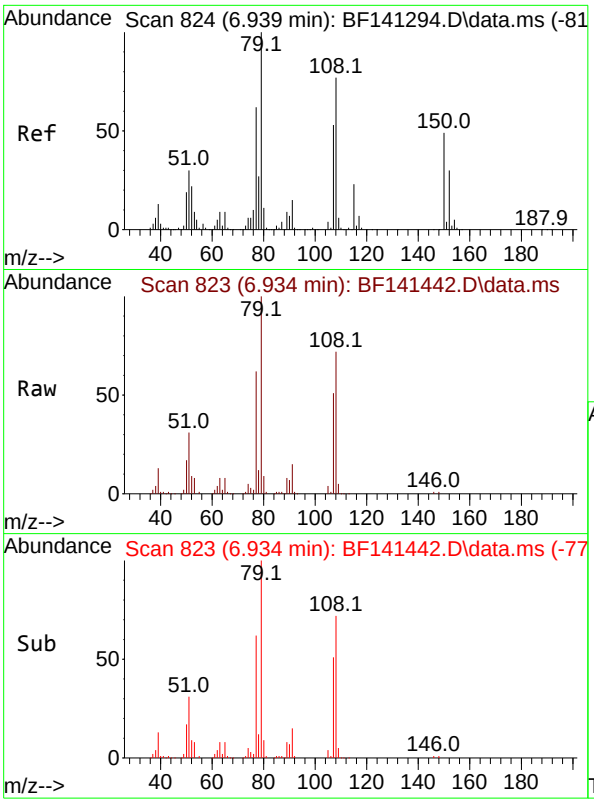


#14
1,2-Dichlorobenzene
Concen: 48.108 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:146 Resp: 242260

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.5	75.7
111	47.3	36.6	55.0

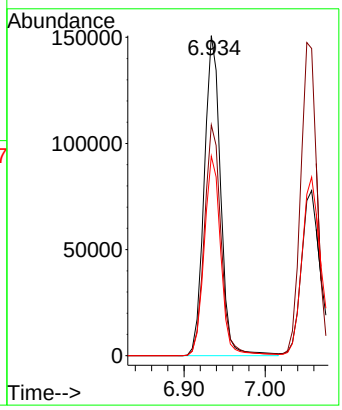




#15
Benzyl Alcohol
Concen: 53.568 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 79 Resp: 21094

Ion	Ratio	Lower	Upper
79	100		
108	72.1	61.4	92.0
77	62.3	49.9	74.9



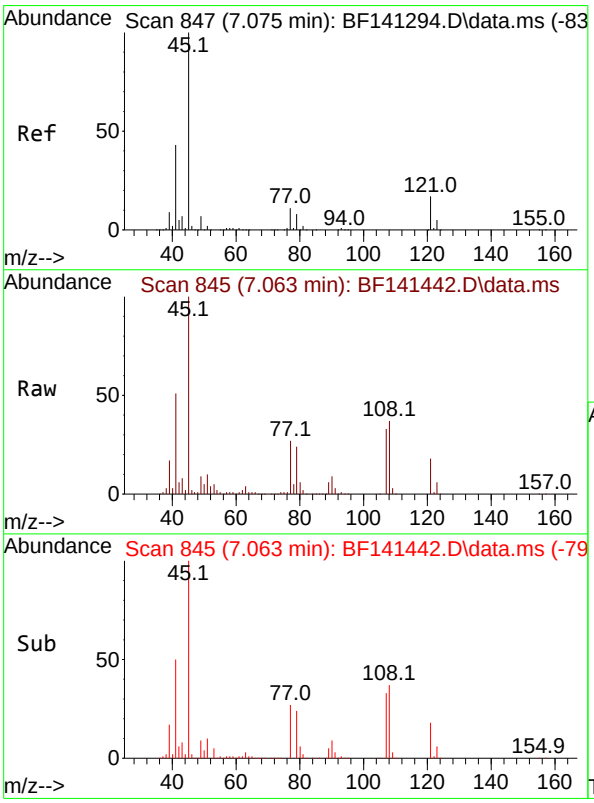
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ClientSampleId :
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Reviewed By :Yogesh Patel

02/06/2025
Supervised By :mohammad ahmed

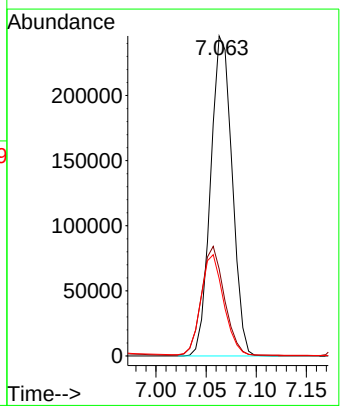
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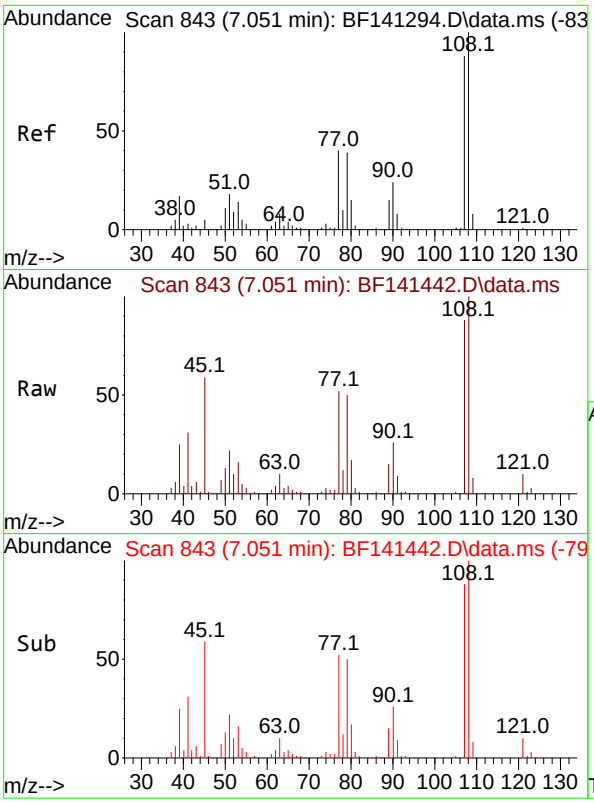


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.016 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 45 Resp: 366624

Ion	Ratio	Lower	Upper
45	100		
77	27.2	0.0	31.8
79	24.2	0.0	29.1

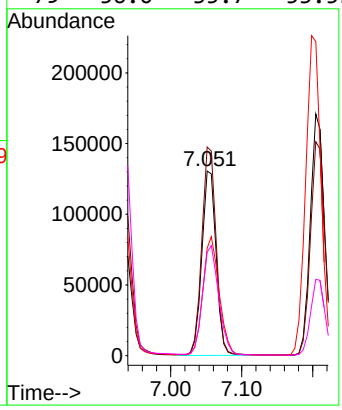




#17
2-Methylphenol
Concen: 46.527 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:107 Resp: 18358

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.8	136.2
77	58.3	36.2	54.4#
79	56.0	35.7	53.5#

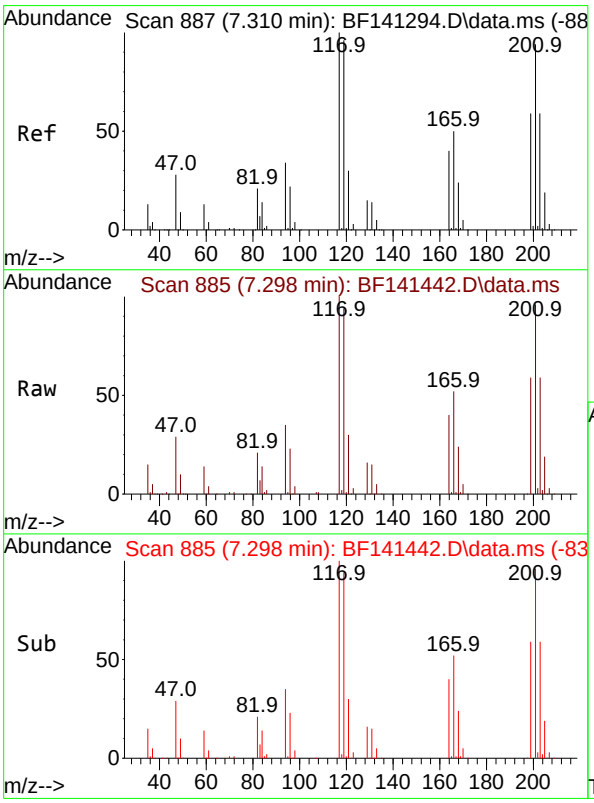


Instrument :
BNA_F
ClientSampleId :
PB166339BS

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Reviewed By :Yogesh Patel
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Supervised By :mohammad ahmed

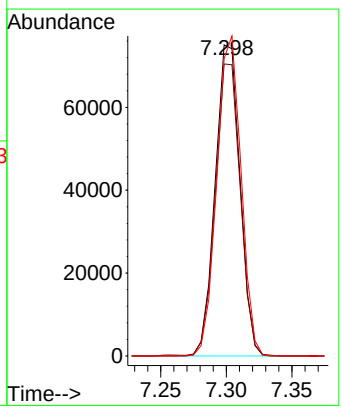
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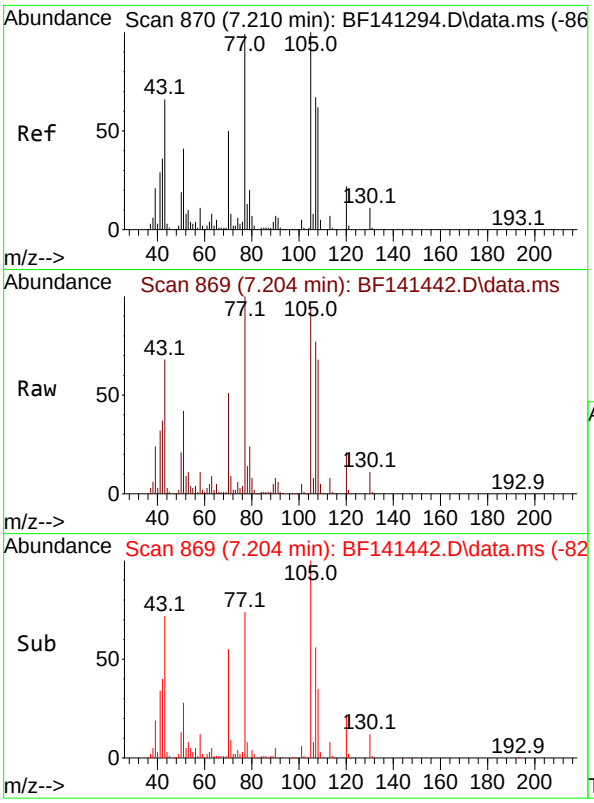


#18
Hexachloroethane
Concen: 49.722 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:117 Resp: 98645

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.6	114.8
201	95.6	74.8	112.2

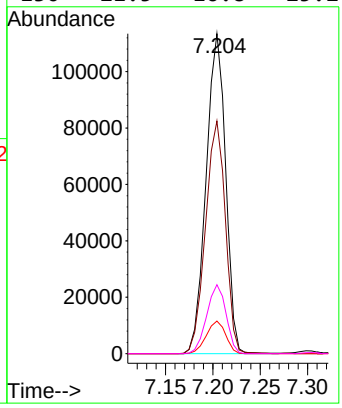




#19
n-Nitroso-di-n-propylamine
Concen: 47.519 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 70 Resp: 16270

Ion	Ratio	Lower	Upper
70	100		
42	72.7	56.8	85.2
101	10.2	7.7	11.5
130	21.5	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
PB166339BS

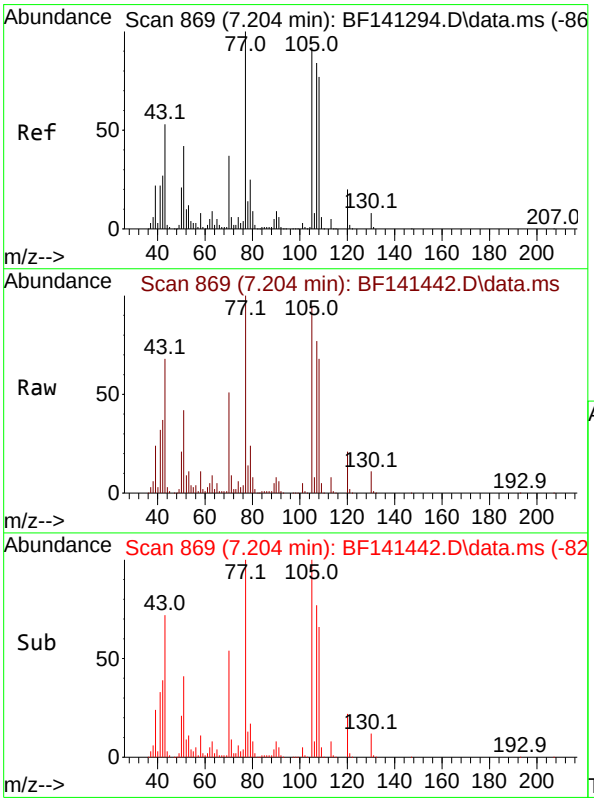
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Reviewed By :Yogesh Patel

02/06/2025

Supervised By :mohammad ahmed

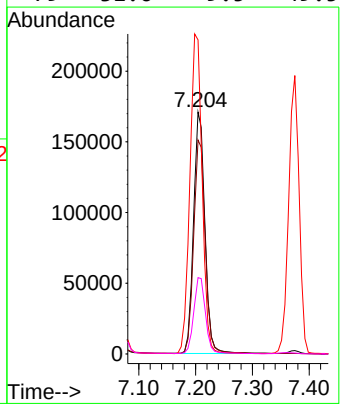
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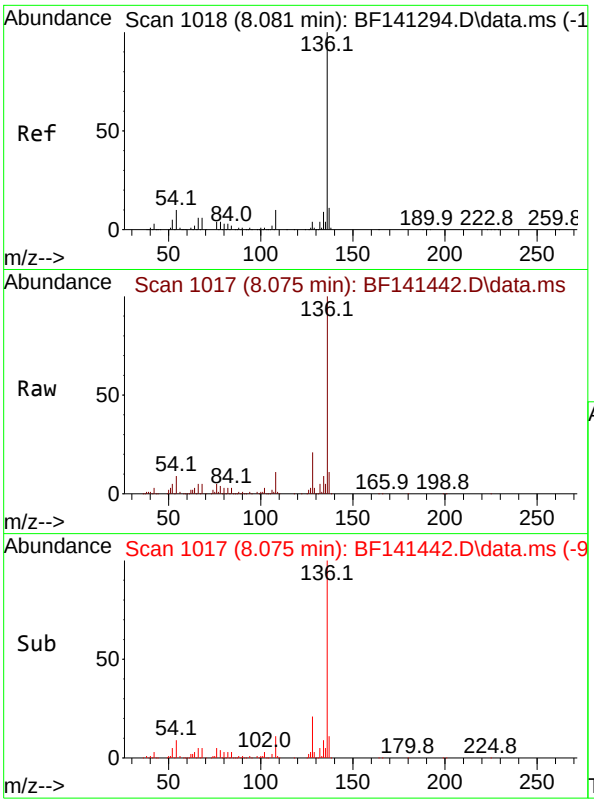


#20
3+4-Methylphenols
Concen: 49.083 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:107 Resp: 237802

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.9	110.9
77	129.9	98.5	138.5
79	31.6	9.5	49.5

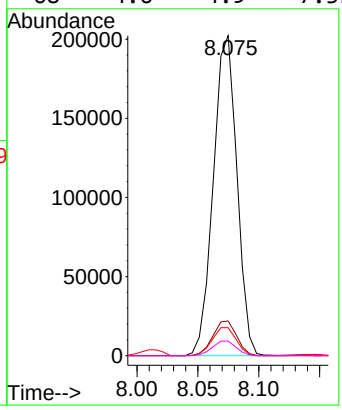




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:136 Resp: 27294

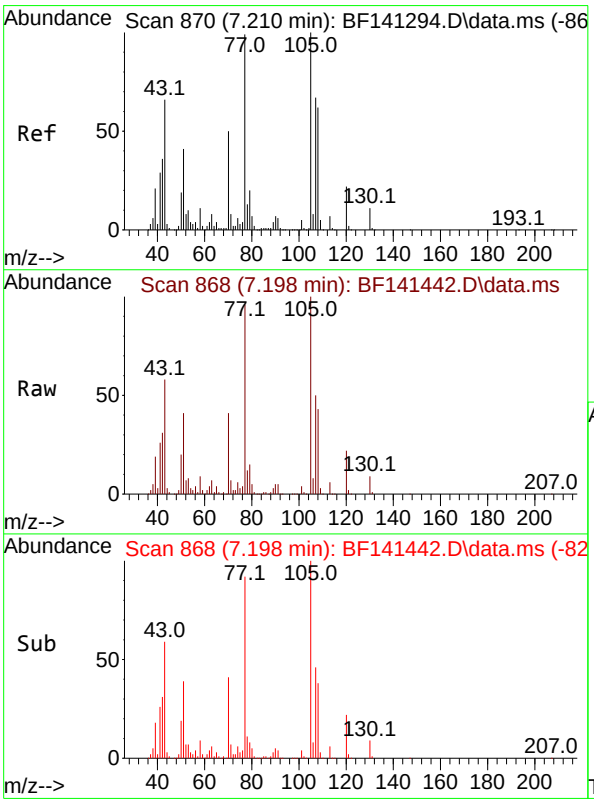
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.8	11.8
68	4.6	4.9	7.3#



Instrument :
BNA_F
ClientSampleId :
PB166339BS

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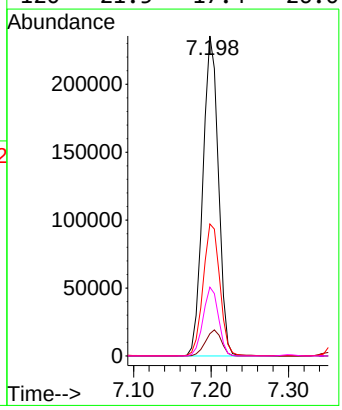
Reviewed By :Yogesh Patel
02/06/2025
Supervised By :mohammad ahmed
02/06/2025

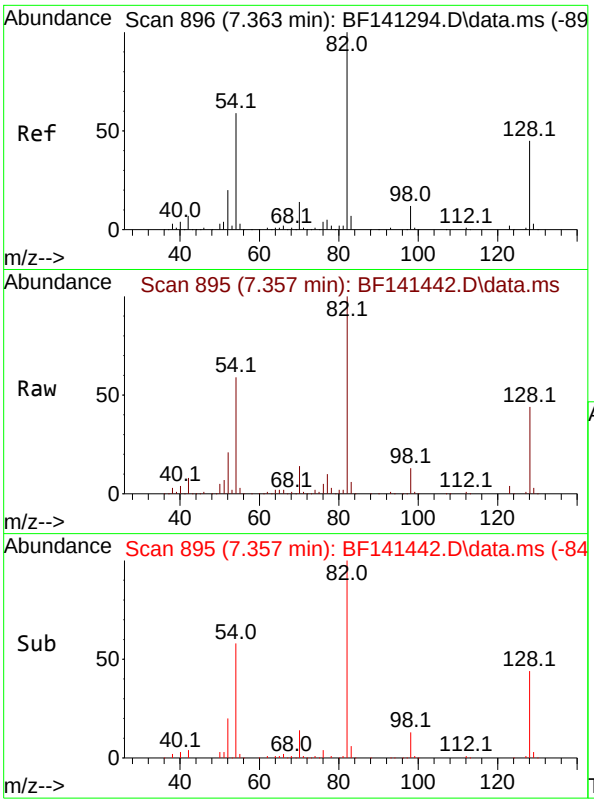


#22
Acetophenone
Concen: 50.636 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:105 Resp: 328523

Ion	Ratio	Lower	Upper
105	100		
71	7.0	6.8	10.2
51	41.2	32.6	49.0
120	21.5	17.4	26.0

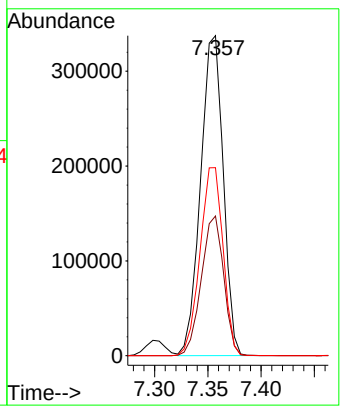




#23
Nitrobenzene-d5
Concen: 96.382 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 82 Resp: 49902

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.7	47.1	70.7



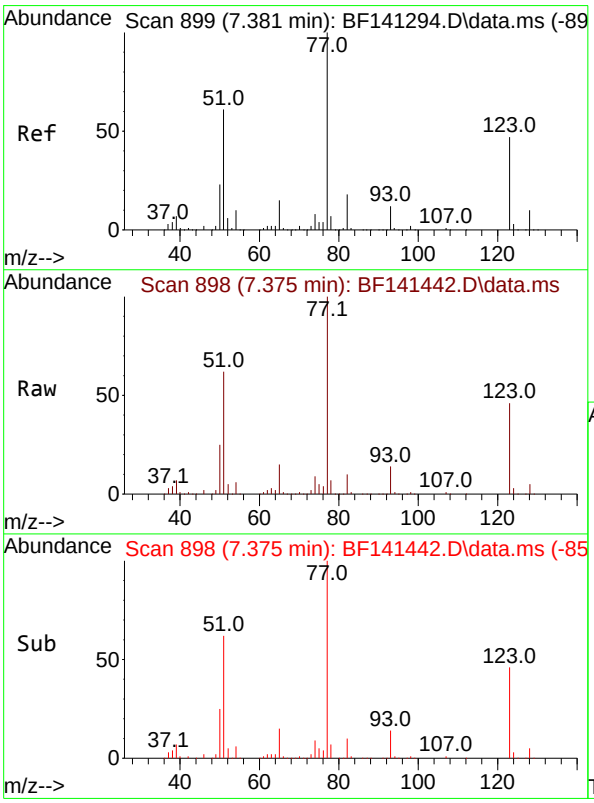
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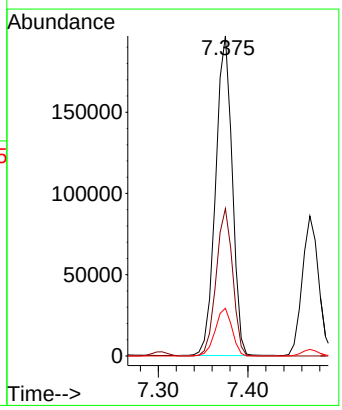
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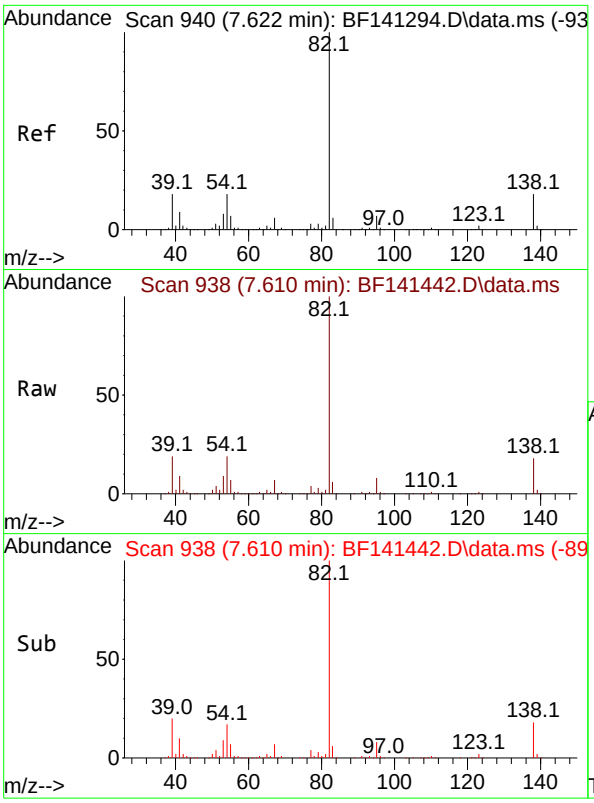


#24
Nitrobenzene
Concen: 47.060 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 77 Resp: 252507

Ion	Ratio	Lower	Upper
77	100		
123	46.1	37.3	55.9
65	14.9	11.8	17.6

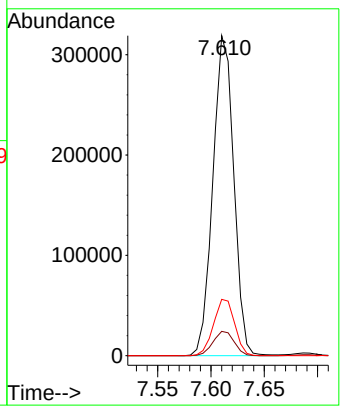




#25
Isophorone
Concen: 48.627 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 82 Resp: 43521

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.8	8.6
138	17.6	14.7	22.1



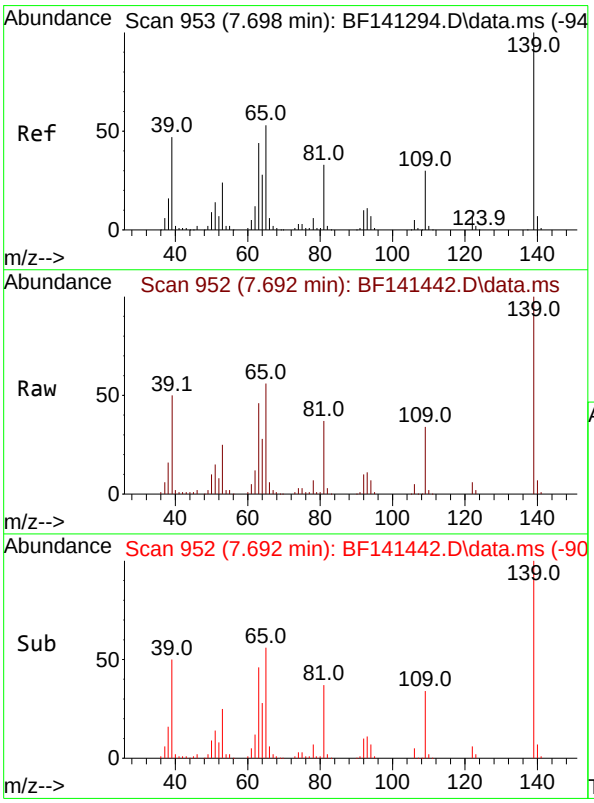
Instrument :
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ClientSampleId :
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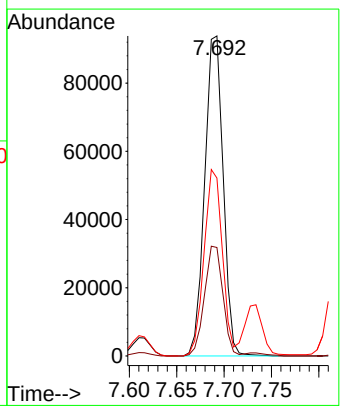
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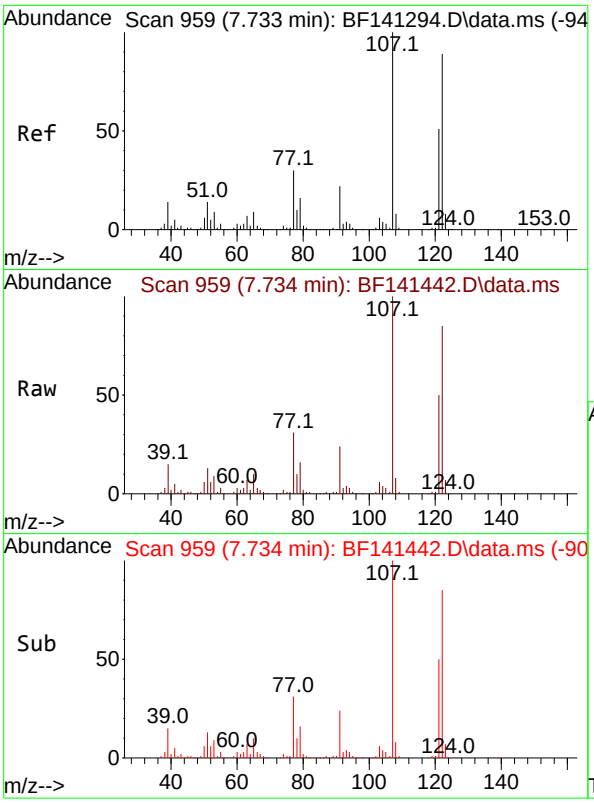


#26
2-Nitrophenol
Concen: 50.132 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:139 Resp: 126860

Ion	Ratio	Lower	Upper
139	100		
109	33.9	23.8	35.6
65	55.6	42.2	63.4

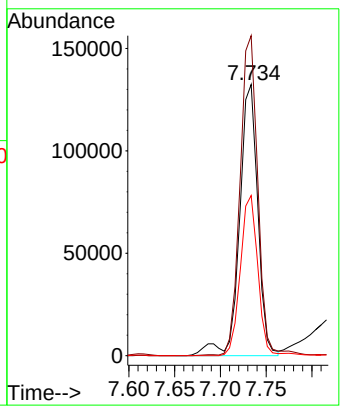




#27
2,4-Dimethylphenol
Concen: 56.941 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:122 Resp: 18340

Ion	Ratio	Lower	Upper
122	100		
107	118.0	89.9	134.9
121	59.0	46.1	69.1



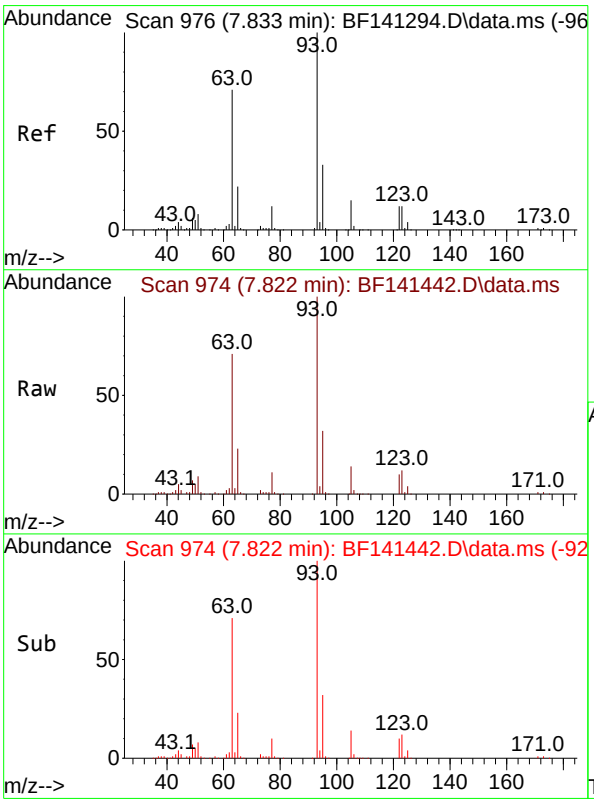
Instrument :
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ClientSampleId :
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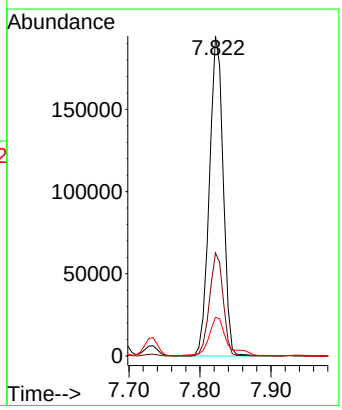
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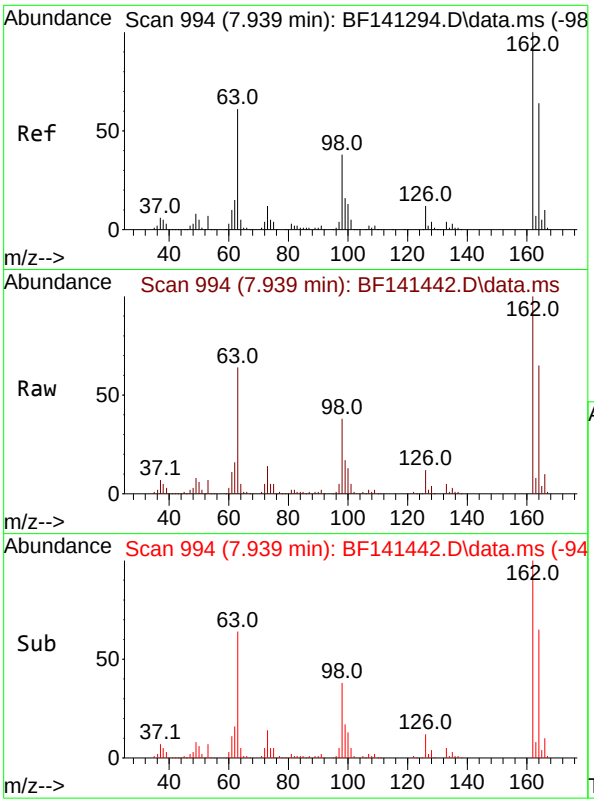


#28
bis(2-Chloroethoxy)methane
Concen: 45.943 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 93 Resp: 262284

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.2
123	12.1	10.2	15.4

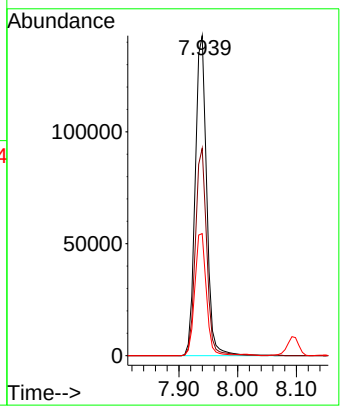




#29
2,4-Dichlorophenol
Concen: 48.983 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:162 Resp: 19314

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	38.2	18.2	58.2



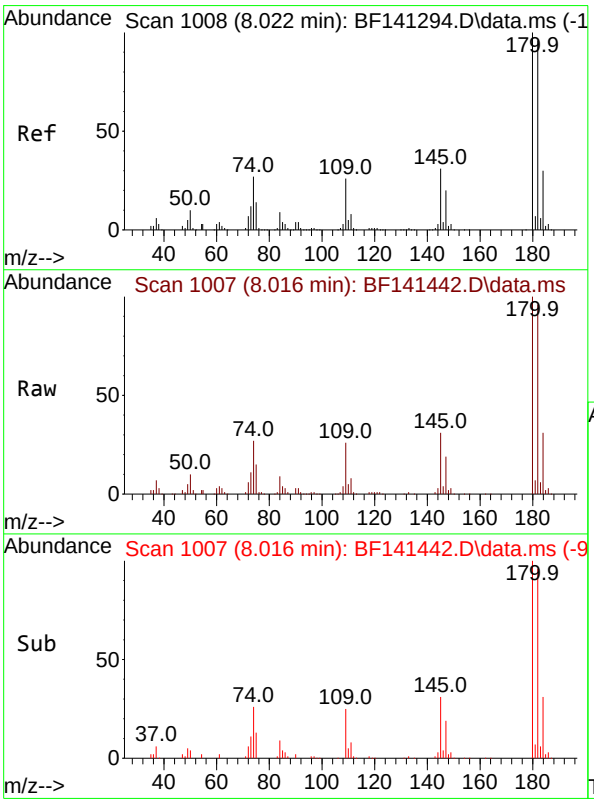
Instrument :
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ClientSampleId :
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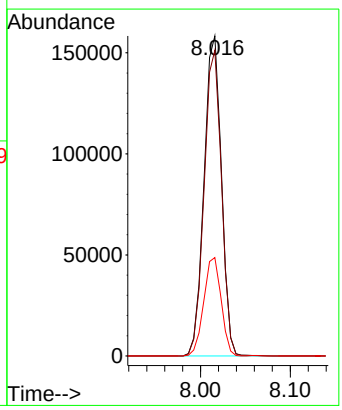
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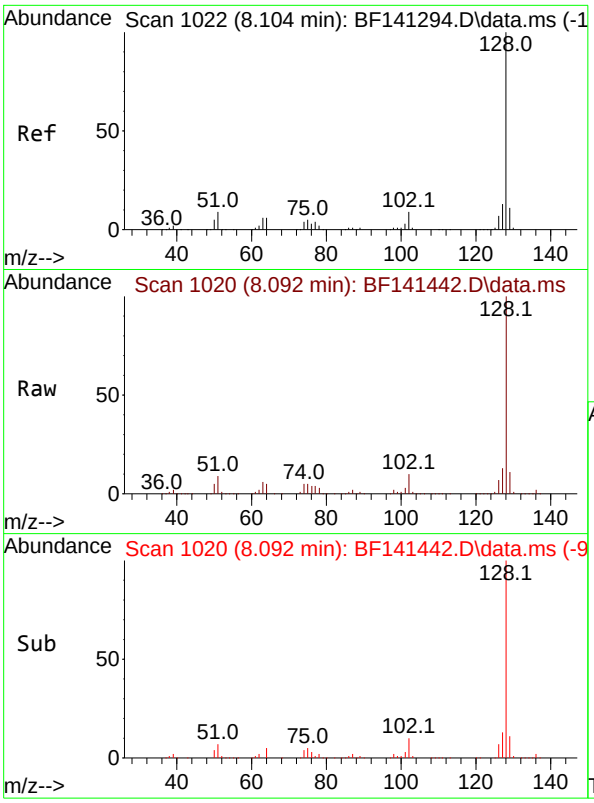


#30
1,2,4-Trichlorobenzene
Concen: 47.216 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:180 Resp: 212618

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	30.8	24.9	37.3

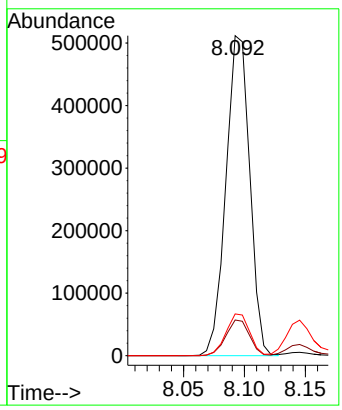




#31
Naphthalene
Concen: 48.255 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:128 Resp: 69578

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.1	10.6	15.8



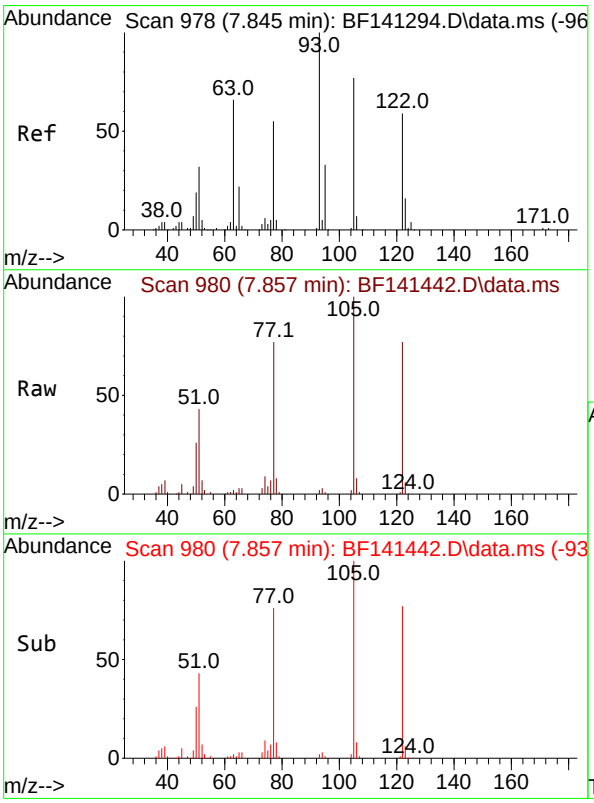
Instrument :
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ClientSampleId :
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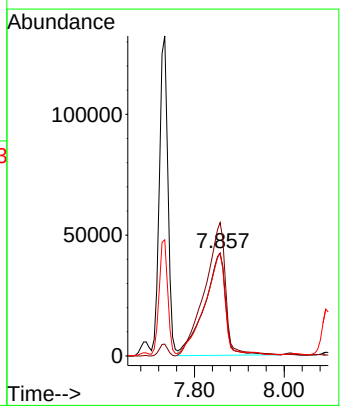
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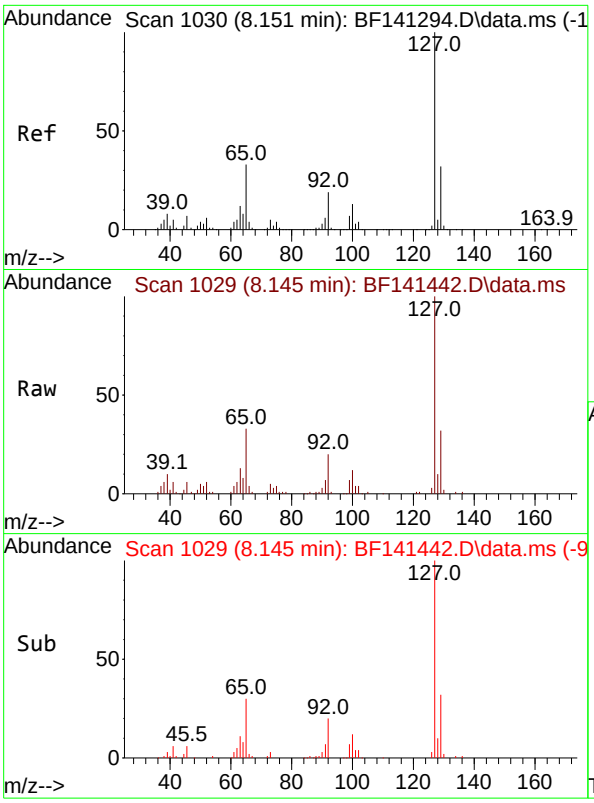


#32
Benzoic acid
Concen: 46.941 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:122 Resp: 138989

Ion	Ratio	Lower	Upper
122	100		
105	129.7	103.4	143.4
77	99.5	70.9	110.9

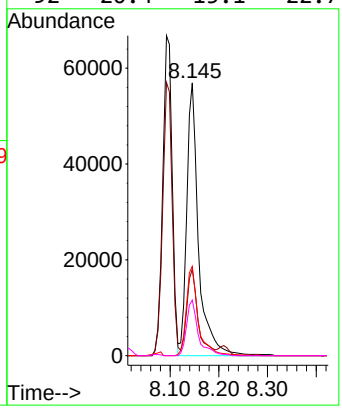




#33
4-Chloroaniline
Concen: 19.632 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:127 Resp: 9599

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	32.7	26.4	39.6
92	20.4	15.1	22.7



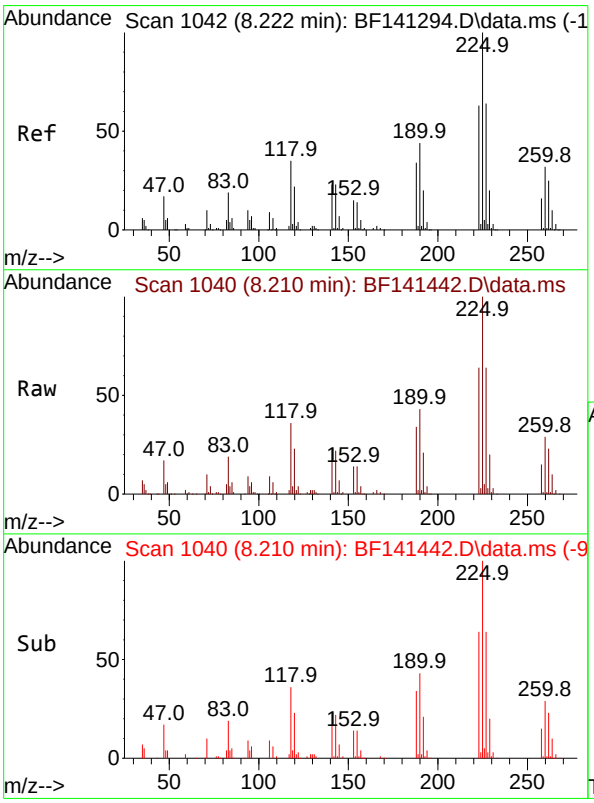
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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Reviewed By :Yogesh Patel

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Supervised By :mohammad ahmed

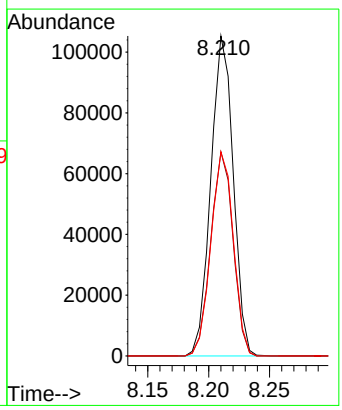
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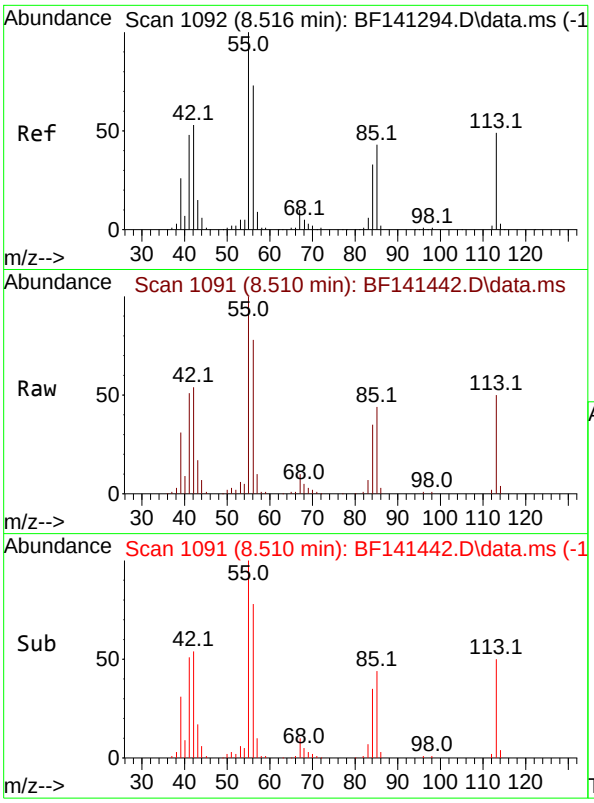


#34
Hexachlorobutadiene
Concen: 51.108 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:225 Resp: 134966

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.4	75.6
227	63.7	51.3	76.9

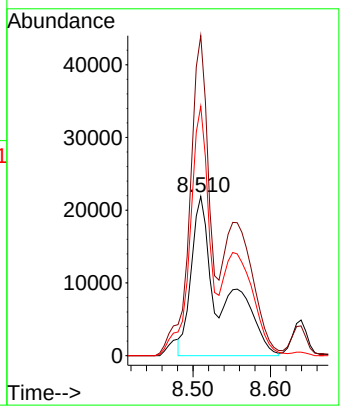




#35
Caprolactam
Concen: 46.782 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:113 Resp: 6024

Ion	Ratio	Lower	Upper
113	100		
55	200.9	182.9	222.9
56	156.6	127.9	167.9



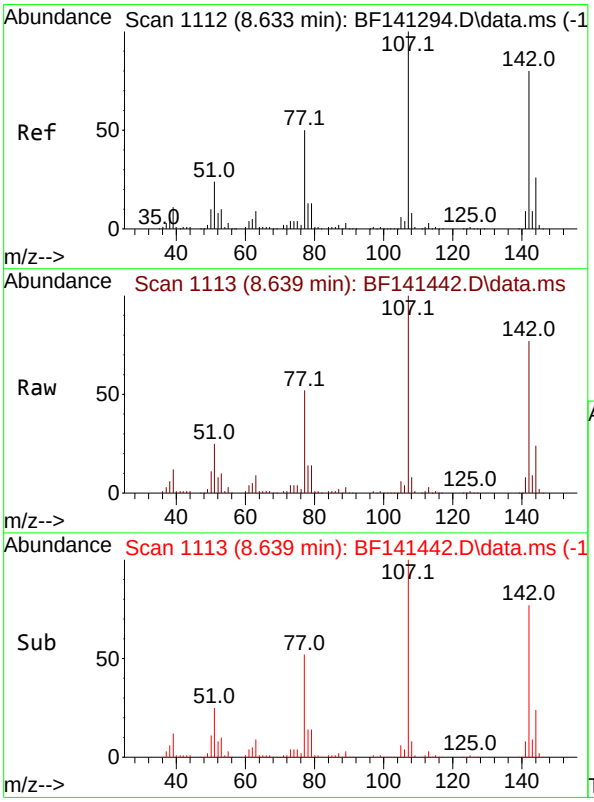
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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Supervised By :mohammad ahmed

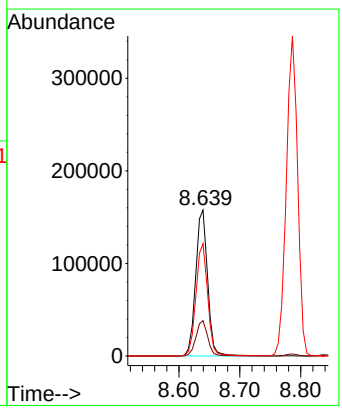
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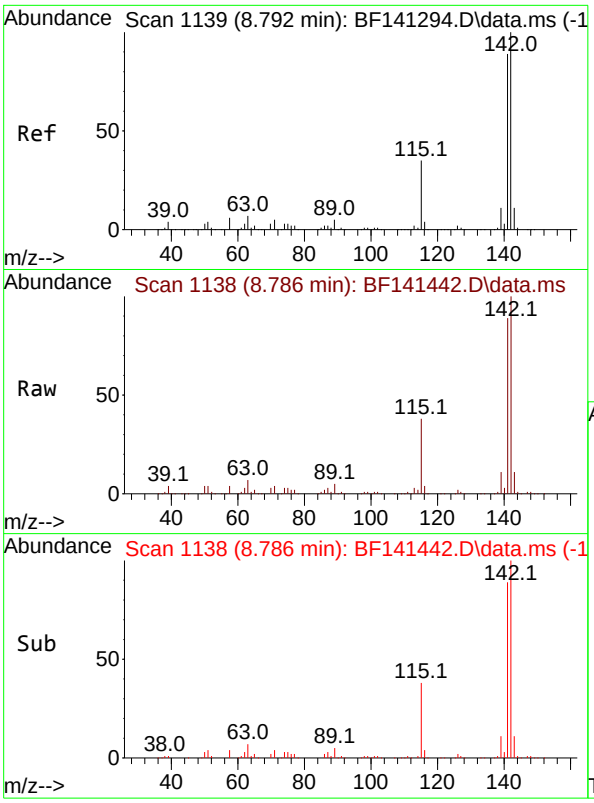


#36
4-Chloro-3-methylphenol
Concen: 50.702 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:107 Resp: 214446

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.7	31.1
142	77.0	63.8	95.8

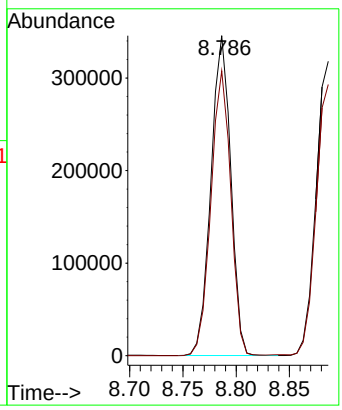




#37
2-Methylnaphthalene
Concen: 48.723 ng
RT: 8.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:142 Resp: 44651

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9



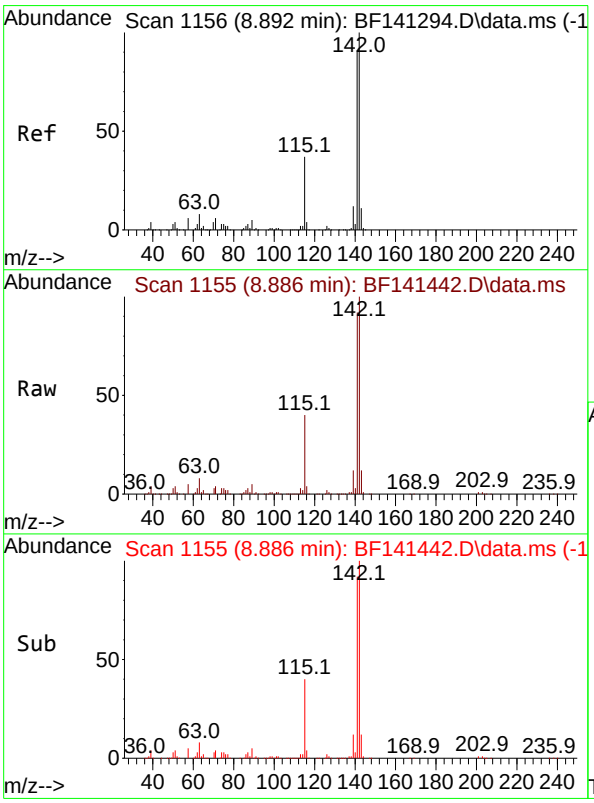
Instrument :
BNA_F
ClientSampleId :
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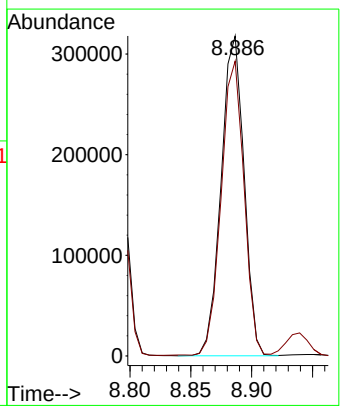
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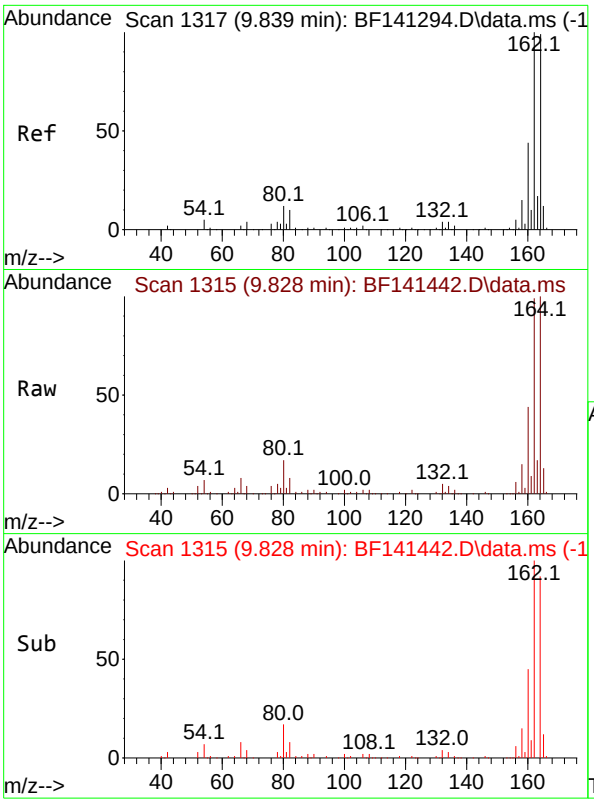


#38
1-Methylnaphthalene
Concen: 46.203 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:142 Resp: 415934

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.2	109.8

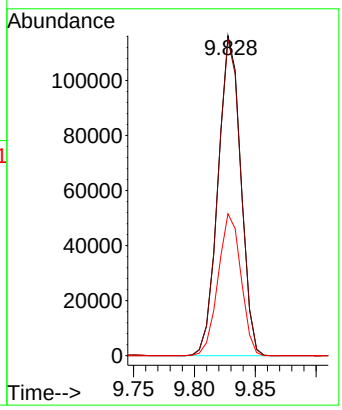




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:164 Resp: 15080

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.6	121.0
160	44.4	35.8	53.6



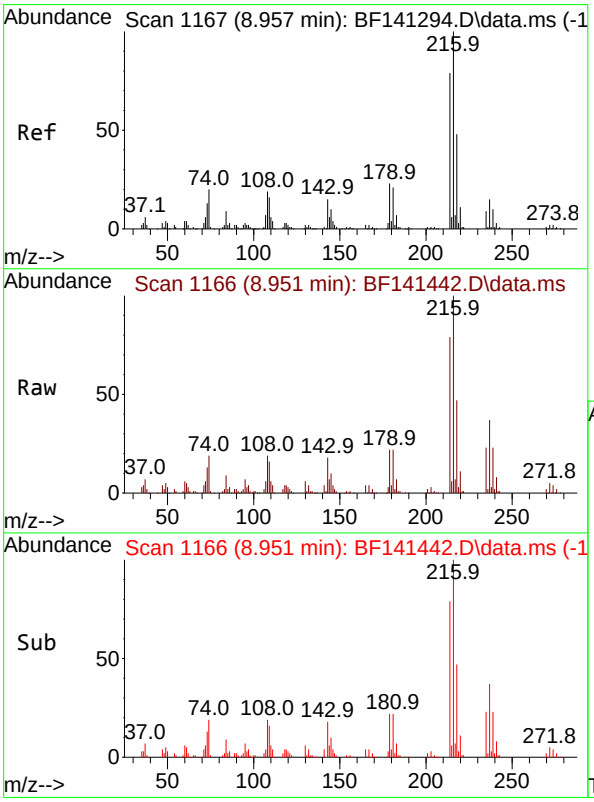
Instrument :
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ClientSampleId :
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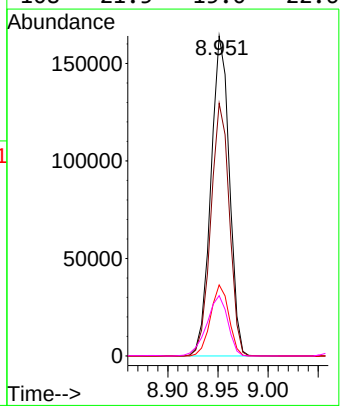
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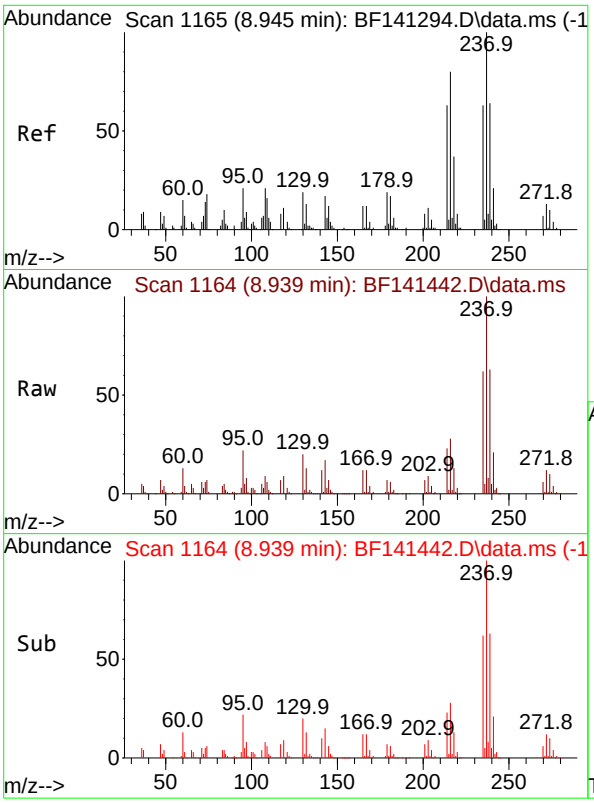


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.087 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:216 Resp: 210589

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.0	17.8	26.8
108	21.5	15.0	22.6

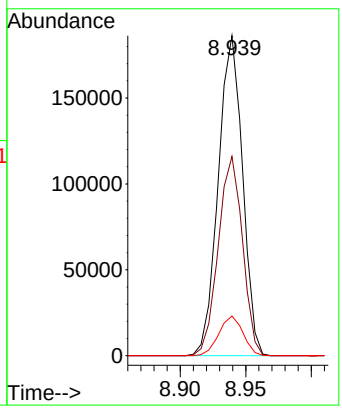




#41
Hexachlorocyclopentadiene
Concen: 189.249 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:237 Resp: 23977

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.9	82.9
272	12.4	0.0	32.8



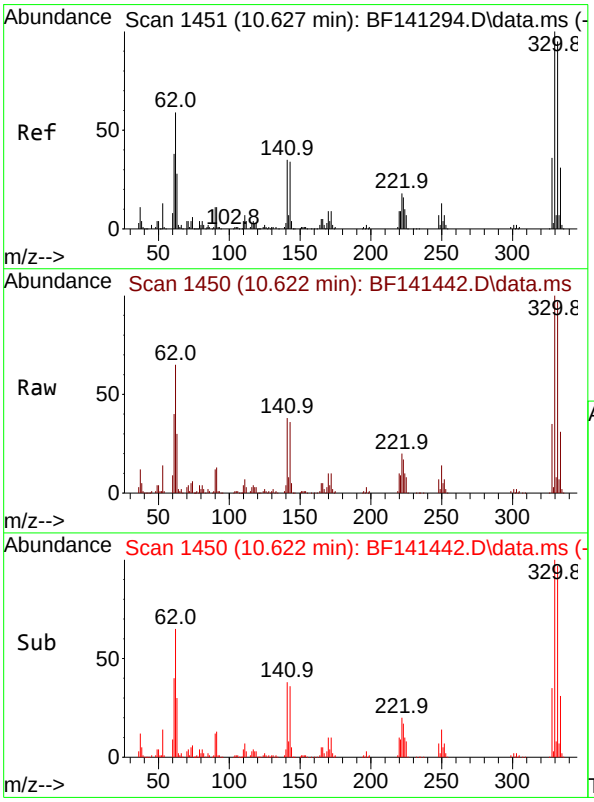
Instrument :
BNA_F
ClientSampleId :
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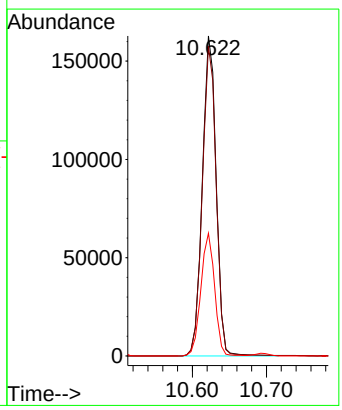
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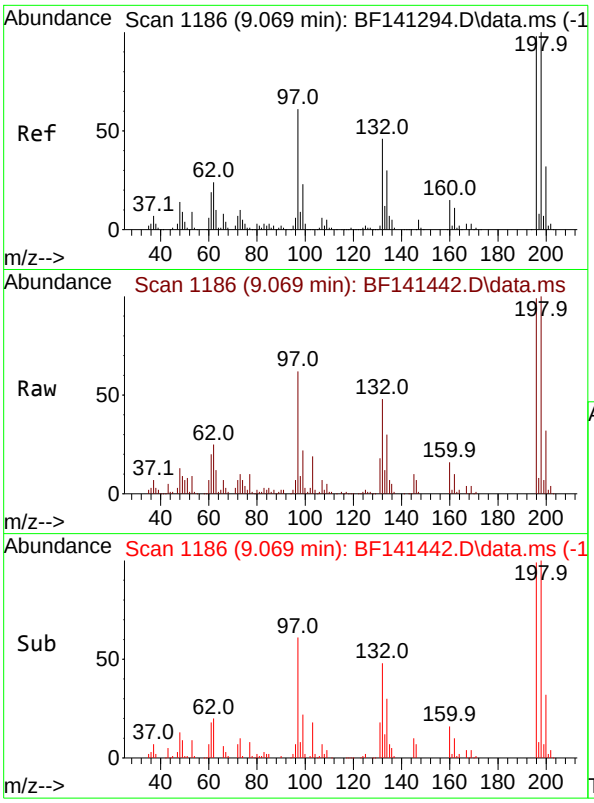


#42
2,4,6-Tribromophenol
Concen: 152.483 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:330 Resp: 210807

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.1	114.1
141	38.2	28.8	43.2

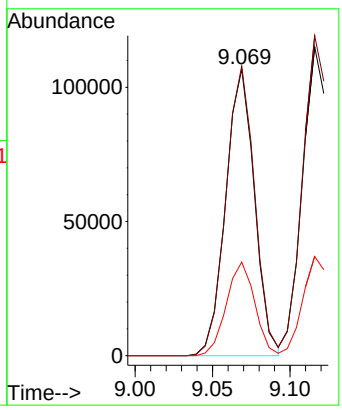




#43
2,4,6-Trichlorophenol
Concen: 49.041 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:196 Resp: 13771

Ion	Ratio	Lower	Upper
196	100		
198	101.1	81.8	122.6
200	32.7	26.3	39.5



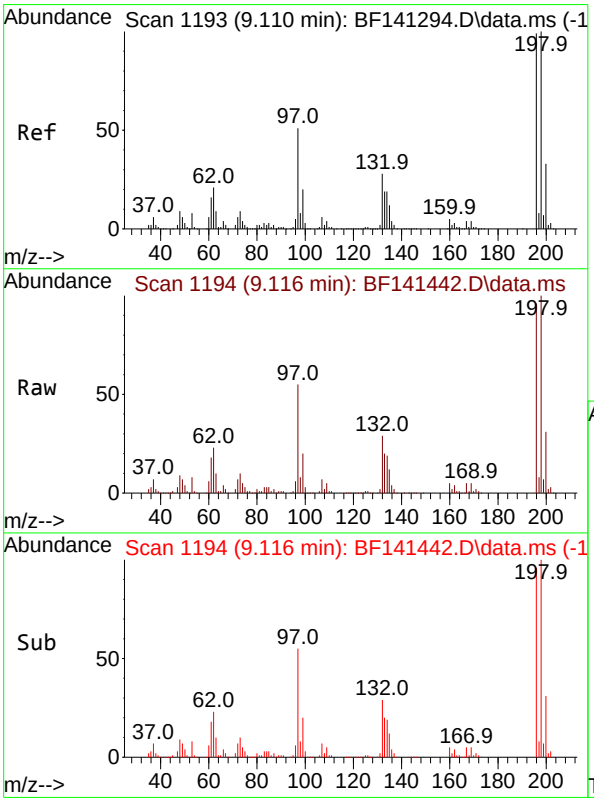
Instrument :
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ClientSampleId :
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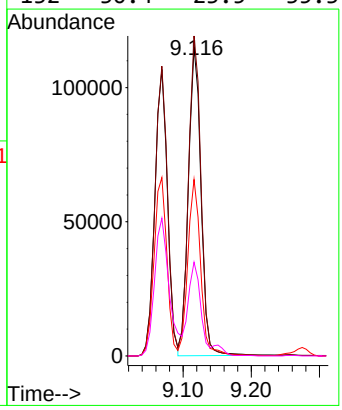
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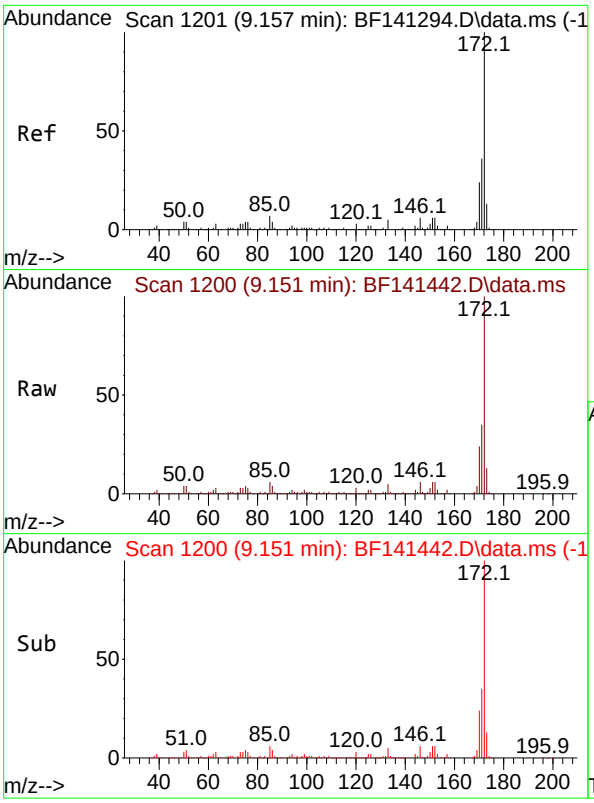


#44
2,4,5-Trichlorophenol
Concen: 48.031 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:196 Resp: 146793

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
97	57.1	42.8	64.2
132	30.4	23.5	35.3

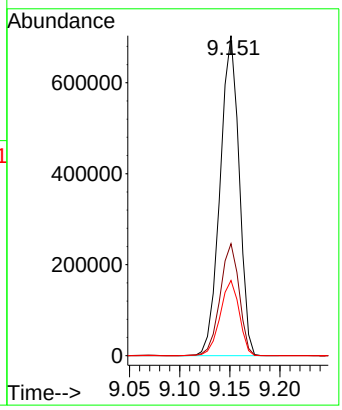




#45
2-Fluorobiphenyl
Concen: 94.571 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:172 Resp: 92655

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.5	19.0	28.6



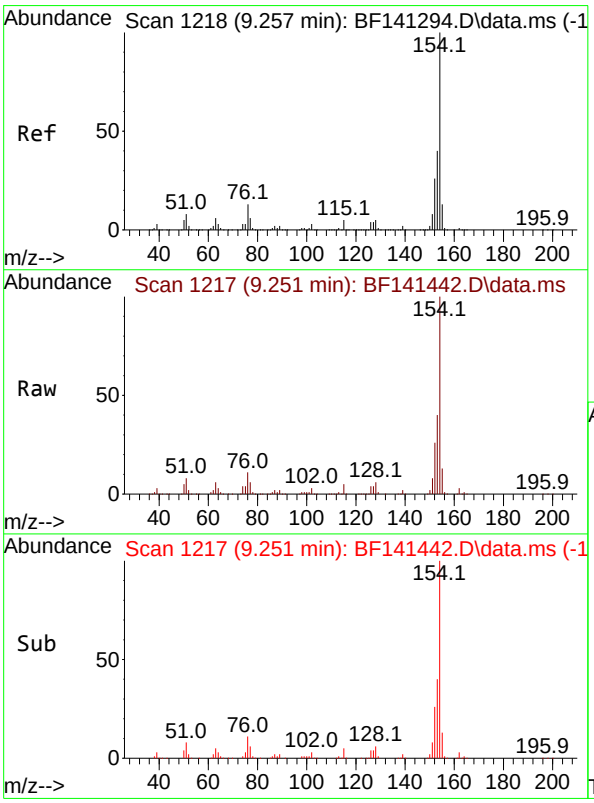
Instrument :
BNA_F
ClientSampleId :
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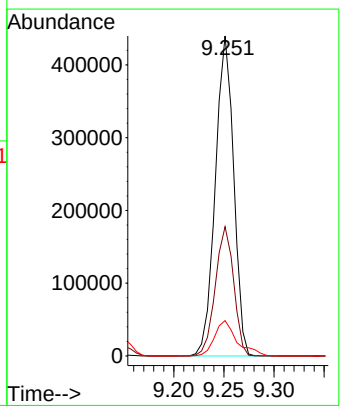
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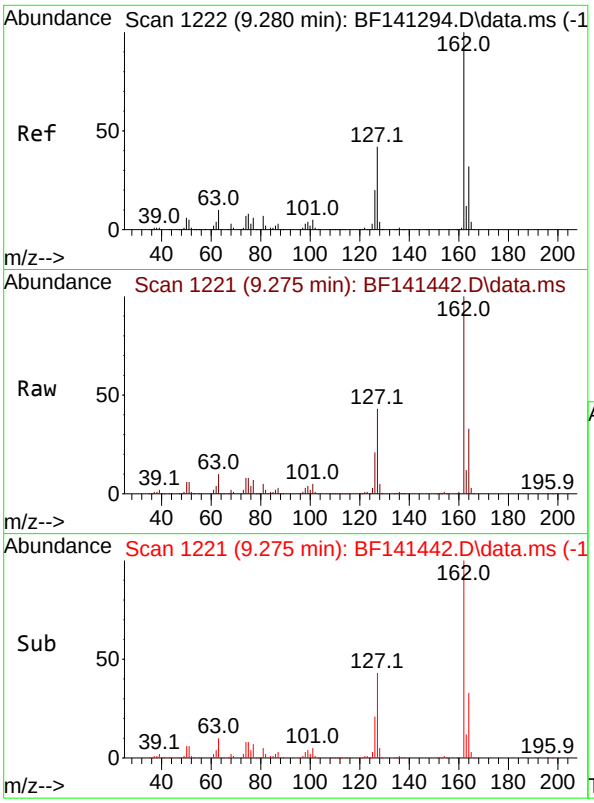


#46
1,1'-Biphenyl
Concen: 47.512 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:154 Resp: 558776

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.0	60.0
76	11.1	0.0	32.8

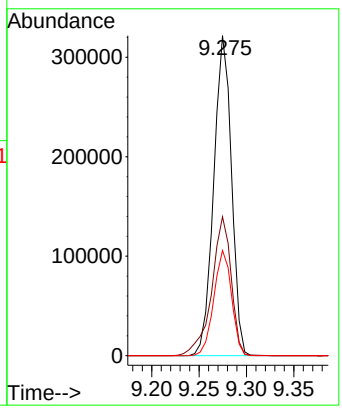




#47
2-Chloronaphthalene
Concen: 45.853 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:162 Resp: 42032

Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.7	50.5
164	32.9	25.9	38.9



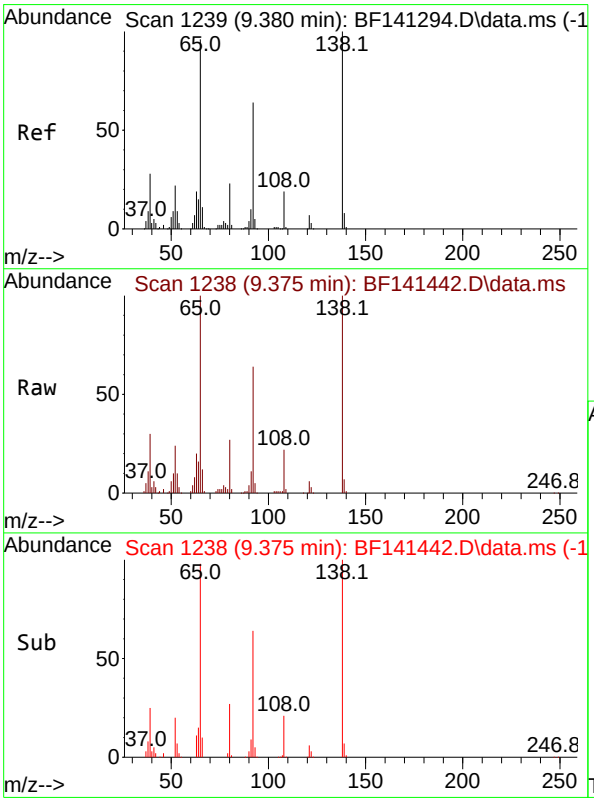
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ClientSampleId :
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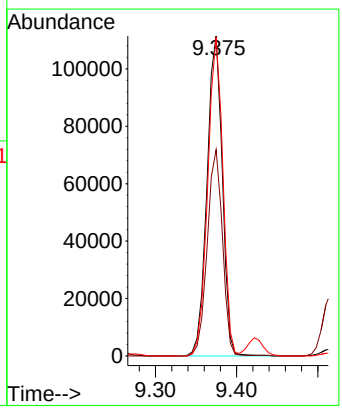
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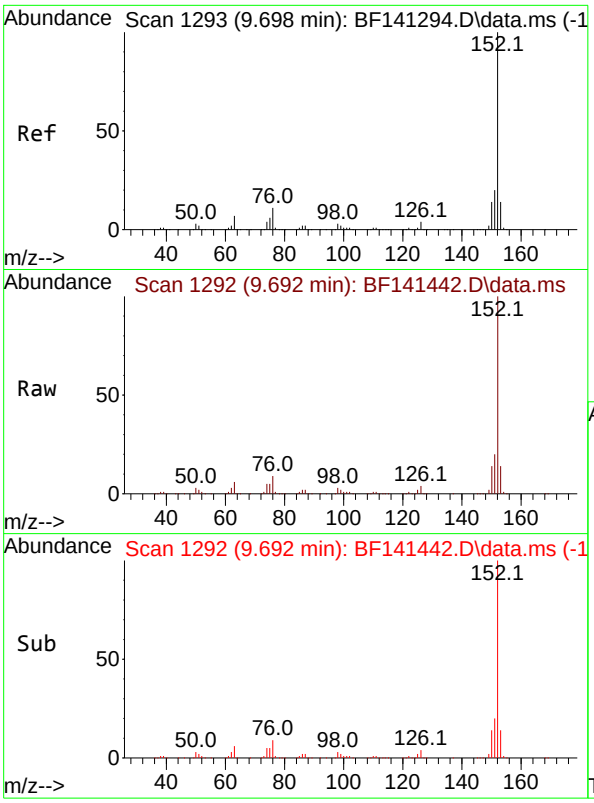


#48
2-Nitroaniline
Concen: 50.584 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 65 Resp: 145851

Ion	Ratio	Lower	Upper
65	100		
92	64.5	53.3	79.9
138	99.6	83.6	125.4

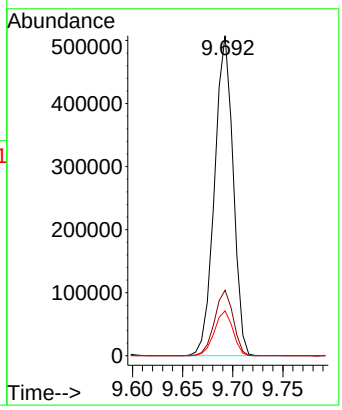




#49
Acenaphthylene
Concen: 50.826 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:152 Resp: 65219

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	14.0	11.0	16.6



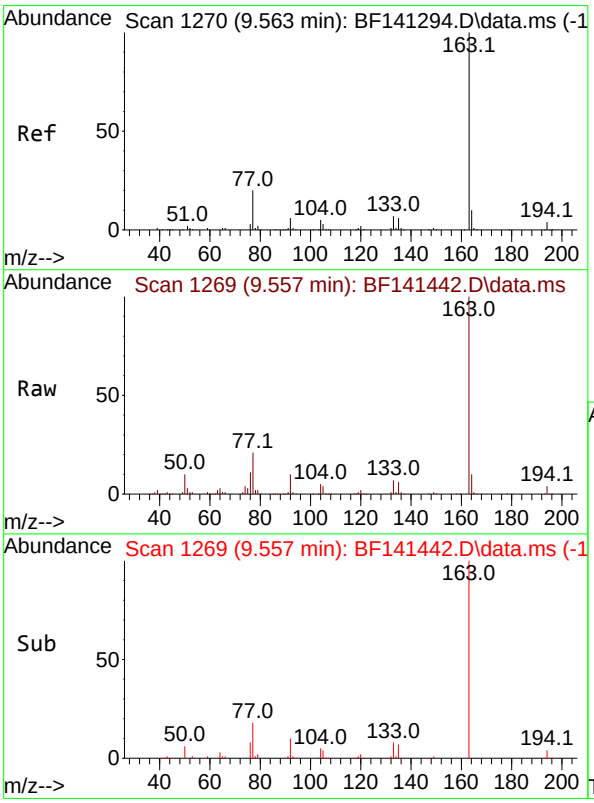
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ClientSampleId :
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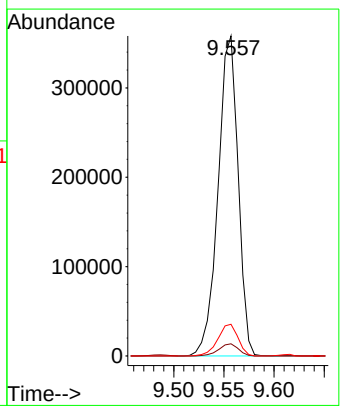
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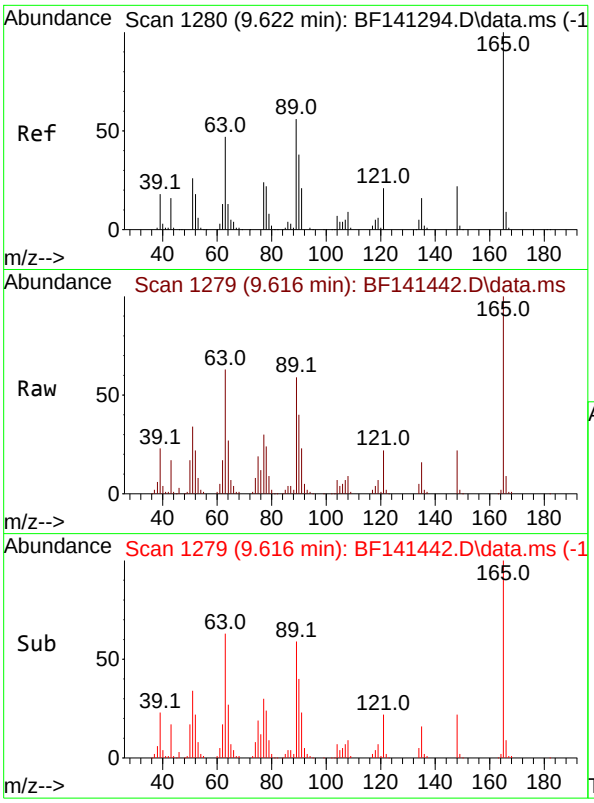


#50
Dimethylphthalate
Concen: 48.735 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:163 Resp: 496367

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.9	8.0	12.0

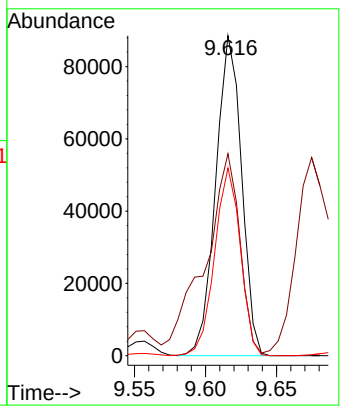




#51
2,6-Dinitrotoluene
Concen: 47.316 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:165 Resp: 11189

Ion	Ratio	Lower	Upper
165	100		
63	63.1	48.1	72.1
89	58.7	44.9	67.3



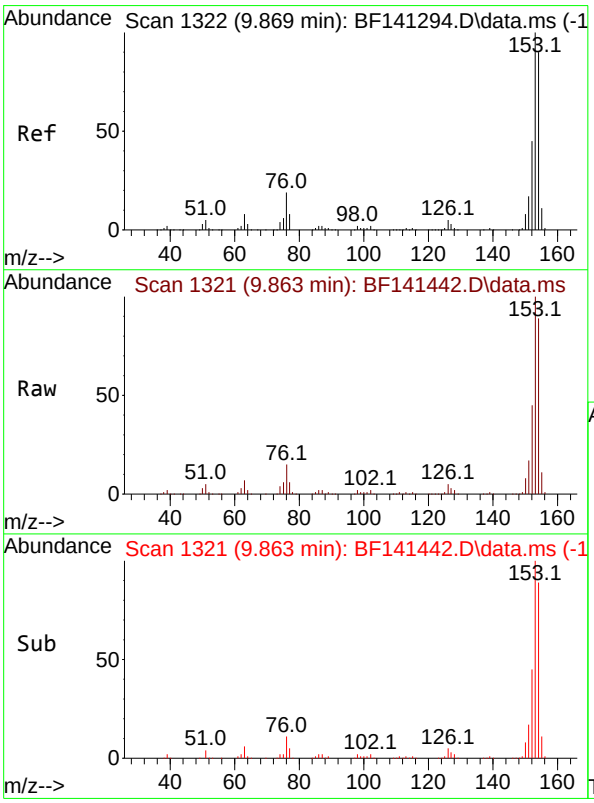
Instrument :
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ClientSampleId :
PB166339BS

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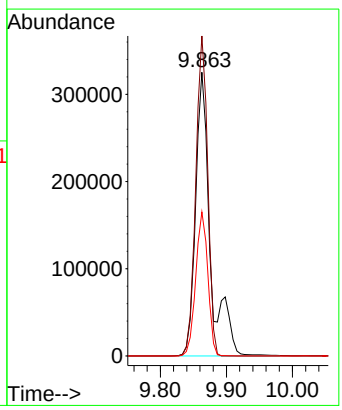
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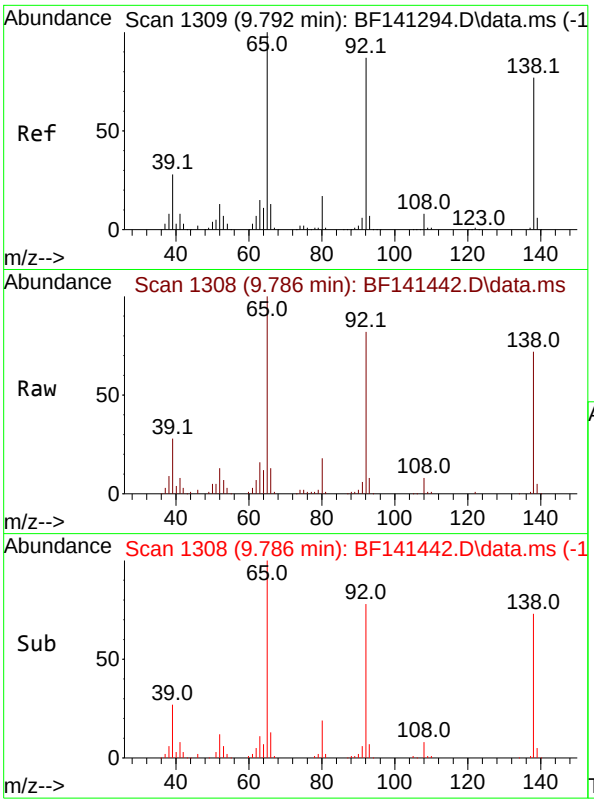


#52
Acenaphthene
Concen: 55.091 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:154 Resp: 505025

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.0	133.4
152	50.8	40.2	60.4

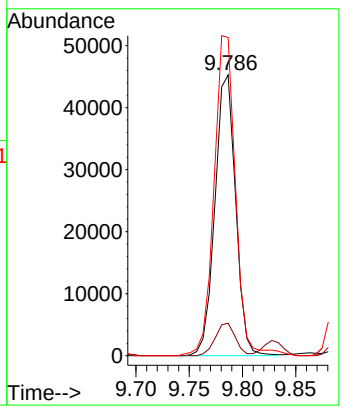




#53
3-Nitroaniline
Concen: 26.352 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:138 Resp: 6107

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.6	12.8
92	113.4	91.0	136.6



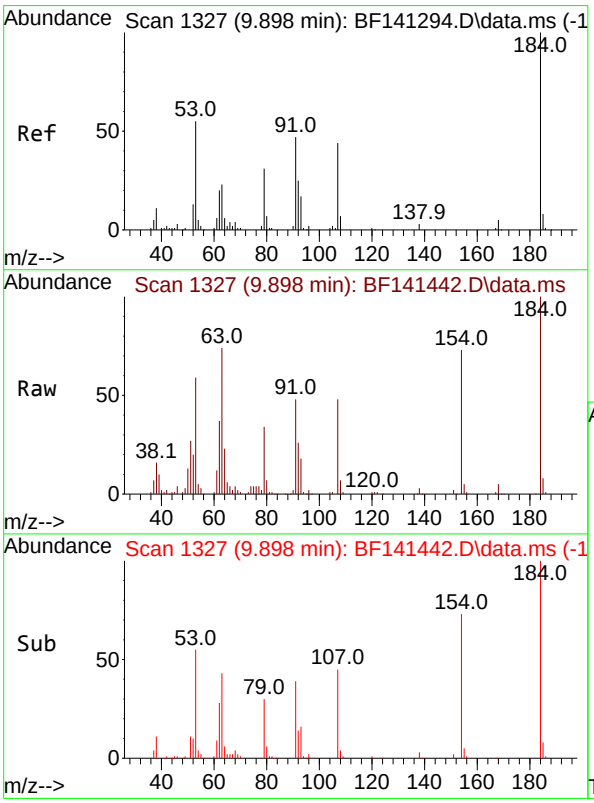
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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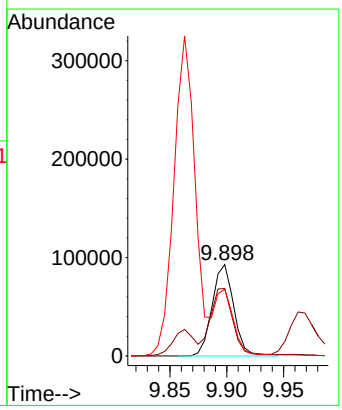
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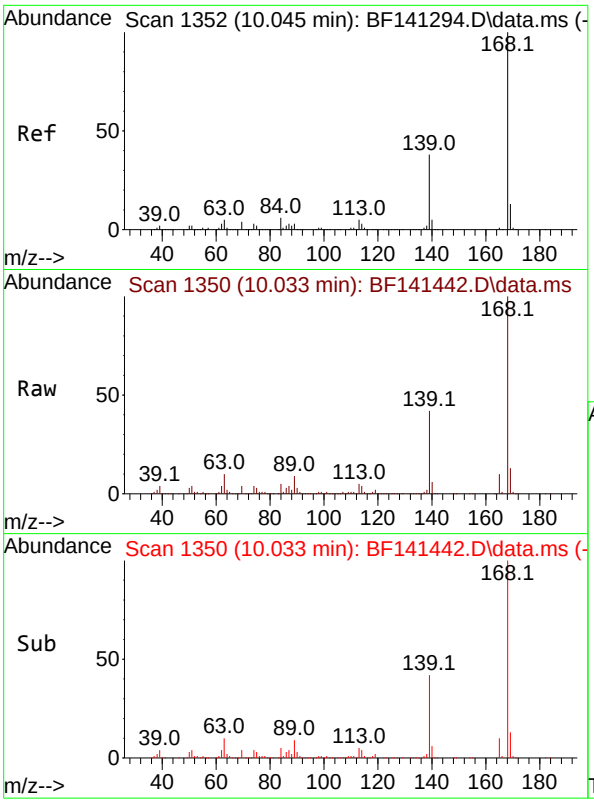


#54
2,4-Dinitrophenol
Concen: 112.642 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:184 Resp: 123829

Ion	Ratio	Lower	Upper
184	100		
63	73.8	54.1	81.1
154	73.0	50.7	76.1

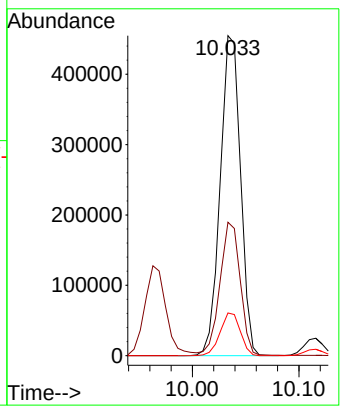




#55
Dibenzofuran
Concen: 49.043 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:168 Resp: 60179

Ion	Ratio	Lower	Upper
168	100		
139	41.7	30.6	46.0
169	13.4	10.8	16.2



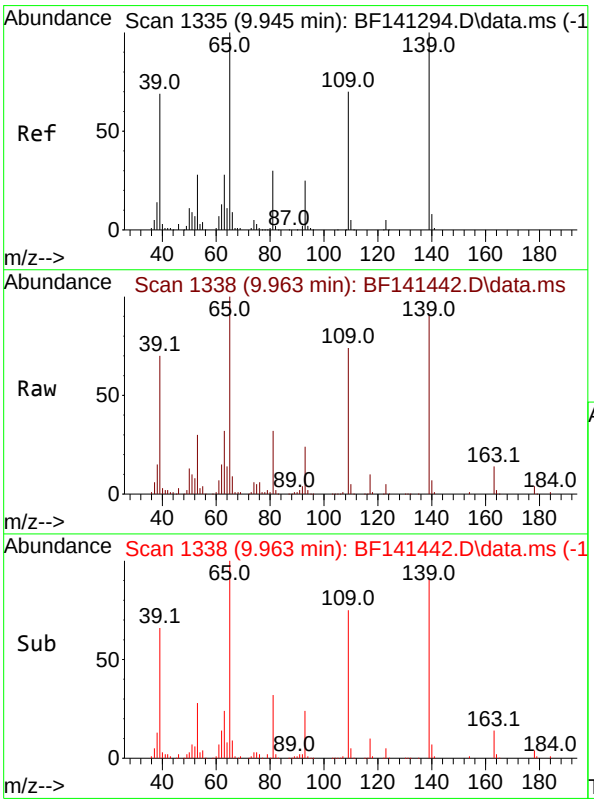
Instrument :
BNA_F
ClientSampleId :
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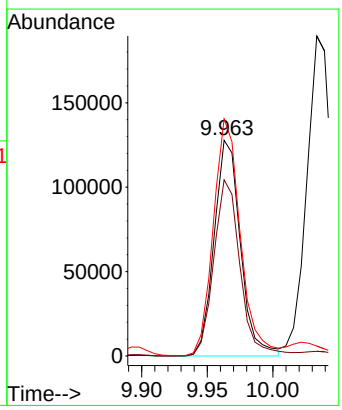
02/06/2025

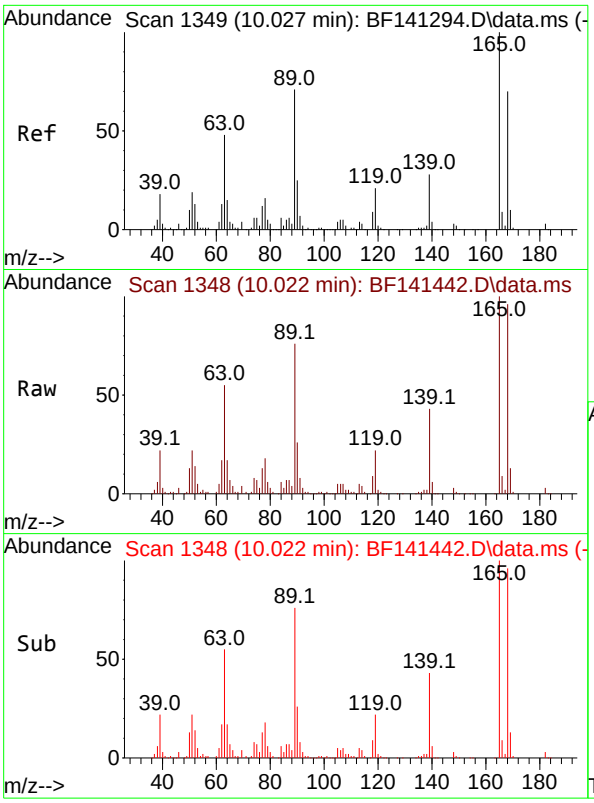


#56
4-Nitrophenol
Concen: 105.019 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:139 Resp: 178017

Ion	Ratio	Lower	Upper
139	100		
109	81.7	50.2	90.2
65	110.0	80.6	120.6

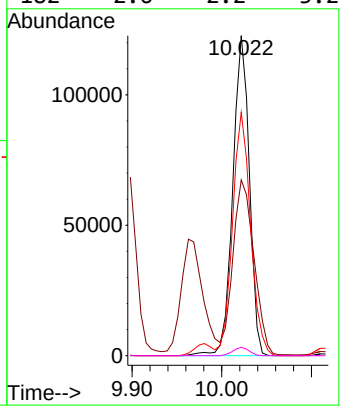




#57
2,4-Dinitrotoluene
Concen: 51.247 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:165 Resp: 15690

Ion	Ratio	Lower	Upper
165	100		
63	55.0	39.2	58.8
89	76.1	56.9	85.3
182	2.6	2.2	3.2



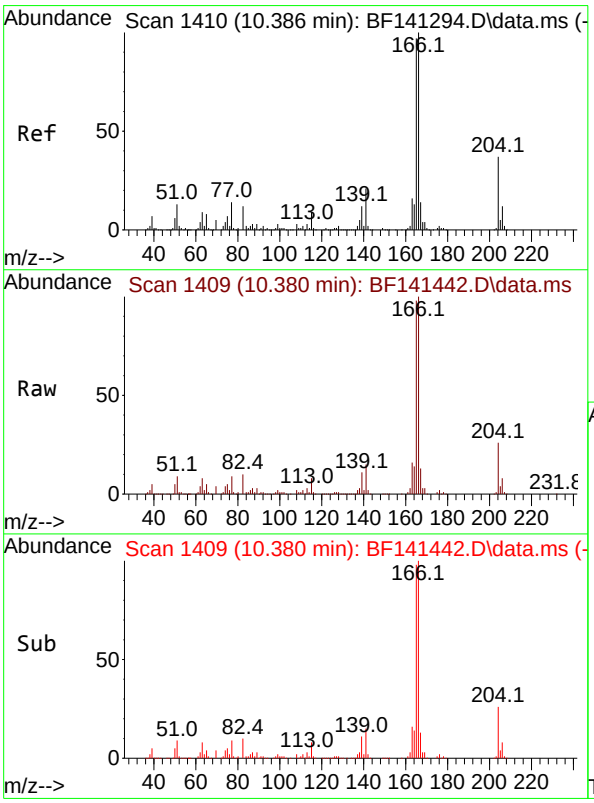
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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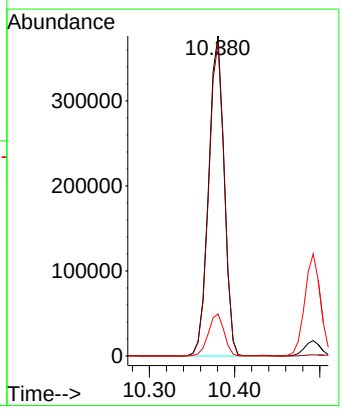
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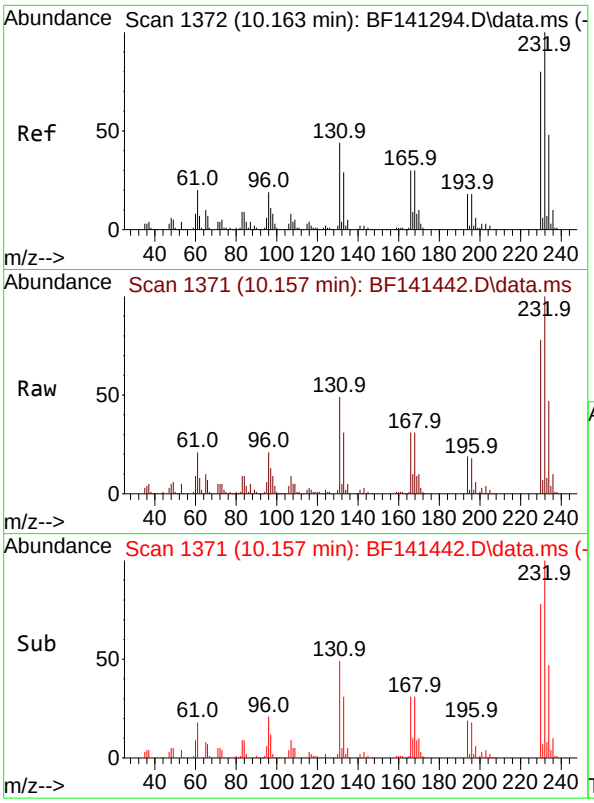


#58
Fluorene
Concen: 50.423 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:166 Resp: 479929

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.5	116.3
167	13.1	10.9	16.3

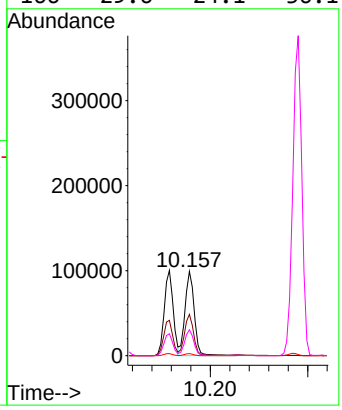




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.393 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:232 Resp: 13078

Ion	Ratio	Lower	Upper
232	100		
131	48.1	36.4	54.6
130	2.4	1.9	2.9
166	29.6	24.1	36.1



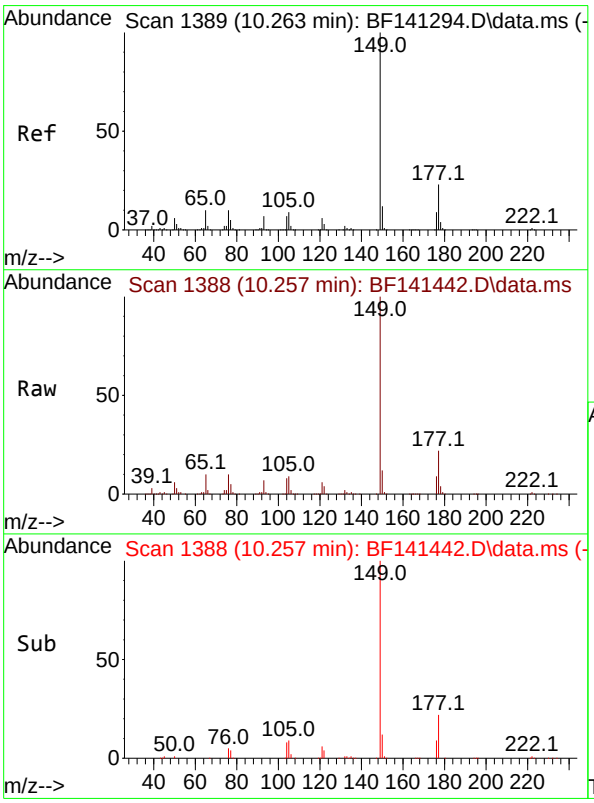
Instrument :
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ClientSampleId :
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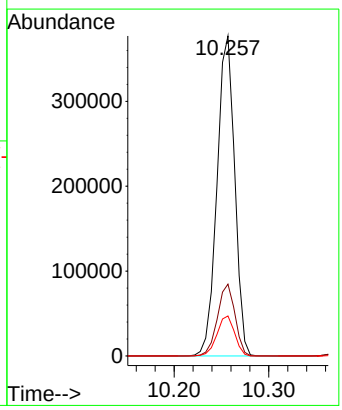
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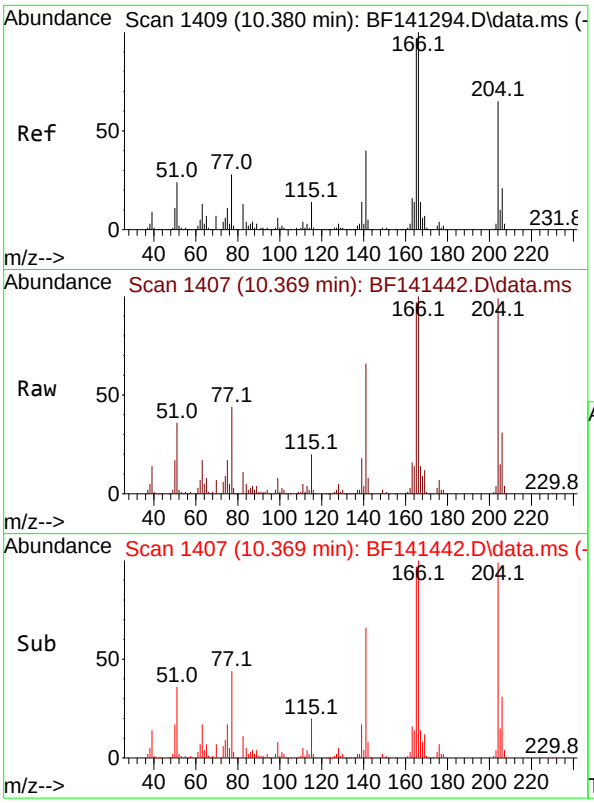


#60
Diethylphthalate
Concen: 49.719 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 490998

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.5	27.7
150	12.5	10.0	15.0

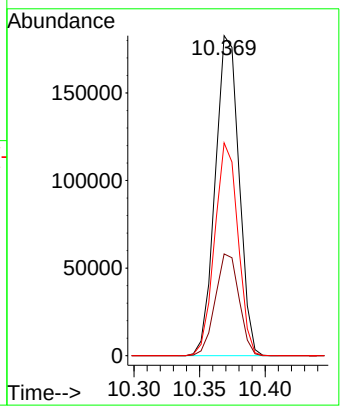




#61
4-Chlorophenyl-phenylether
Concen: 49.550 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:204 Resp: 23037

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.9	38.9
141	66.5	49.5	74.3



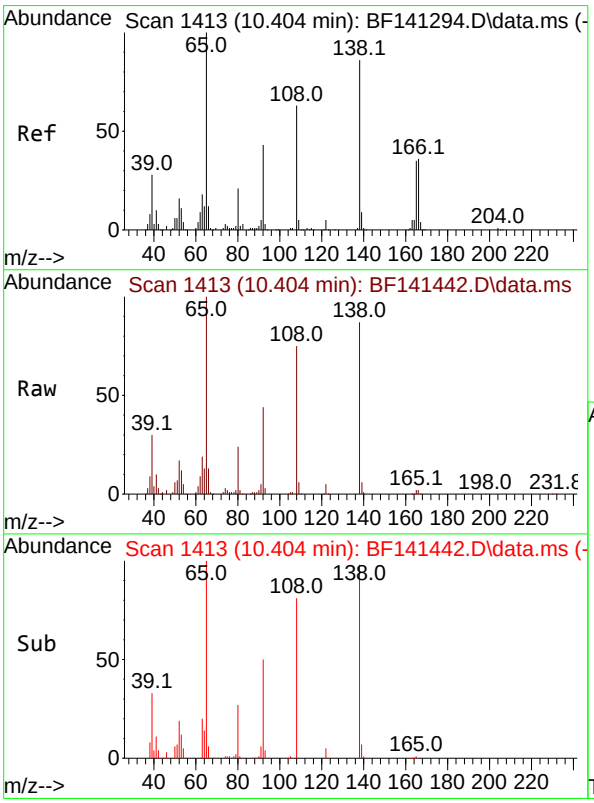
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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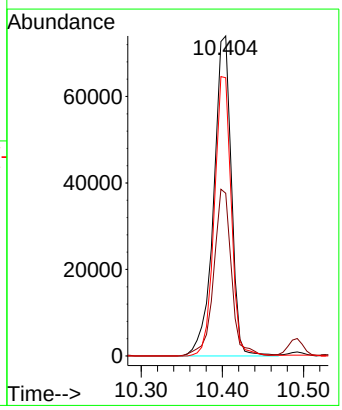
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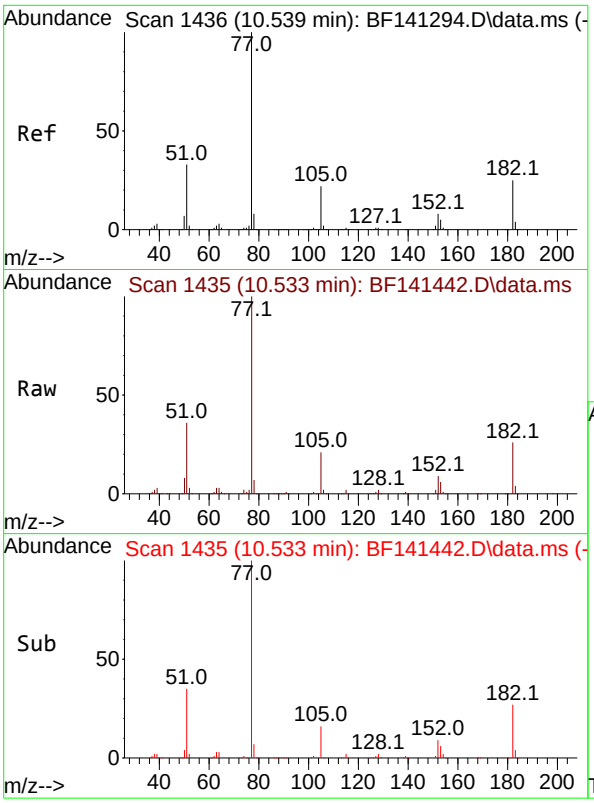


#62
4-Nitroaniline
Concen: 49.323 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:138 Resp: 112393

Ion	Ratio	Lower	Upper
138	100		
92	50.9	30.1	70.1
108	86.9	53.1	93.1

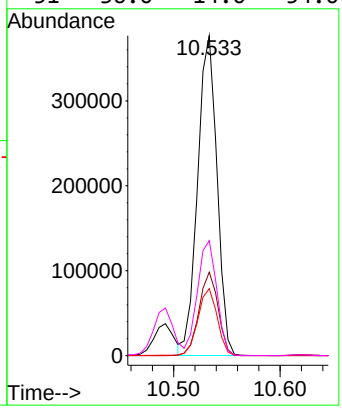




#63
Azobenzene
Concen: 48.358 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 77 Resp: 47803

Ion	Ratio	Lower	Upper
77	100		
182	26.1	5.1	45.1
105	20.9	1.8	41.8
51	36.0	14.0	54.0



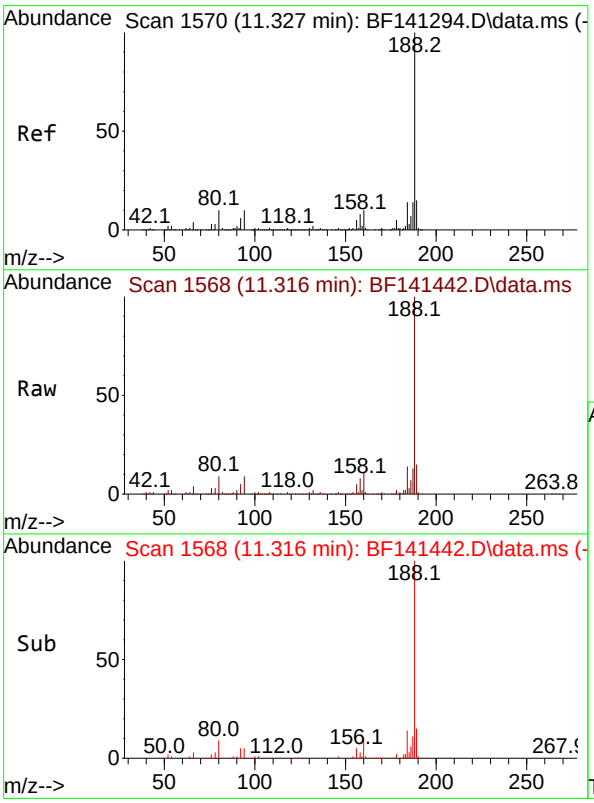
Instrument :
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ClientSampleId :
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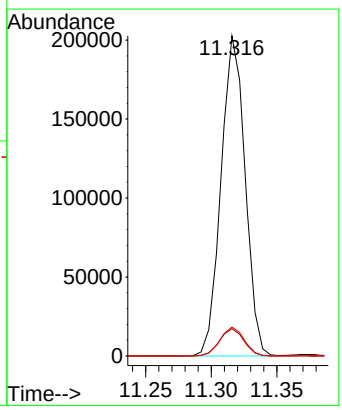
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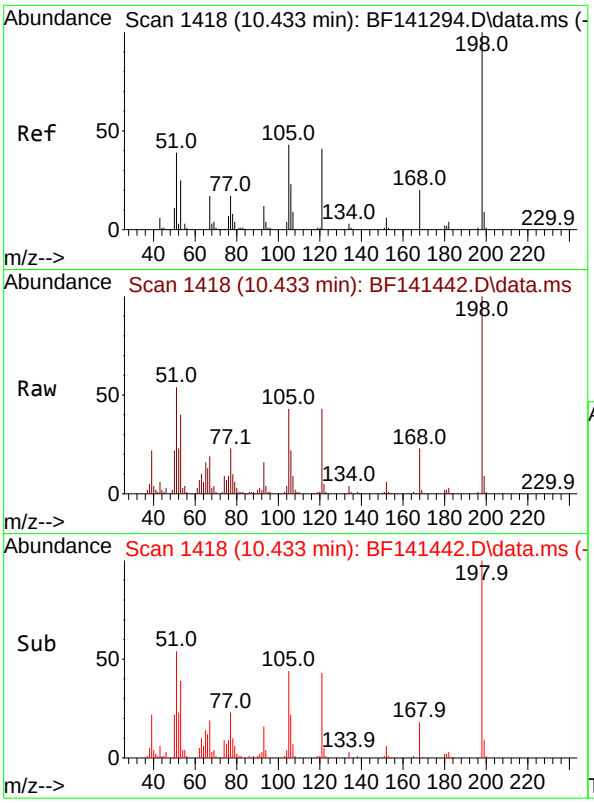


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:188 Resp: 258651

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.8	11.6
80	9.0	8.2	12.4

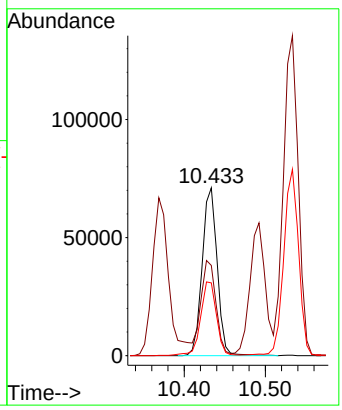




#65
4,6-Dinitro-2-methylphenol
Concen: 59.527 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:198 Resp: 9107

Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.4	73.4
105	43.4	24.4	64.4



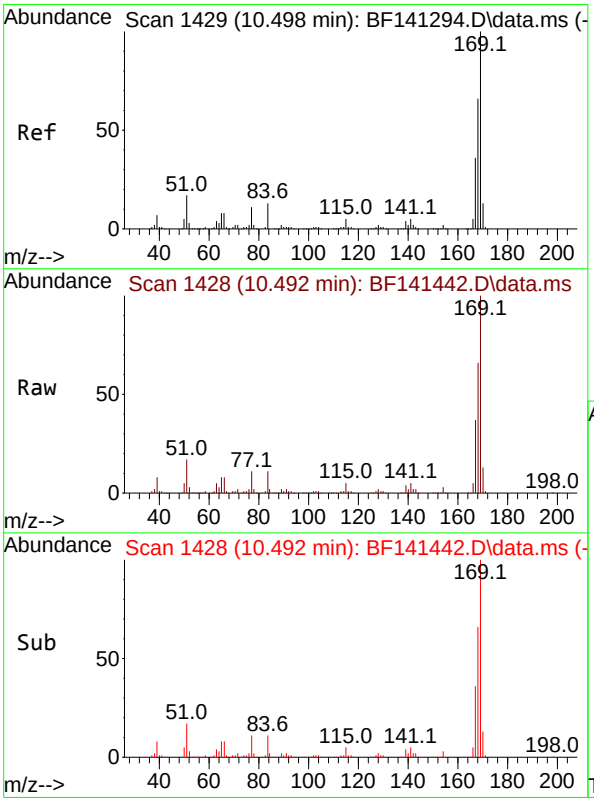
Instrument :
BNA_F
ClientSampleId :
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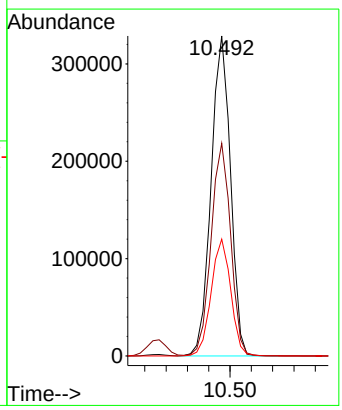
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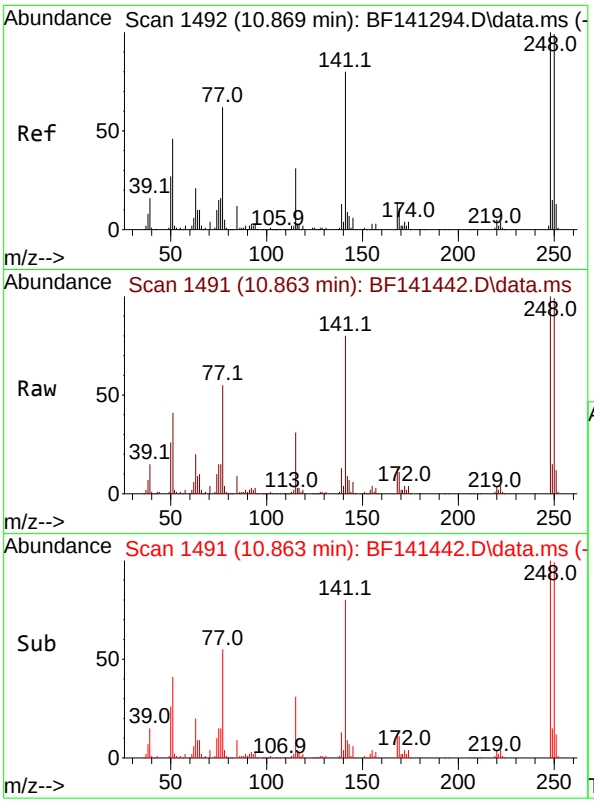


#66
n-Nitrosodiphenylamine
Concen: 49.492 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:169 Resp: 414035

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.5	28.8	43.2

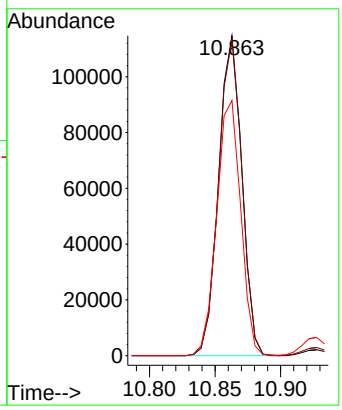




#67
4-Bromophenyl-phenylether
Concen: 48.874 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:248 Resp: 14152

Ion	Ratio	Lower	Upper
248	100		
250	98.8	79.0	118.4
141	79.7	63.7	95.5



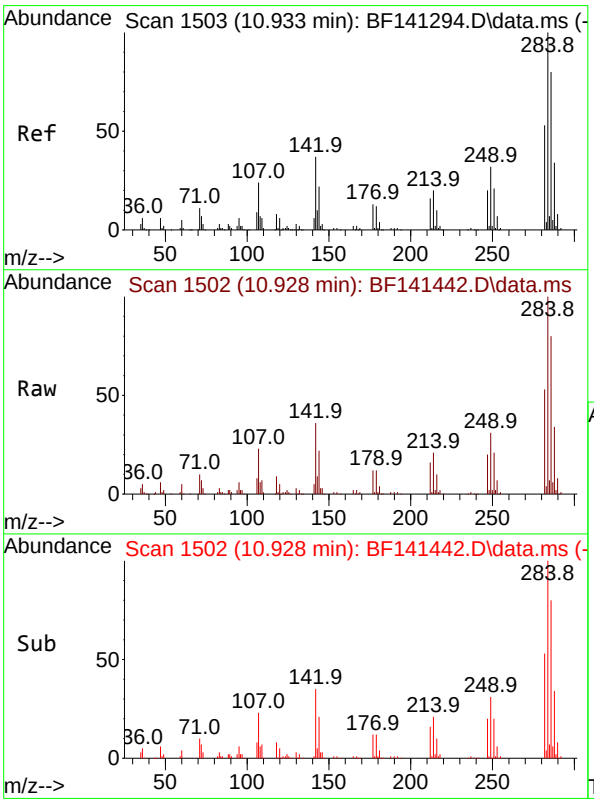
Instrument :
BNA_F
ClientSampleId :
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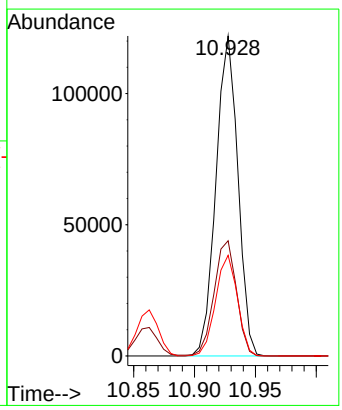
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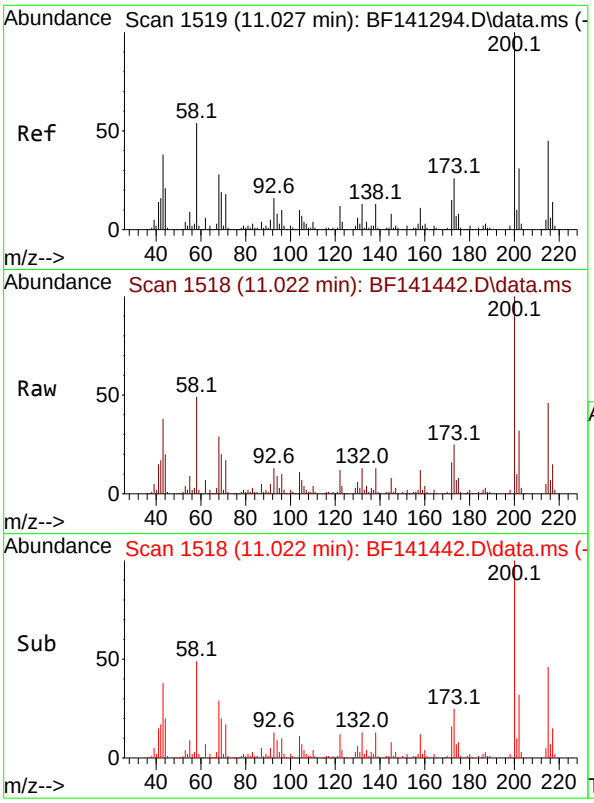


#68
Hexachlorobenzene
Concen: 49.706 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:284 Resp: 152677

Ion	Ratio	Lower	Upper
284	100		
142	36.0	29.5	44.3
249	31.5	25.4	38.2

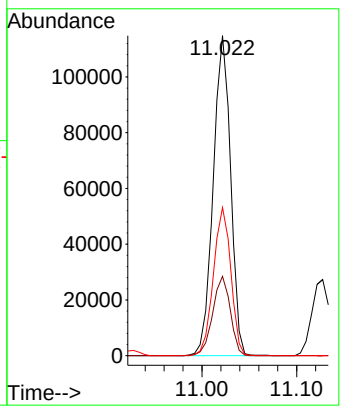




#69
Atrazine
Concen: 52.298 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:200 Resp: 14628

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.9	45.9
215	46.3	25.2	65.2



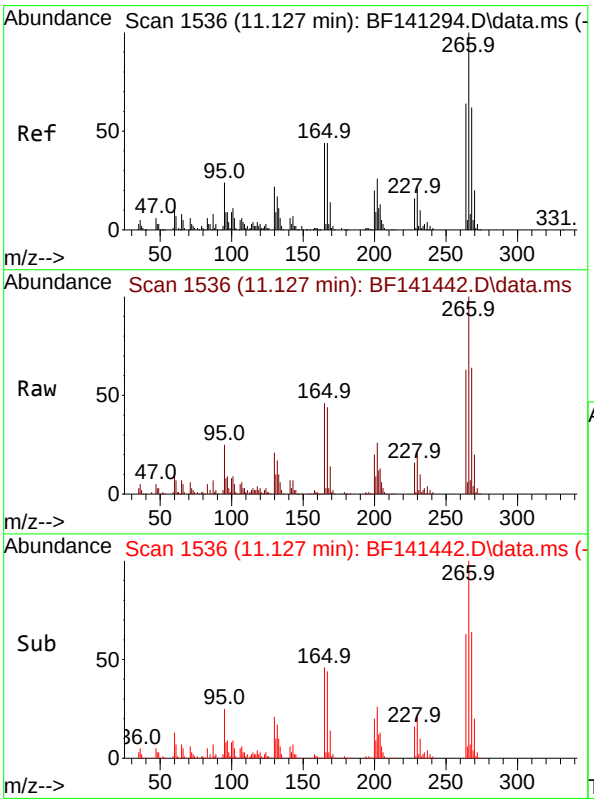
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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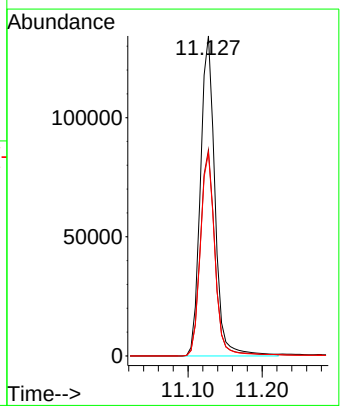
02/06/2025

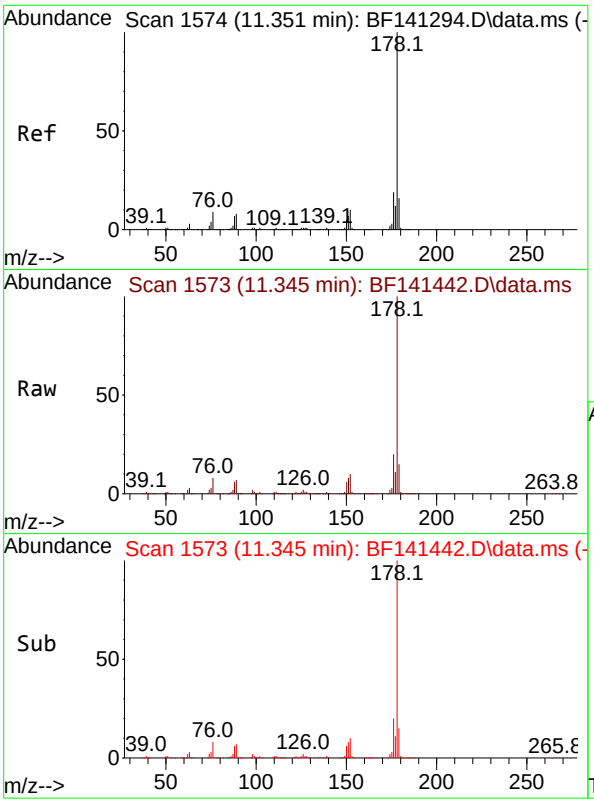


#70
Pentachlorophenol
Concen: 101.707 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:266 Resp: 182937

Ion	Ratio	Lower	Upper
266	100		
268	64.4	49.9	74.9
264	63.5	51.0	76.4

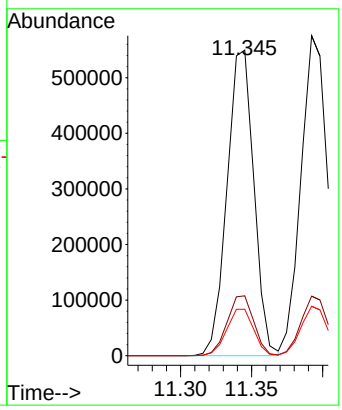




#71
Phenanthrene
Concen: 52.002 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:178 Resp: 72301

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.2	12.5	18.7



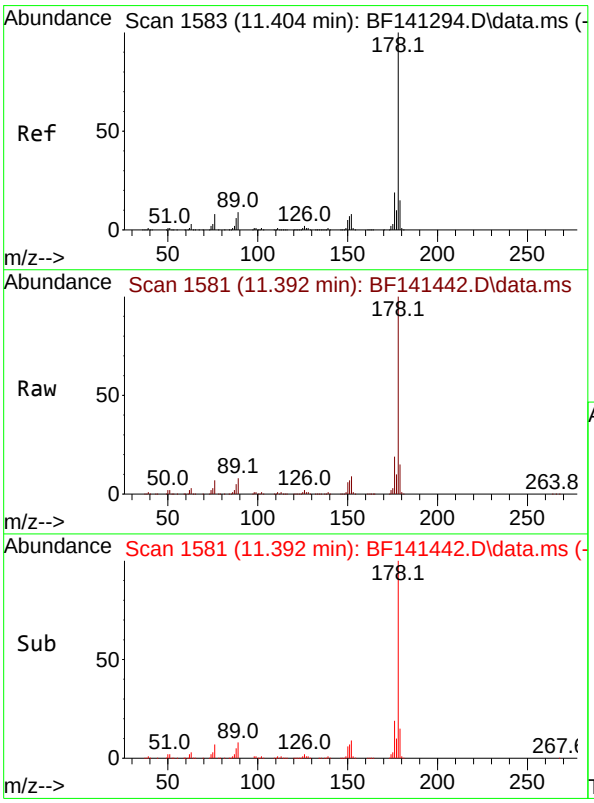
Instrument :
BNA_F
ClientSampleId :
PB166339BS

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Supervised By :mohammad ahmed

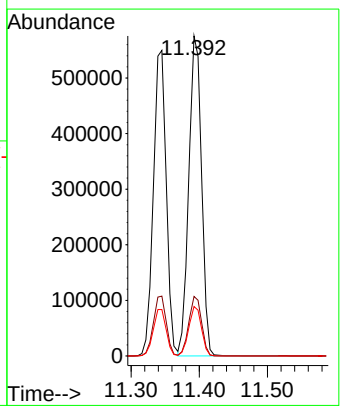
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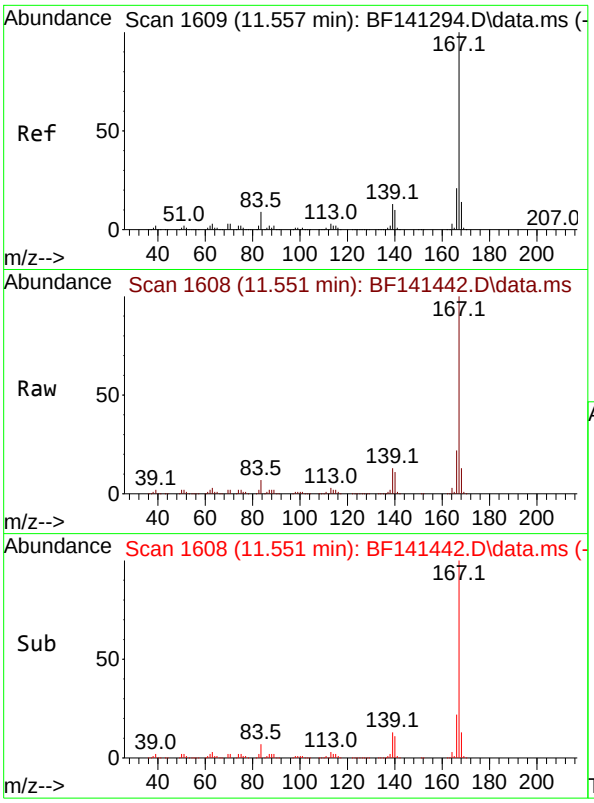


#72
Anthracene
Concen: 54.517 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:178 Resp: 742686

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.5	12.3	18.5

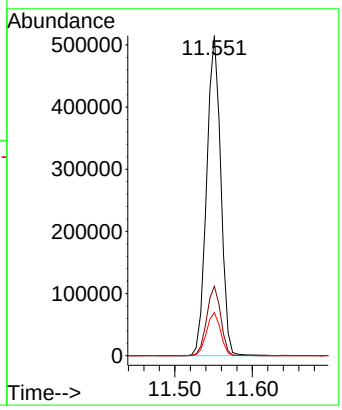




#73
Carbazole
Concen: 53.785 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:167 Resp: 64971

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.5	10.6	16.0



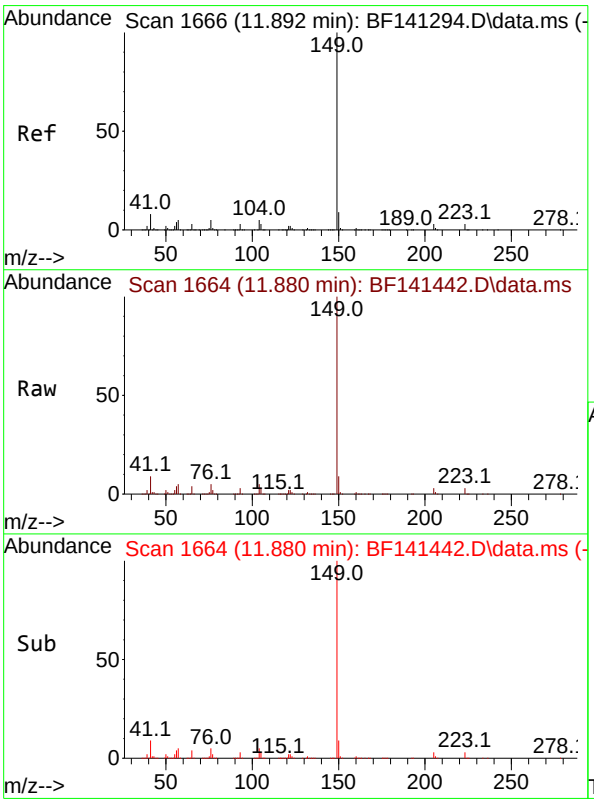
Instrument :
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ClientSampleId :
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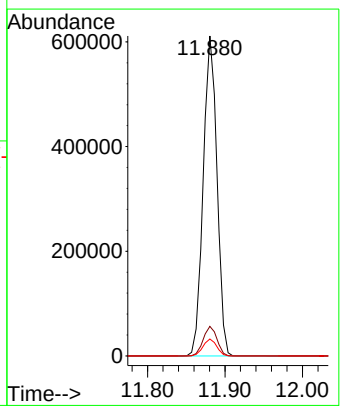
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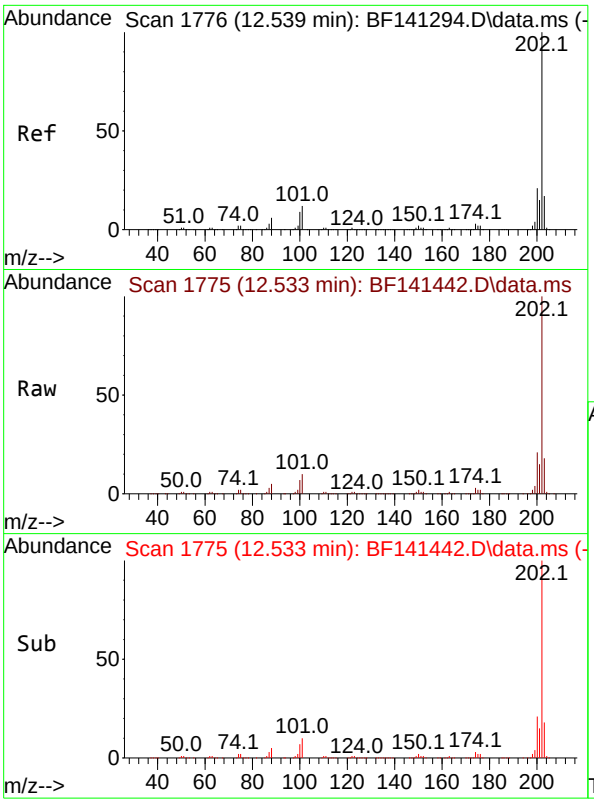


#74
Di-n-butylphthalate
Concen: 51.466 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 753424

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	3.9	5.9

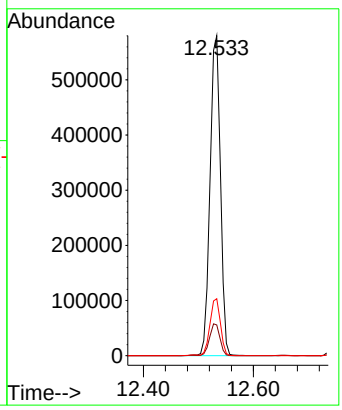




#75
Fluoranthene
Concen: 55.390 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:202 Resp: 76040

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.7
203	17.8	0.0	37.5



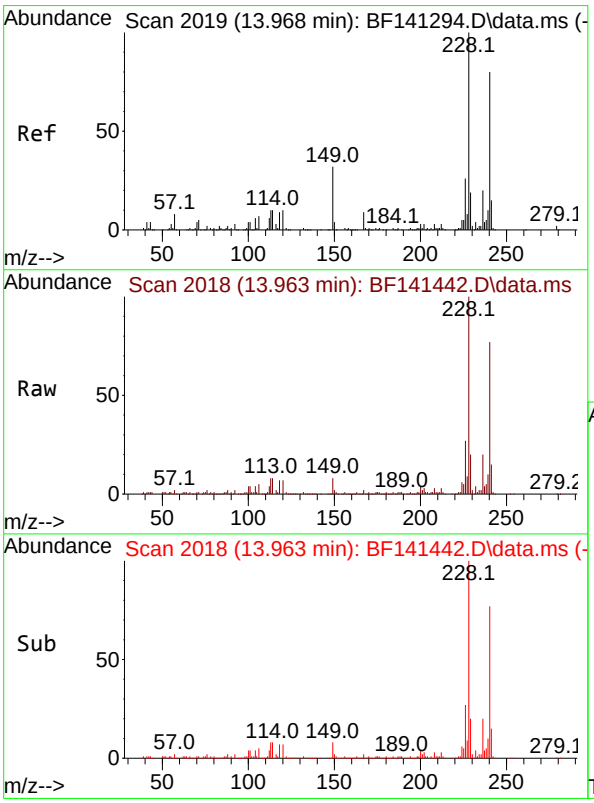
Instrument :
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ClientSampleId :
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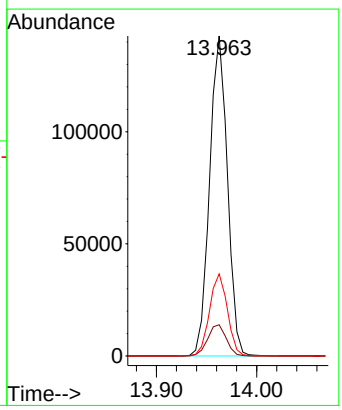
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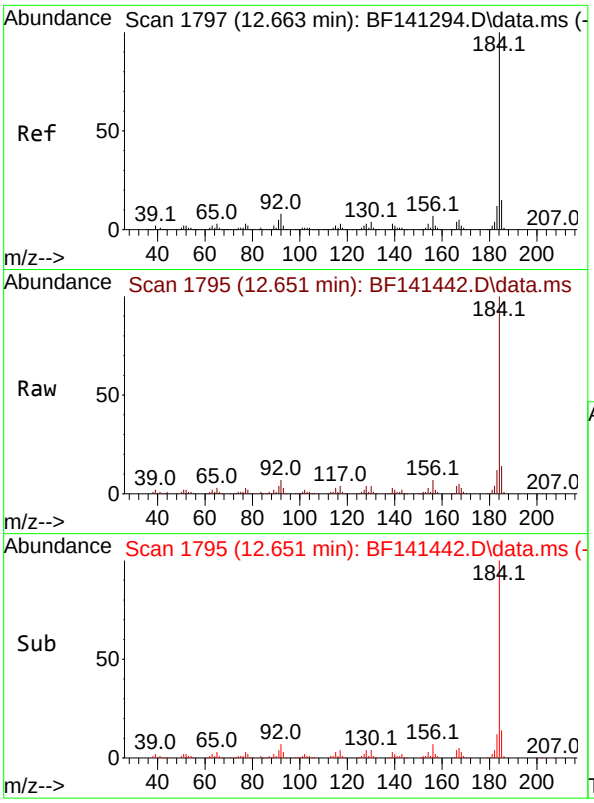


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:240 Resp: 176386

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.0	15.0#
236	25.7	19.7	29.5

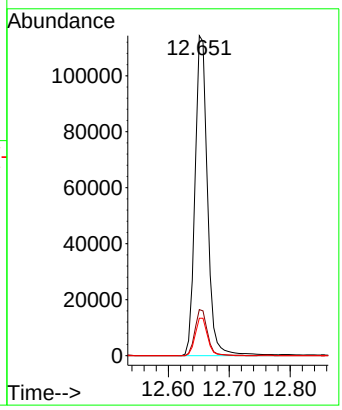




#77
Benzidine
Concen: 28.721 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:184 Resp: 16240

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	11.7	9.5	14.3



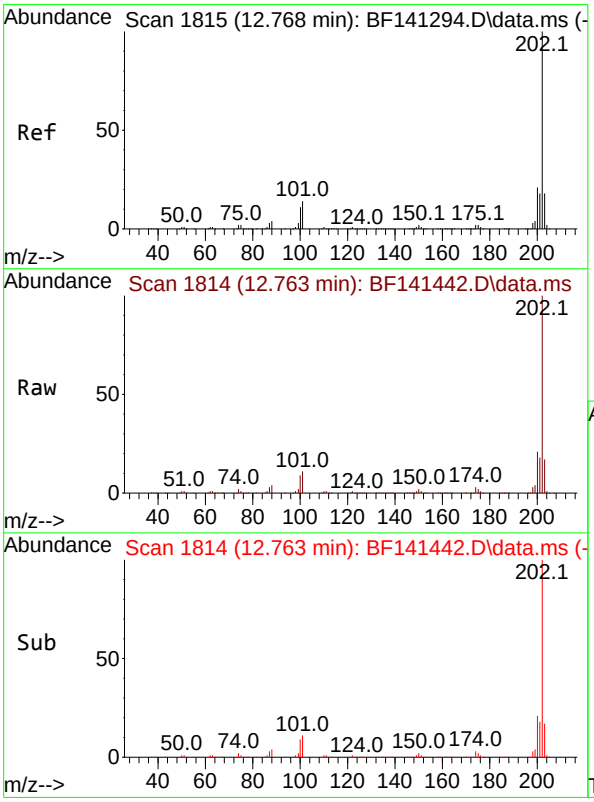
Instrument :
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ClientSampleId :
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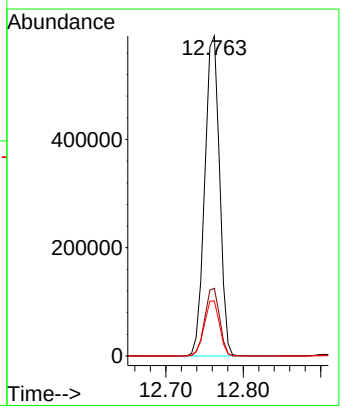
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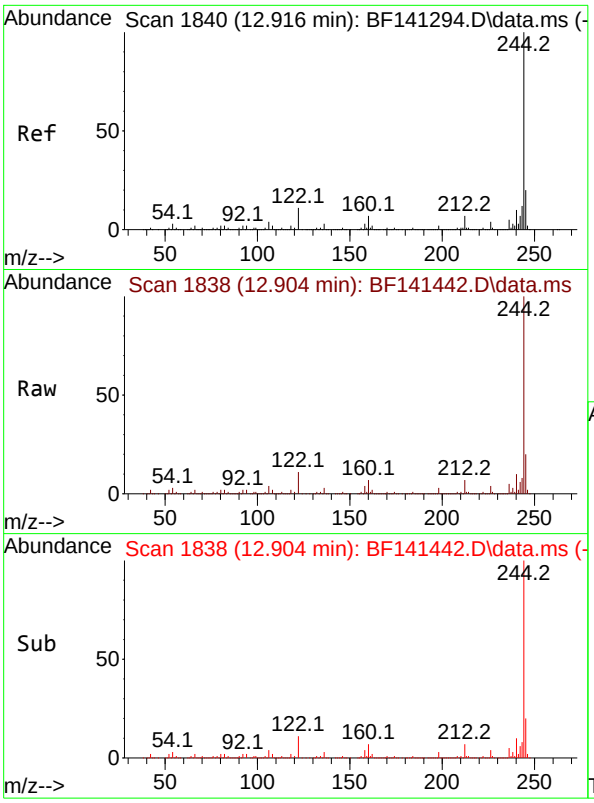


#78
Pyrene
Concen: 46.426 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:202 Resp: 786061

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.2	14.3	21.5

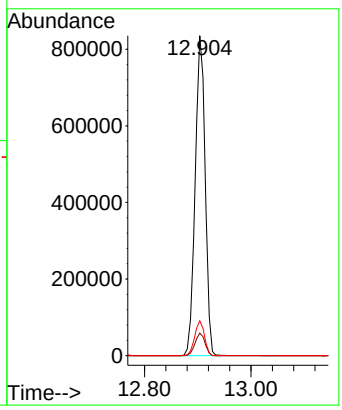




#79
Terphenyl-d14
Concen: 95.409 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:244 Resp: 109122

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.9	8.8	13.2



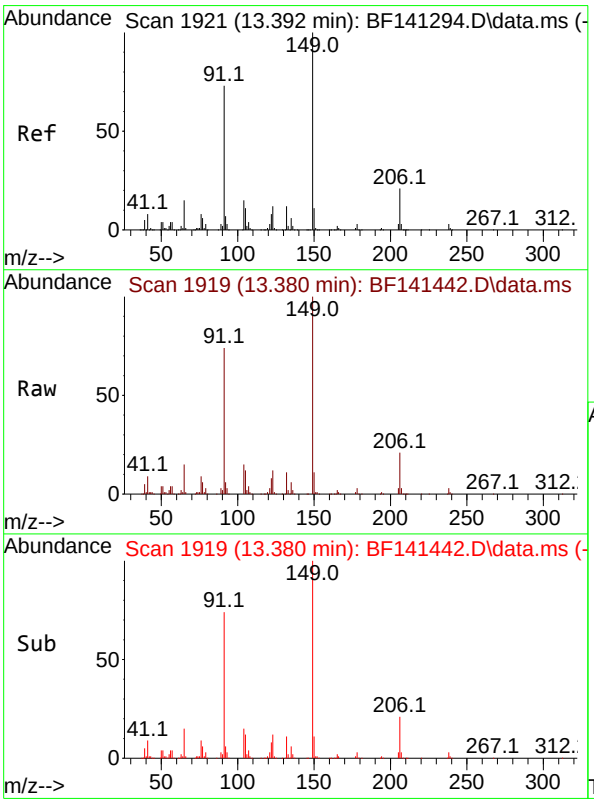
Instrument :
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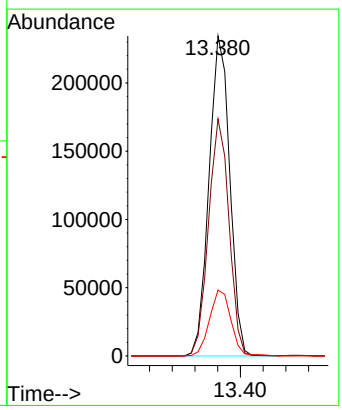
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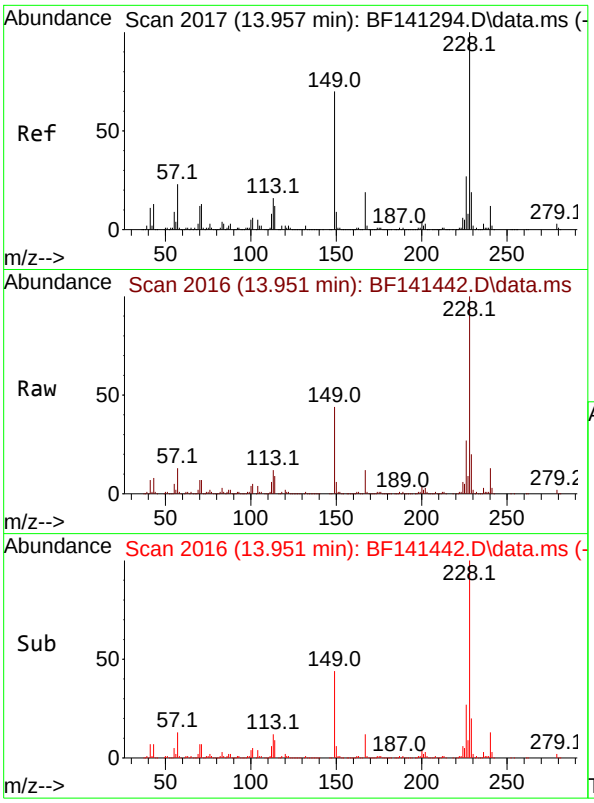


#80
Butylbenzylphthalate
Concen: 50.276 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 297386

Ion	Ratio	Lower	Upper
149	100		
91	74.0	58.6	87.8
206	20.6	16.7	25.1

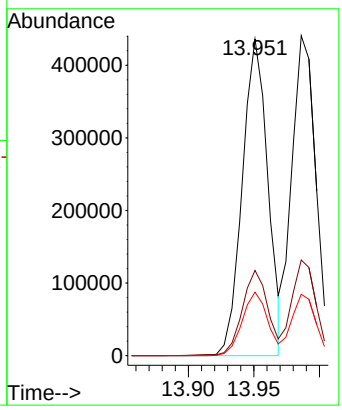




#81
Benzo(a)anthracene
Concen: 48.577 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:228 Resp: 59125

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	20.1	15.5	23.3



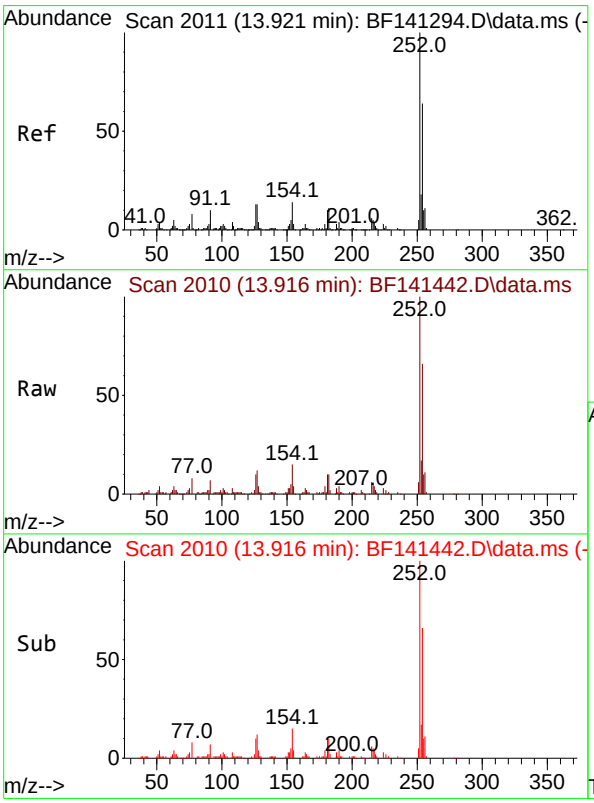
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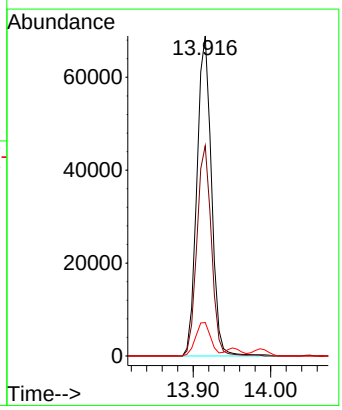
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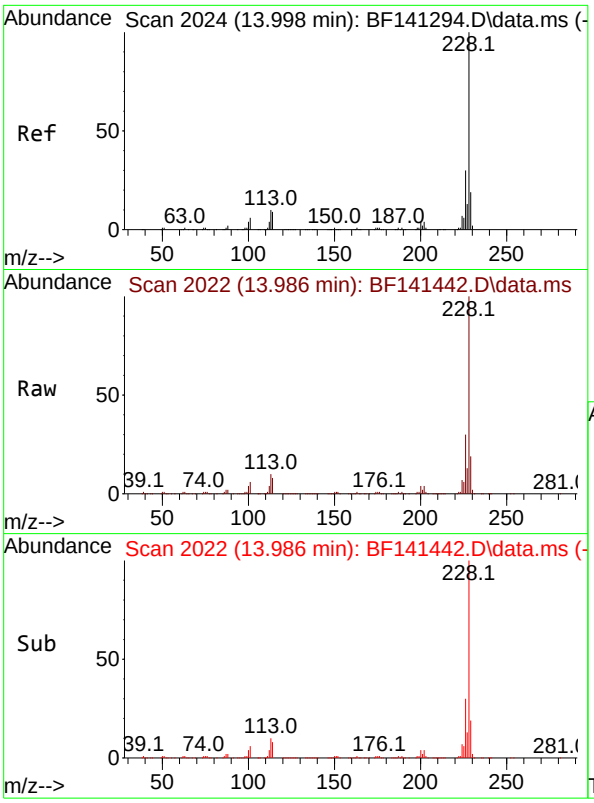


#82
3,3'-Dichlorobenzidine
Concen: 23.167 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:252 Resp: 89685

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.3	76.9
126	10.4	10.0	15.0

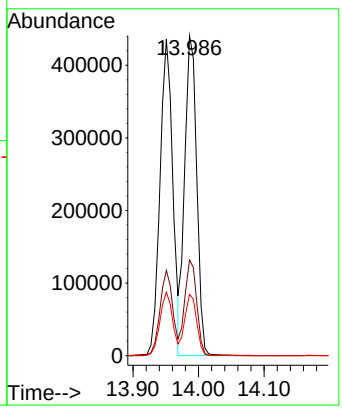




#83
Chrysene
Concen: 50.299 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:228 Resp: 56108

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.2	15.6	23.4



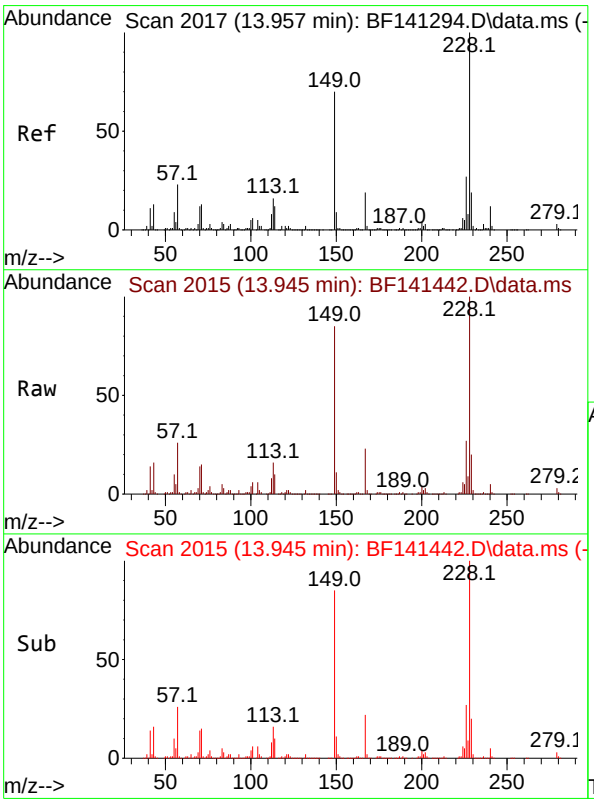
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ClientSampleId :
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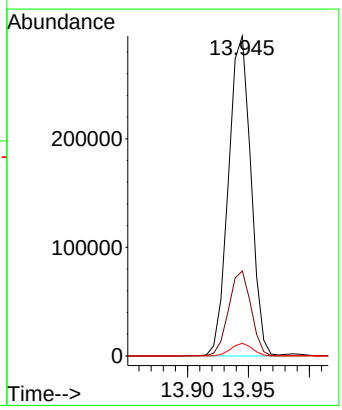
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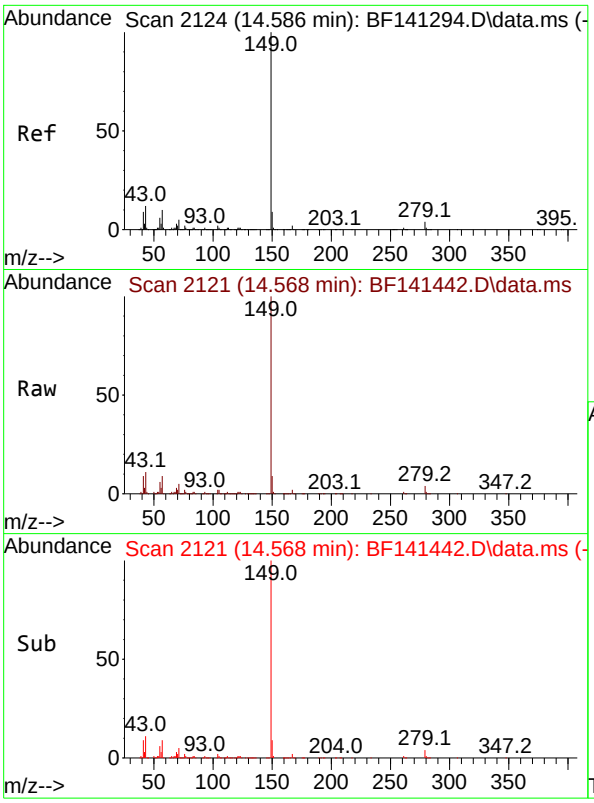


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.375 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 377988

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.9	3.3	4.9

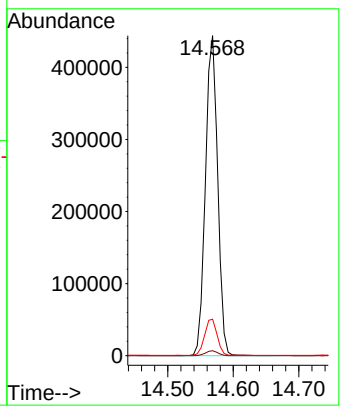




#85
Di-n-octyl phthalate
Concen: 49.459 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 57641

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.5	9.8	14.8



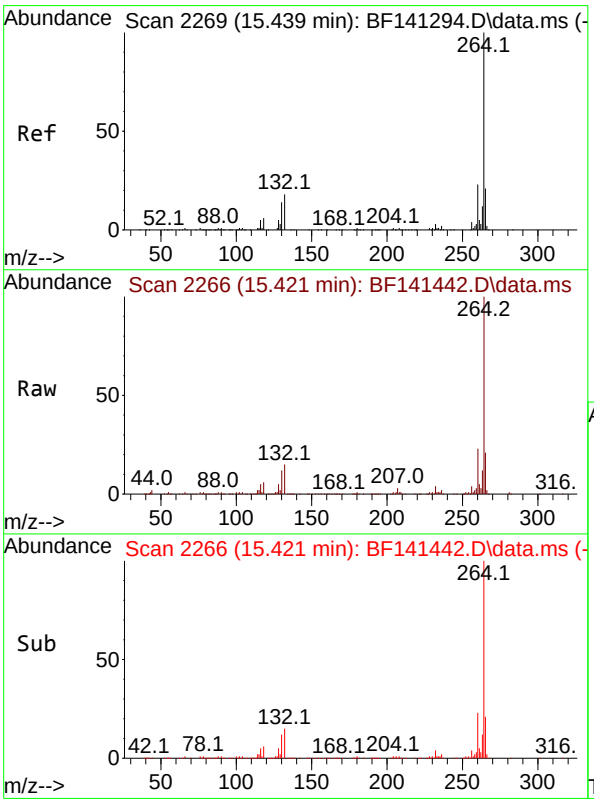
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ClientSampleId :
PB166339BS

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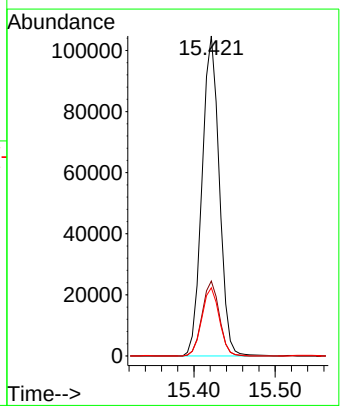
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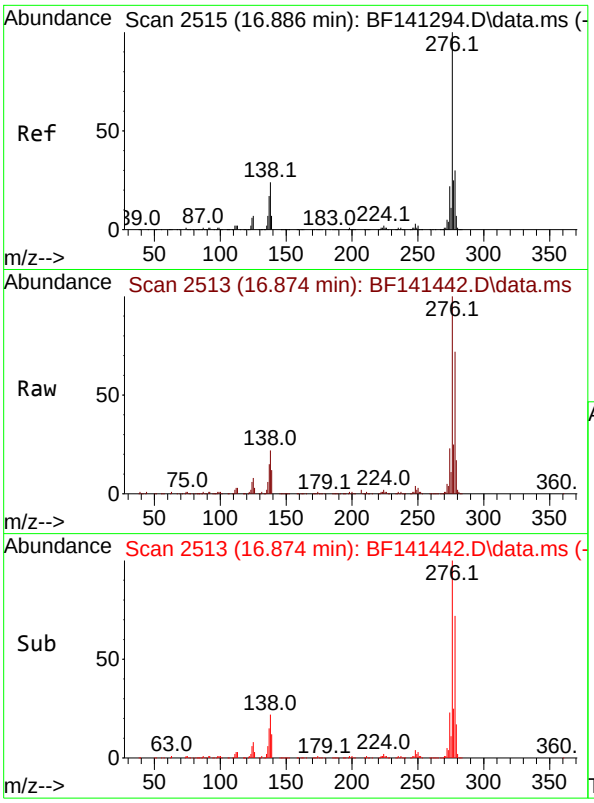


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:264 Resp: 154350

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.3	16.7	25.1

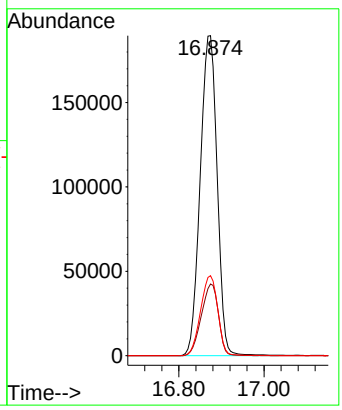




#87
Indeno(1,2,3-cd)pyrene
Concen: 52.473 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:276 Resp: 52274

Ion	Ratio	Lower	Upper
276	100		
138	22.6	21.7	32.5
277	25.4	20.3	30.5



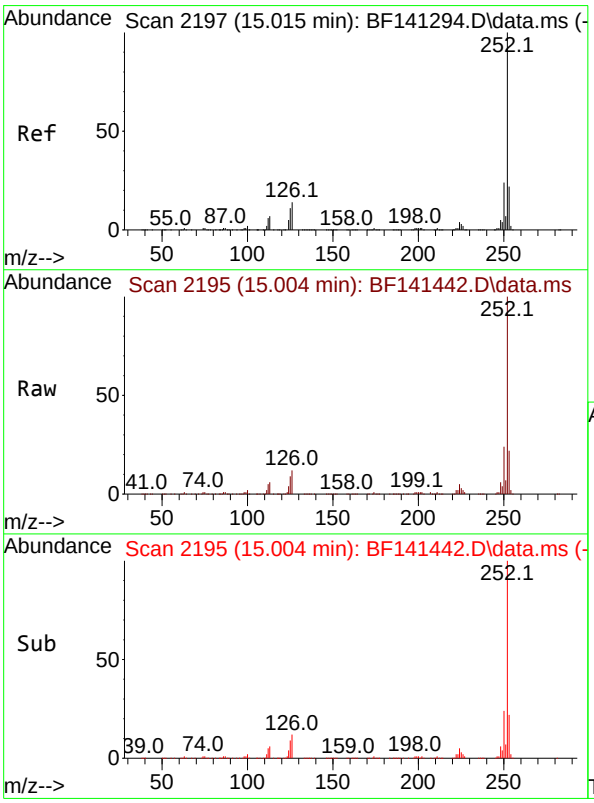
Instrument :
BNA_F
ClientSampleId :
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Supervised By :mohammad ahmed

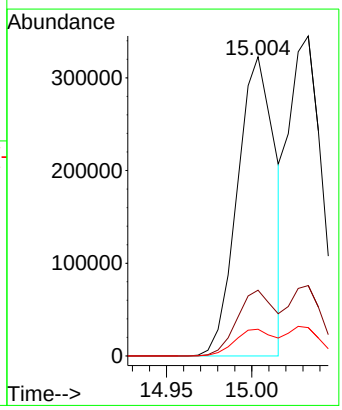
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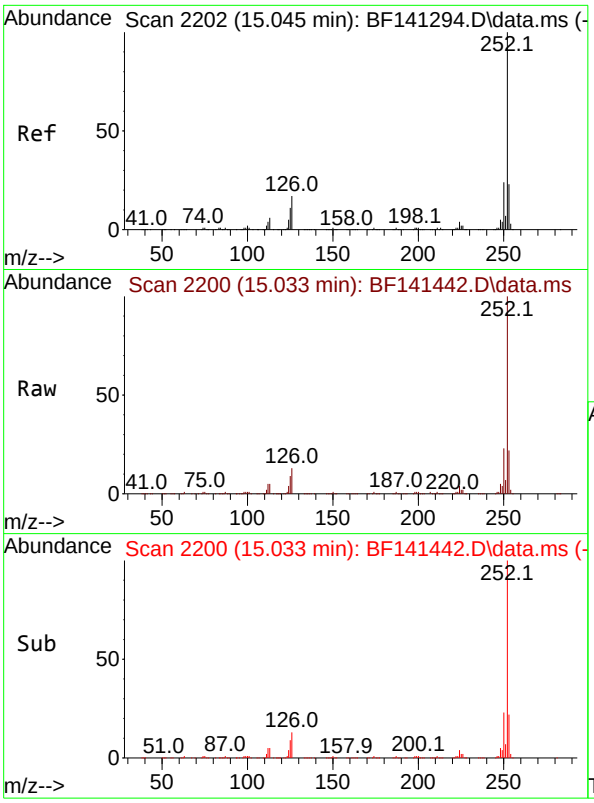


#88
Benzo(b)fluoranthene
Concen: 50.796 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:252 Resp: 493180

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.9	8.6	12.8

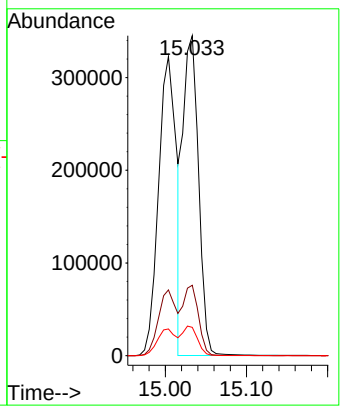




#89
Benzo(k)fluoranthene
Concen: 53.561 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:252 Resp: 46067

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.8	8.4	12.6



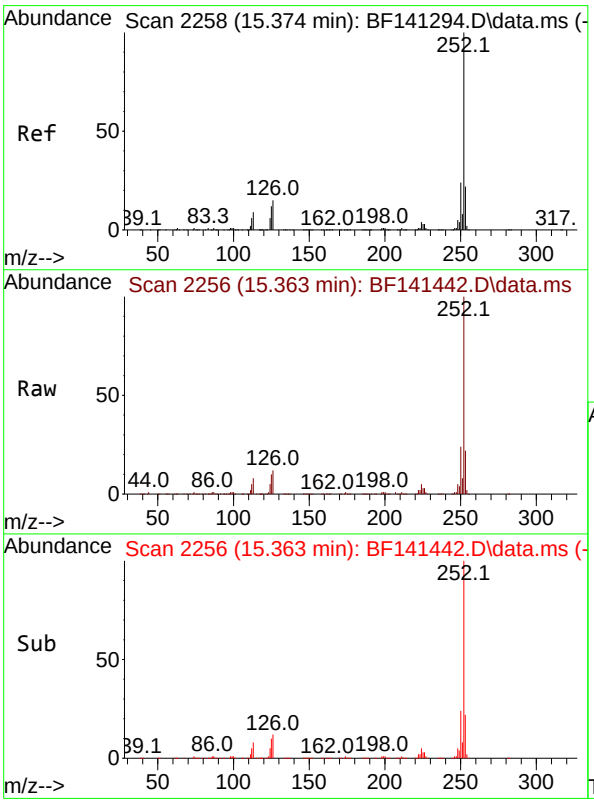
Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel

02/06/2025
Supervised By :mohammad ahmed

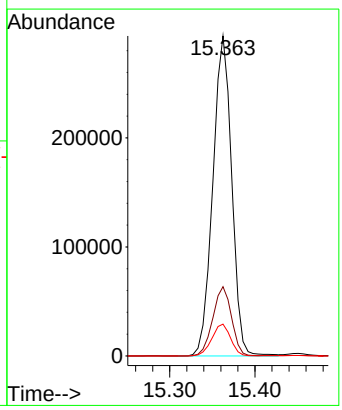
02/06/2025

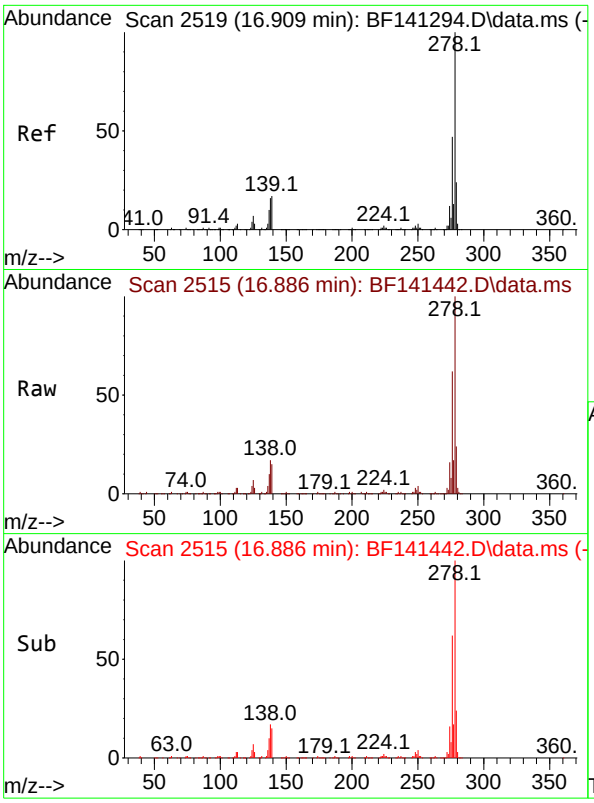


#90
Benzo(a)pyrene
Concen: 55.220 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:252 Resp: 453060

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	10.0	9.4	14.2

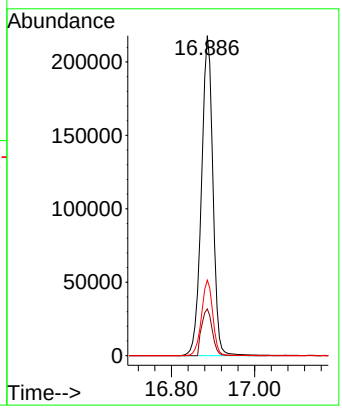




#91
Dibenzo(a,h)anthracene
Concen: 52.335 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:278 Resp: 41945

Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.9	20.9
279	23.6	18.8	28.2



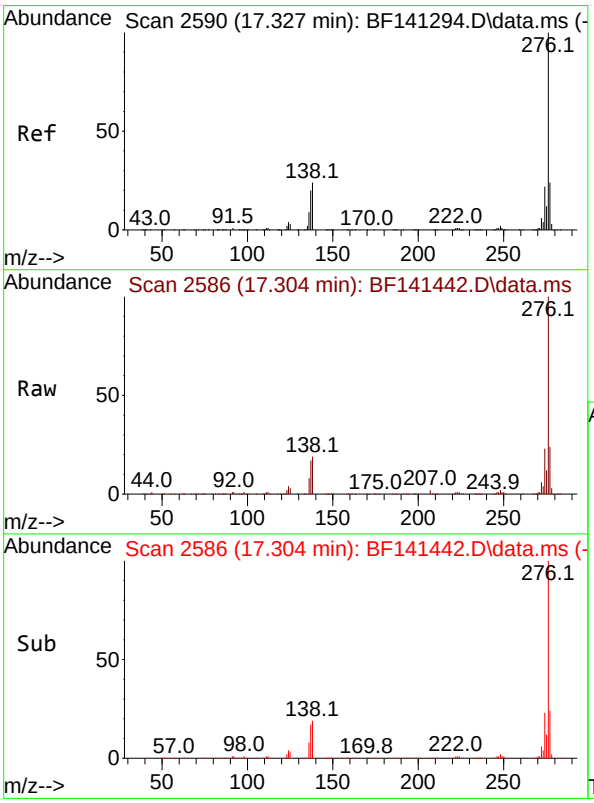
Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

02/06/2025
Supervised By :mohammad ahmed

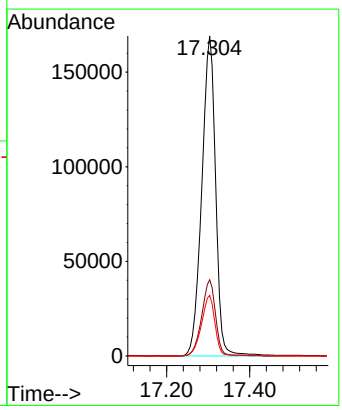
02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 46.889 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:276 Resp: 390761

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	18.9	19.0	28.4#



Raw Data: **BF141443.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 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	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
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.20	J	4.00	10.0	ug/L
108-95-2	Phenol	43.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	47.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	44.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.3		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.6		1.50	2.50	ug/L
67-72-1	Hexachloroethane	47.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	45.5		1.30	5.00	ug/L
78-59-1	Isophorone	47.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	47.8		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.0		0.88	5.00	ug/L
91-20-3	Naphthalene	46.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.4		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.5		1.30	5.00	ug/L
105-60-2	Caprolactam	46.3		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	49.1		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	47.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.8		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.7		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.93	5.00	ug/L

Raw Data: **BF141443.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 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	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
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.6		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.8		1.40	5.00	ug/L
83-32-9	Acenaphthene	54.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	100	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	50.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.2		0.98	5.00	ug/L
86-73-7	Fluorene	49.5		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	48.0		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.0		1.10	5.00	ug/L
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	51.8		0.89	5.00	ug/L
120-12-7	Anthracene	54.1		1.10	5.00	ug/L
86-74-8	Carbazole	53.1		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.3		1.30	5.00	ug/L
129-00-0	Pyrene	46.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.5		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.2		0.94	5.00	ug/L
218-01-9	Chrysene	49.2		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.4		1.10	5.00	ug/L

Raw Data: **BF141443.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 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	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
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

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	53.1		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.6		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	37.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.1		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	96.5		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70000	6.793			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	147000	9.828			
1517-22-2	Phenanthrene-d10	252000	11.316			
1719-03-5	Chrysene-d12	169000	13.963			
1520-96-3	Perylene-d12	155000	15.427			

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: **BF141443.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.793	152	70045	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	272862	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	147235	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	252391	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	168766	20.000	ng		#-0.01
86) Perylene-d12	15.427	264	154833	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	598208	131.111	ng		0.00
7) Phenol-d6	6.434	99	718440	123.779	ng		0.00
23) Nitrobenzene-d5	7.351	82	481799	93.083	ng		-0.02
42) 2,4,6-Tribromophenol	10.622	330	203760	150.955	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	893097	93.364	ng		-0.01
79) Terphenyl-d14	12.904	244	1055500	96.452	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.552	88	74151	36.953	ng		97
3) Pyridine	3.275	79	186375	38.549	ng		96
4) n-Nitrosodimethylamine	3.222	42	137763	49.880	ng		84
6) Aniline	6.451	93	182325	37.109	ng	#	11
8) 2-Chlorophenol	6.581	128	233395	47.726	ng		95
9) Benzaldehyde	6.340	77	20938	6.228	ng		98
10) Phenol	6.446	94	269901	43.867	ng	#	68
11) bis(2-Chloroethyl)ether	6.528	93	208053	44.102	ng		98
12) 1,3-Dichlorobenzene	6.728	146	245484	45.527	ng		99
13) 1,4-Dichlorobenzene	6.810	146	249121	45.990	ng		100
14) 1,2-Dichlorobenzene	6.957	146	234274	46.187	ng		98
15) Benzyl Alcohol	6.934	79	203176	51.222	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	352997	43.030	ng		63
17) 2-Methylphenol	7.051	107	176532	44.416	ng	#	92
18) Hexachloroethane	7.298	117	93989	47.034	ng		98
19) n-Nitroso-di-n-propyla...	7.204	70	160722	46.601	ng		99
20) 3+4-Methylphenols	7.204	107	230779	47.290	ng		95
22) Acetophenone	7.198	105	324107	49.971	ng		99
24) Nitrobenzene	7.375	77	244028	45.494	ng		100
25) Isophorone	7.610	82	425288	47.533	ng		98
26) 2-Nitrophenol	7.687	139	120895	47.790	ng		91
27) 2,4-Dimethylphenol	7.734	122	176837m	54.920	ng		
28) bis(2-Chloroethoxy)met...	7.822	93	253960	44.498	ng		98
29) 2,4-Dichlorophenol	7.940	162	189017	47.951	ng		99
30) 1,2,4-Trichlorobenzene	8.016	180	205082	45.556	ng		99
31) Naphthalene	8.092	128	665370	46.160	ng		100
32) Benzoic acid	7.857	122	136403	46.082	ng		95
33) 4-Chloroaniline	8.145	127	89922	18.396	ng		99
34) Hexachlorobutadiene	8.210	225	130656	49.491	ng		99
35) Caprolactam	8.510	113	59577m	46.278	ng		
36) 4-Chloro-3-methylphenol	8.639	107	207462	49.066	ng		97
37) 2-Methylnaphthalene	8.787	142	433820	47.352	ng		100
38) 1-Methylnaphthalene	8.887	142	406864	45.209	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	203516	48.587	ng		98
41) Hexachlorocyclopentadiene	8.939	237	230786	186.564	ng		99
43) 2,4,6-Trichlorophenol	9.069	196	132009	48.150	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	139507	46.752	ng	97
46) 1,1'-Biphenyl	9.251	154	537519	46.812	ng	98
47) 2-Chloronaphthalene	9.275	162	408115	45.599	ng	99
48) 2-Nitroaniline	9.375	65	139818	49.666	ng	98
49) Acenaphthylene	9.692	152	626340	49.994	ng	100
50) Dimethylphthalate	9.557	163	483574	48.629	ng	100
51) 2,6-Dinitrotoluene	9.616	165	107574	46.591	ng	96
52) Acenaphthene	9.863	154	486518m	54.358	ng	
53) 3-Nitroaniline	9.786	138	60739	26.840	ng	99
54) 2,4-Dinitrophenol	9.898	184	121360	113.070	ng	91
55) Dibenzofuran	10.034	168	581677	48.552	ng	96
56) 4-Nitrophenol	9.963	139	169841	102.622	ng	88
57) 2,4-Dinitrotoluene	10.022	165	149593	50.041	ng	93
58) Fluorene	10.381	166	459804	49.478	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.157	232	125437	53.434	ng	97
60) Diethylphthalate	10.257	149	474765	49.239	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	223335	49.199	ng	95
62) 4-Nitroaniline	10.398	138	106731	47.972	ng	87
63) Azobenzene	10.533	77	462094	47.878	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	85087	56.995	ng	98
66) n-Nitrosodiphenylamine	10.492	169	405060	49.620	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	138180	48.903	ng	98
68) Hexachlorobenzene	10.928	284	146924	49.019	ng	99
69) Atrazine	11.022	200	142247	52.117	ng	99
70) Pentachlorophenol	11.128	266	178140	101.496	ng	99
71) Phenanthrene	11.345	178	703261	51.836	ng	100
72) Anthracene	11.392	178	718705	54.065	ng	99
73) Carbazole	11.551	167	626248	53.128	ng	99
74) Di-n-butylphthalate	11.880	149	734688	51.430	ng	99
75) Fluoranthene	12.533	202	740295	55.263	ng	98
77) Benzidine	12.651	184	152405	28.169	ng	99
78) Pyrene	12.763	202	752575	46.455	ng	100
80) Butylbenzylphthalate	13.380	149	285734	50.487	ng	99
81) Benzo(a)anthracene	13.951	228	549332	47.170	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	87185	23.538	ng	99
83) Chrysene	13.992	228	525550	49.241	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	359351	50.053	ng	99
85) Di-n-octyl phthalate	14.574	149	539172	48.352	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	507144	50.748	ng	95
88) Benzo(b)fluoranthene	15.010	252	452259	46.436	ng	98
89) Benzo(k)fluoranthene	15.039	252	454887	52.723	ng	98
90) Benzo(a)pyrene	15.368	252	436814	53.074	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	403526	50.190	ng	97
92) Benzo(g,h,i)perylene	17.315	276	376155	44.995	ng	94

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

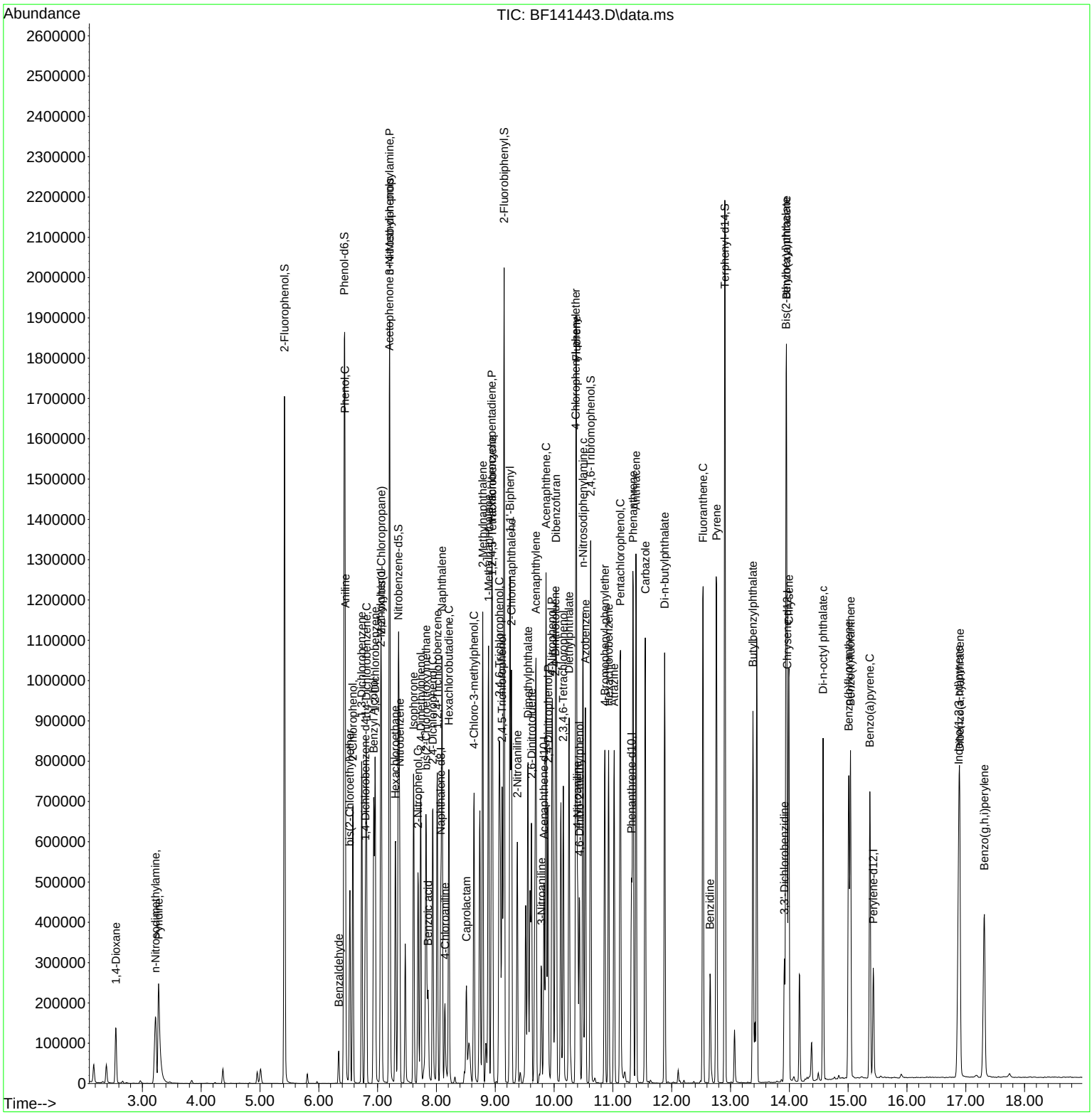
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

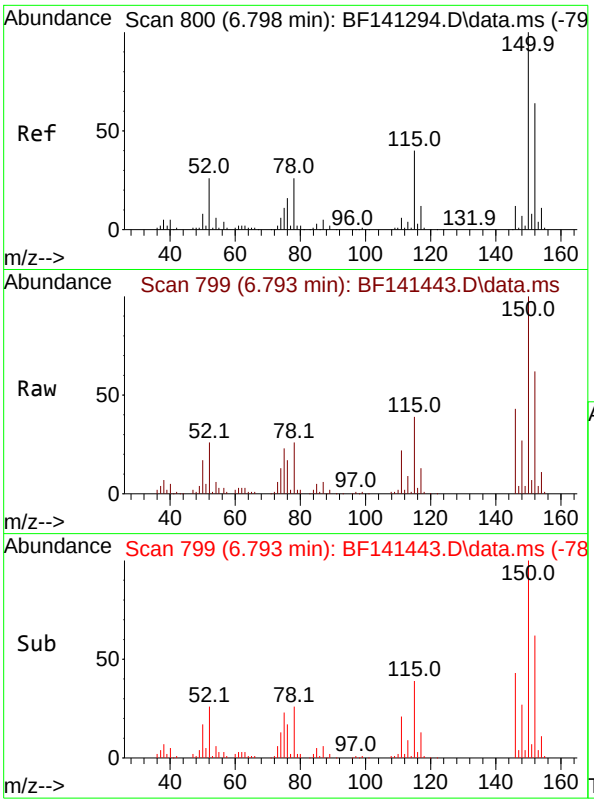
Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

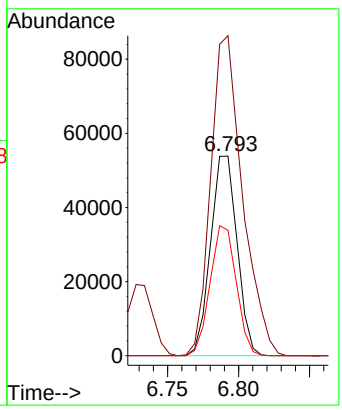




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:152 Resp: 7004

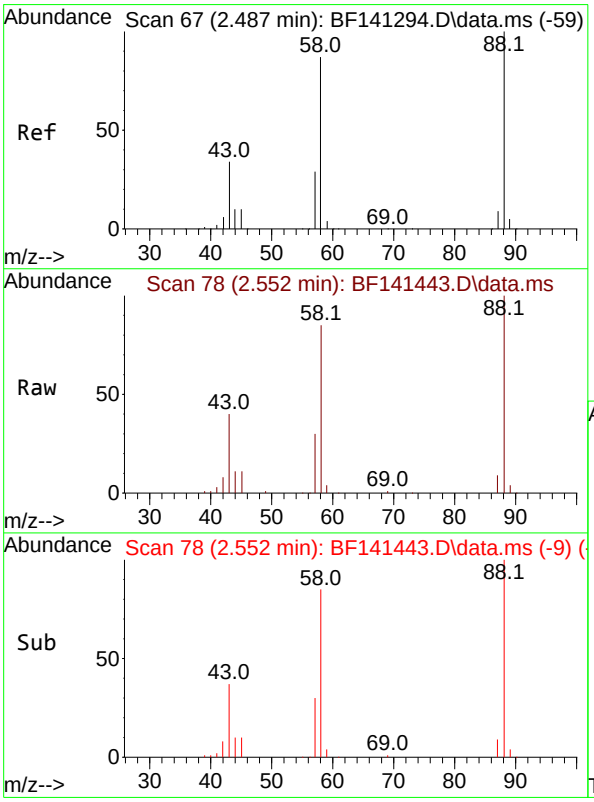
Ion	Ratio	Lower	Upper
152	100		
150	160.4	125.9	188.9
115	62.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

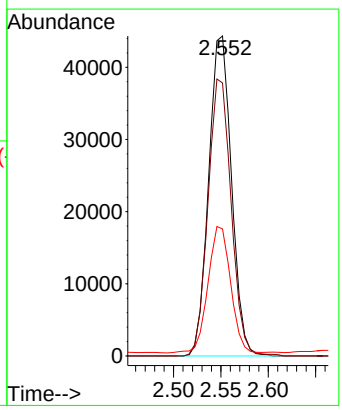
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

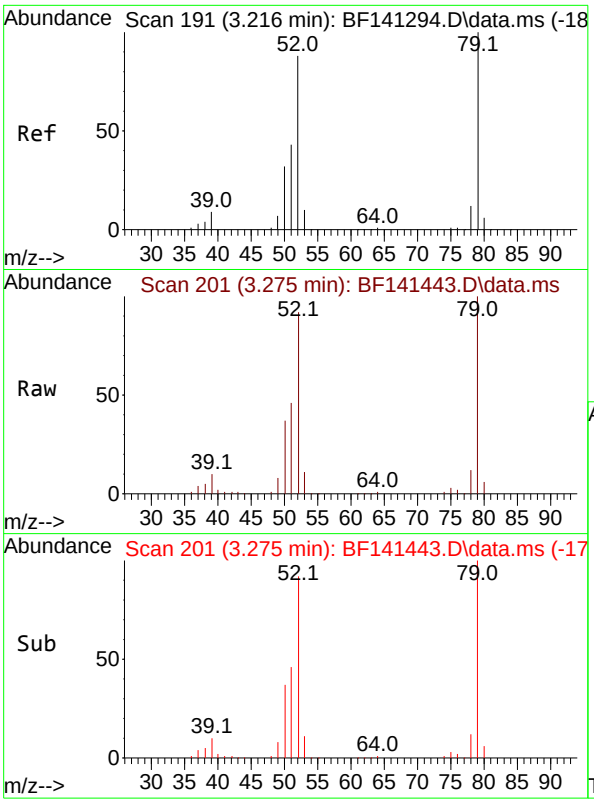


#2
1,4-Dioxane
Concen: 36.953 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 88 Resp: 74151

Ion	Ratio	Lower	Upper
88	100		
58	88.1	70.2	105.4
43	39.2	27.6	41.4

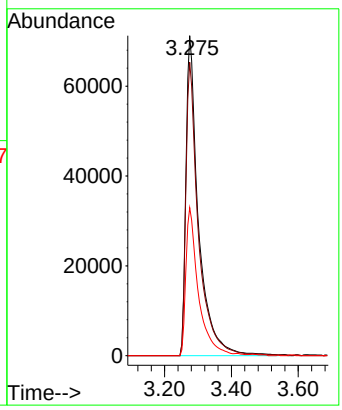




#3
Pyridine
Concen: 38.549 ng
RT: 3.275 min Scan# 2
Delta R.T. 0.047 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 79 Resp: 18637

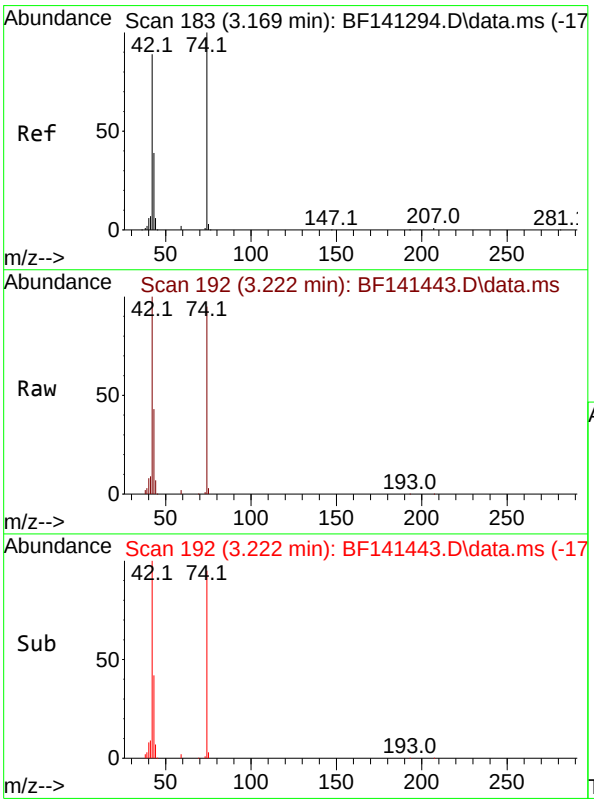
Ion	Ratio	Lower	Upper
79	100		
52	91.7	70.3	105.5
51	46.3	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

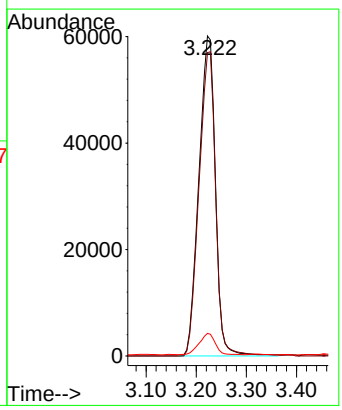
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

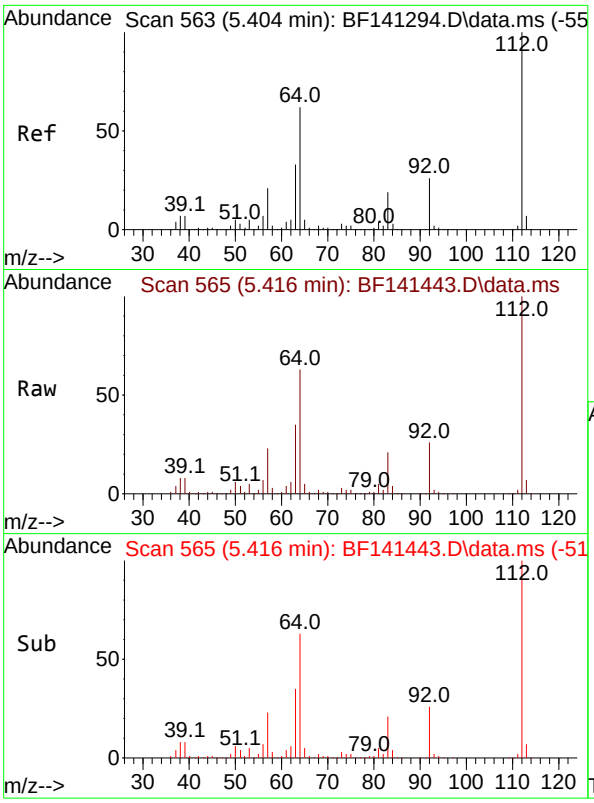


#4
n-Nitrosodimethylamine
Concen: 49.880 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.023 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 42 Resp: 137763

Ion	Ratio	Lower	Upper
42	100		
74	94.8	90.3	135.5
44	7.1	5.7	8.5

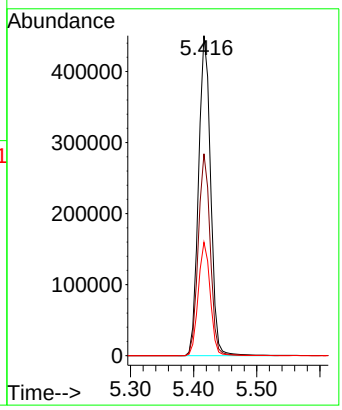




#5
2-Fluorophenol
Concen: 131.111 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:112 Resp: 59820

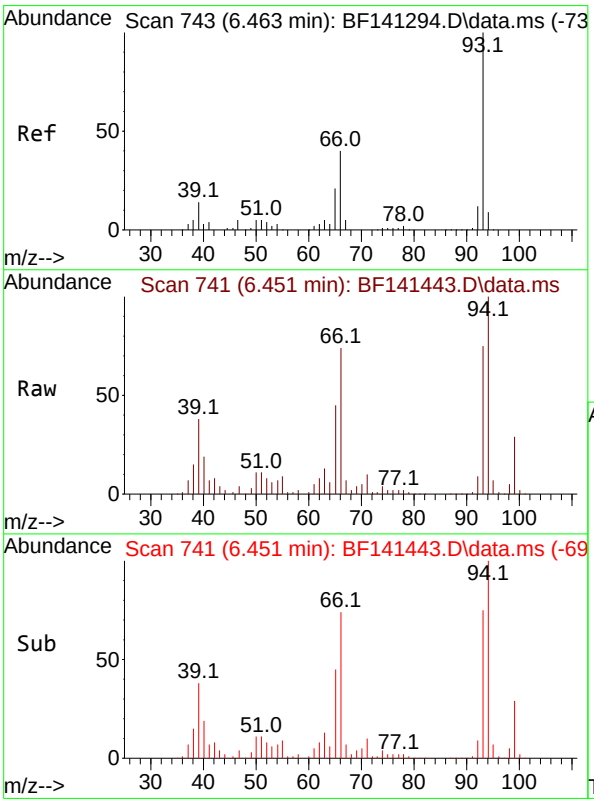
Ion	Ratio	Lower	Upper
112	100		
64	63.1	49.8	74.8
63	35.5	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

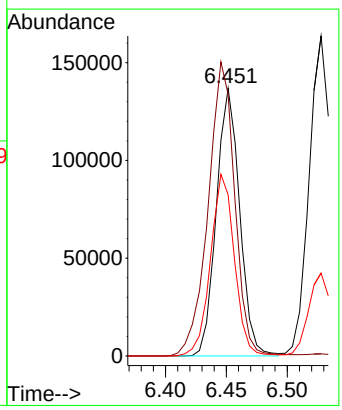
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

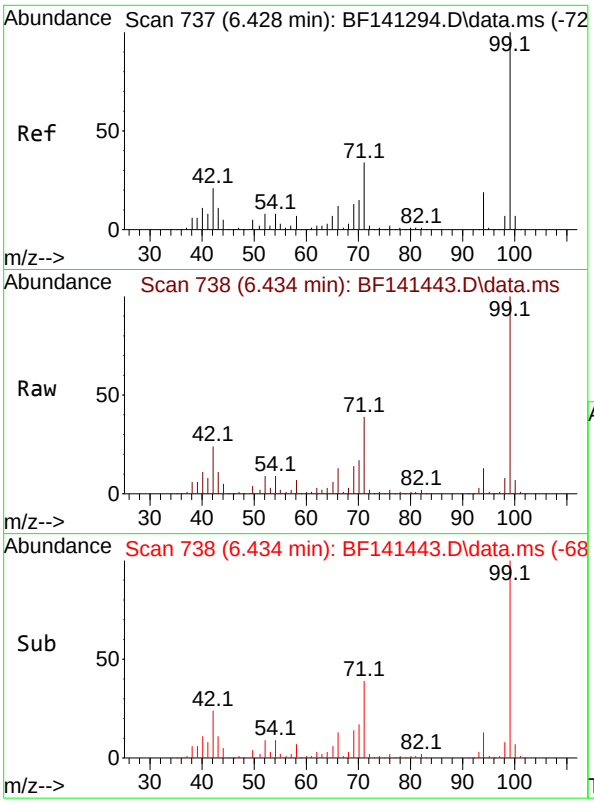


#6
Aniline
Concen: 37.109 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 93 Resp: 182325

Ion	Ratio	Lower	Upper
93	100		
66	97.8	32.5	48.7#
65	60.2	17.0	25.6#

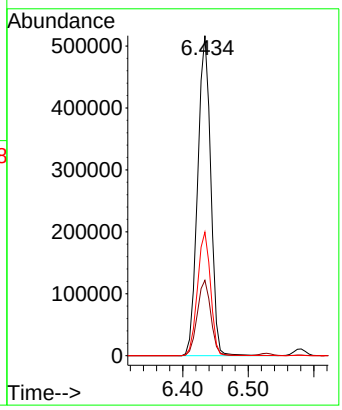




#7
Phenol-d6
Concen: 123.779 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 99 Resp: 71844

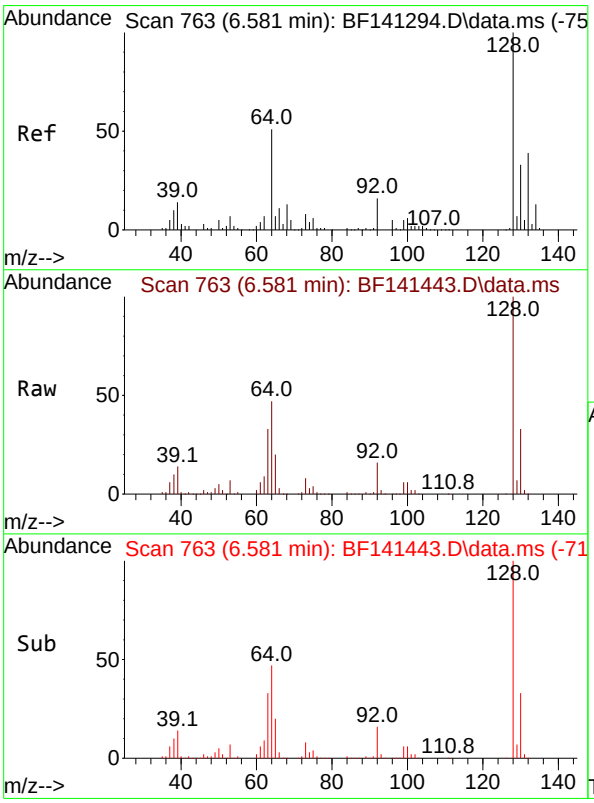
Ion	Ratio	Lower	Upper
99	100		
42	23.6	17.1	25.7
71	38.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

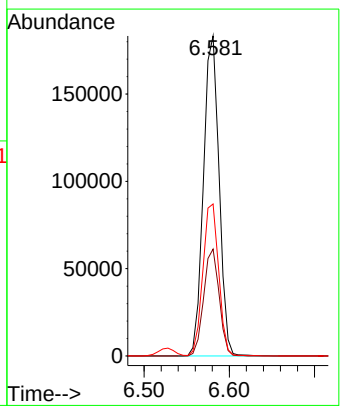
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

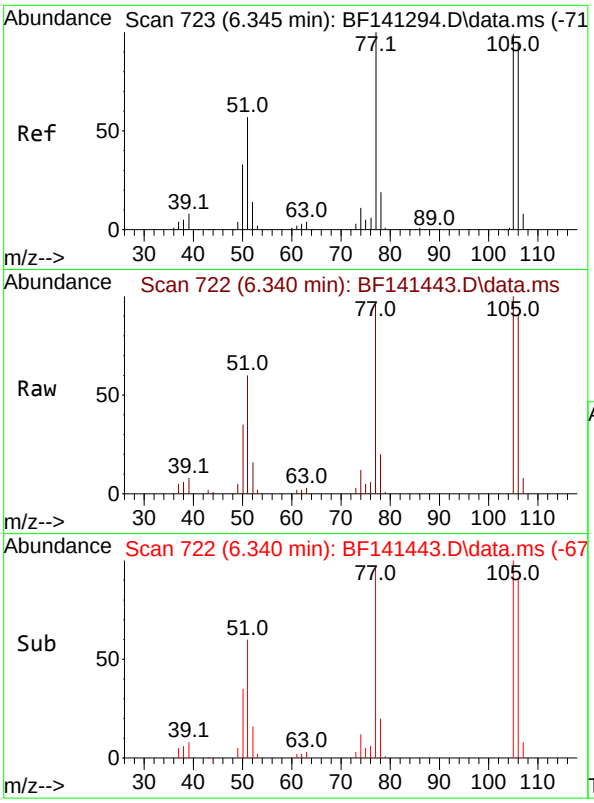


#8
2-Chlorophenol
Concen: 47.726 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:128 Resp: 233395

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	47.5	32.9	72.9

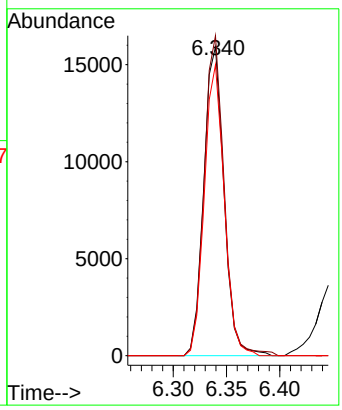




#9
Benzaldehyde
Concen: 6.228 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 77 Resp: 2093

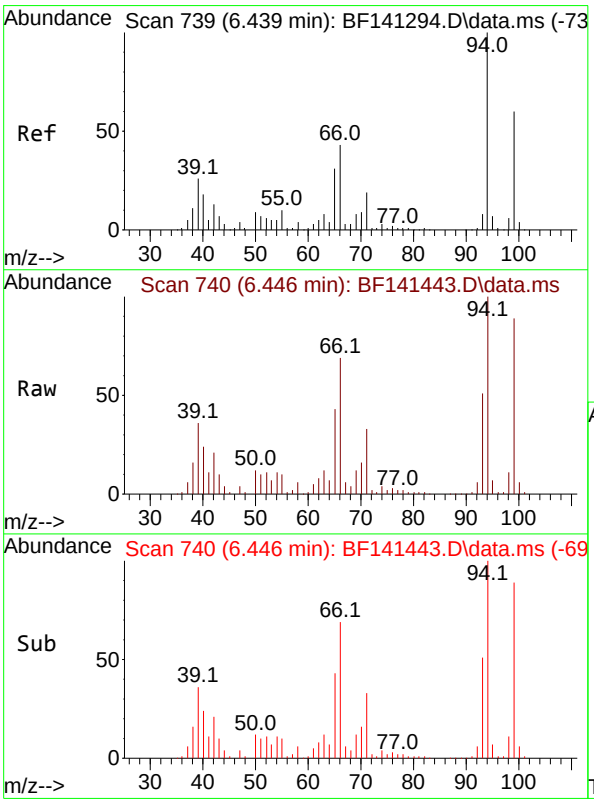
Ion	Ratio	Lower	Upper
77	100		
105	103.6	79.4	119.4
106	94.2	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

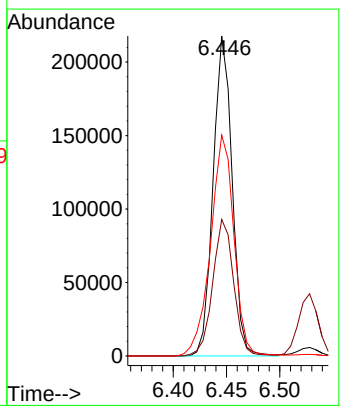
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

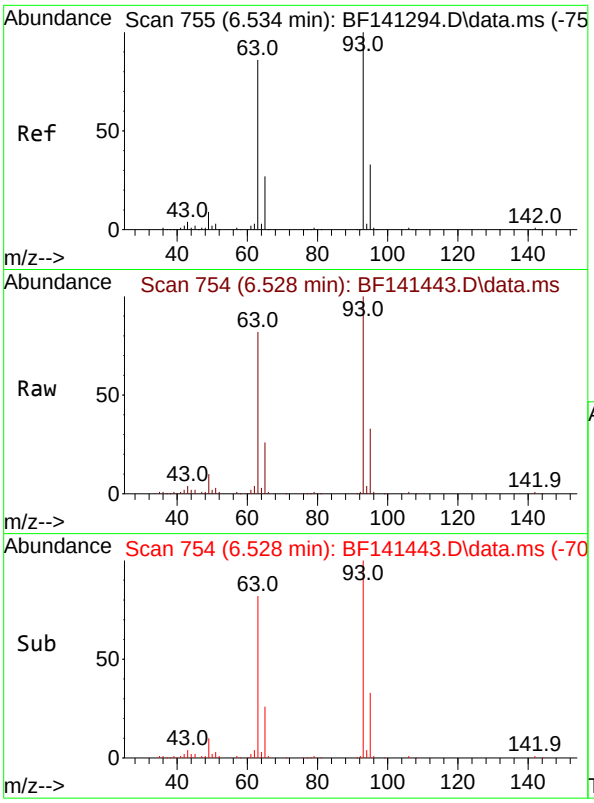


#10
Phenol
Concen: 43.867 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 94 Resp: 269901

Ion	Ratio	Lower	Upper
94	100		
65	42.7	10.8	50.8
66	69.1	23.3	63.3#

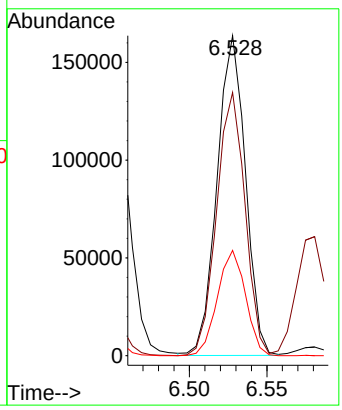




#11
bis(2-Chloroethyl)ether
Concen: 44.102 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 93 Resp: 20805

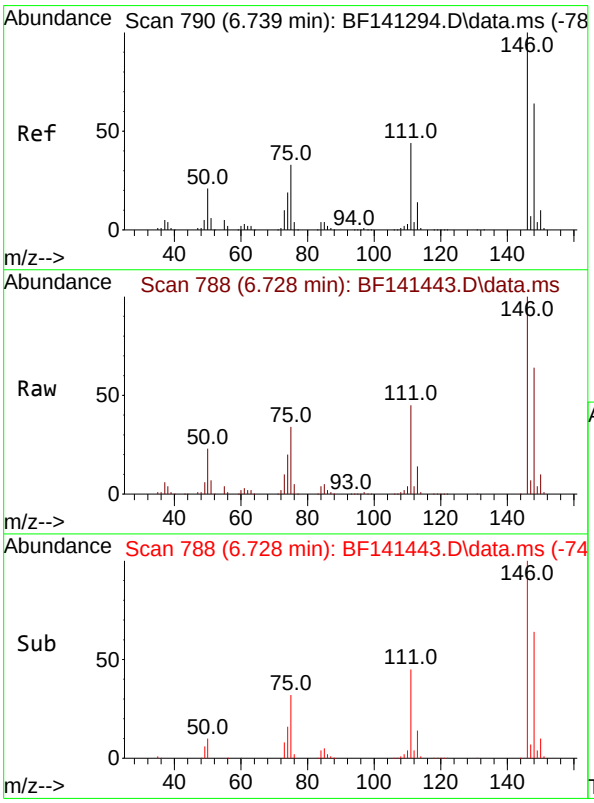
Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	32.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

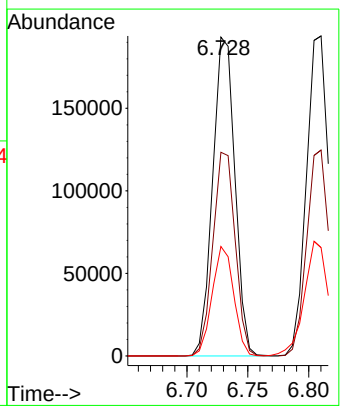
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

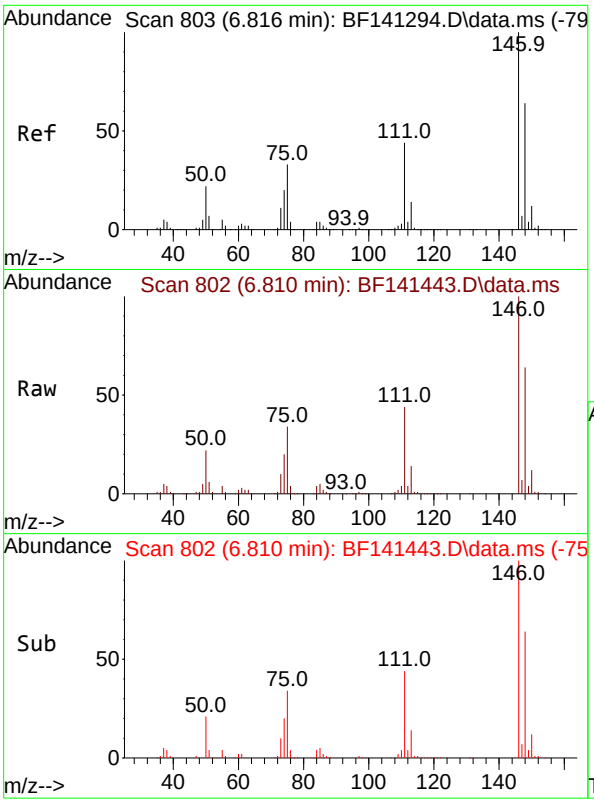


#12
1,3-Dichlorobenzene
Concen: 45.527 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:146 Resp: 245484

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
75	34.3	26.2	39.4





#13
1,4-Dichlorobenzene
Concen: 45.990 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

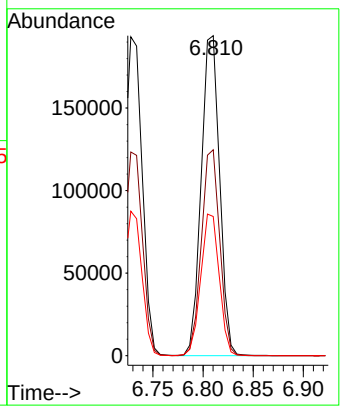
Tgt Ion:146 Resp: 24912

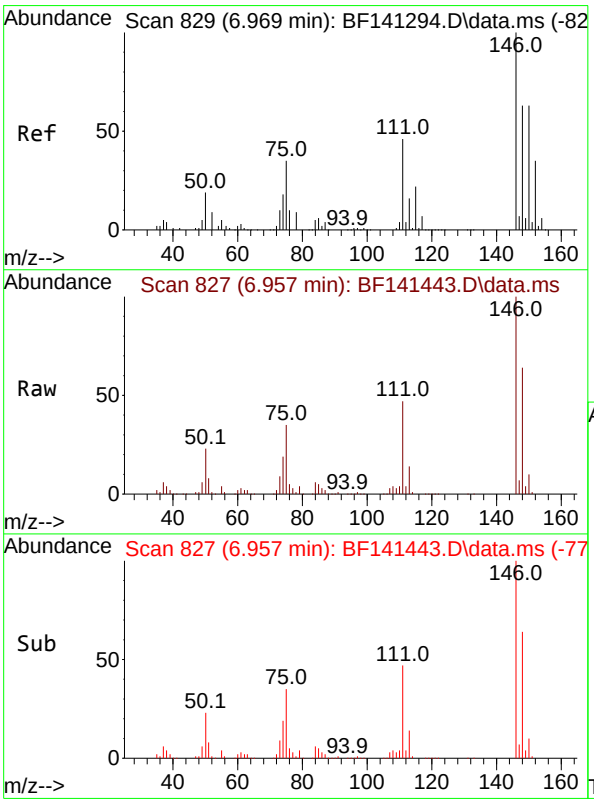
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	43.5	35.0	52.4

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

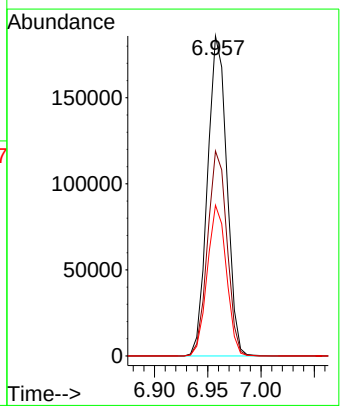


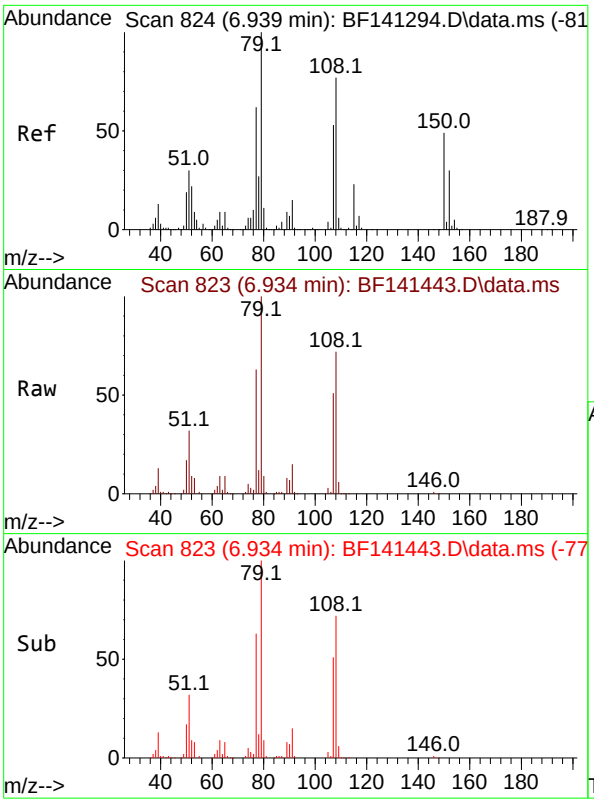


#14
1,2-Dichlorobenzene
Concen: 46.187 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:146 Resp: 234274

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
111	47.1	36.6	55.0

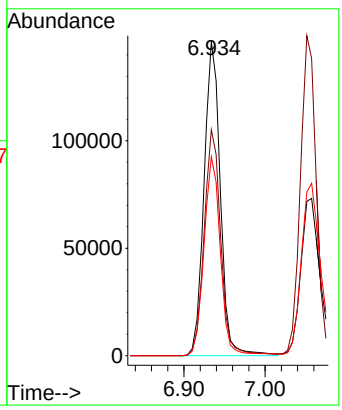




#15
Benzyl Alcohol
Concen: 51.222 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 79 Resp: 20317

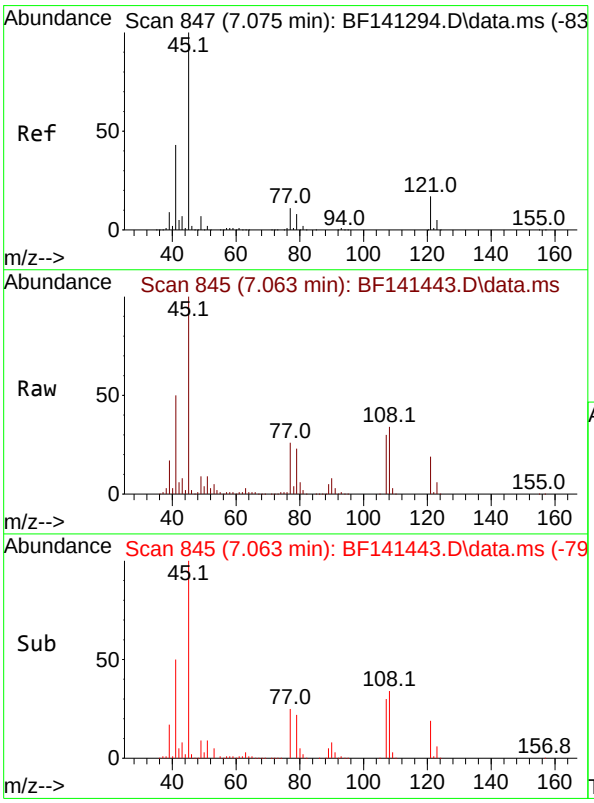
Ion	Ratio	Lower	Upper
79	100		
108	71.9	61.4	92.0
77	63.3	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

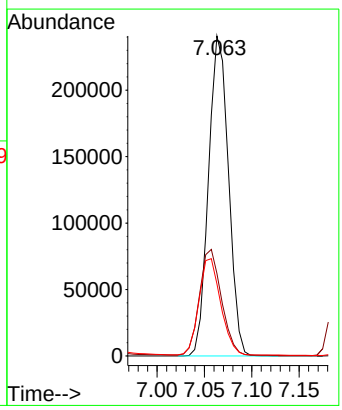
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

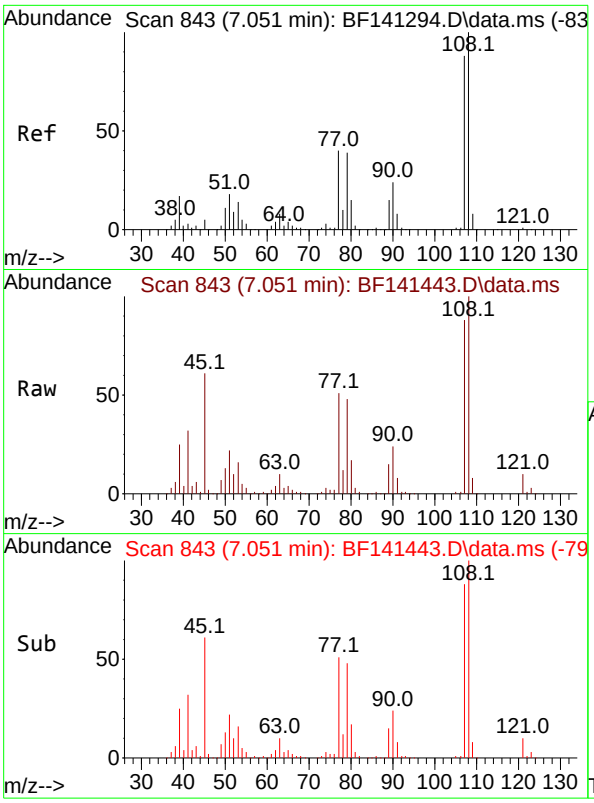


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.030 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 45 Resp: 352997

Ion	Ratio	Lower	Upper
45	100		
77	25.8	0.0	31.8
79	22.6	0.0	29.1

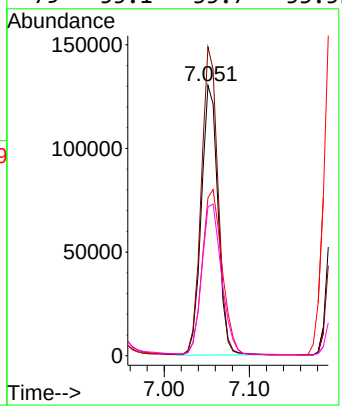




#17
2-Methylphenol
Concen: 44.416 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:107 Resp: 17653

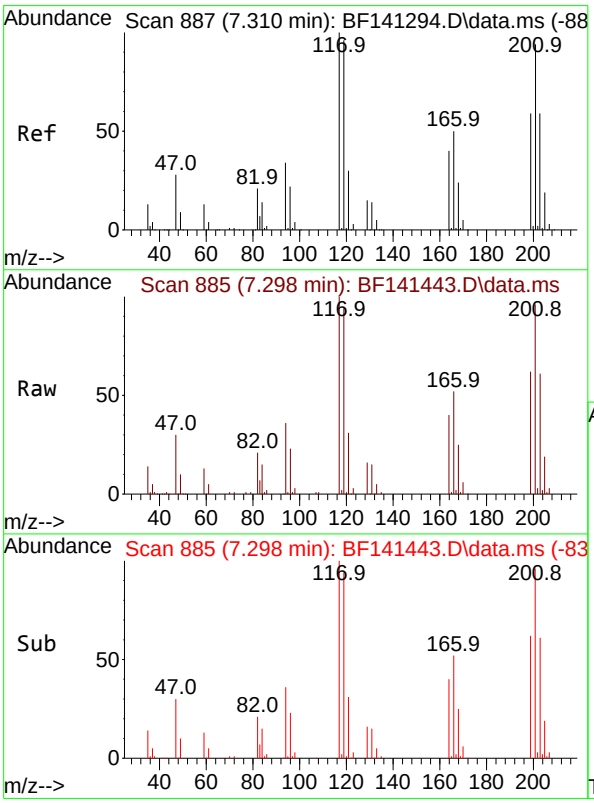
Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.8	136.2
77	58.5	36.2	54.4#
79	55.1	35.7	53.5#



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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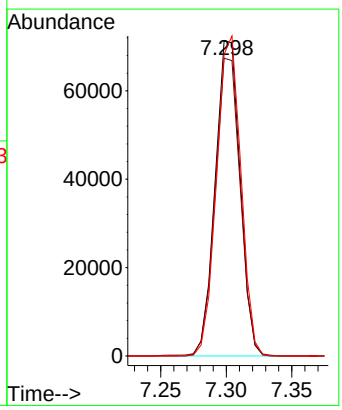
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

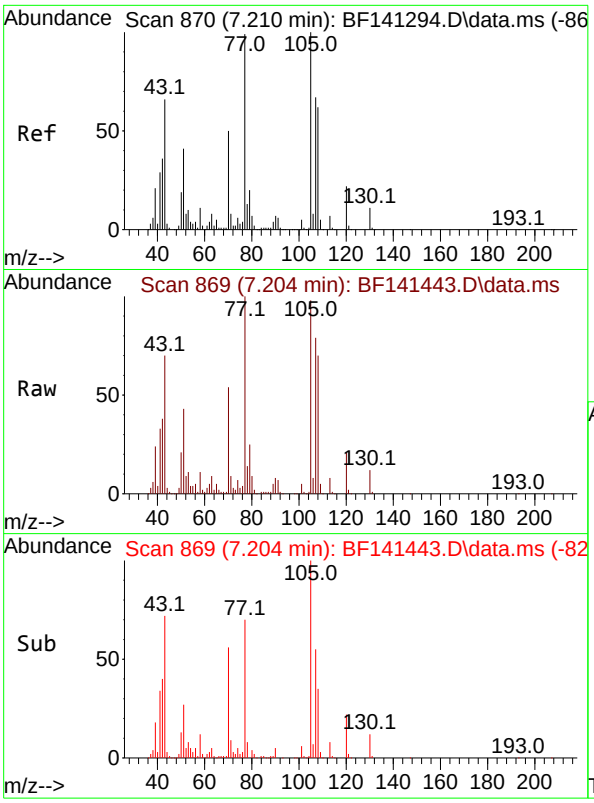


#18
Hexachloroethane
Concen: 47.034 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:117 Resp: 93989

Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	114.8
201	95.7	74.8	112.2

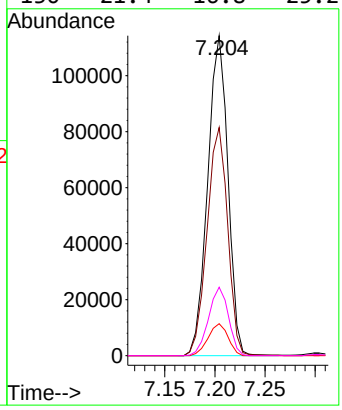




#19
n-Nitroso-di-n-propylamine
Concen: 46.601 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 70 Resp: 16072

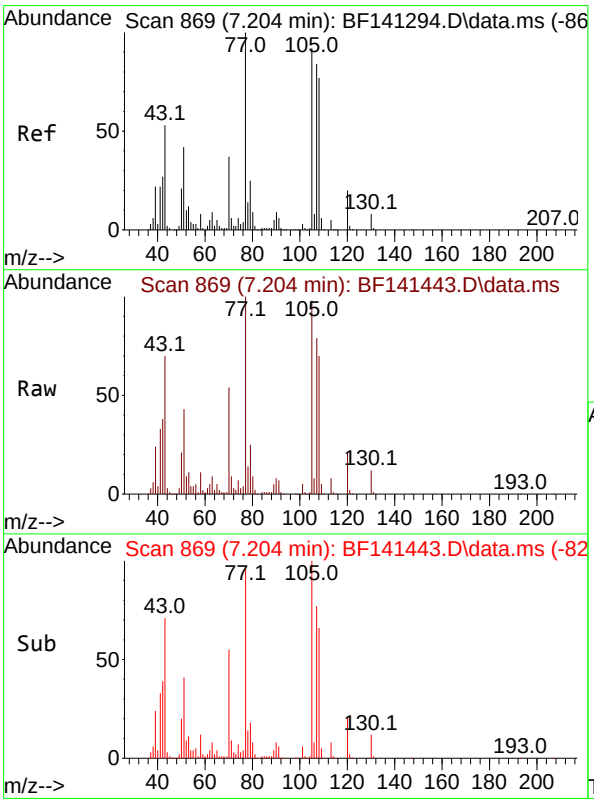
Ion	Ratio	Lower	Upper
70	100		
42	71.3	56.8	85.2
101	10.0	7.7	11.5
130	21.4	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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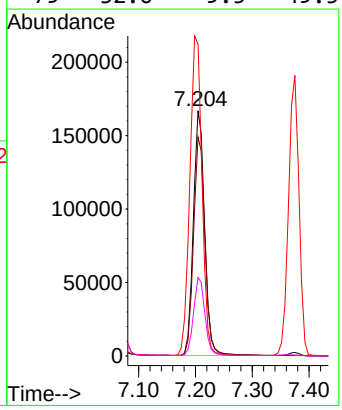
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

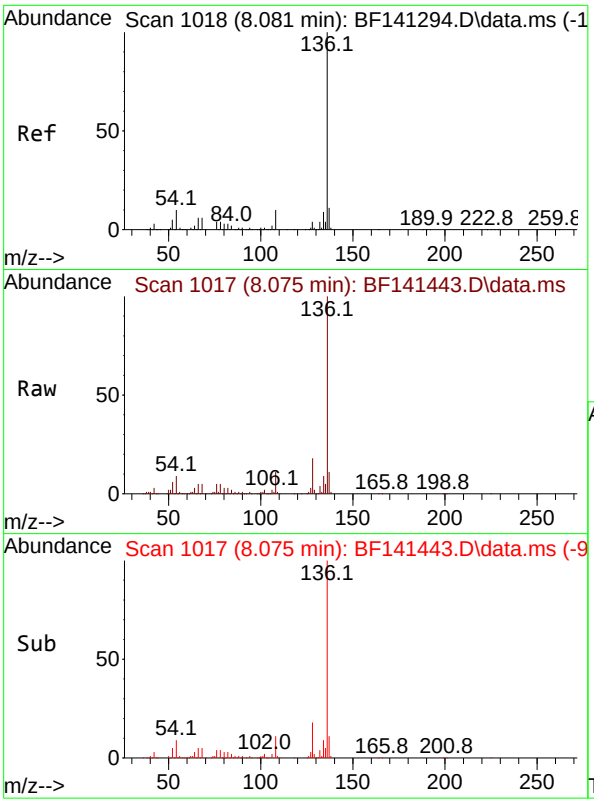


#20
3+4-Methylphenols
Concen: 47.290 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:107 Resp: 230779

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.9	110.9
77	127.1	98.5	138.5
79	32.0	9.5	49.5

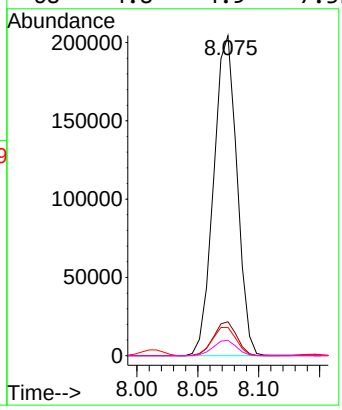




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:136 Resp: 27286

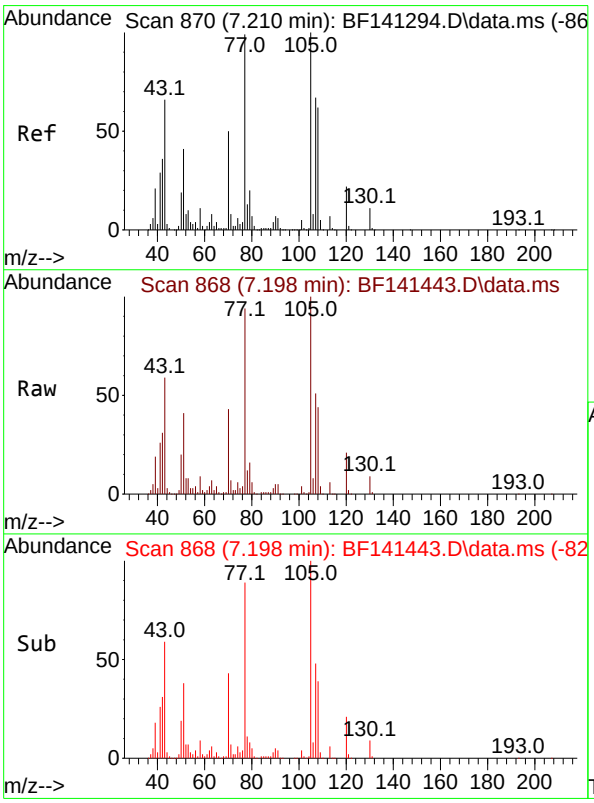
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.9	7.8	11.8
68	4.8	4.9	7.3#



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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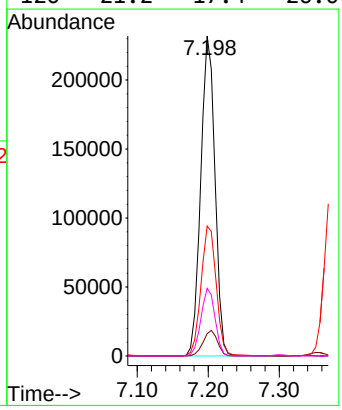
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

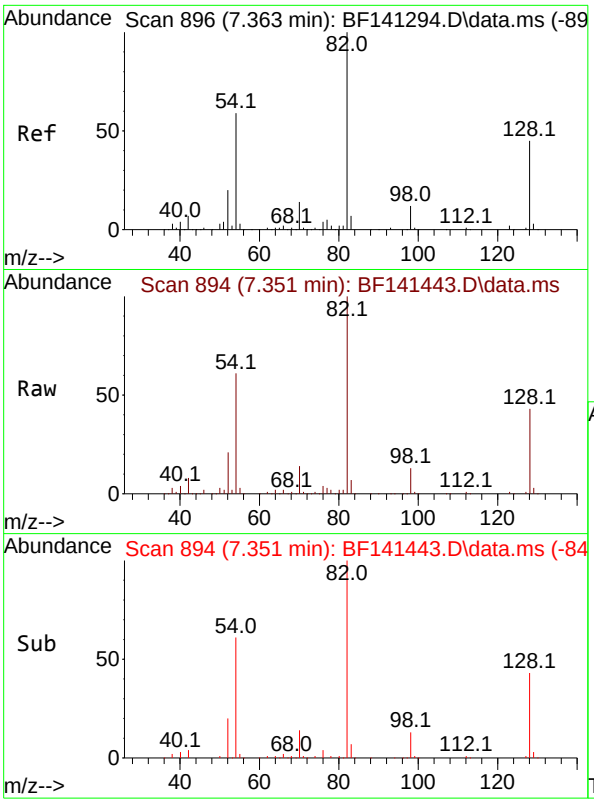


#22
Acetophenone
Concen: 49.971 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:105 Resp: 324107

Ion	Ratio	Lower	Upper
105	100		
71	6.9	6.8	10.2
51	40.6	32.6	49.0
120	21.2	17.4	26.0

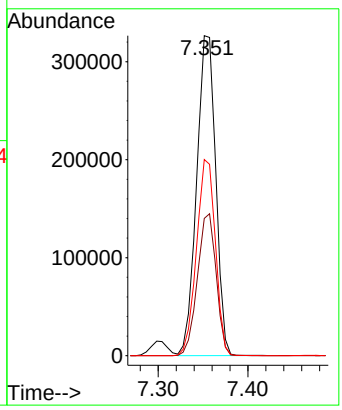




#23
Nitrobenzene-d5
Concen: 93.083 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 82 Resp: 48179

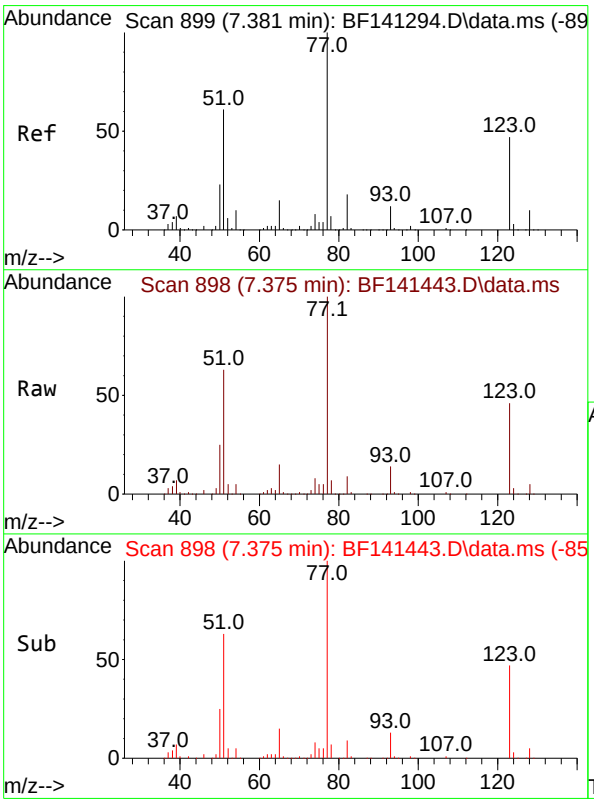
Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.7	53.5
54	61.3	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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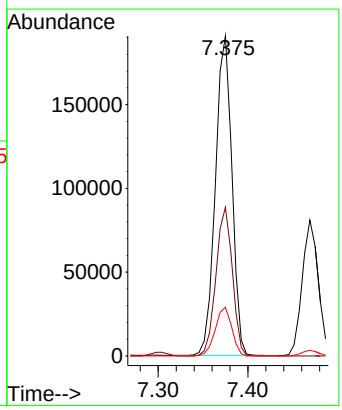
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

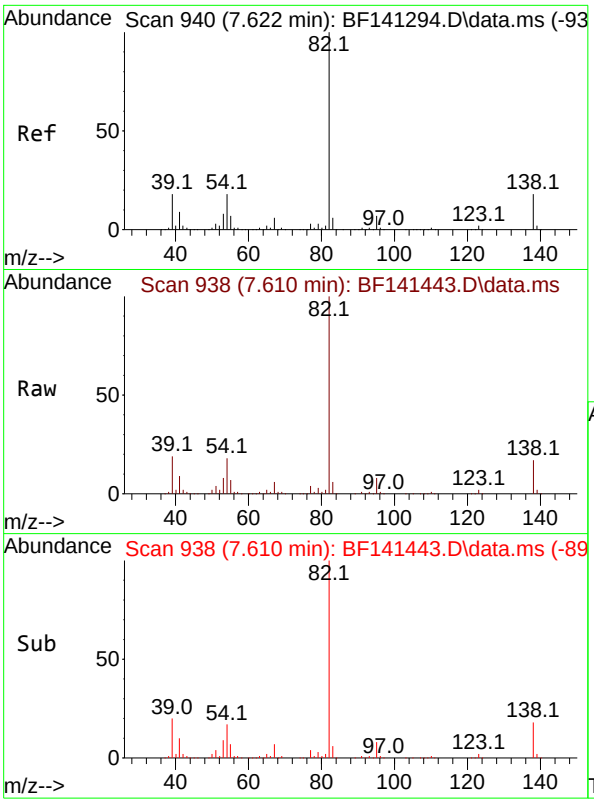


#24
Nitrobenzene
Concen: 45.494 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 77 Resp: 244028

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.3	55.9
65	15.2	11.8	17.6

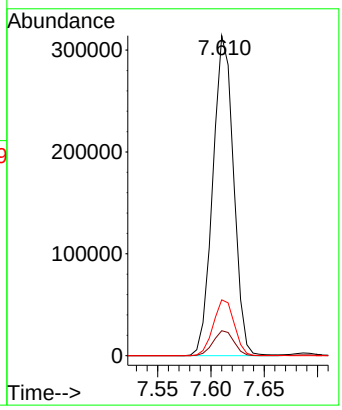




#25
Isophorone
Concen: 47.533 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 82 Resp: 42528

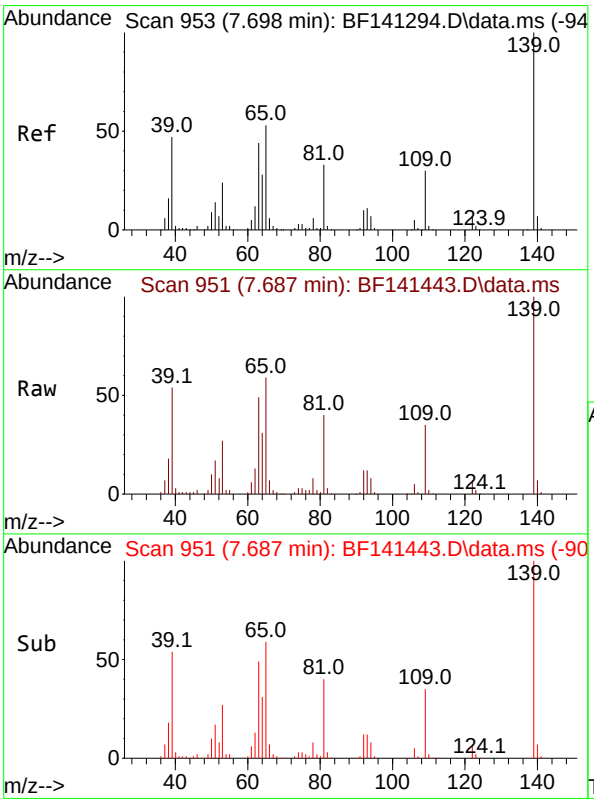
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.8	8.6
138	17.5	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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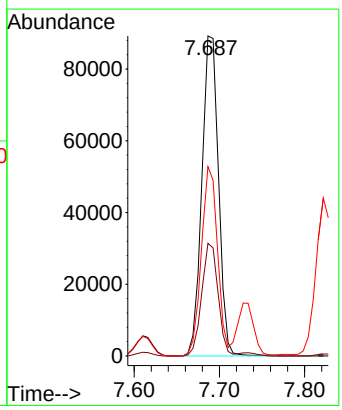
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

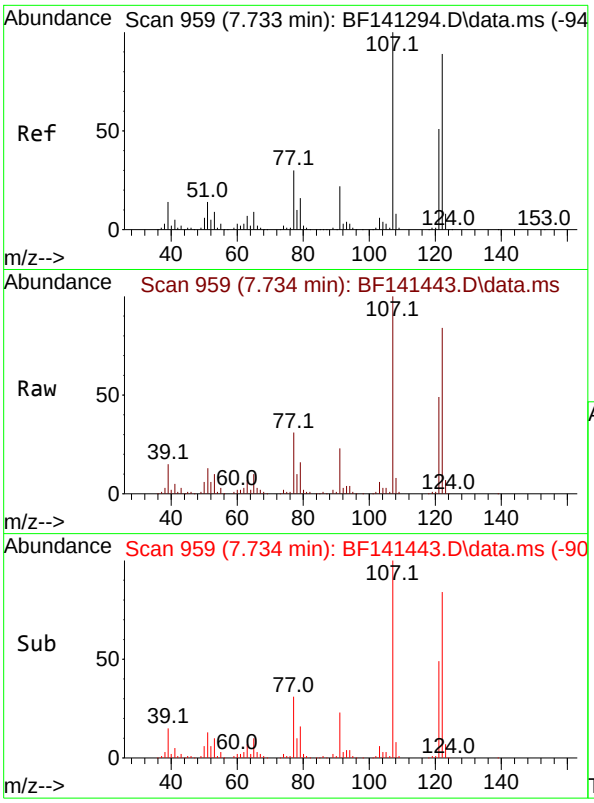


#26
2-Nitrophenol
Concen: 47.790 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:139 Resp: 120895

Ion	Ratio	Lower	Upper
139	100		
109	35.2	23.8	35.6
65	59.2	42.2	63.4

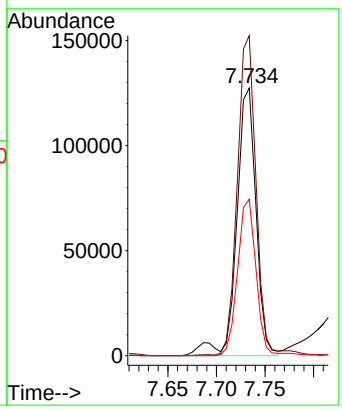




#27
2,4-Dimethylphenol
Concen: 54.920 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:122 Resp: 17683

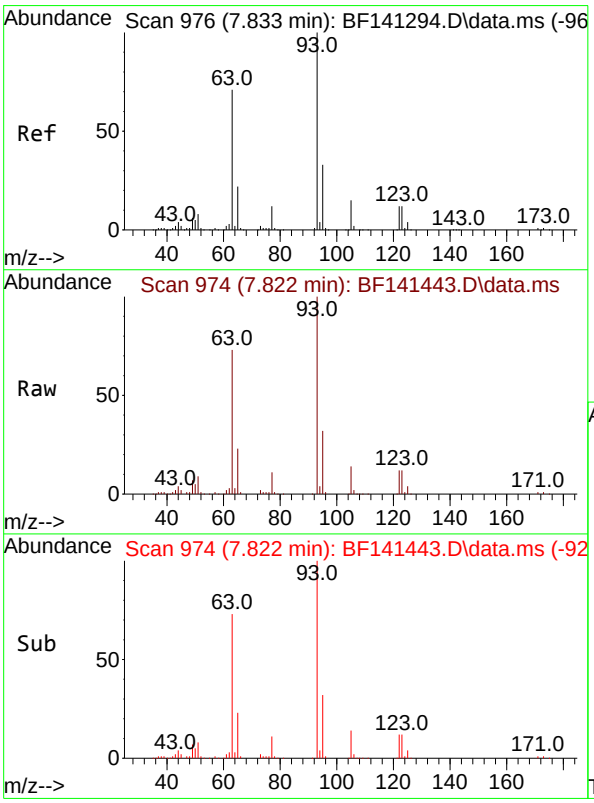
Ion	Ratio	Lower	Upper
122	100		
107	119.6	89.9	134.9
121	58.4	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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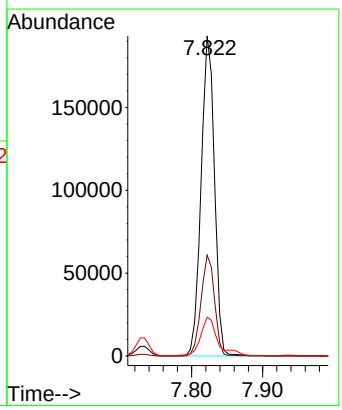
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

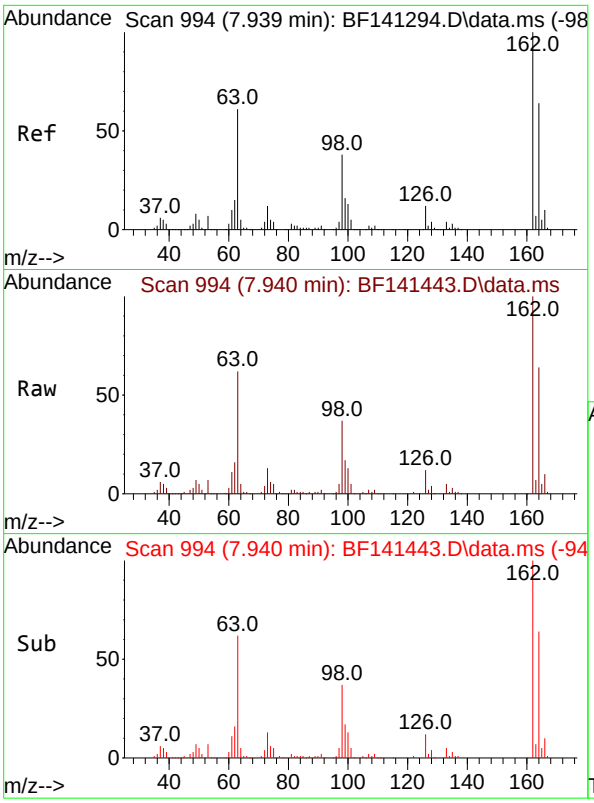


#28
bis(2-Chloroethoxy)methane
Concen: 44.498 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 93 Resp: 253960

Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.2	39.2
123	12.1	10.2	15.4

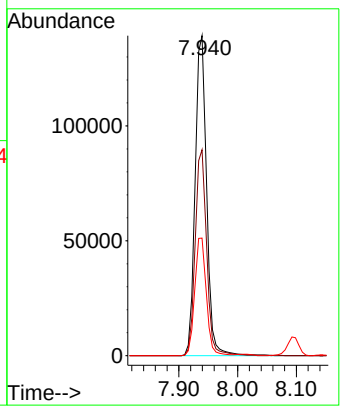




#29
2,4-Dichlorophenol
Concen: 47.951 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:162 Resp: 18901

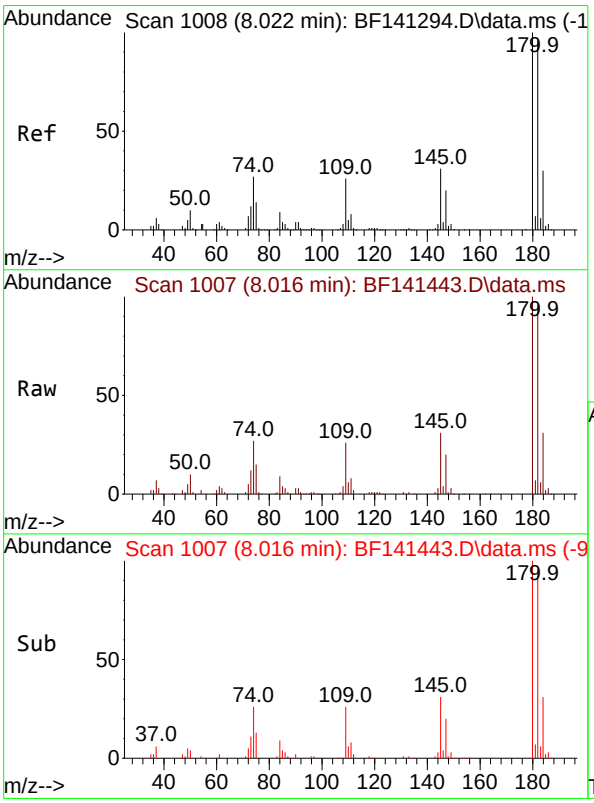
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	36.8	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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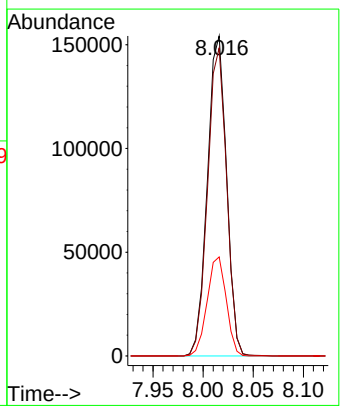
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

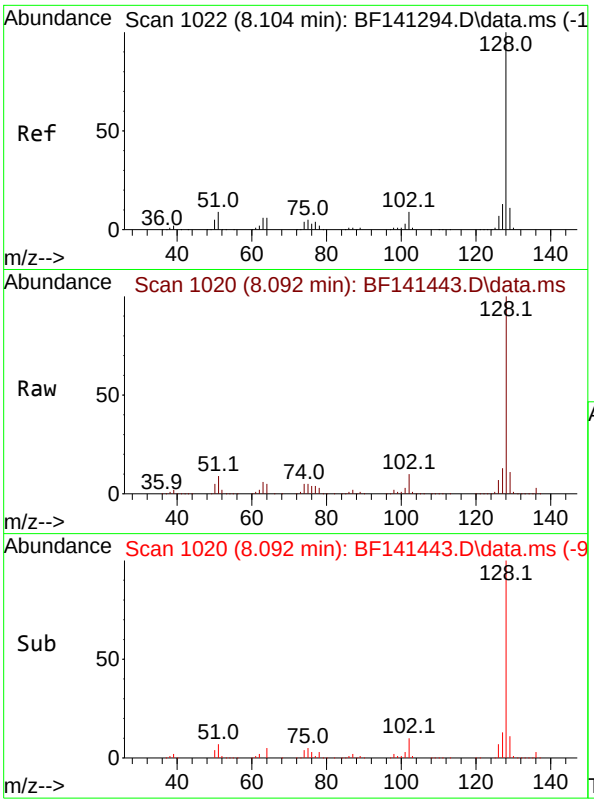


#30
1,2,4-Trichlorobenzene
Concen: 45.556 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:180 Resp: 205082

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
145	30.9	24.9	37.3





#31
Naphthalene
Concen: 46.160 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

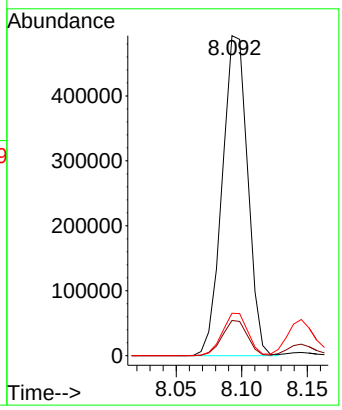
Tgt Ion:128 Resp: 66537

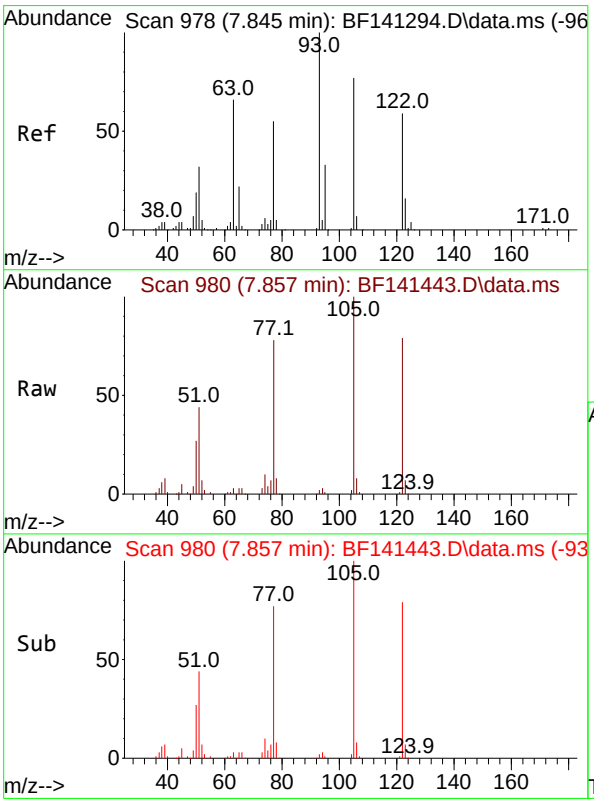
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

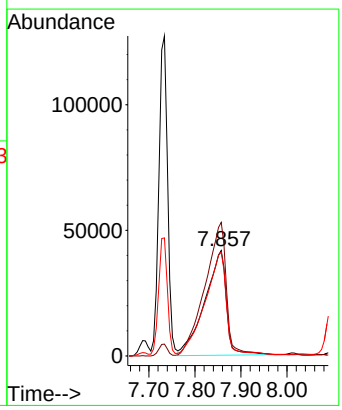


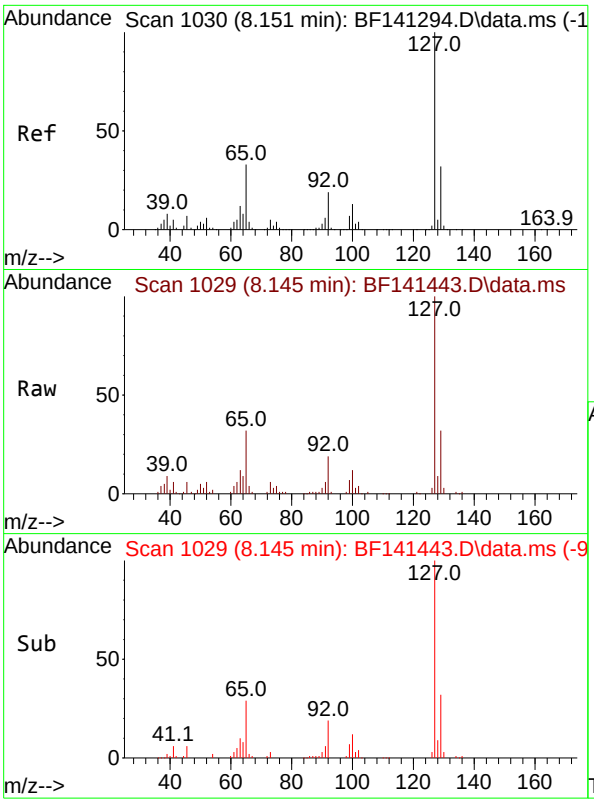


#32
Benzoic acid
Concen: 46.082 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:122 Resp: 136403

Ion	Ratio	Lower	Upper
122	100		
105	126.6	103.4	143.4
77	98.6	70.9	110.9

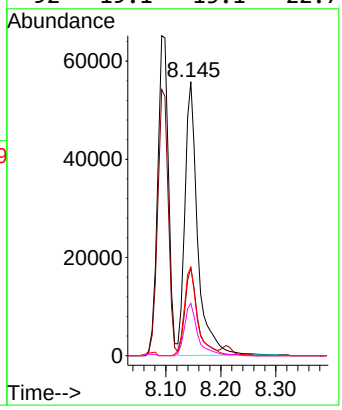




#33
4-Chloroaniline
Concen: 18.396 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:127 Resp: 8992

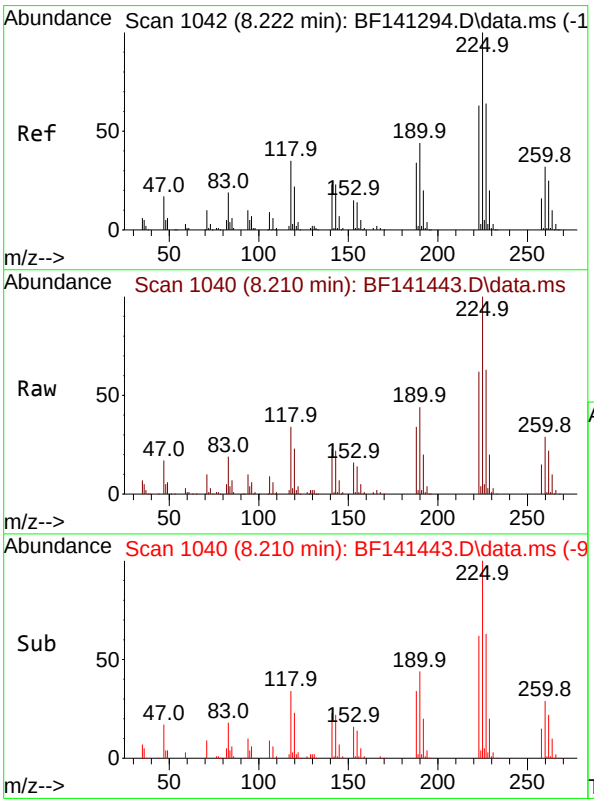
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	32.3	26.4	39.6
92	19.1	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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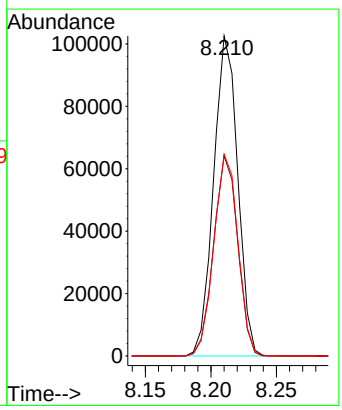
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

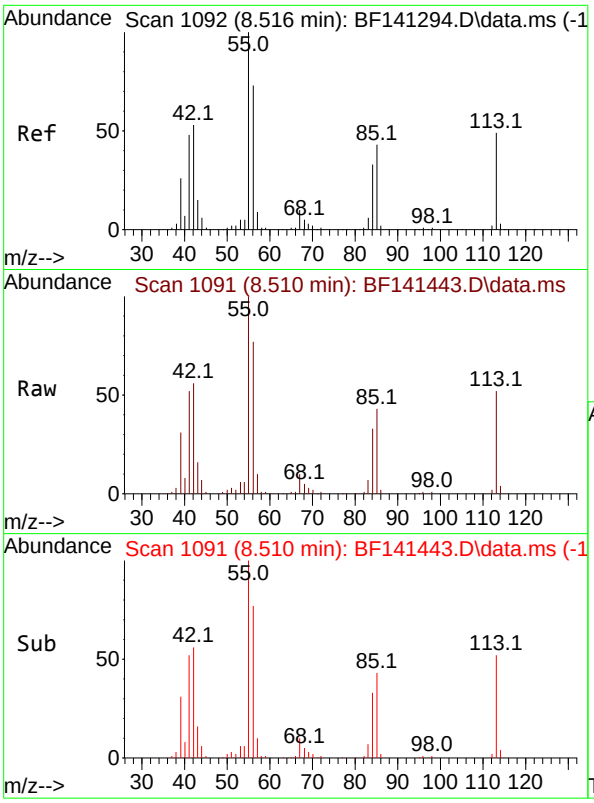


#34
Hexachlorobutadiene
Concen: 49.491 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:225 Resp: 130656

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	63.1	51.3	76.9

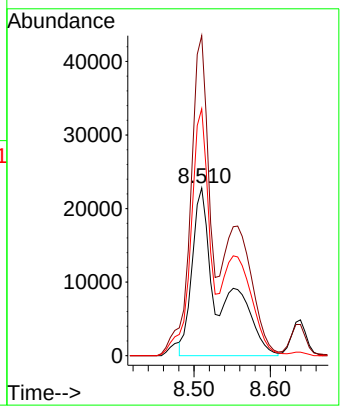




#35
Caprolactam
Concen: 46.278 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:113 Resp: 5957

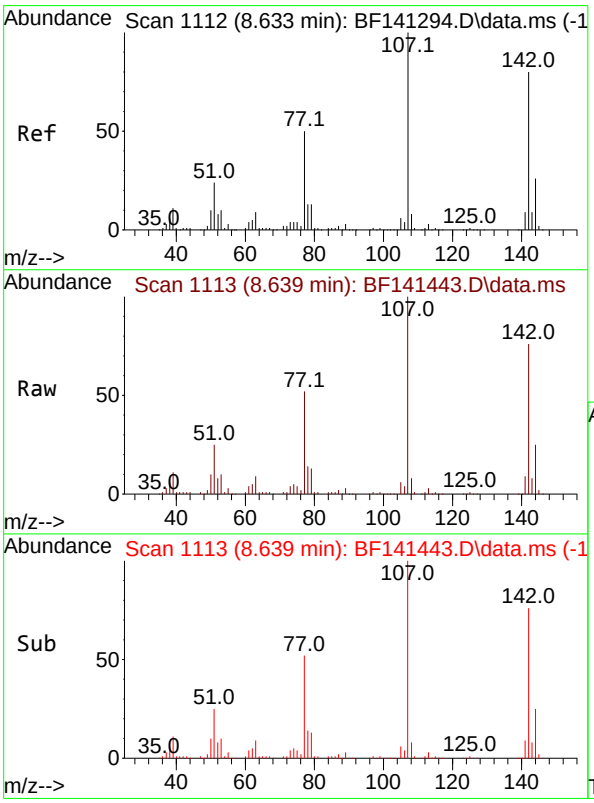
Ion	Ratio	Lower	Upper
113	100		
55	190.8	182.9	222.9
56	147.2	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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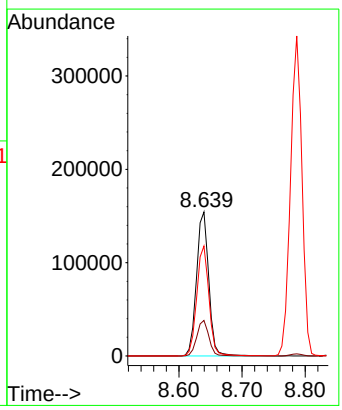
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

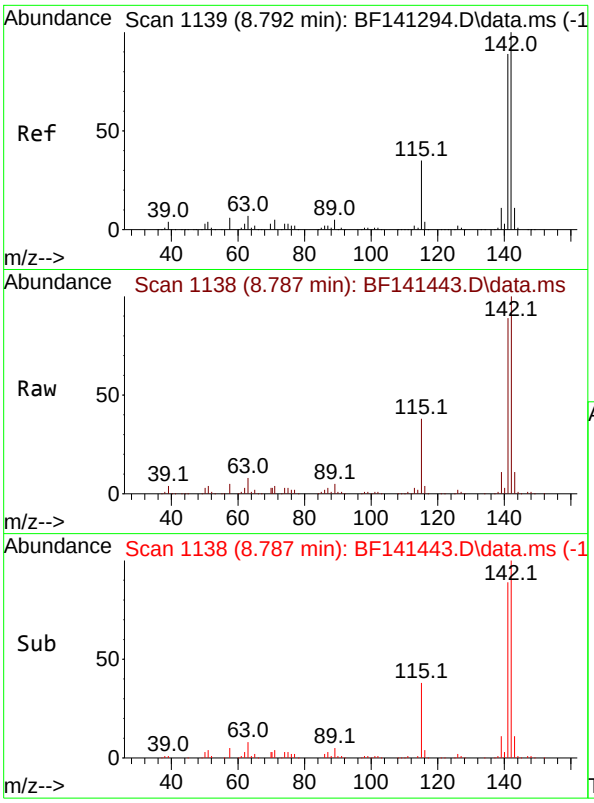


#36
4-Chloro-3-methylphenol
Concen: 49.066 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:107 Resp: 207462

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.7	31.1
142	76.4	63.8	95.8





#37
2-Methylnaphthalene
Concen: 47.352 ng
RT: 8.787 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

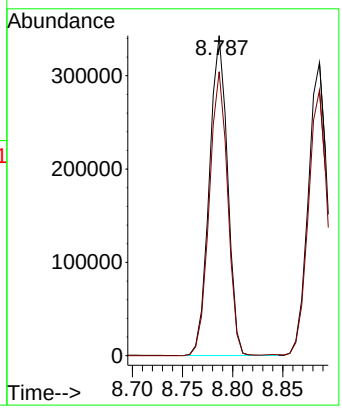
Tgt Ion:142 Resp: 43382

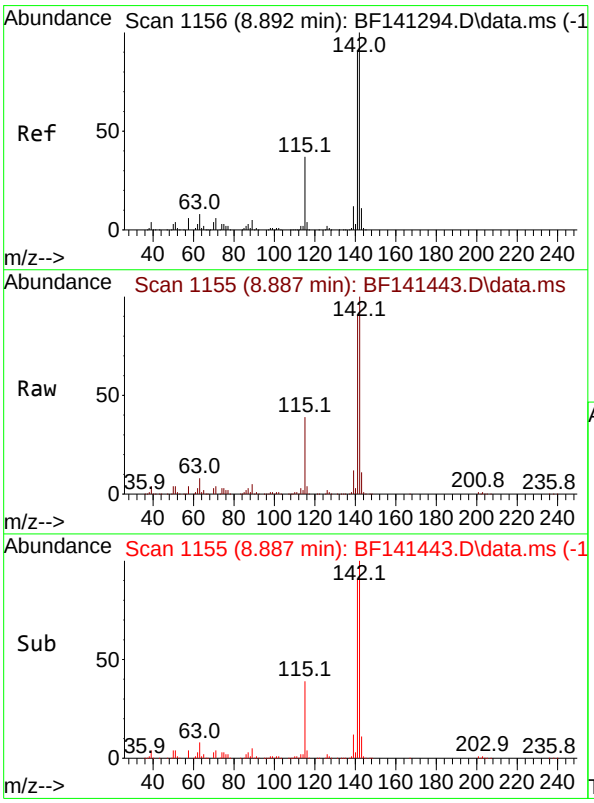
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

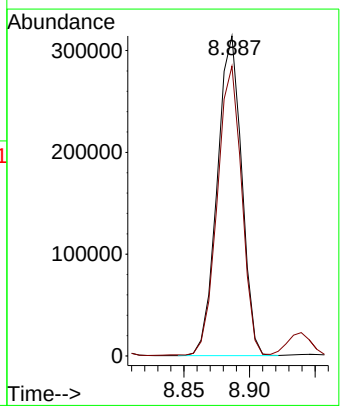


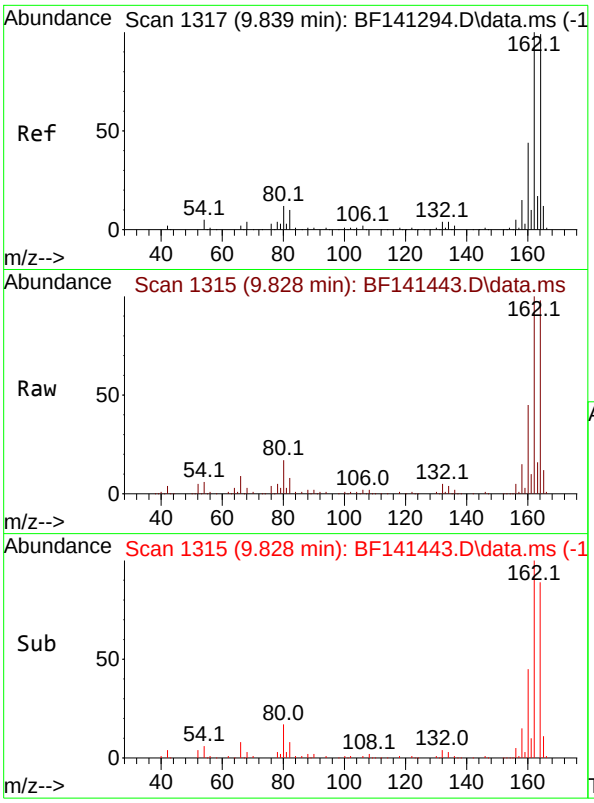


#38
1-Methylnaphthalene
Concen: 45.209 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:142 Resp: 406864

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.2	109.8

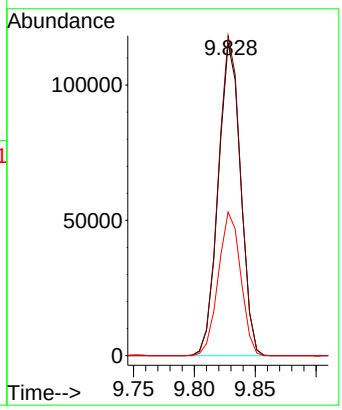




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:164 Resp: 14723

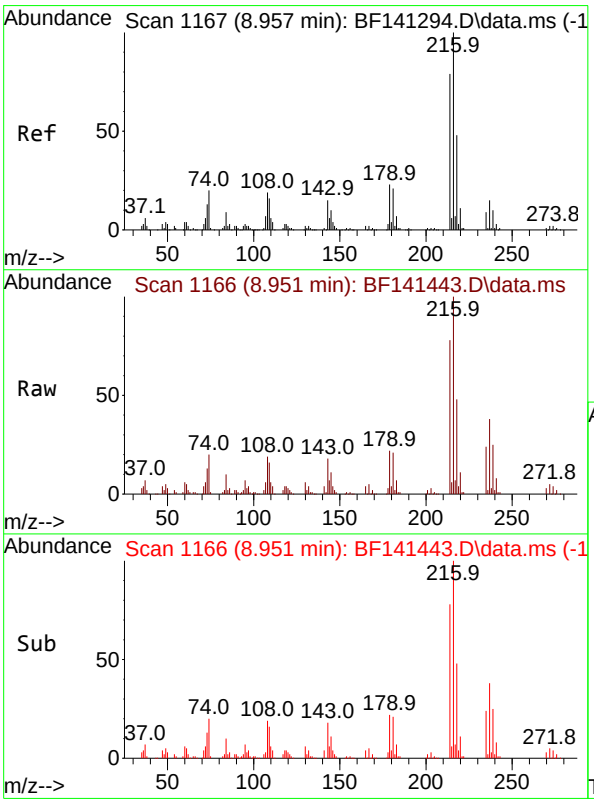
Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	121.0
160	46.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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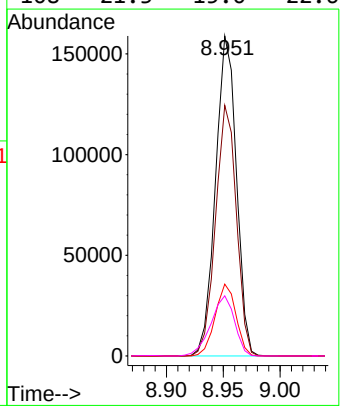
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

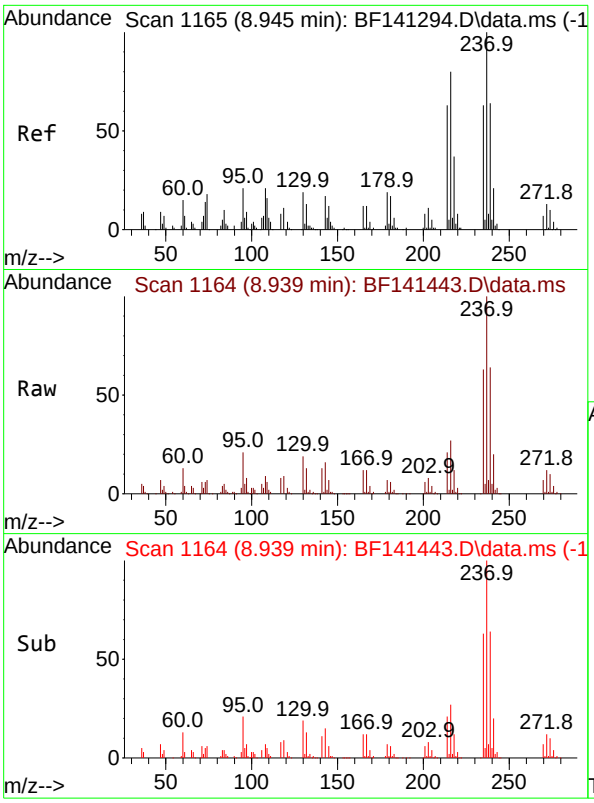


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.587 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:216 Resp: 203516

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.2	94.8
179	22.4	17.8	26.8
108	21.3	15.0	22.6

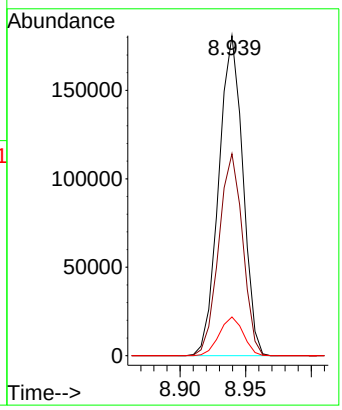




#41
Hexachlorocyclopentadiene
Concen: 186.564 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:237 Resp: 23078

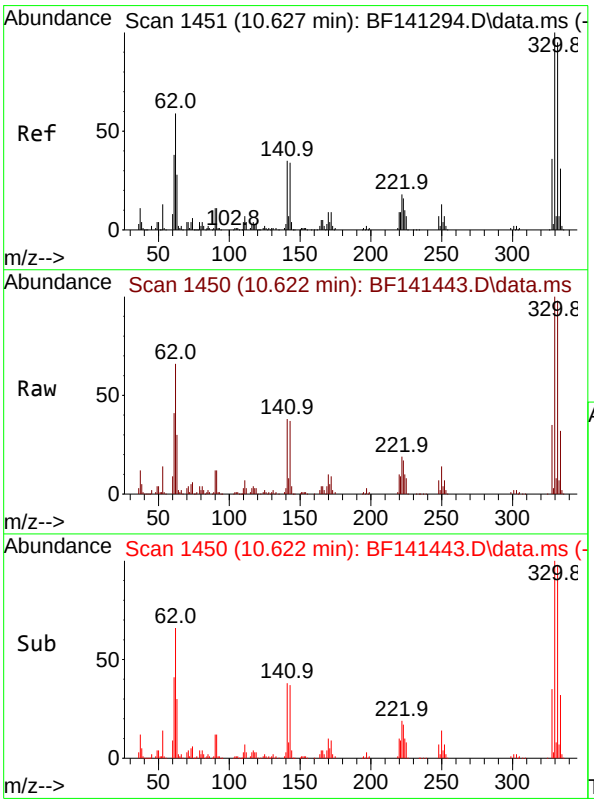
Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.9	82.9
272	12.1	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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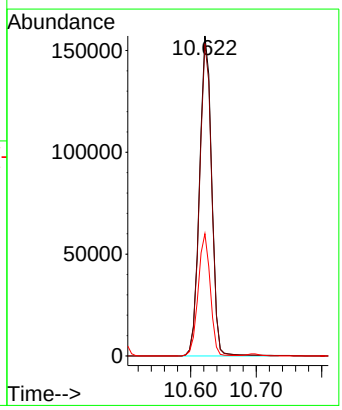
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

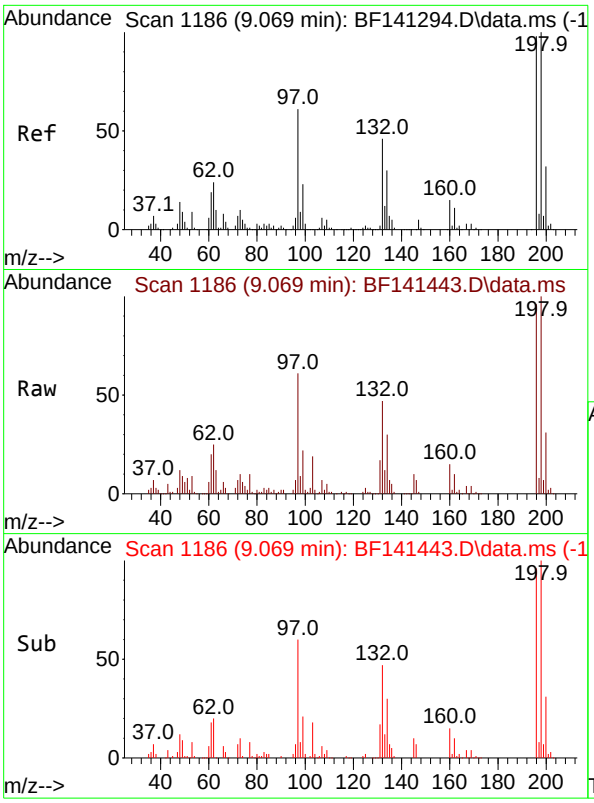


#42
2,4,6-Tribromophenol
Concen: 150.955 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:330 Resp: 203760

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.1	114.1
141	37.9	28.8	43.2

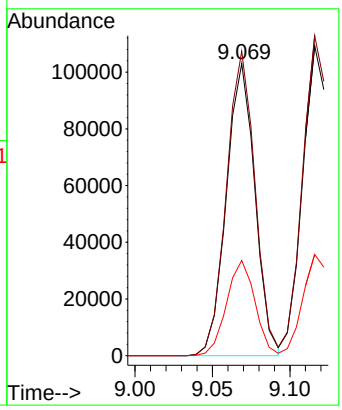




#43
2,4,6-Trichlorophenol
Concen: 48.150 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:196 Resp: 13200

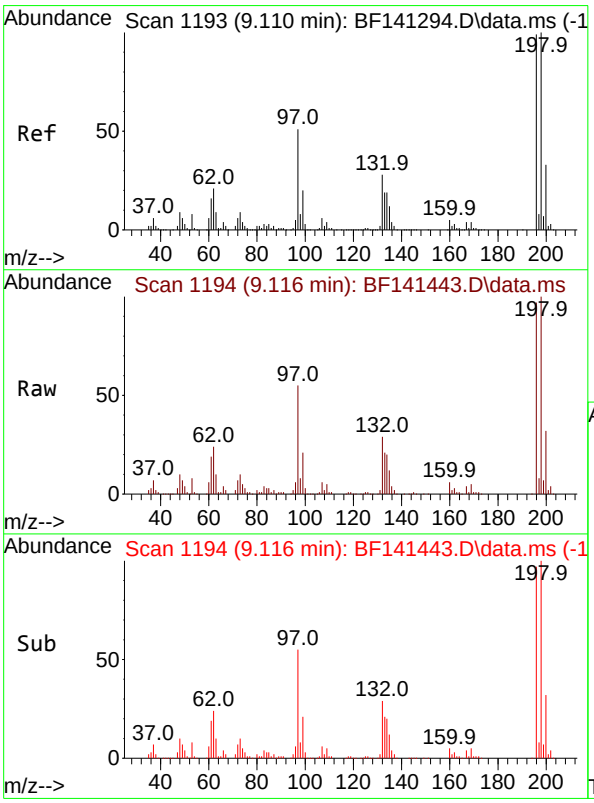
Ion	Ratio	Lower	Upper
196	100		
198	104.2	81.8	122.6
200	32.6	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

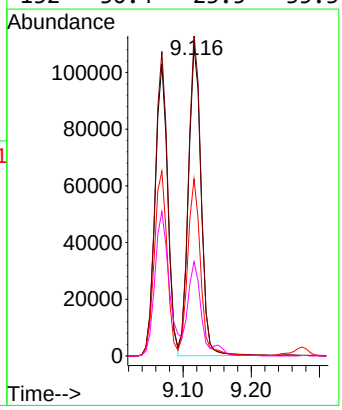
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

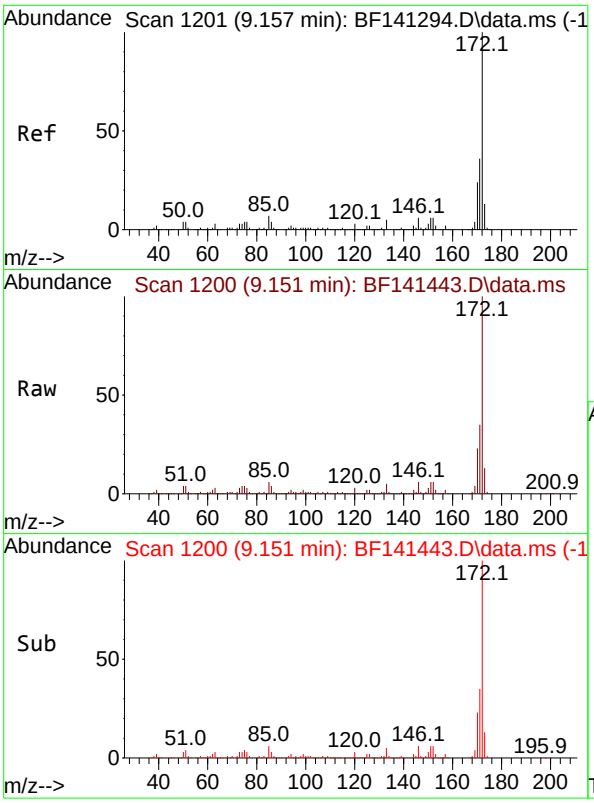


#44
2,4,5-Trichlorophenol
Concen: 46.752 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:196 Resp: 139507

Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.5	120.7
97	57.2	42.8	64.2
132	30.4	23.5	35.3

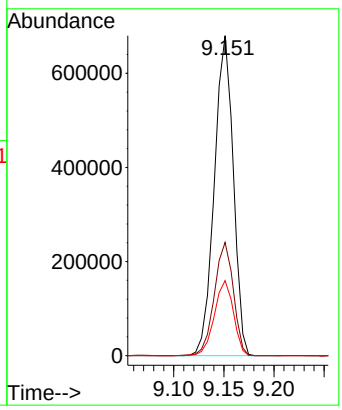




#45
2-Fluorobiphenyl
Concen: 93.364 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:172 Resp: 89309

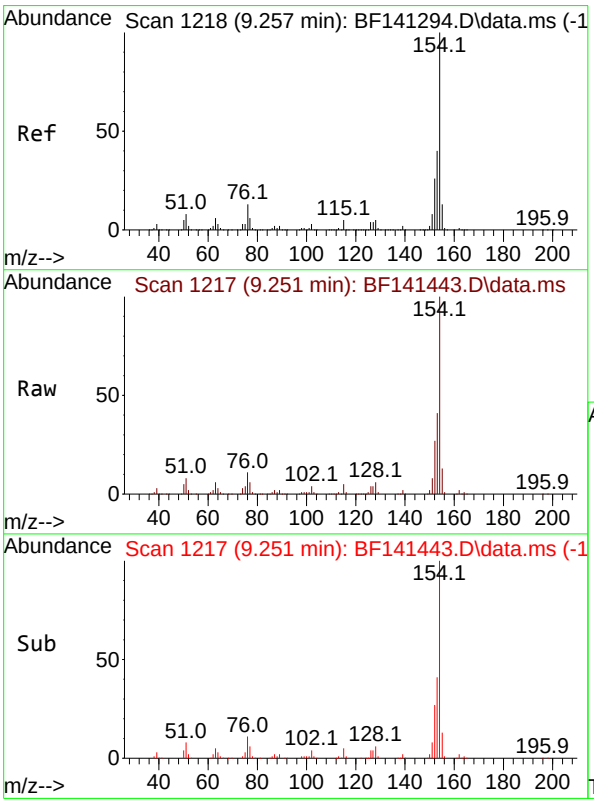
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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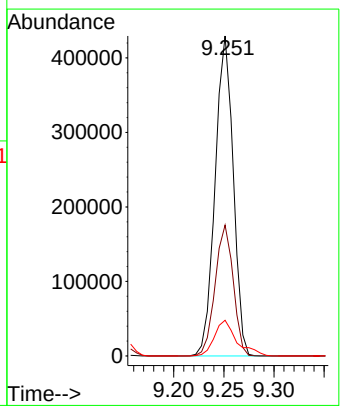
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

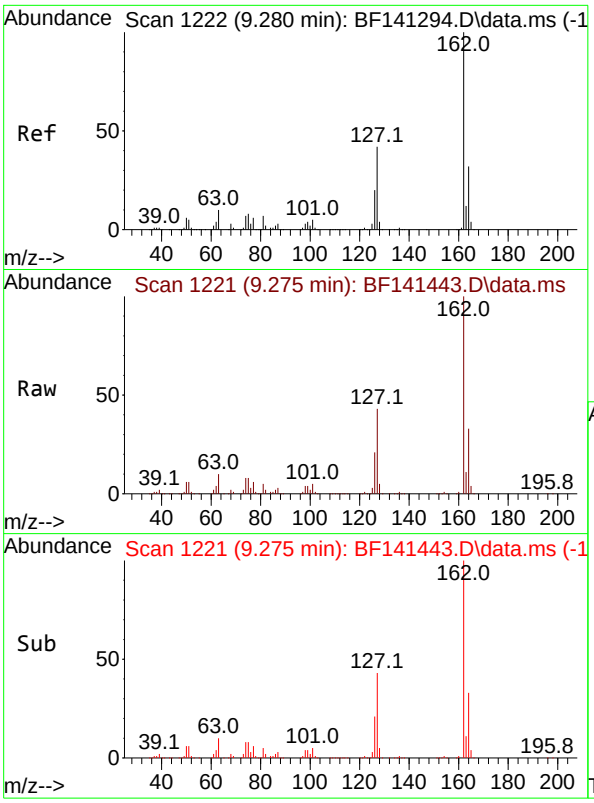


#46
1,1'-Biphenyl
Concen: 46.812 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:154 Resp: 537519

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.0	60.0
76	11.1	0.0	32.8

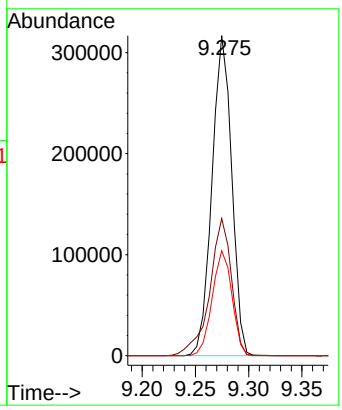




#47
2-Chloronaphthalene
Concen: 45.599 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:162 Resp: 40811

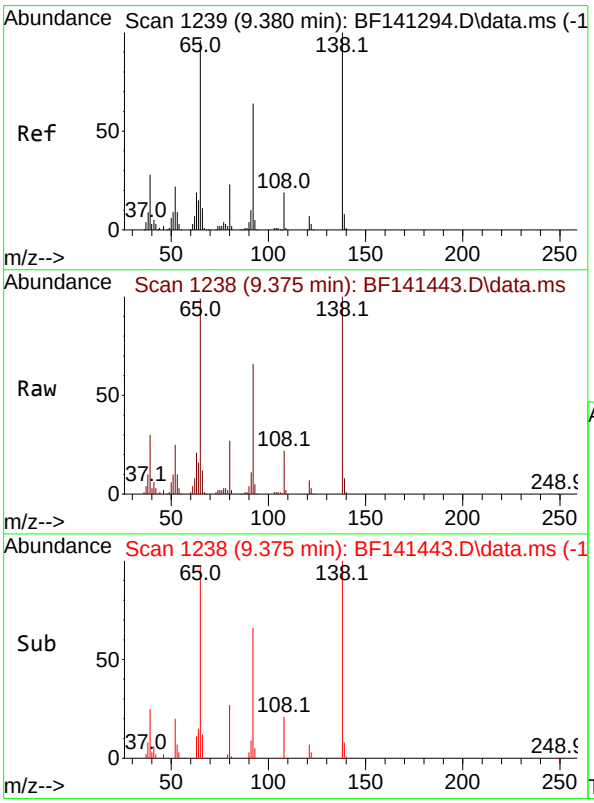
Ion	Ratio	Lower	Upper
162	100		
127	42.9	33.7	50.5
164	32.8	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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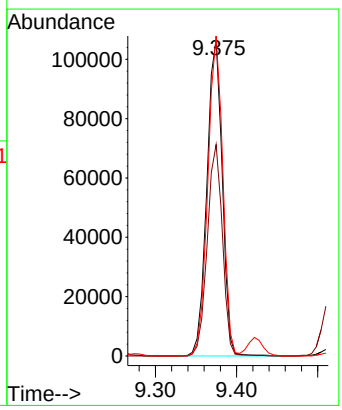
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

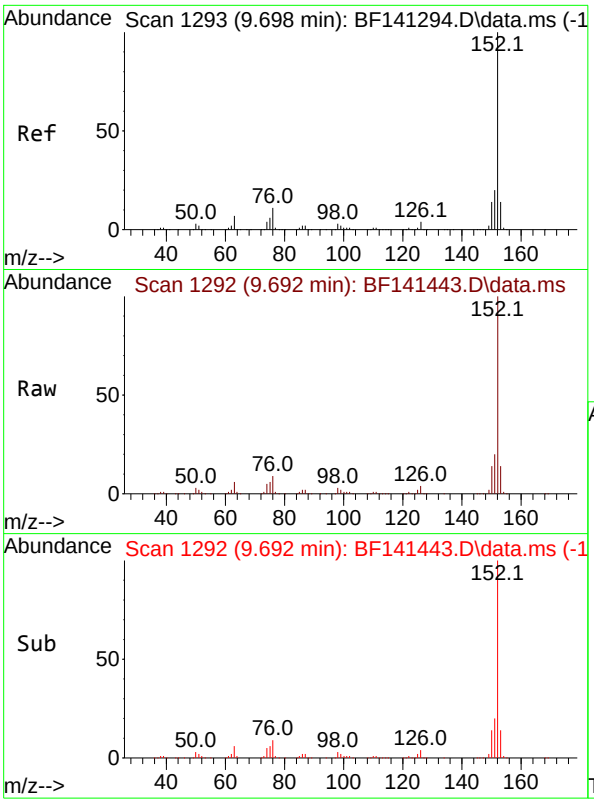


#48
2-Nitroaniline
Concen: 49.666 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 65 Resp: 139818

Ion	Ratio	Lower	Upper
65	100		
92	66.9	53.3	79.9
138	101.3	83.6	125.4

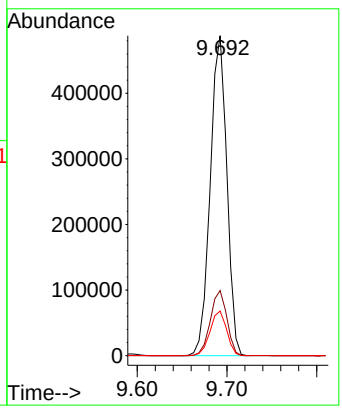




#49
Acenaphthylene
Concen: 49.994 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:152 Resp: 62634

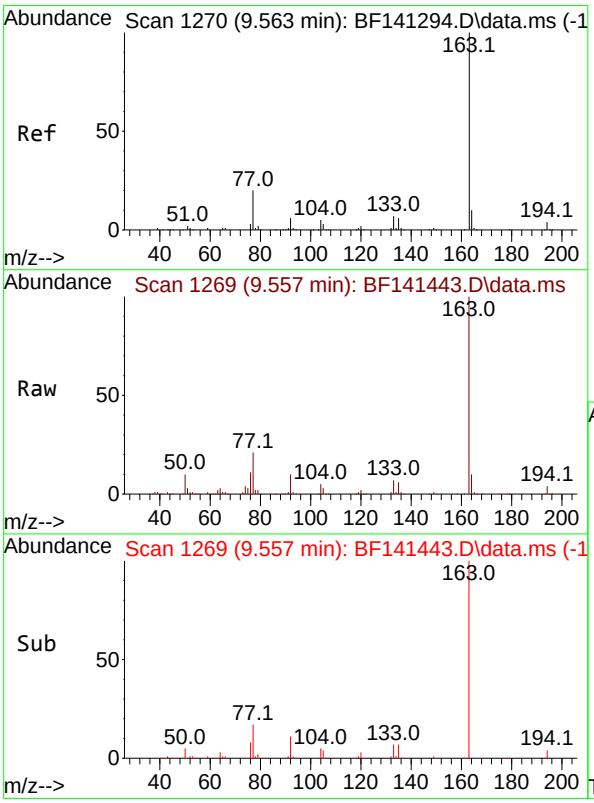
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.9	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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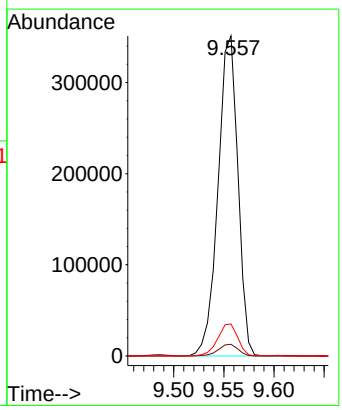
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

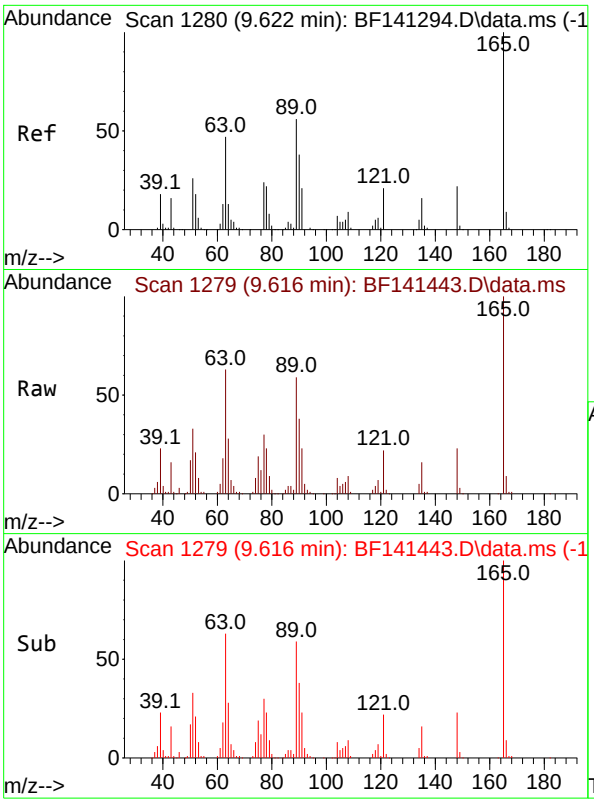


#50
Dimethylphthalate
Concen: 48.629 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:163 Resp: 483574

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.0	8.0	12.0

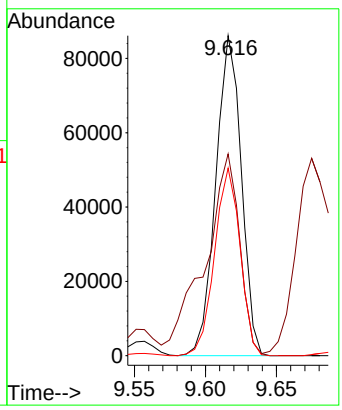




#51
2,6-Dinitrotoluene
Concen: 46.591 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:165 Resp: 10757

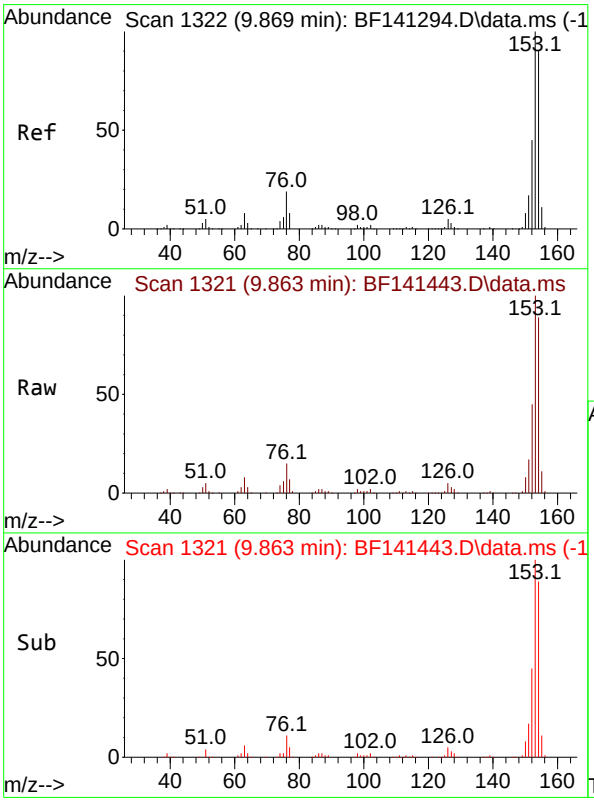
Ion	Ratio	Lower	Upper
165	100		
63	63.0	48.1	72.1
89	58.6	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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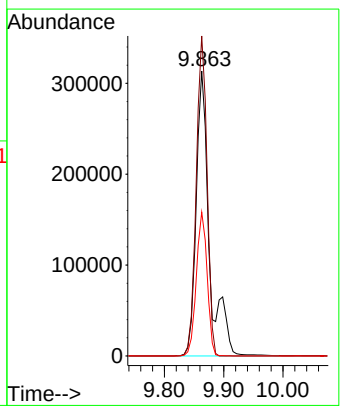
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

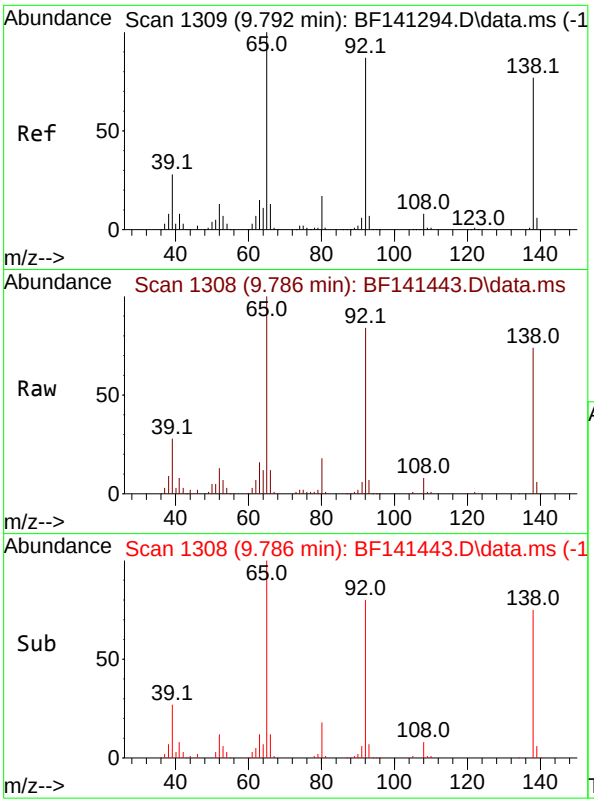


#52
Acenaphthene
Concen: 54.358 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:154 Resp: 486518

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.0	133.4
152	50.5	40.2	60.4





#53
3-Nitroaniline
Concen: 26.840 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

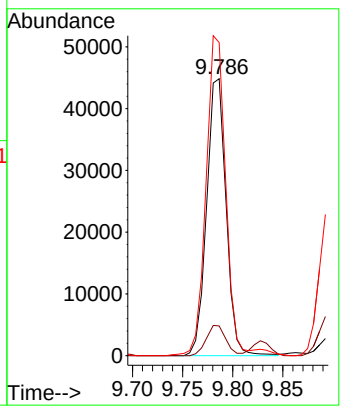
Tgt Ion:138 Resp: 6073

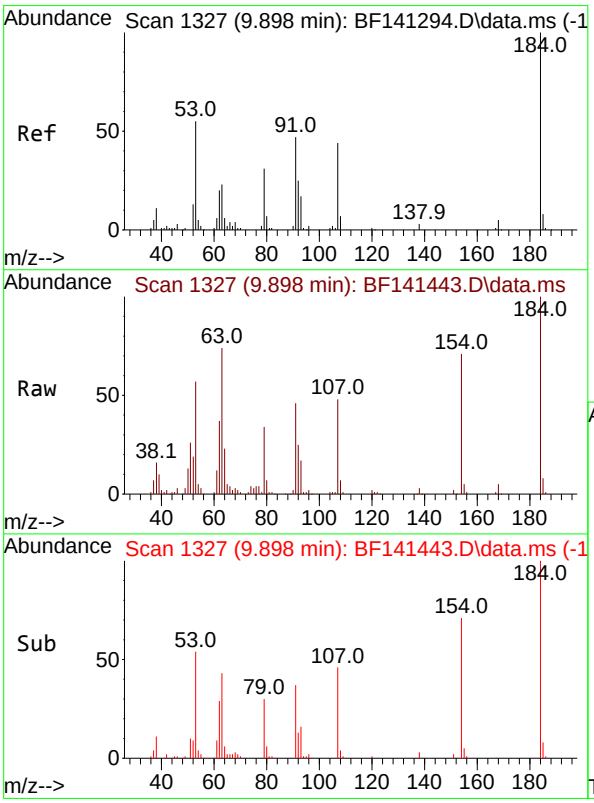
Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	113.1	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

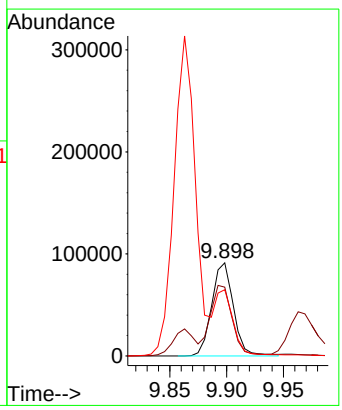


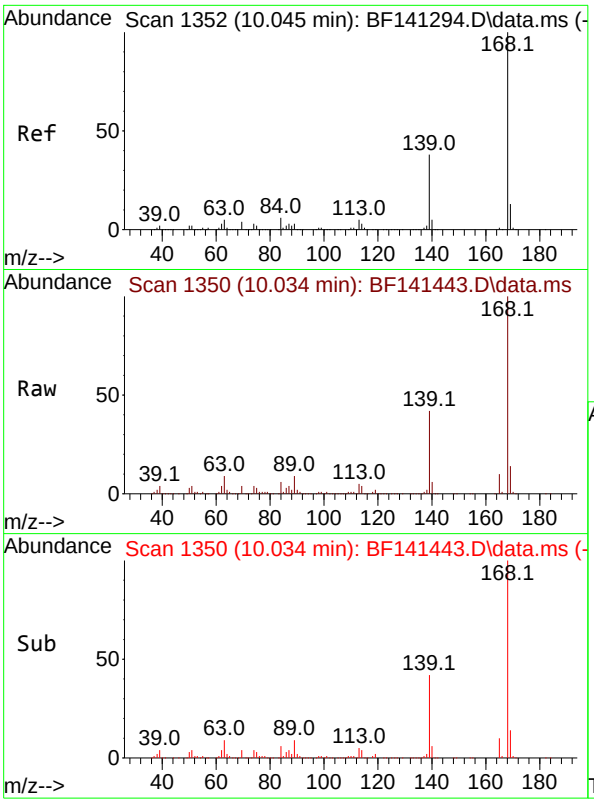


#54
2,4-Dinitrophenol
Concen: 113.070 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:184 Resp: 121360

Ion	Ratio	Lower	Upper
184	100		
63	73.9	54.1	81.1
154	71.2	50.7	76.1

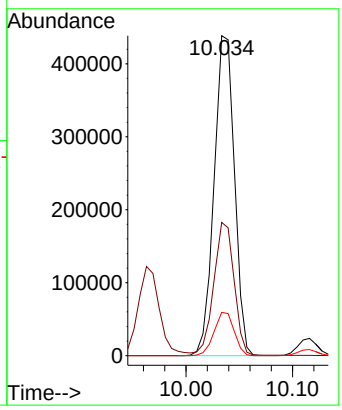




#55
Dibenzofuran
Concen: 48.552 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:168 Resp: 58167

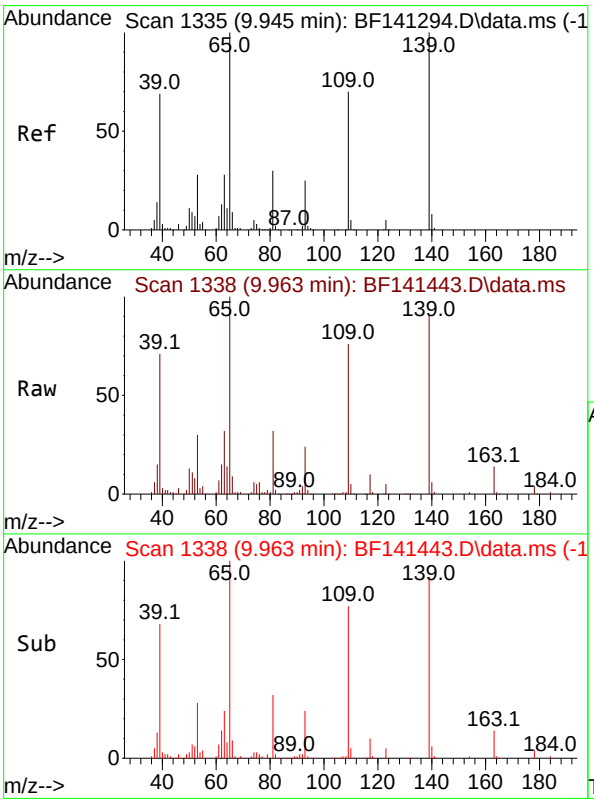
Ion	Ratio	Lower	Upper
168	100		
139	41.7	30.6	46.0
169	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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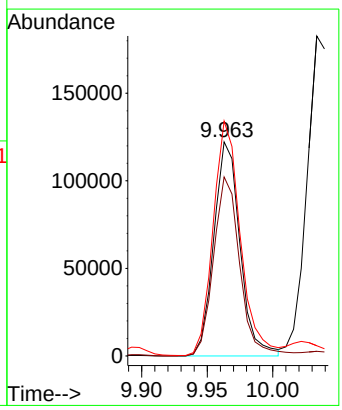
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

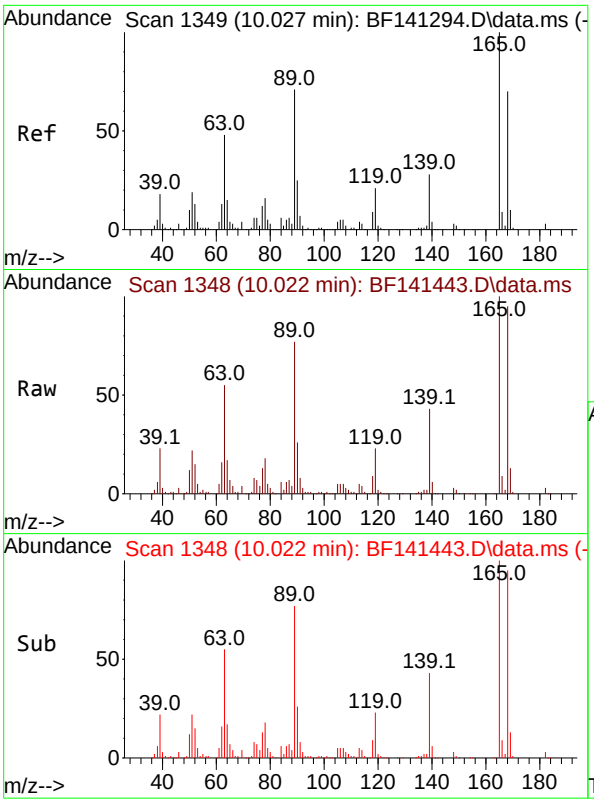


#56
4-Nitrophenol
Concen: 102.622 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:139 Resp: 169841

Ion	Ratio	Lower	Upper
139	100		
109	83.6	50.2	90.2
65	109.7	80.6	120.6

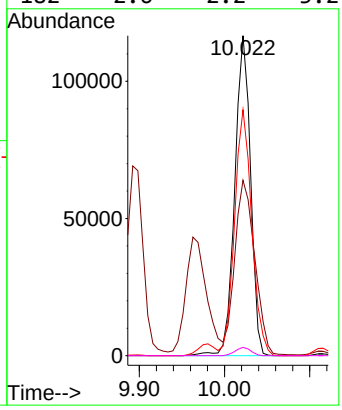




#57
2,4-Dinitrotoluene
Concen: 50.041 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:165 Resp: 14959

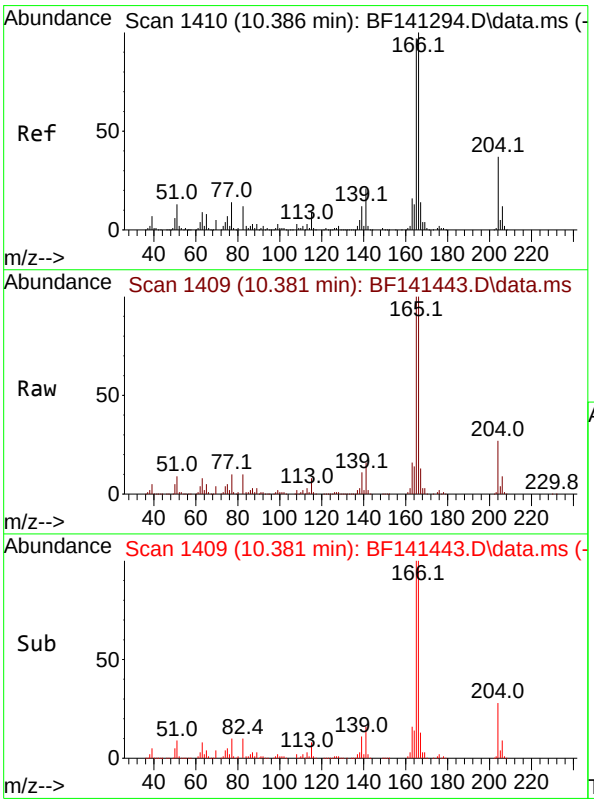
Ion	Ratio	Lower	Upper
165	100		
63	54.8	39.2	58.8
89	76.9	56.9	85.3
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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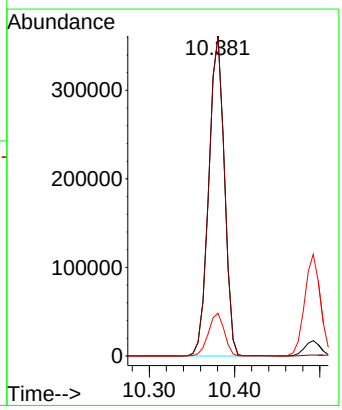
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

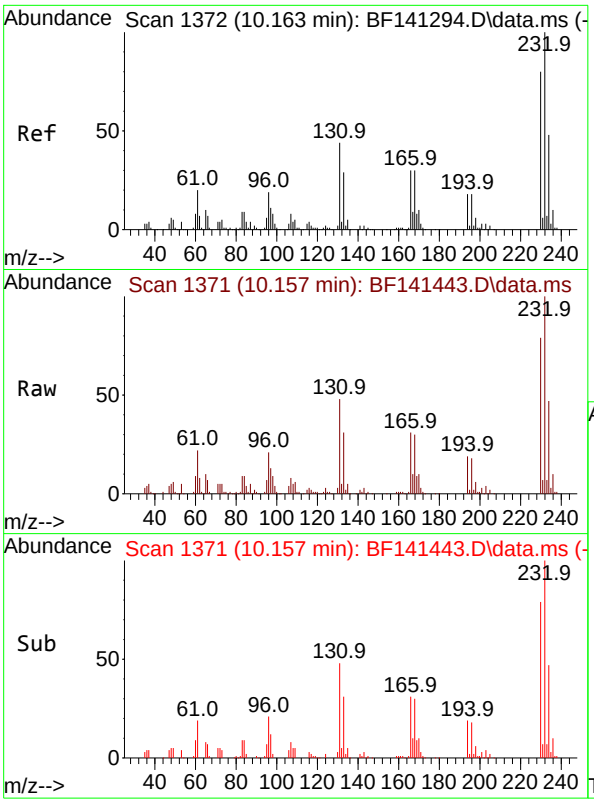


#58
Fluorene
Concen: 49.478 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:166 Resp: 459804

Ion	Ratio	Lower	Upper
166	100		
165	99.7	77.5	116.3
167	13.4	10.9	16.3

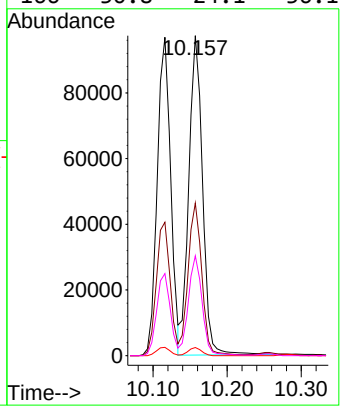




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.434 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:232 Resp: 12543

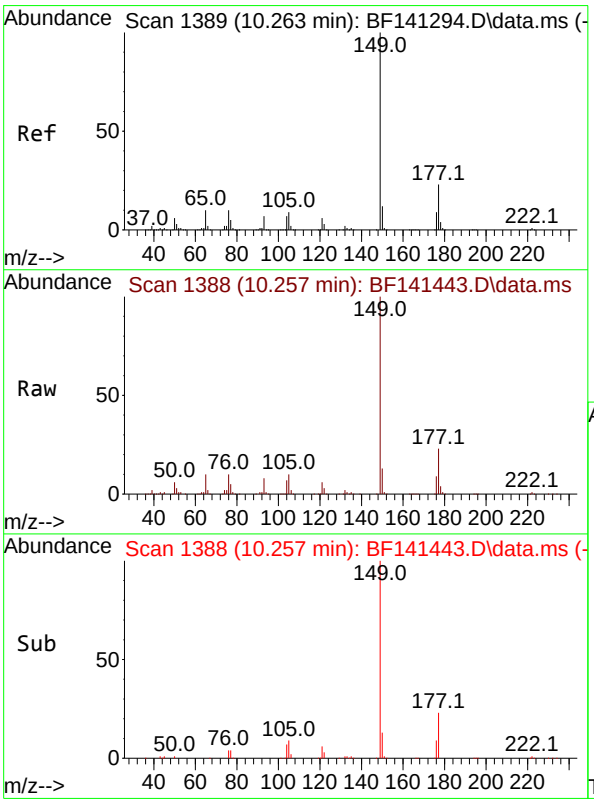
Ion	Ratio	Lower	Upper
232	100		
131	48.0	36.4	54.6
130	2.5	1.9	2.9
166	30.8	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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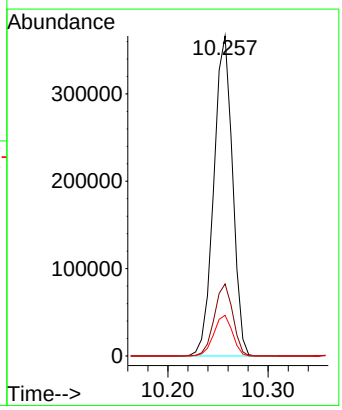
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

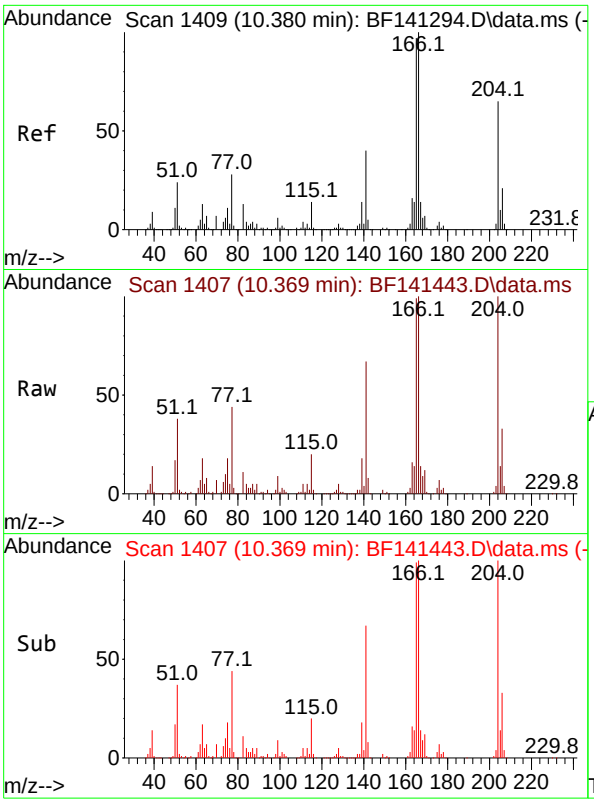


#60
Diethylphthalate
Concen: 49.239 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:149 Resp: 474765

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 49.199 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

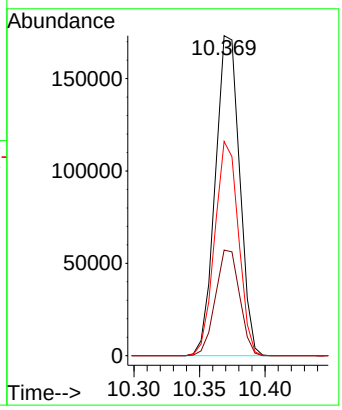
Tgt Ion:204 Resp: 22333

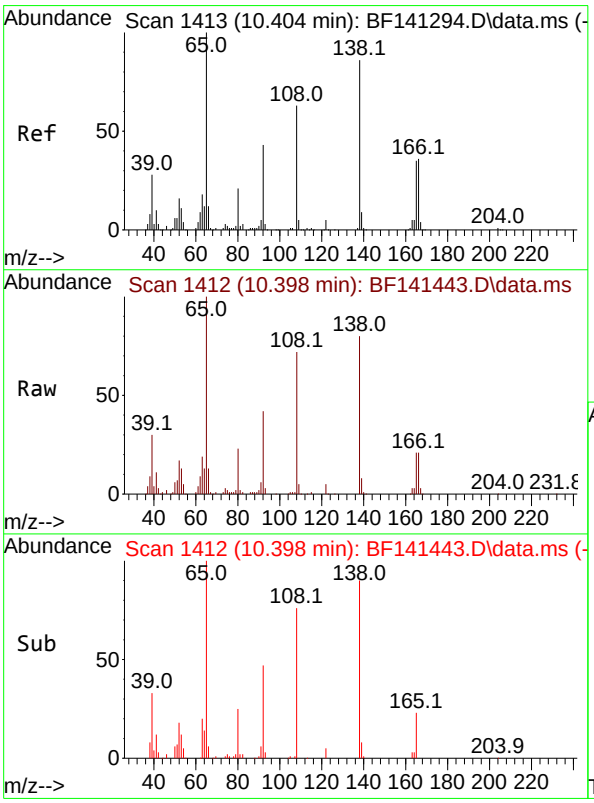
Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.9	38.9
141	66.9	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

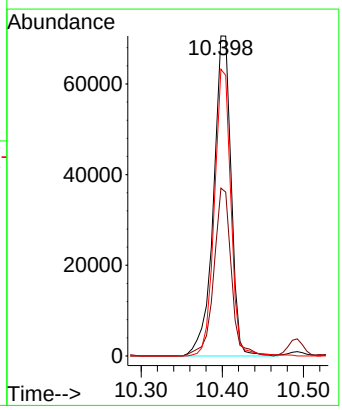


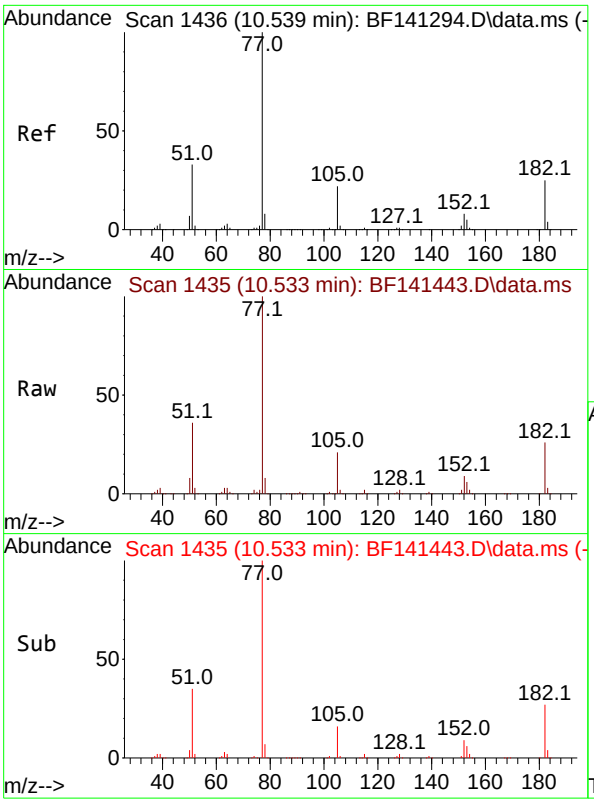


#62
4-Nitroaniline
Concen: 47.972 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:138 Resp: 106731

Ion	Ratio	Lower	Upper
138	100		
92	52.4	30.1	70.1
108	89.6	53.1	93.1

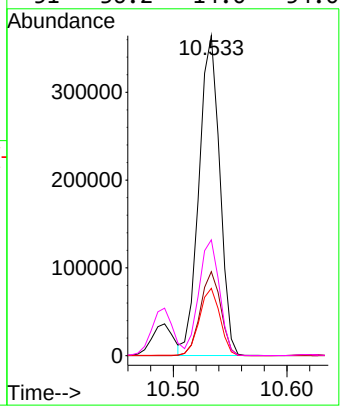




#63
Azobenzene
Concen: 47.878 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion: 77 Resp: 46209

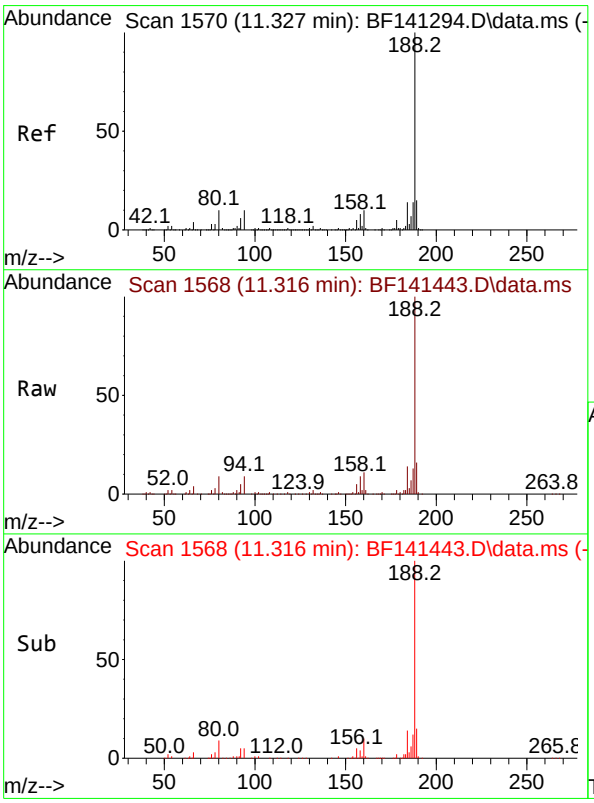
Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.1	45.1
105	21.1	1.8	41.8
51	36.2	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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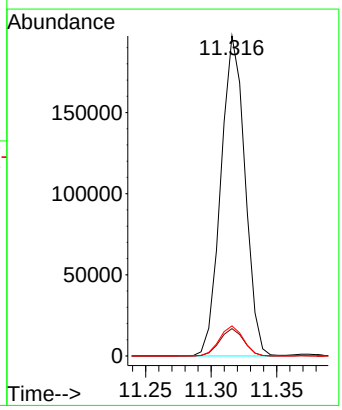
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

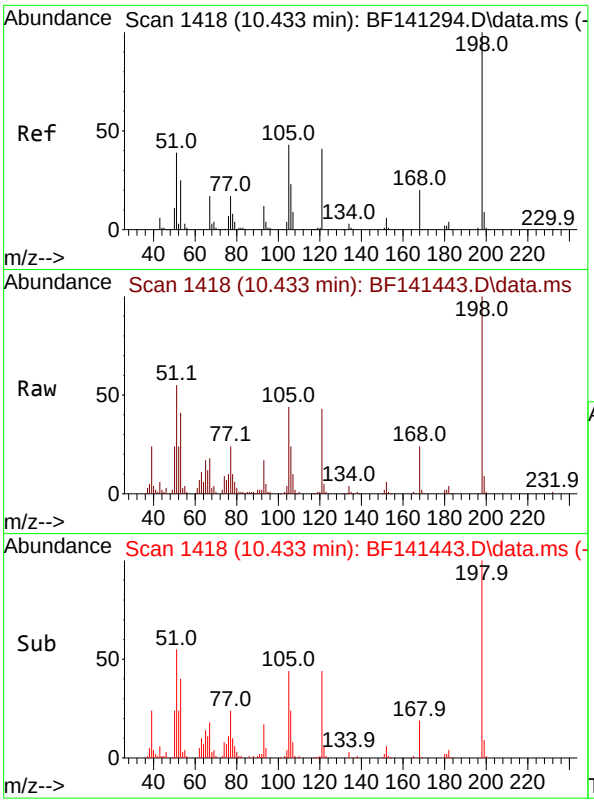


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:188 Resp: 252391

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.8	11.6
80	9.4	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 56.995 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

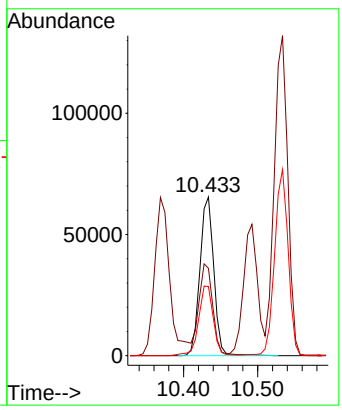
Tgt Ion:198 Resp: 8508

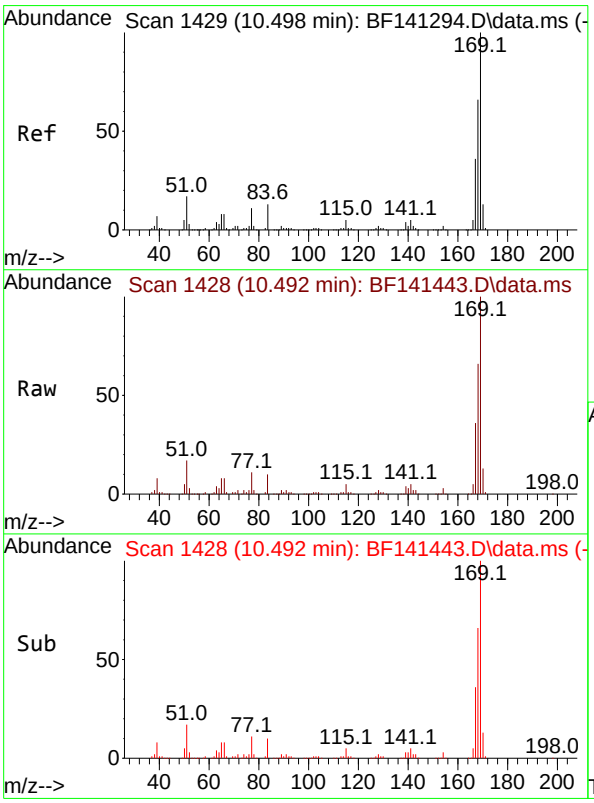
Ion	Ratio	Lower	Upper
198	100		
51	55.0	33.4	73.4
105	43.5	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

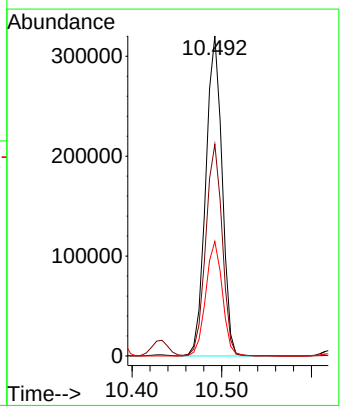


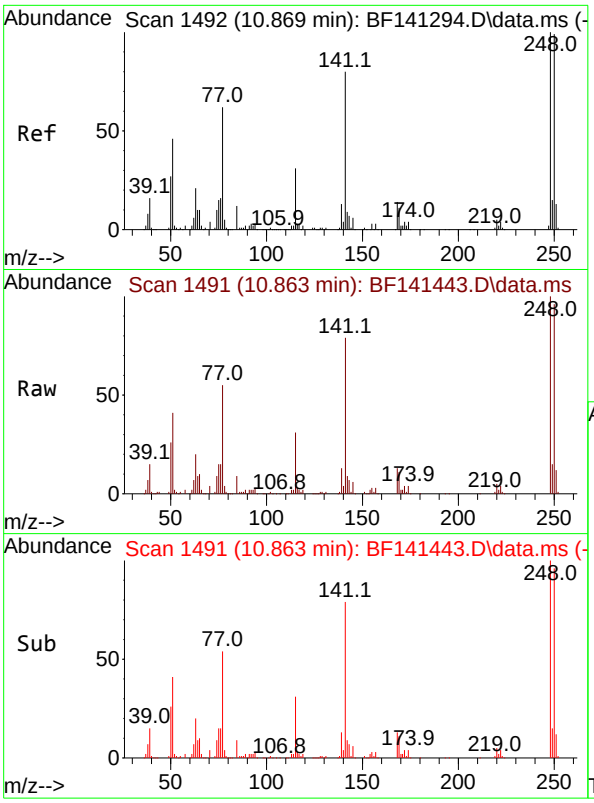


#66
n-Nitrosodiphenylamine
Concen: 49.620 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:169 Resp: 405060

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.8	28.8	43.2

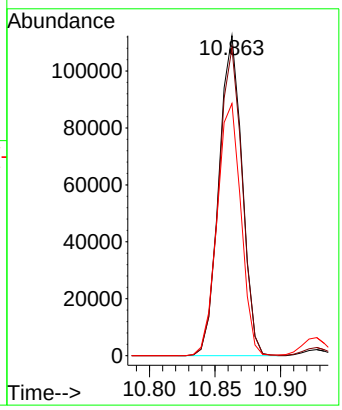




#67
4-Bromophenyl-phenylether
Concen: 48.903 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:248 Resp: 13818(

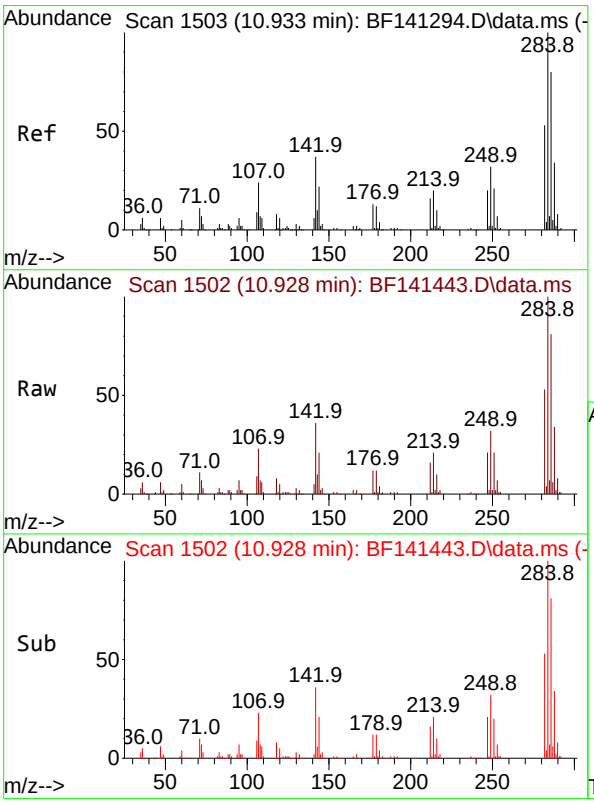
Ion	Ratio	Lower	Upper
248	100		
250	96.2	79.0	118.4
141	78.8	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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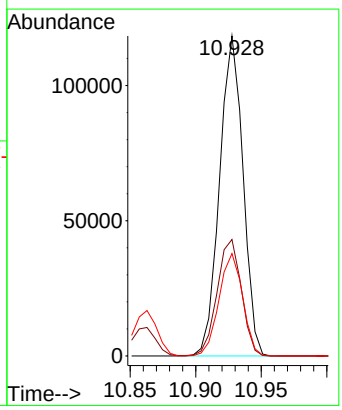
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

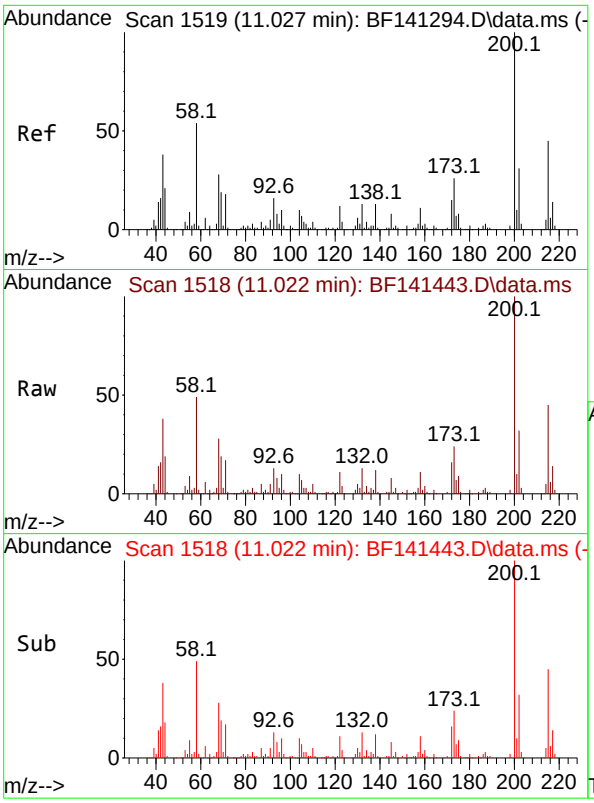


#68
Hexachlorobenzene
Concen: 49.019 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:284 Resp: 146924

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.5	44.3
249	32.0	25.4	38.2

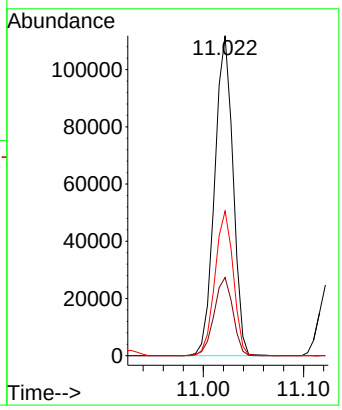




#69
Atrazine
Concen: 52.117 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:200 Resp: 14224

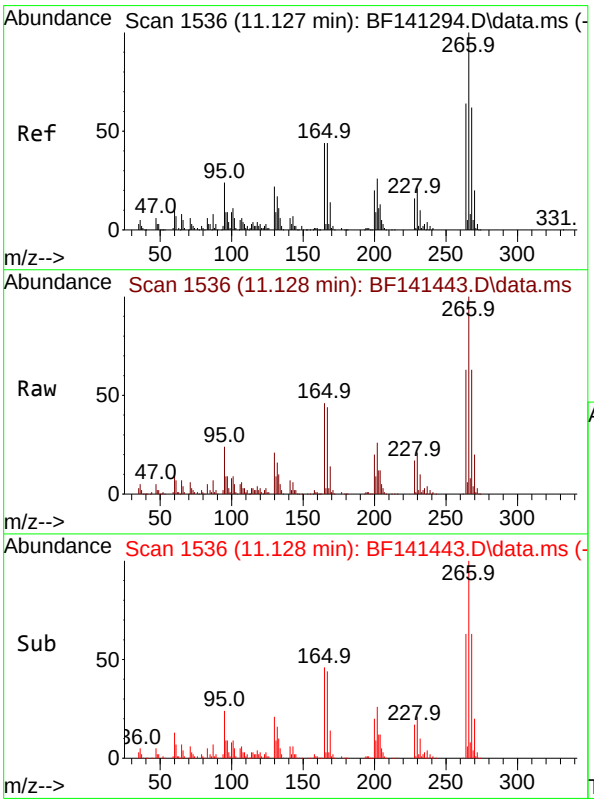
Ion	Ratio	Lower	Upper
200	100		
173	24.4	5.9	45.9
215	45.2	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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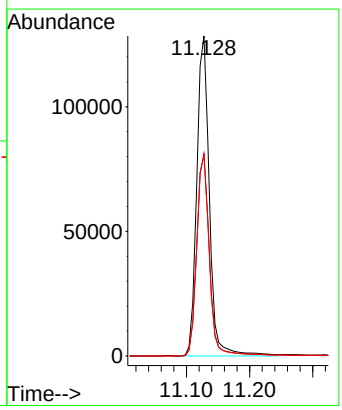
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

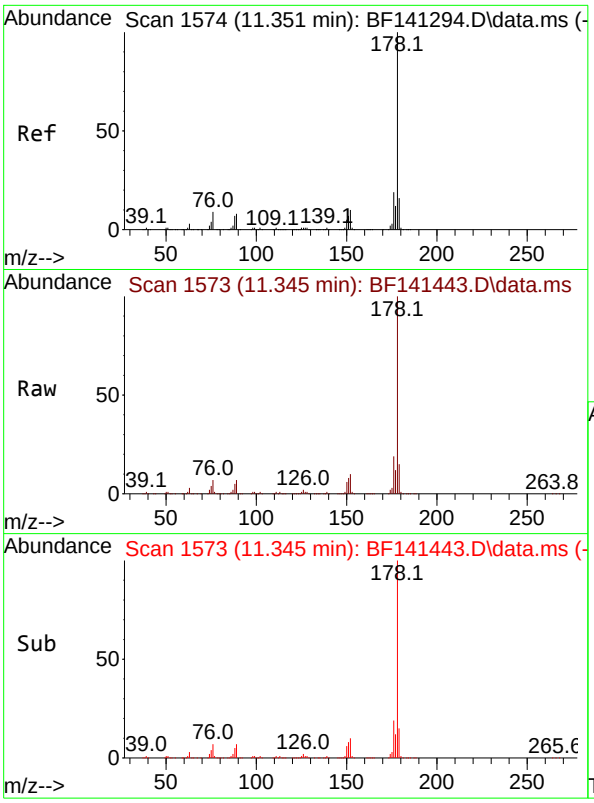


#70
Pentachlorophenol
Concen: 101.496 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:266 Resp: 178140

Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.9	74.9
264	62.8	51.0	76.4





#71
Phenanthrene
Concen: 51.836 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

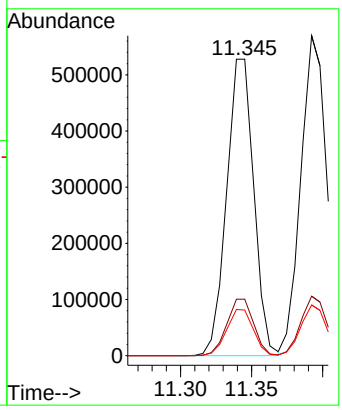
Tgt Ion:178 Resp: 70326

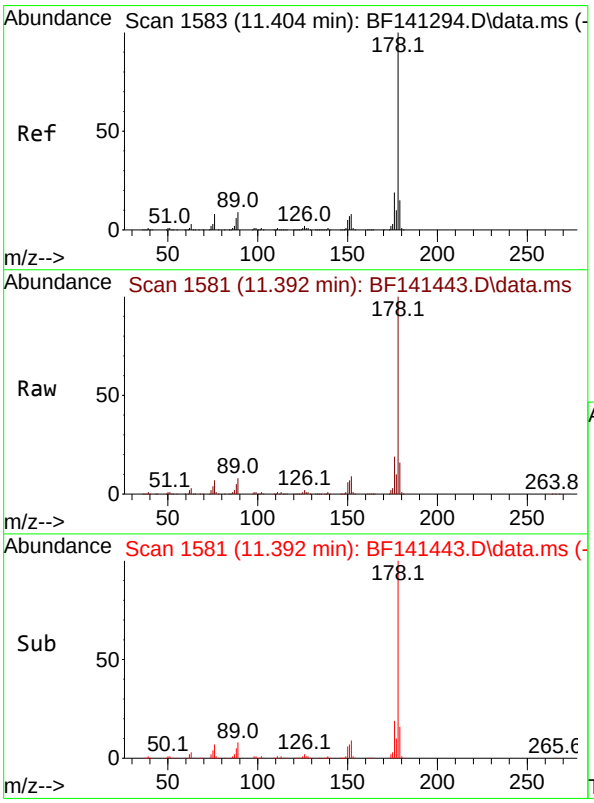
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

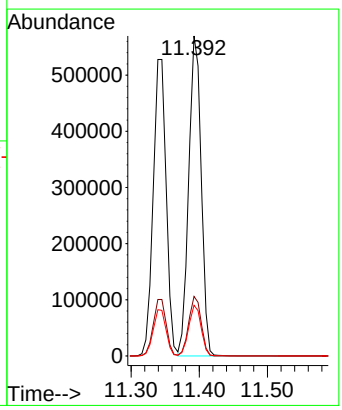


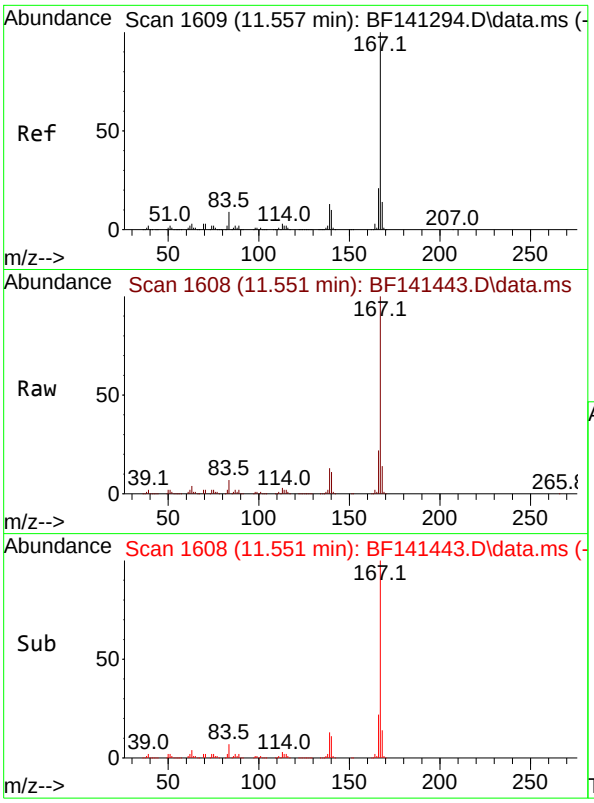


#72
Anthracene
Concen: 54.065 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:178 Resp: 718705

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.8	12.3	18.5

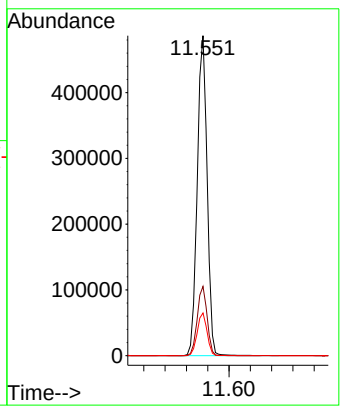




#73
Carbazole
Concen: 53.128 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:167 Resp: 62624

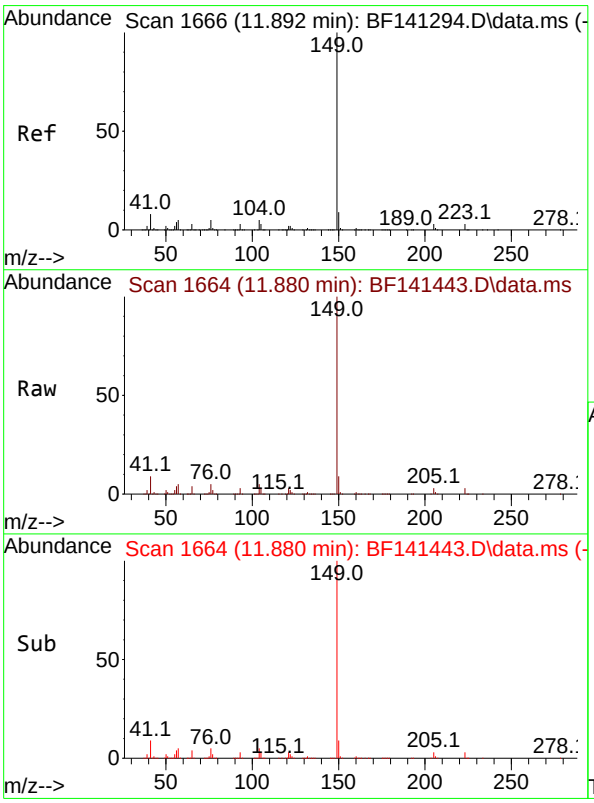
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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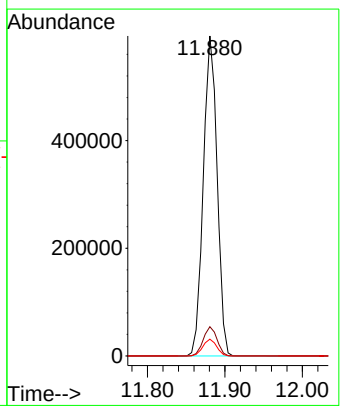
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

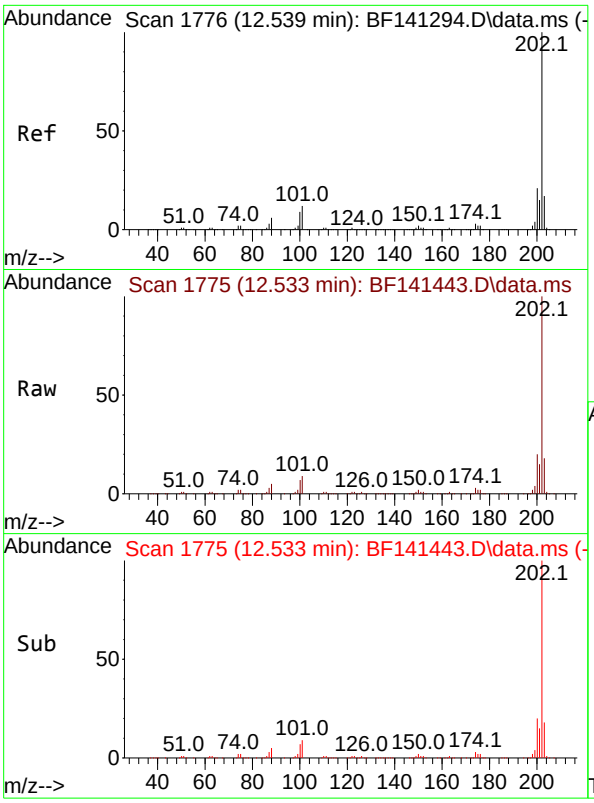


#74
Di-n-butylphthalate
Concen: 51.430 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:149 Resp: 734688

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.3	3.9	5.9

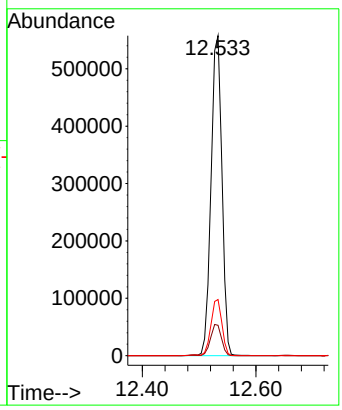




#75
Fluoranthene
Concen: 55.263 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:202 Resp: 74029

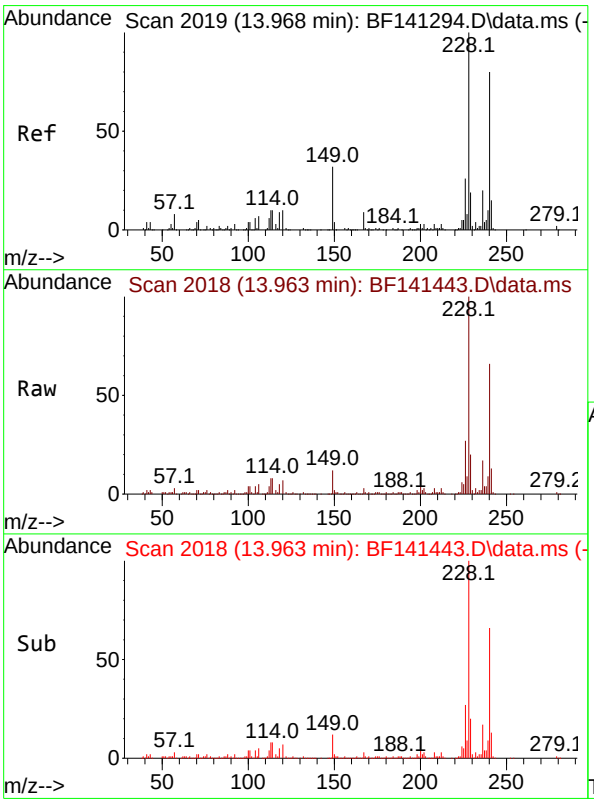
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.7
203	17.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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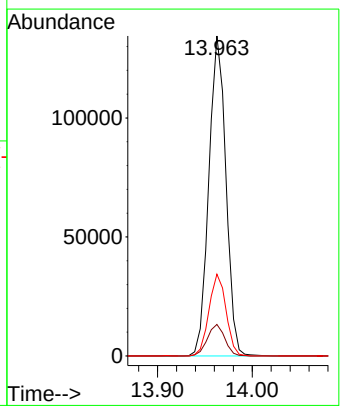
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

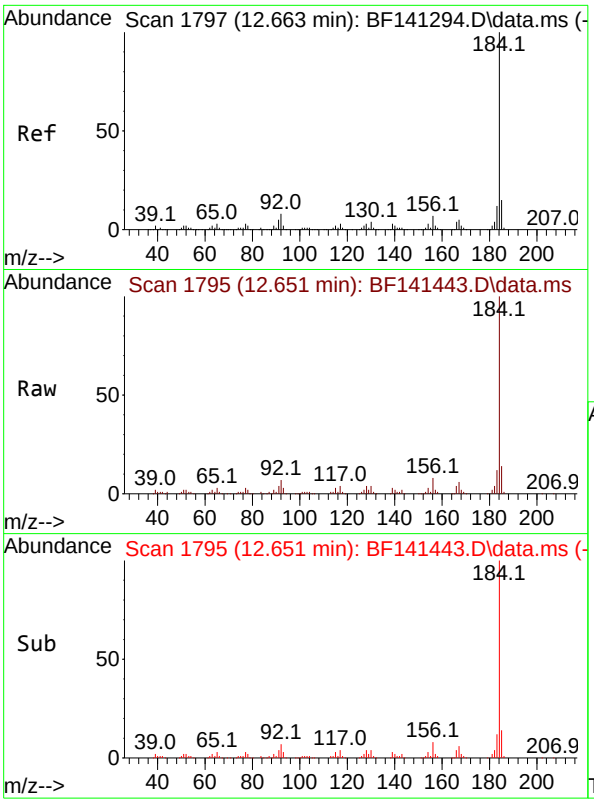


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:240 Resp: 168766

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.0	15.0#
236	25.5	19.7	29.5

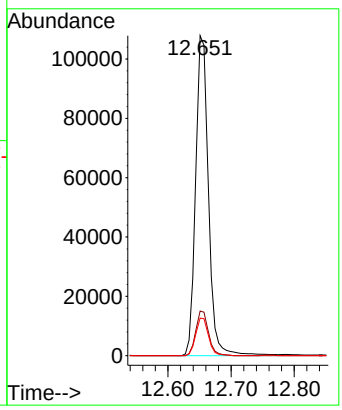




#77
Benzidine
Concen: 28.169 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:184 Resp: 15240

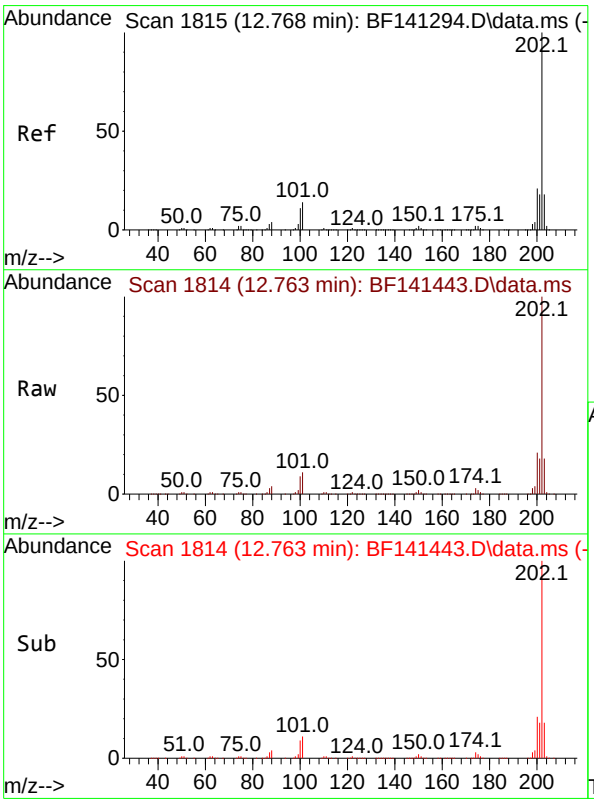
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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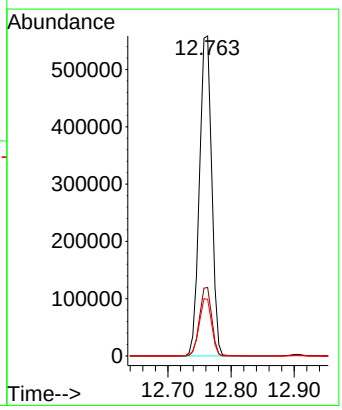
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

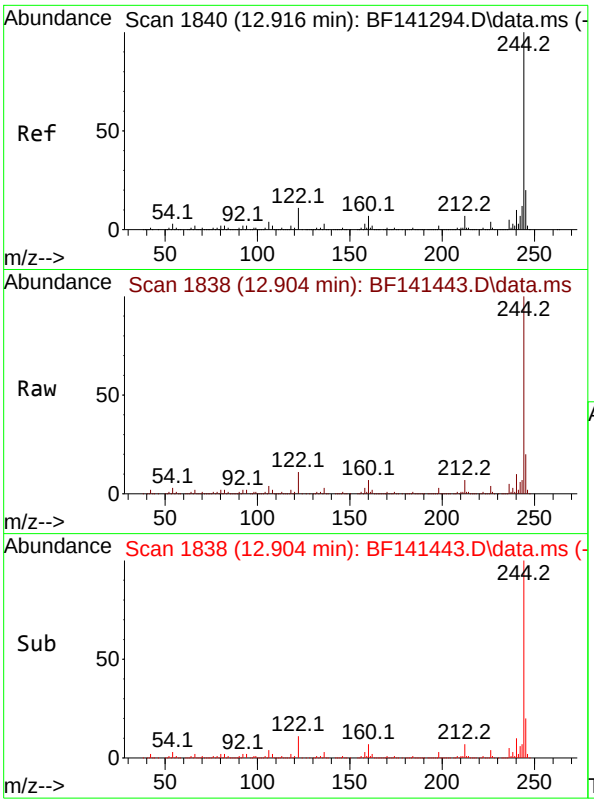


#78
Pyrene
Concen: 46.455 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:202 Resp: 752575

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.7	14.3	21.5

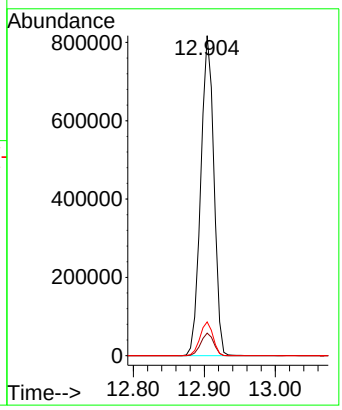




#79
Terphenyl-d14
Concen: 96.452 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:244 Resp: 105550

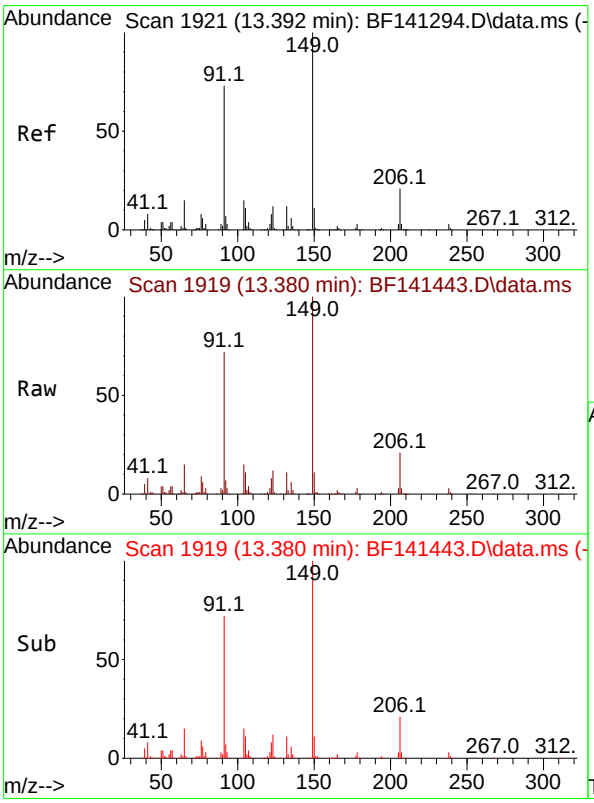
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

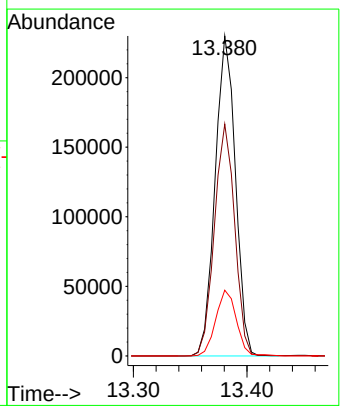
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

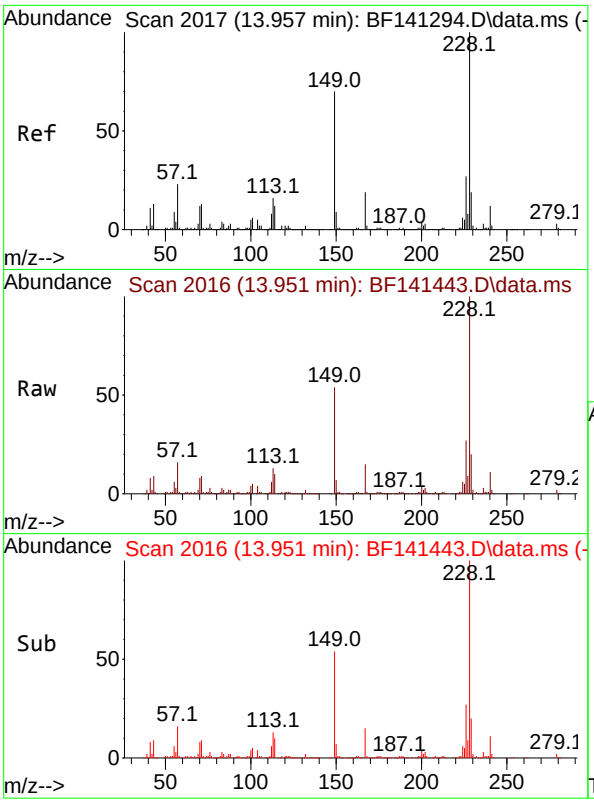


#80
Butylbenzylphthalate
Concen: 50.487 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:149 Resp: 285734

Ion	Ratio	Lower	Upper
149	100		
91	72.4	58.6	87.8
206	20.5	16.7	25.1

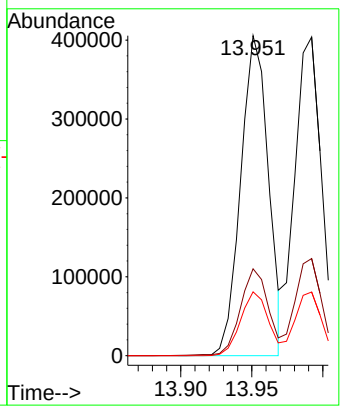




#81
Benzo(a)anthracene
Concen: 47.170 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:228 Resp: 54933

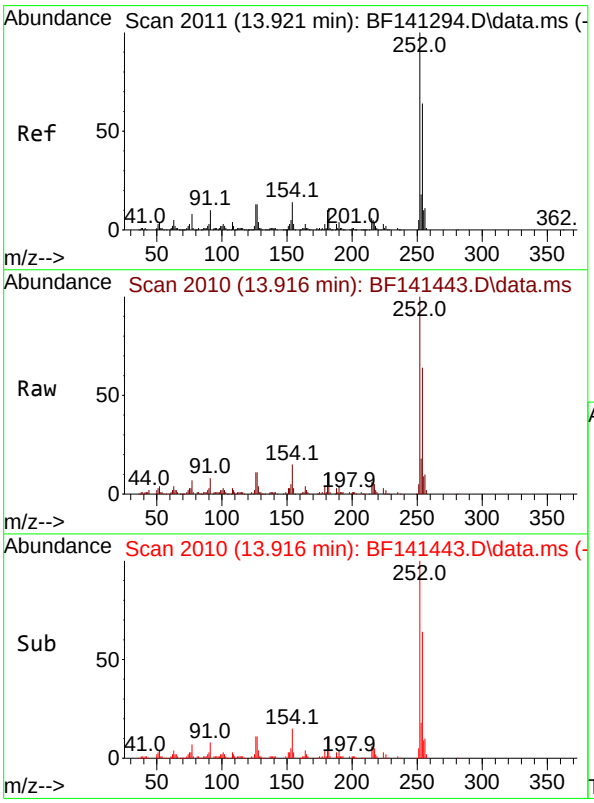
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

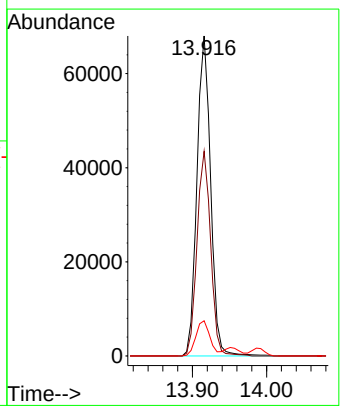
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

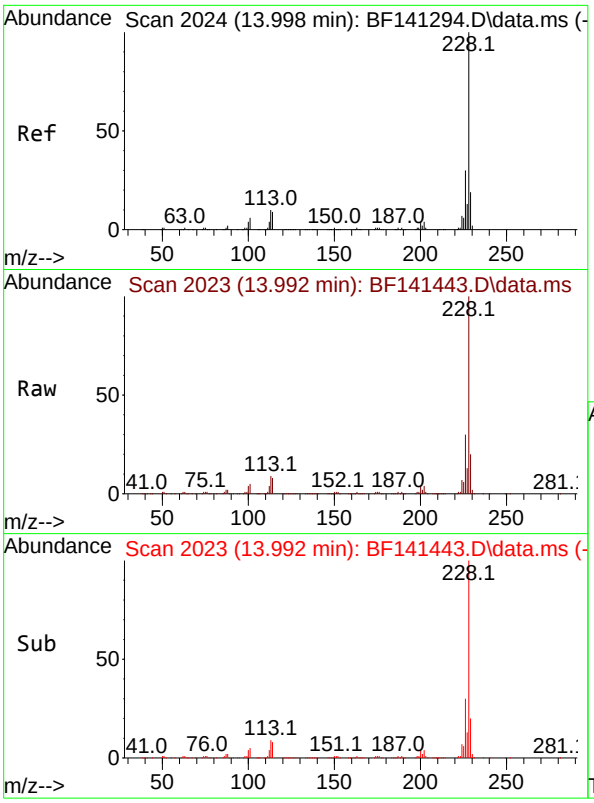


#82
3,3'-Dichlorobenzidine
Concen: 23.538 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:252 Resp: 87185

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.3	76.9
126	11.0	10.0	15.0

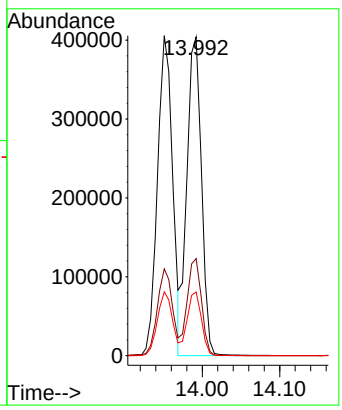




#83
Chrysene
Concen: 49.241 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:228 Resp: 52555

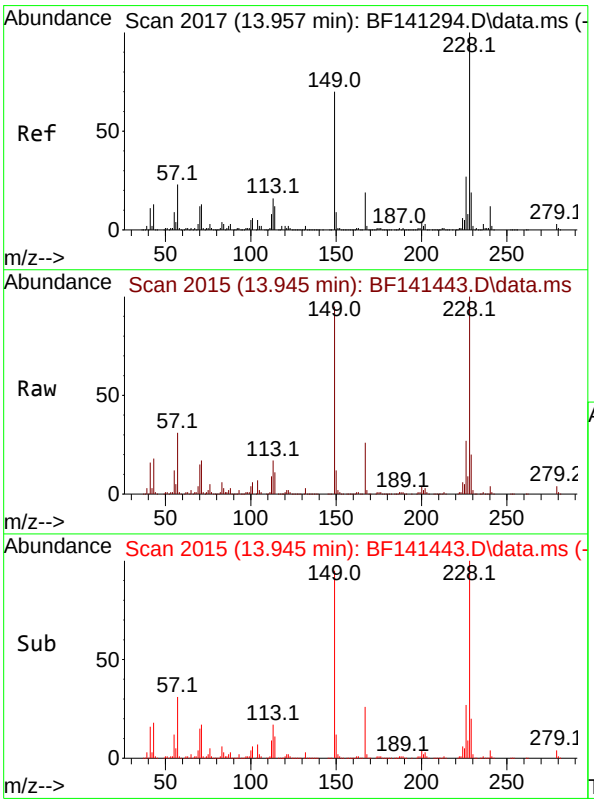
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	20.0	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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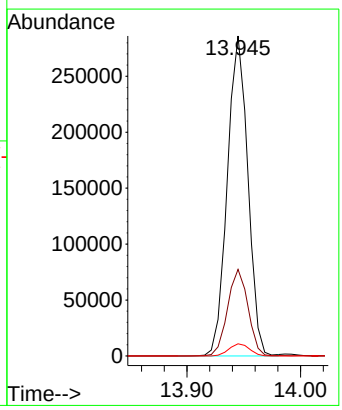
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

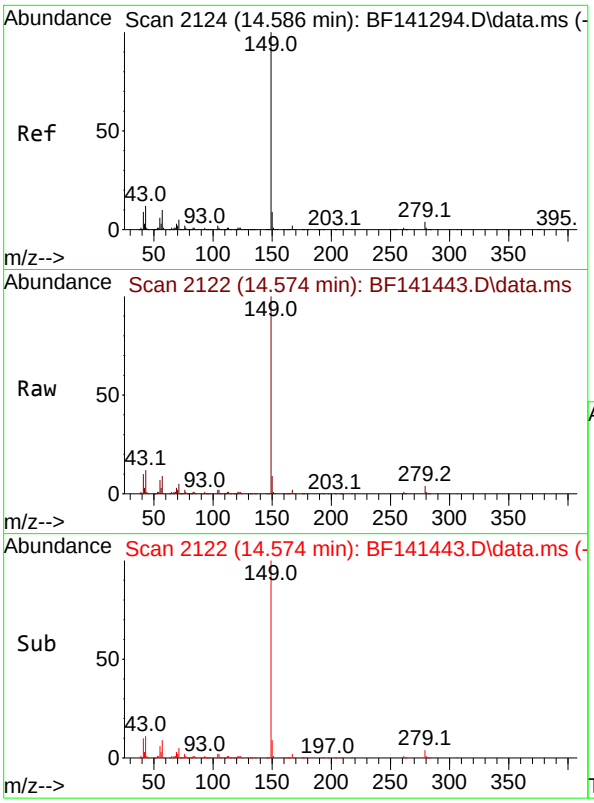


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.053 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:149 Resp: 359351

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 48.352 ng
RT: 14.574 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

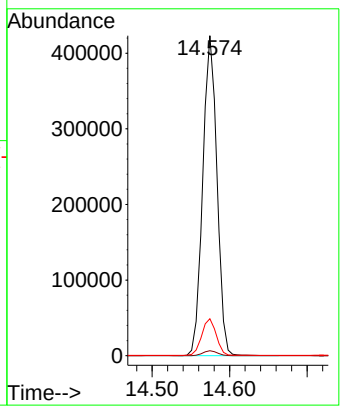
Tgt Ion:149 Resp: 53917

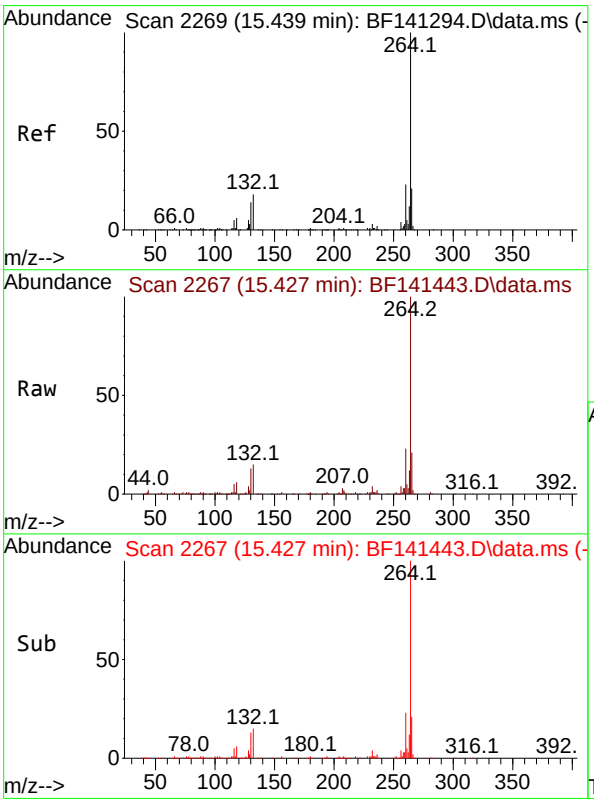
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

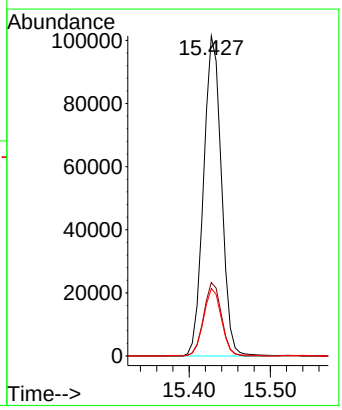


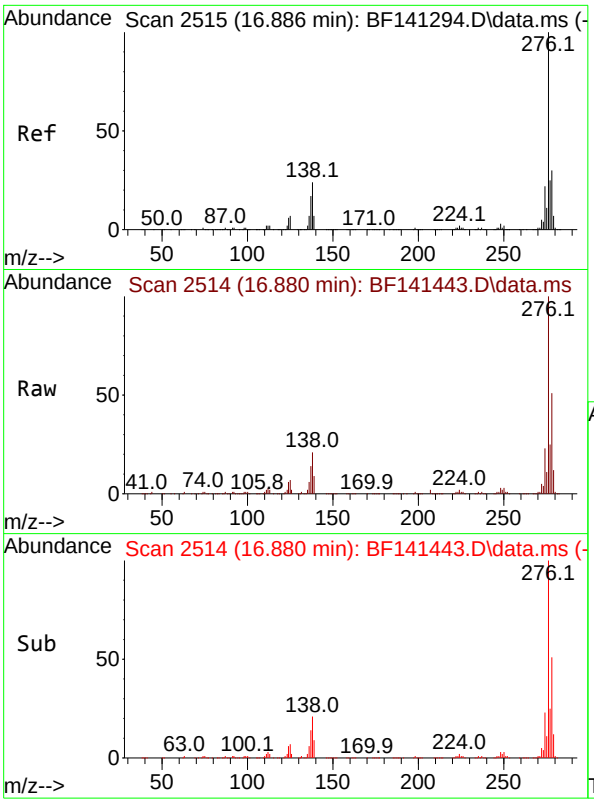


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:264 Resp: 154833

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.1	16.7	25.1

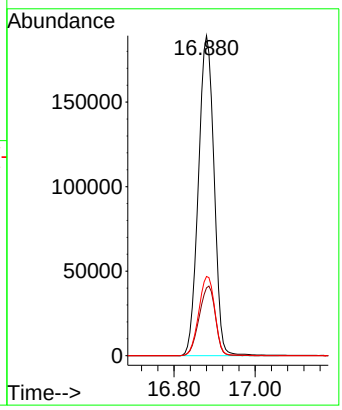




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.748 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:276 Resp: 50714

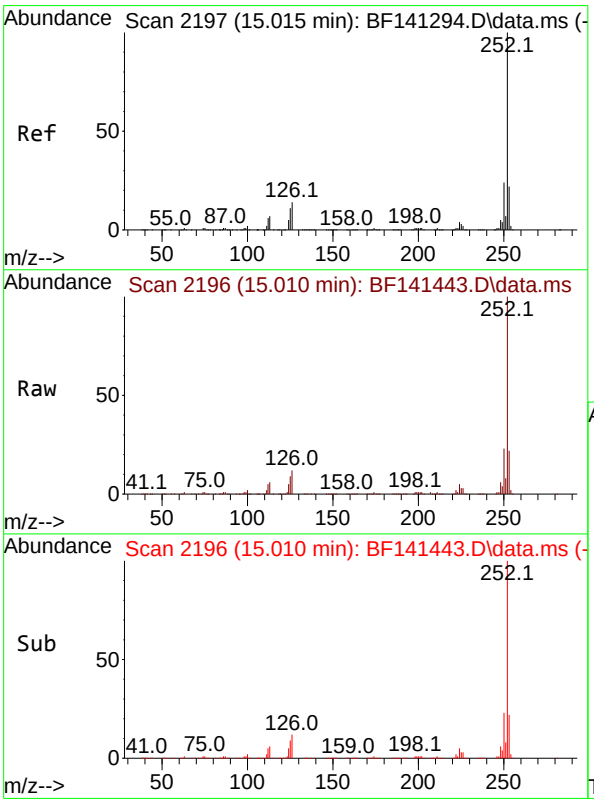
Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
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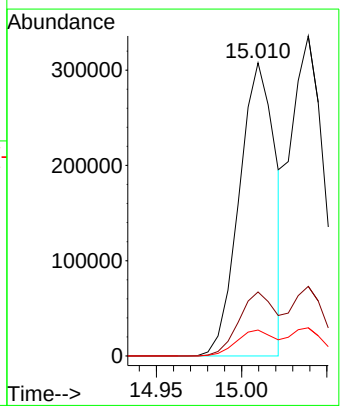
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

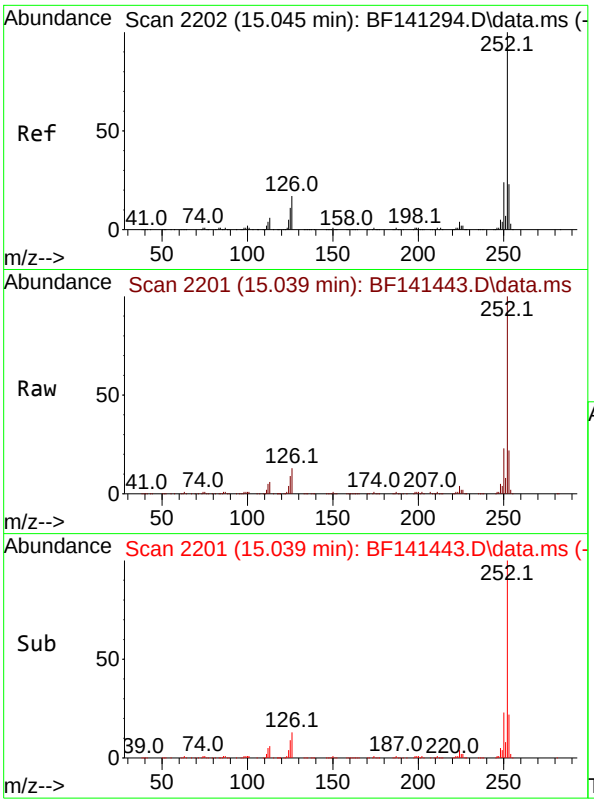


#88
Benzo(b)fluoranthene
Concen: 46.436 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:252 Resp: 452259

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.8	8.6	12.8

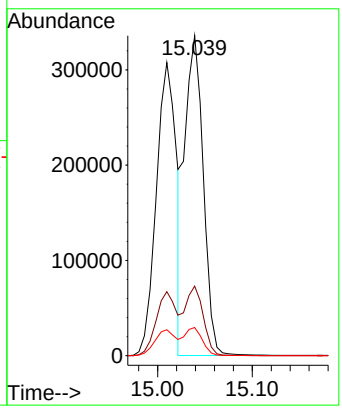




#89
Benzo(k)fluoranthene
Concen: 52.723 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:252 Resp: 45488

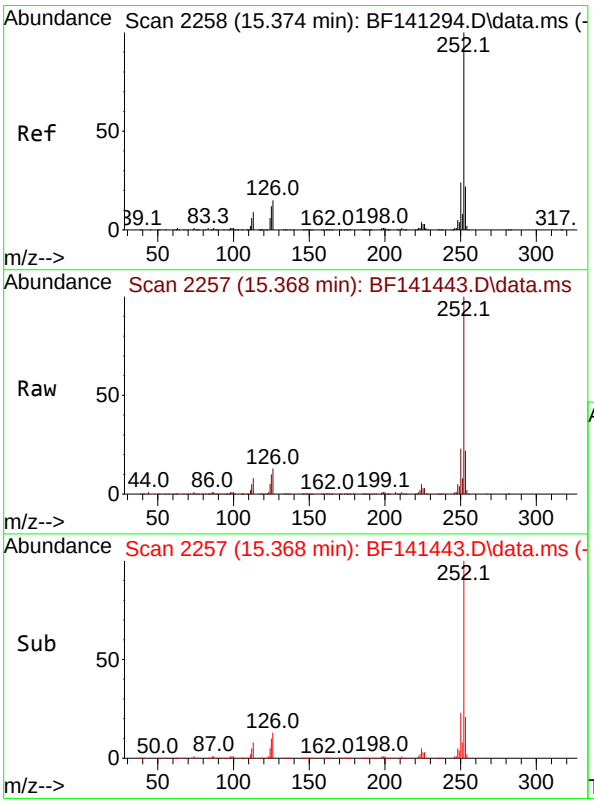
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

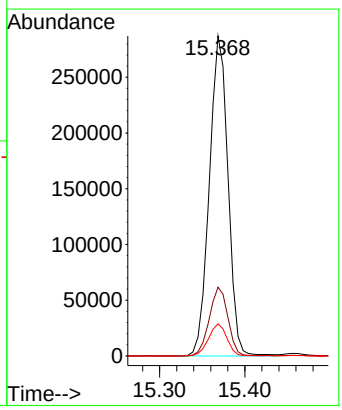
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

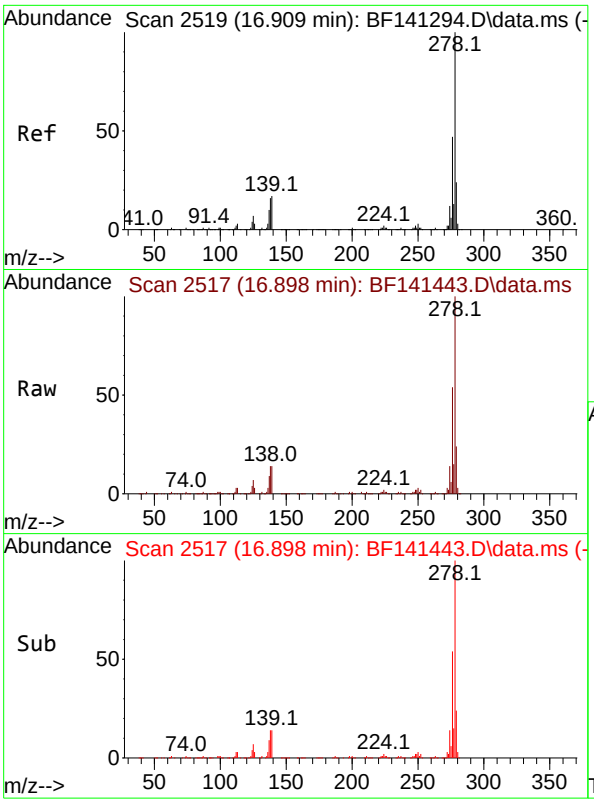


#90
Benzo(a)pyrene
Concen: 53.074 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:252 Resp: 436814

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	10.1	9.4	14.2

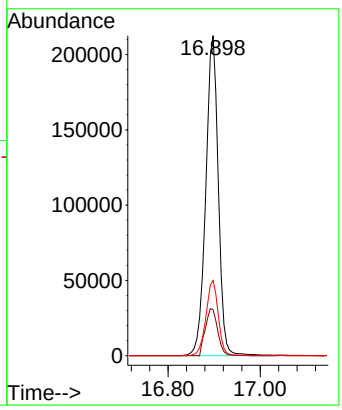




#91
Dibenzo(a,h)anthracene
Concen: 50.190 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:278 Resp: 40352

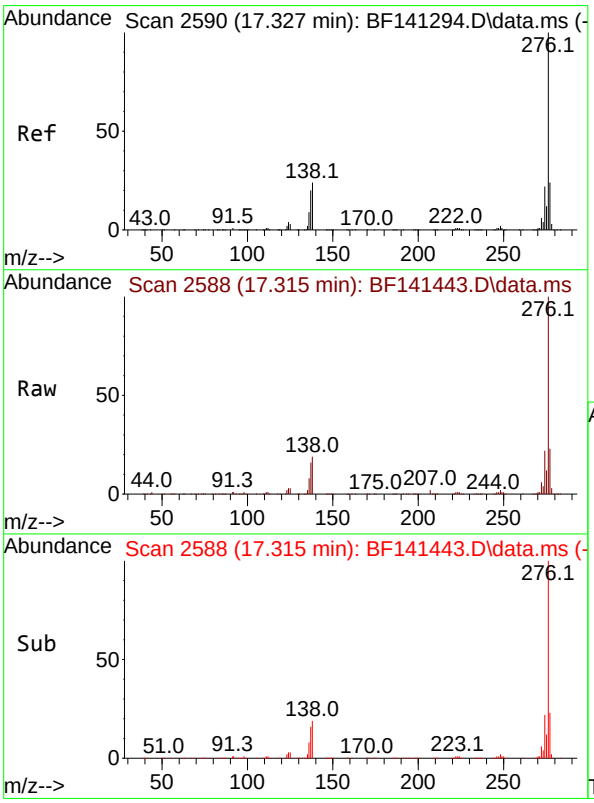
Ion	Ratio	Lower	Upper
278	100		
139	14.4	13.9	20.9
279	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations
APPROVED

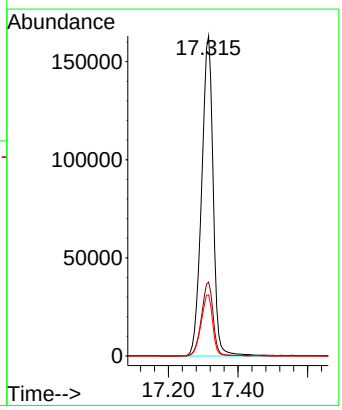
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 44.995 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.029 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:276 Resp: 376155

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	19.1	19.0	28.4



Raw Data: **BF141352.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2100		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2200		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2100		130	260	ug/Kg
106-47-8	4-Chloroaniline	450		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2200		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2200		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2100		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2300		130	260	ug/Kg

Raw Data: **BF141352.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2400		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	5000	E	380	510	ug/Kg
100-02-7	4-Nitrophenol	3800		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2800		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2500		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2400		140	260	ug/Kg
87-86-5	Pentachlorophenol	4300	E	120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2100		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2400		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1800		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2100		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2100		120	260	ug/Kg
218-01-9	Chrysene	2300		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		130	260	ug/Kg

Raw Data: **BF141352.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2400		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2500		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.0		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	91.1		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.2		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.2		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	52.5		30 (10) - 130 (105)	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	6.798			
1146-65-2	Naphthalene-d8	632000	8.081			
15067-26-2	Acenaphthene-d10	327000	9.839			
1517-22-2	Phenanthrene-d10	478000	11.327			
1719-03-5	Chrysene-d12	307000	13.968			
1520-96-3	Perylene-d12	308000	15.421			

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: **BF141352.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	160040	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	632082	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	327389	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	478396	20.000	ng		0.00
76) Chrysene-d12	13.968	240	306959	20.000	ng		0.00
86) Perylene-d12	15.421	264	307907	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	969013	92.954	ng		0.02
7) Phenol-d6	6.445	99	1208293	91.113	ng		0.00
23) Nitrobenzene-d5	7.363	82	781915	65.213	ng		0.00
42) 2,4,6-Tribromophenol	10.633	330	276769	92.213	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1314061	61.779	ng		0.00
79) Terphenyl-d14	12.910	244	1045873	52.545	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	170887	37.273	ng		98
3) Pyridine	3.293	79	440465	39.874	ng		100
4) n-Nitrosodimethylamine	3.246	42	271271	42.988	ng		97
6) Aniline	6.463	93	364816	32.498	ng	#	20
8) 2-Chlorophenol	6.592	128	479903	42.950	ng		97
9) Benzaldehyde	6.345	77	49148	6.398	ng		98
10) Phenol	6.457	94	579286	41.207	ng		77
11) bis(2-Chloroethyl)ether	6.534	93	467010	43.327	ng		100
12) 1,3-Dichlorobenzene	6.739	146	489696	39.748	ng		99
13) 1,4-Dichlorobenzene	6.816	146	495491	40.035	ng		100
14) 1,2-Dichlorobenzene	6.969	146	474188	40.916	ng		99
15) Benzyl Alcohol	6.945	79	408281	45.050	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	760918	40.597	ng		55
17) 2-Methylphenol	7.069	107	369947	40.738	ng	#	89
18) Hexachloroethane	7.310	117	183972	40.294	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	329084	41.762	ng		98
20) 3+4-Methylphenols	7.222	107	478463	42.911	ng	#	76
22) Acetophenone	7.210	105	641459	42.694	ng	#	95
24) Nitrobenzene	7.386	77	502528	40.443	ng		98
25) Isophorone	7.622	82	892320	43.053	ng		99
26) 2-Nitrophenol	7.698	139	255094	43.531	ng		99
27) 2,4-Dimethylphenol	7.745	122	373741m	50.107	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	555377	42.009	ng		99
29) 2,4-Dichlorophenol	7.951	162	391067	42.827	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	407421	39.069	ng		100
31) Naphthalene	8.104	128	1339613	40.119	ng		100
32) Benzoic acid	7.875	122	293276	42.771	ng		98
33) 4-Chloroaniline	8.151	127	99598	8.796	ng		99
34) Hexachlorobutadiene	8.222	225	237412	38.821	ng		100
35) Caprolactam	8.522	113	129509m	43.427	ng		
36) 4-Chloro-3-methylphenol	8.651	107	412298	42.094	ng		97
37) 2-Methylnaphthalene	8.792	142	875724	41.263	ng		99
38) 1-Methylnaphthalene	8.892	142	807610	38.739	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	390961	41.976	ng		99
41) Hexachlorocyclopentadiene	8.945	237	368408	133.935	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	264141	43.328	ng		99

Sample Results: **BF141352.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	284388	42.861	ng	99
46) 1,1'-Biphenyl	9.263	154	1070294	41.919	ng	99
47) 2-Chloronaphthalene	9.286	162	799380	40.168	ng	99
48) 2-Nitroaniline	9.380	65	272485	43.530	ng	97
49) Acenaphthylene	9.698	152	1222120	43.870	ng	100
50) Dimethylphthalate	9.563	163	969748	43.857	ng	99
51) 2,6-Dinitrotoluene	9.628	165	211898	41.273	ng	98
52) Acenaphthene	9.875	154	917466	46.100	ng	99
53) 3-Nitroaniline	9.792	138	138426	27.509	ng	98
54) 2,4-Dinitrophenol	9.904	184	231891	97.163	ng	98
55) Dibenzofuran	10.045	168	1102981	41.404	ng	99
56) 4-Nitrophenol	9.975	139	270862	73.603	ng	98
57) 2,4-Dinitrotoluene	10.028	165	279789	42.091	ng	99
58) Fluorene	10.386	166	817762	39.575	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	230657	44.188	ng	99
60) Diethylphthalate	10.263	149	923514	43.075	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	406500	40.273	ng	100
62) 4-Nitroaniline	10.410	138	185463	37.489	ng	99
63) Azobenzene	10.539	77	946700	44.113	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	154803	54.706	ng	97
66) n-Nitrosodiphenylamine	10.498	169	738221	47.710	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	252992	47.237	ng	98
68) Hexachlorobenzene	10.933	284	255828	45.031	ng	100
69) Atrazine	11.027	200	238034	46.011	ng	99
70) Pentachlorophenol	11.133	266	276016	82.968	ng	99
71) Phenanthrene	11.351	178	1120034	43.554	ng	99
72) Anthracene	11.404	178	1134234	45.015	ng	100
73) Carbazole	11.557	167	910483	40.751	ng	99
74) Di-n-butylphthalate	11.892	149	1240476	45.813	ng	100
75) Fluoranthene	12.539	202	994575	39.170	ng	100
77) Benzidine	12.663	184	201472	20.474	ng	100
78) Pyrene	12.769	202	1010968	34.311	ng	100
80) Butylbenzylphthalate	13.392	149	424703	41.258	ng	99
81) Benzo(a)anthracene	13.957	228	859366	40.571	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198790	29.508	ng	100
83) Chrysene	13.992	228	854492	44.017	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	557866	42.722	ng	99
85) Di-n-octyl phthalate	14.568	149	1017675	50.177	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	688611	34.650	ng	99
88) Benzo(b)fluoranthene	15.004	252	913150	47.147	ng	99
89) Benzo(k)fluoranthene	15.033	252	811049	47.270	ng	100
90) Benzo(a)pyrene	15.362	252	781518	47.750	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	561271	35.104	ng	100
92) Benzo(g,h,i)perylene	17.298	276	497253	29.910	ng	98

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

Sample Results: **BF141352.D**

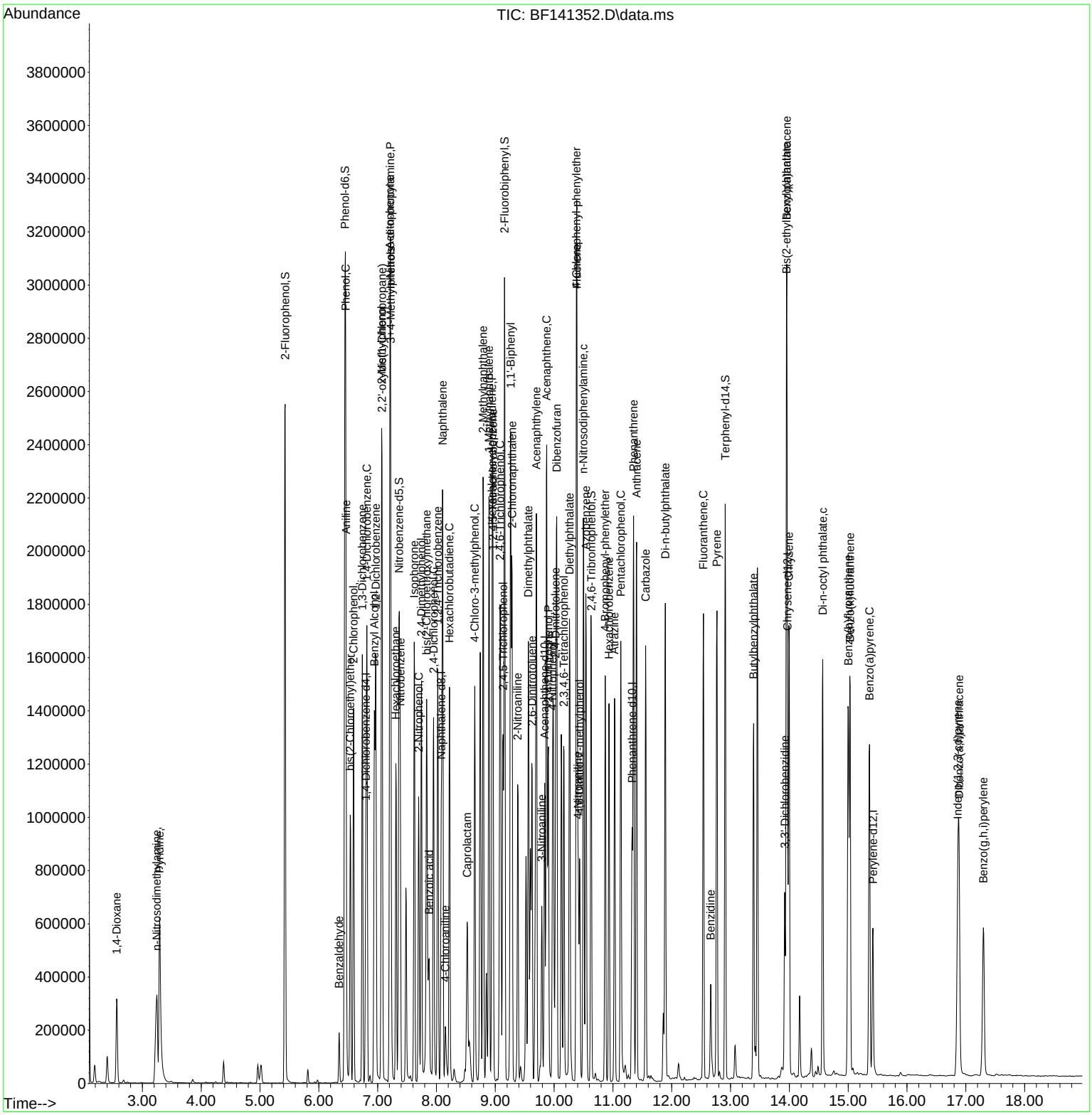
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

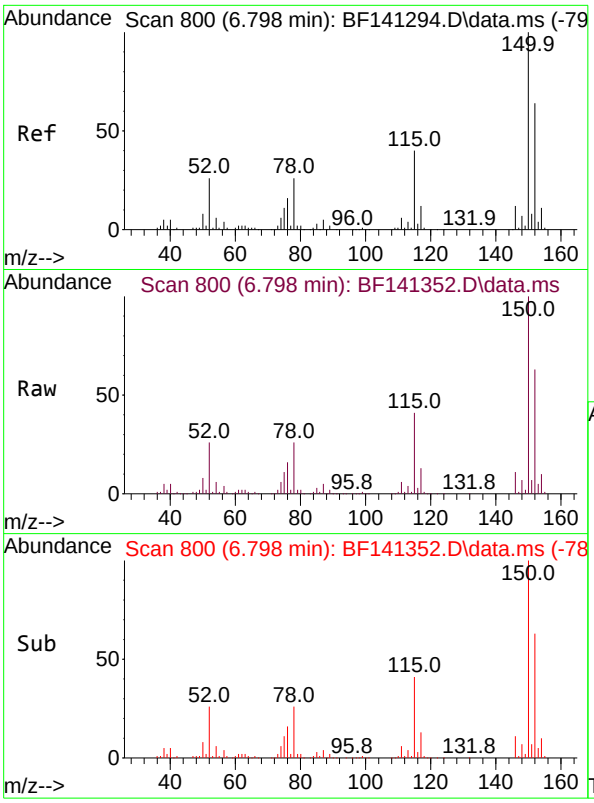
Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

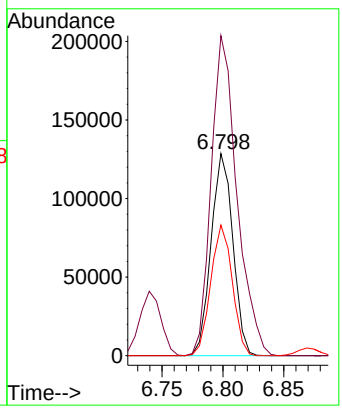




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:152 Resp: 16004

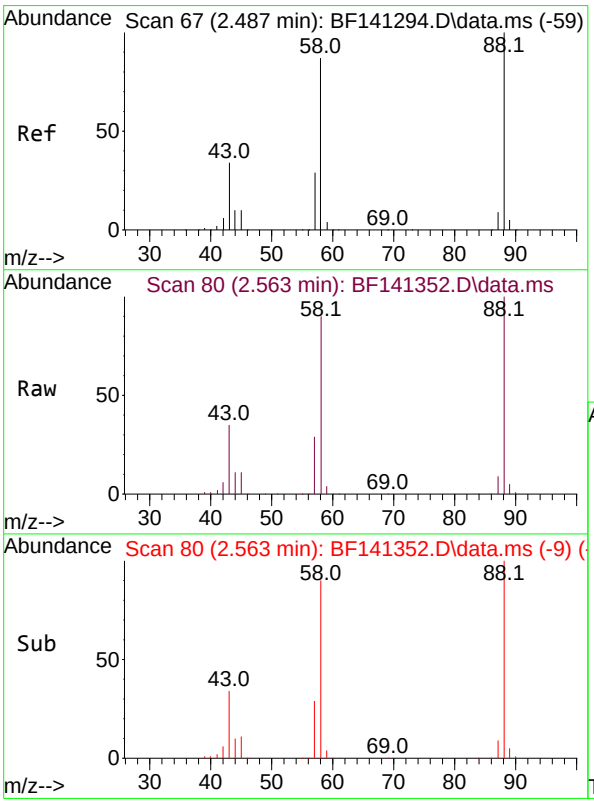
Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.9	188.9
115	64.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

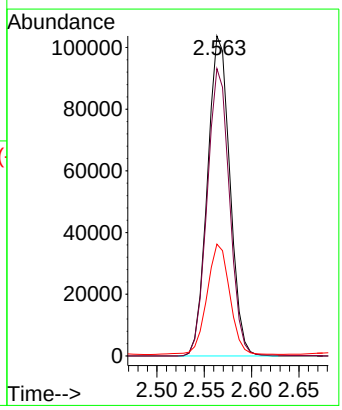
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

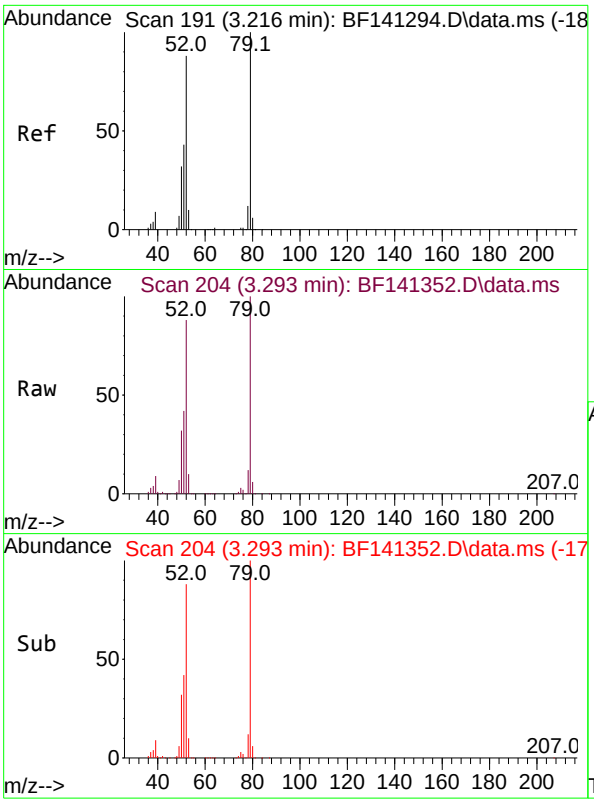


#2
1,4-Dioxane
Concen: 37.273 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.070 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 88 Resp: 170887

Ion	Ratio	Lower	Upper
88	100		
58	89.5	70.2	105.4
43	35.3	27.6	41.4

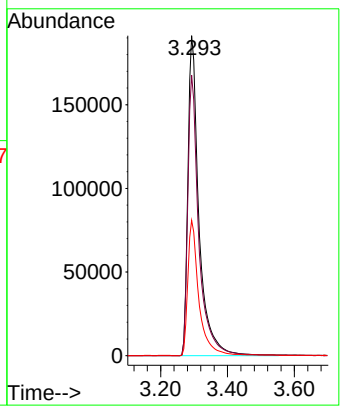




#3
Pyridine
Concen: 39.874 ng
RT: 3.293 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 79 Resp: 44046

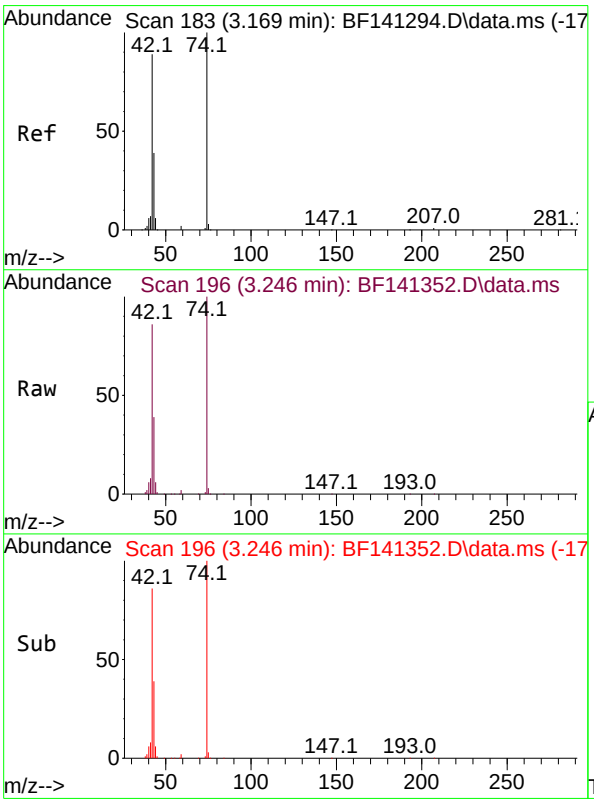
Ion	Ratio	Lower	Upper
79	100		
52	87.7	70.3	105.5
51	42.3	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

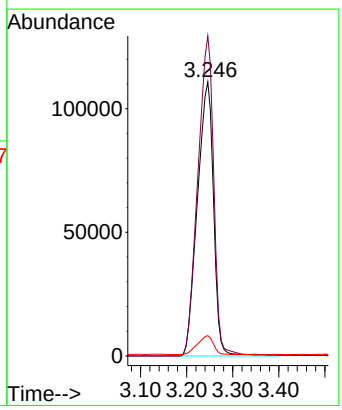
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

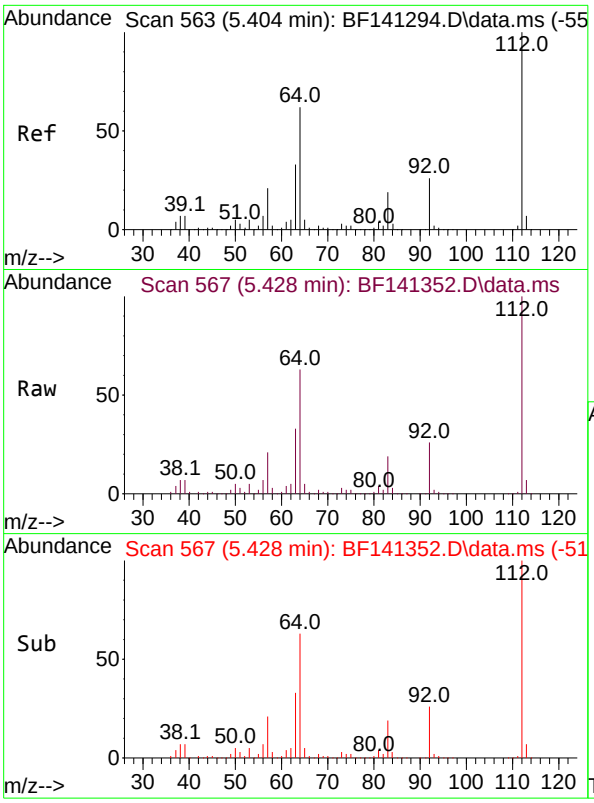


#4
n-Nitrosodimethylamine
Concen: 42.988 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 42 Resp: 271271

Ion	Ratio	Lower	Upper
42	100		
74	116.8	90.3	135.5
44	7.4	5.7	8.5





#5
2-Fluorophenol
Concen: 92.954 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

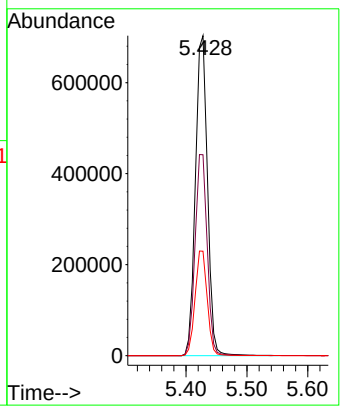
Tgt Ion:112 Resp: 96901

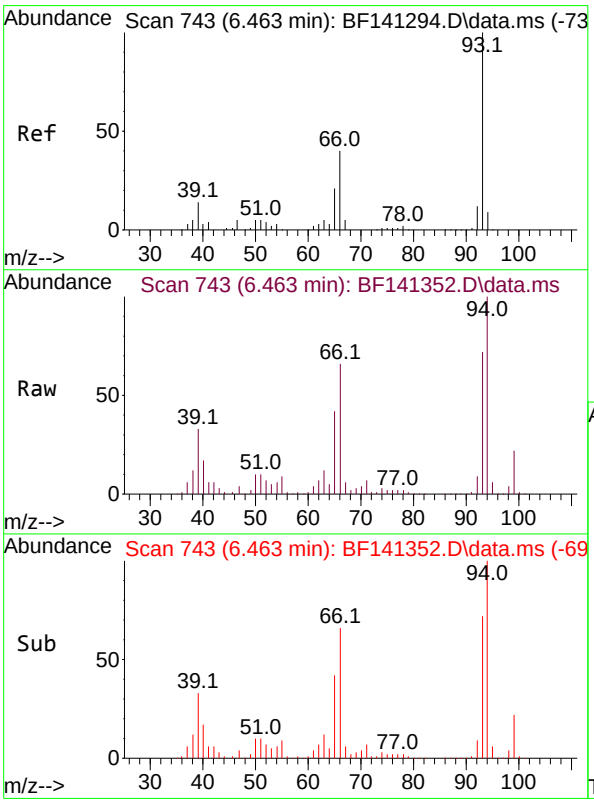
Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.8	74.8
63	32.7	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

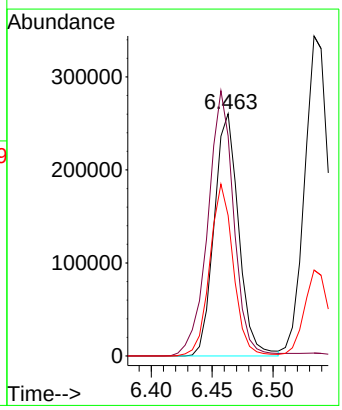


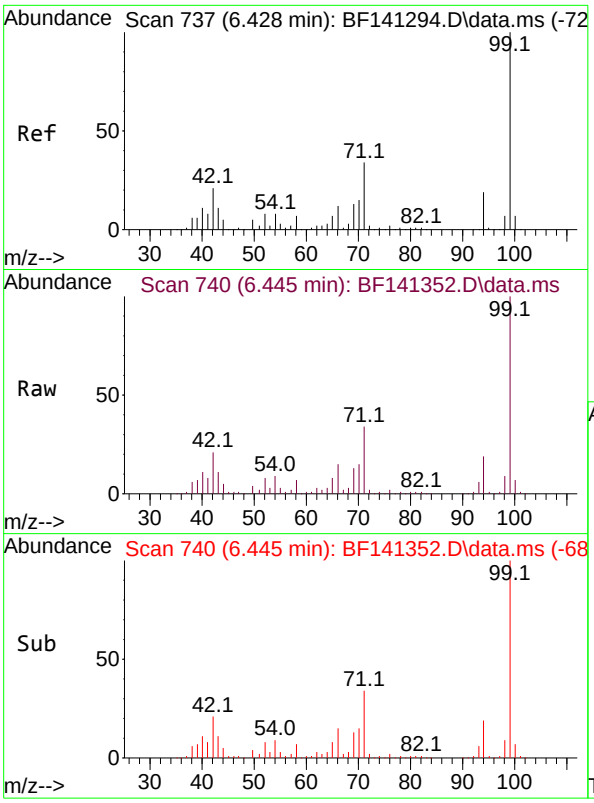


#6
Aniline
Concen: 32.498 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 93 Resp: 364816

Ion	Ratio	Lower	Upper
93	100		
66	90.8	32.5	48.7#
65	58.0	17.0	25.6#

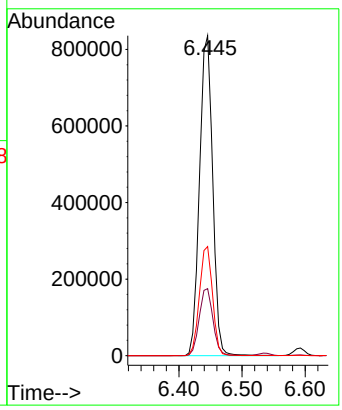




#7
Phenol-d6
Concen: 91.113 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 99 Resp: 120829

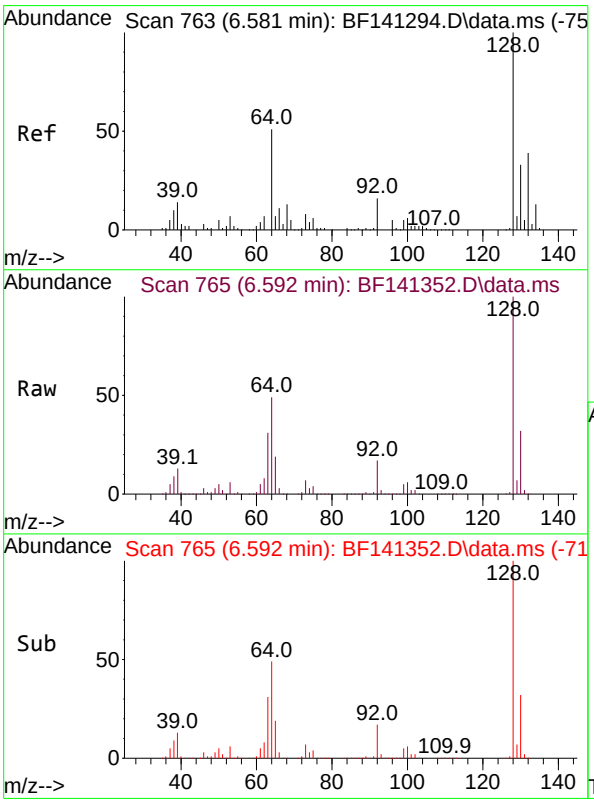
Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	34.1	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

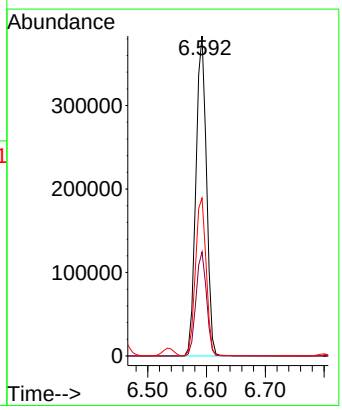
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

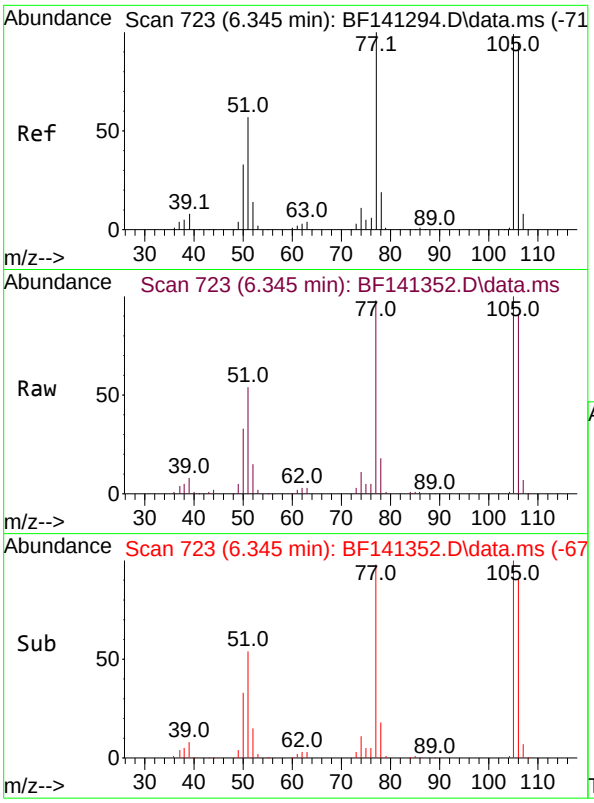


#8
2-Chlorophenol
Concen: 42.950 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:128 Resp: 479903

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	49.3	32.9	72.9

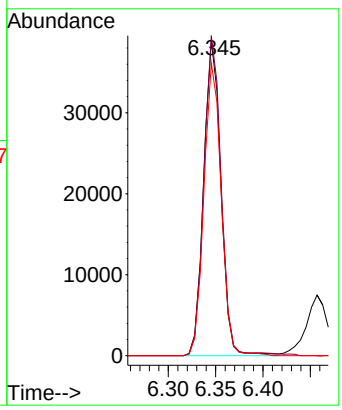




#9
Benzaldehyde
Concen: 6.398 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 77 Resp: 4914

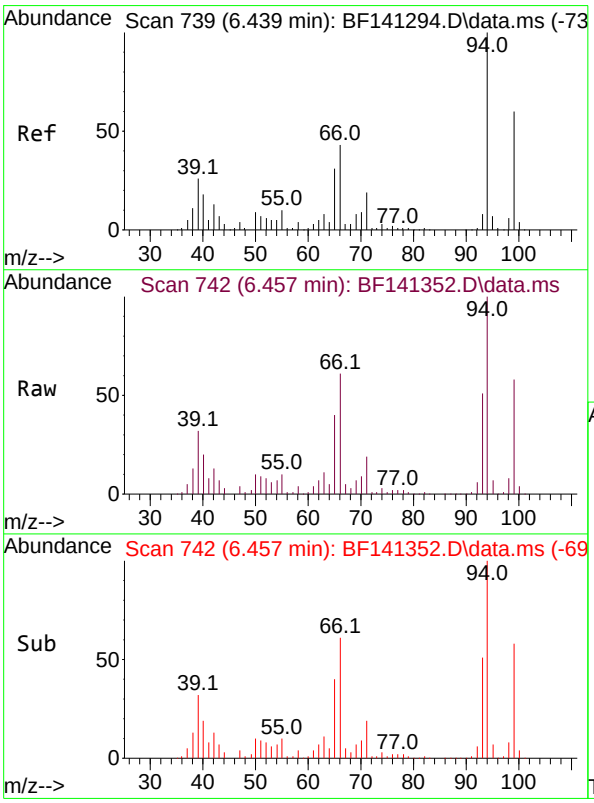
Ion	Ratio	Lower	Upper
77	100		
105	101.7	79.4	119.4
106	93.0	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

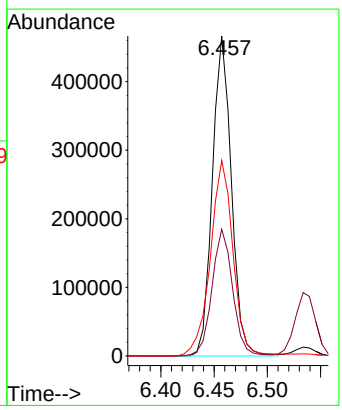
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

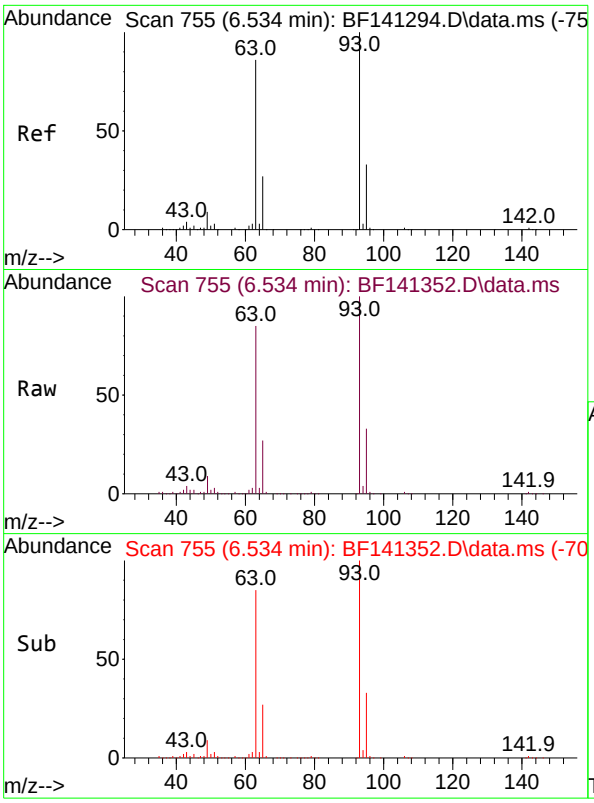


#10
Phenol
Concen: 41.207 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 94 Resp: 579286

Ion	Ratio	Lower	Upper
94	100		
65	39.6	10.8	50.8
66	61.1	23.3	63.3





#11
bis(2-Chloroethyl)ether
Concen: 43.327 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

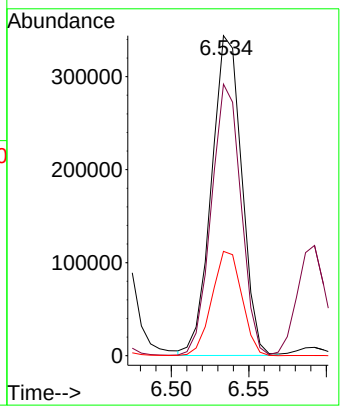
Tgt Ion: 93 Resp: 46701

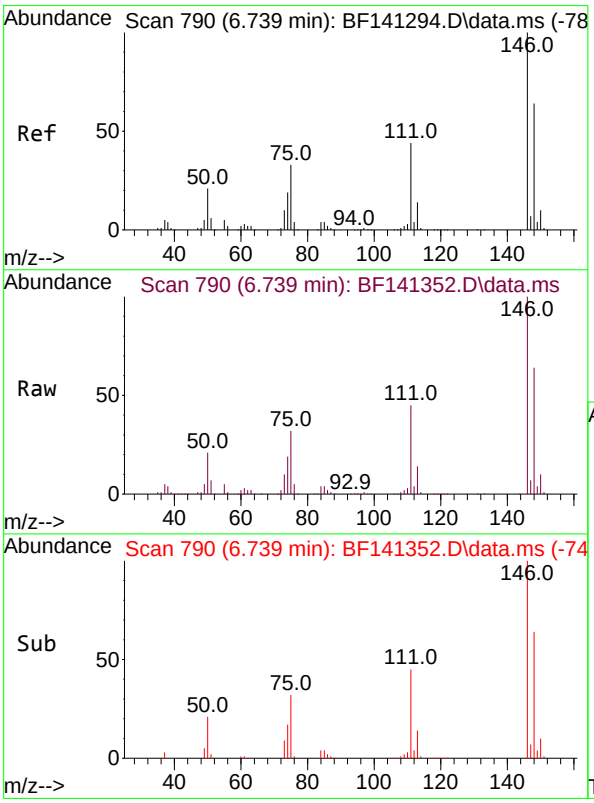
Ion	Ratio	Lower	Upper
93	100		
63	84.9	65.0	105.0
95	32.6	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

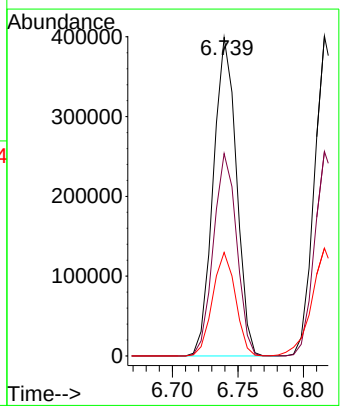


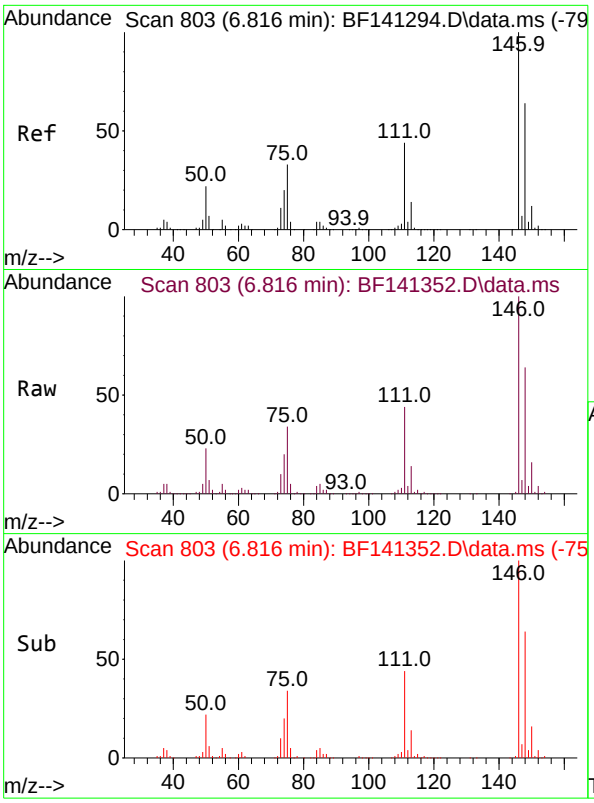


#12
1,3-Dichlorobenzene
Concen: 39.748 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:146 Resp: 489696

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.2	76.8
75	32.5	26.2	39.4

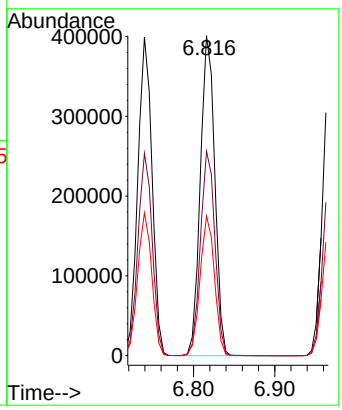




#13
1,4-Dichlorobenzene
Concen: 40.035 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:146 Resp: 49549

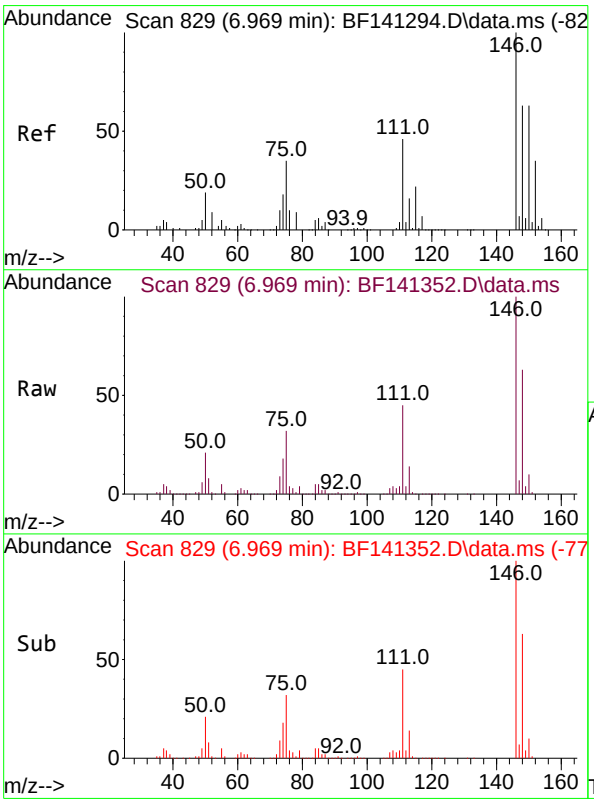
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	43.6	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

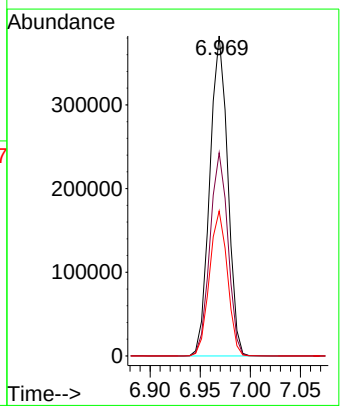
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

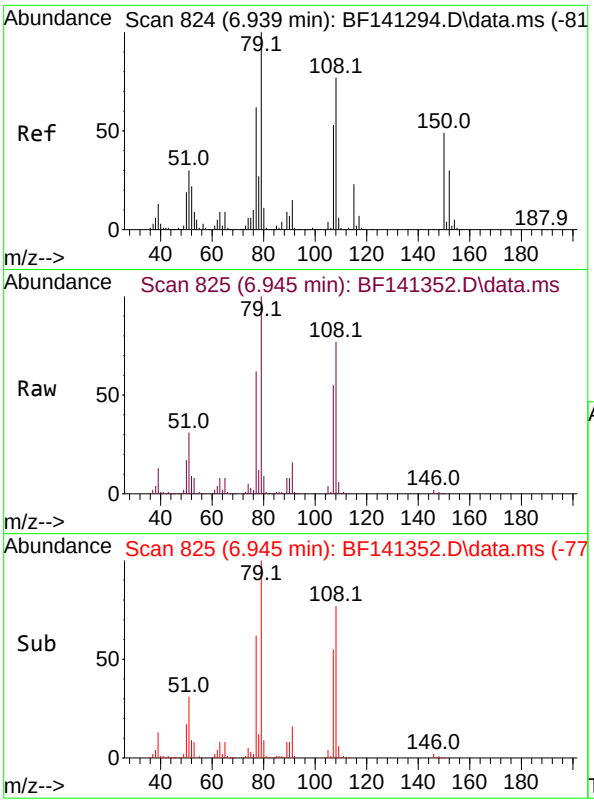


#14
1,2-Dichlorobenzene
Concen: 40.916 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:146 Resp: 474188

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
111	45.3	36.6	55.0





#15
Benzyl Alcohol
Concen: 45.050 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

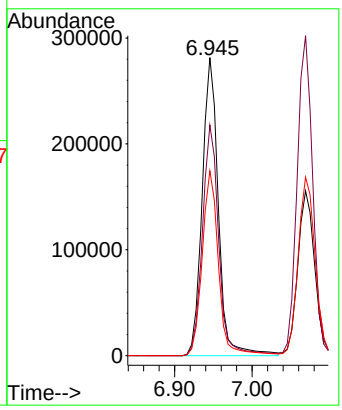
Tgt Ion: 79 Resp: 40828

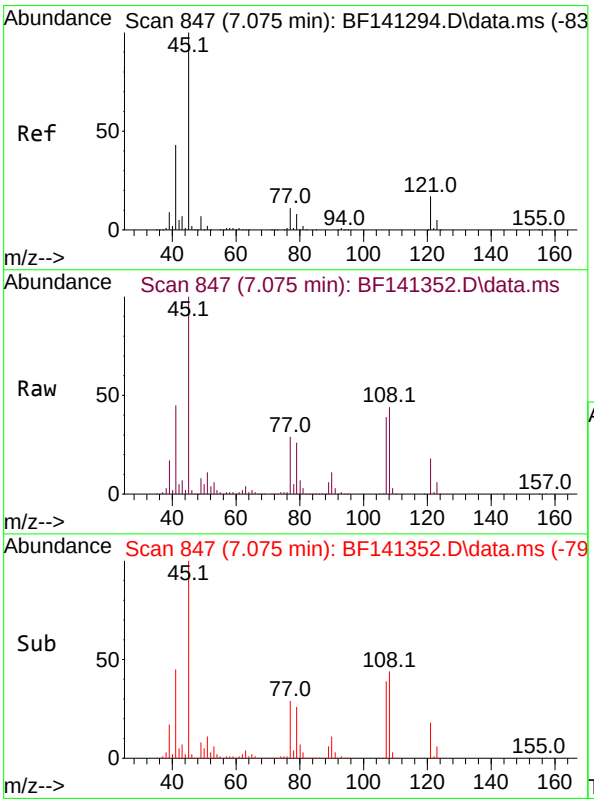
Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.4	92.0
77	62.0	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

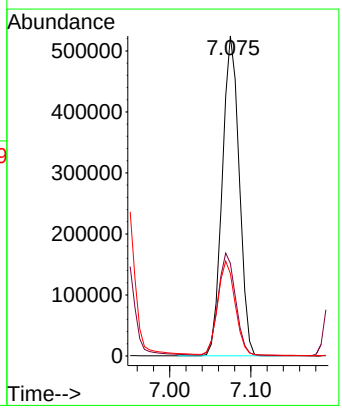


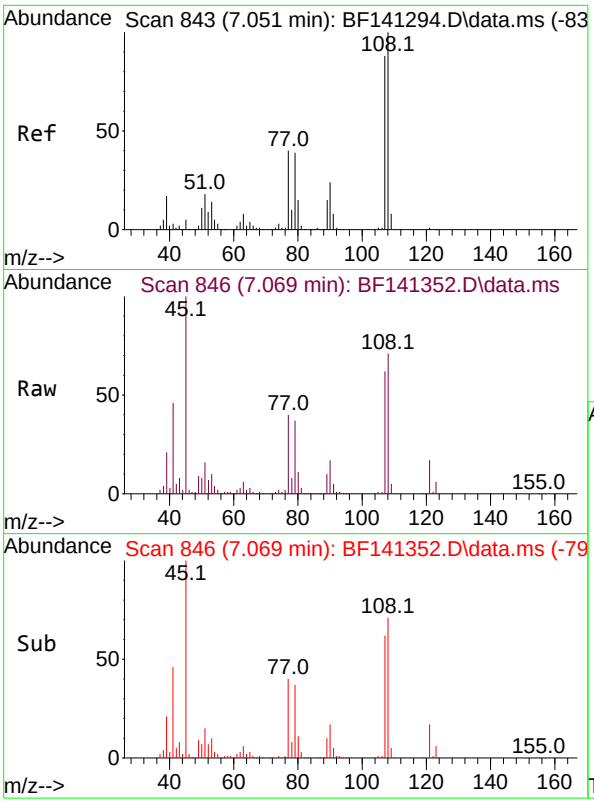


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.597 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 45 Resp: 760918

Ion	Ratio	Lower	Upper
45	100		
77	29.0	0.0	31.8
79	25.8	0.0	29.1

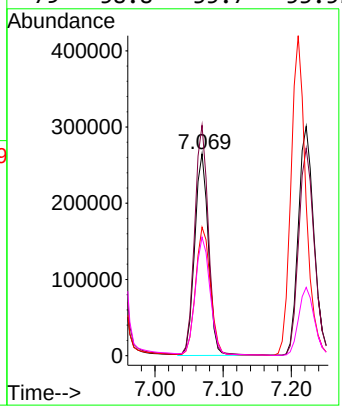




#17
2-Methylphenol
Concen: 40.738 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:107 Resp: 36994

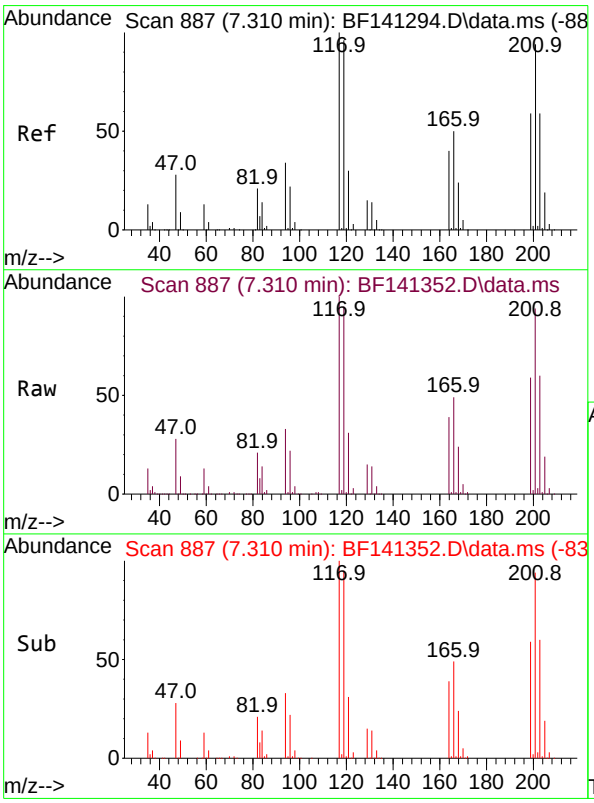
Ion	Ratio	Lower	Upper
107	100		
108	114.1	90.8	136.2
77	63.7	36.2	54.4#
79	58.8	35.7	53.5#



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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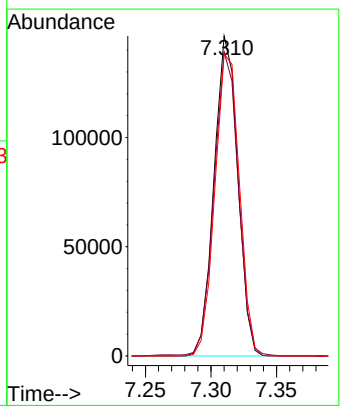
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

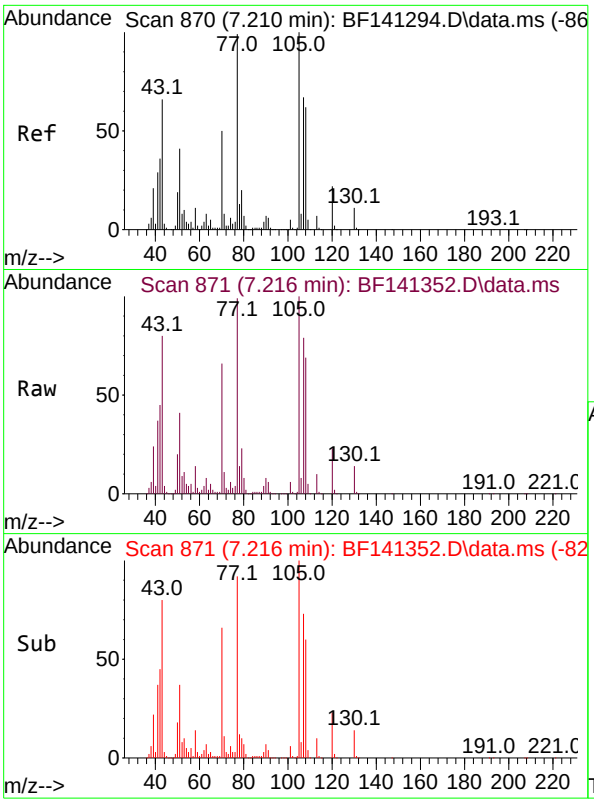


#18
Hexachloroethane
Concen: 40.294 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:117 Resp: 183972

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	114.8
201	94.4	74.8	112.2

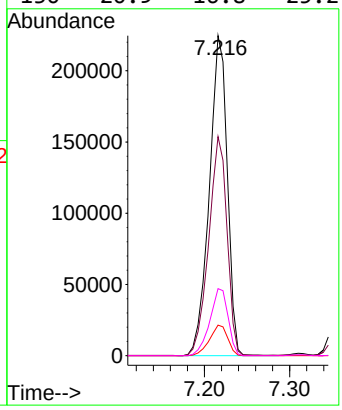




#19
n-Nitroso-di-n-propylamine
Concen: 41.762 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 70 Resp: 32908

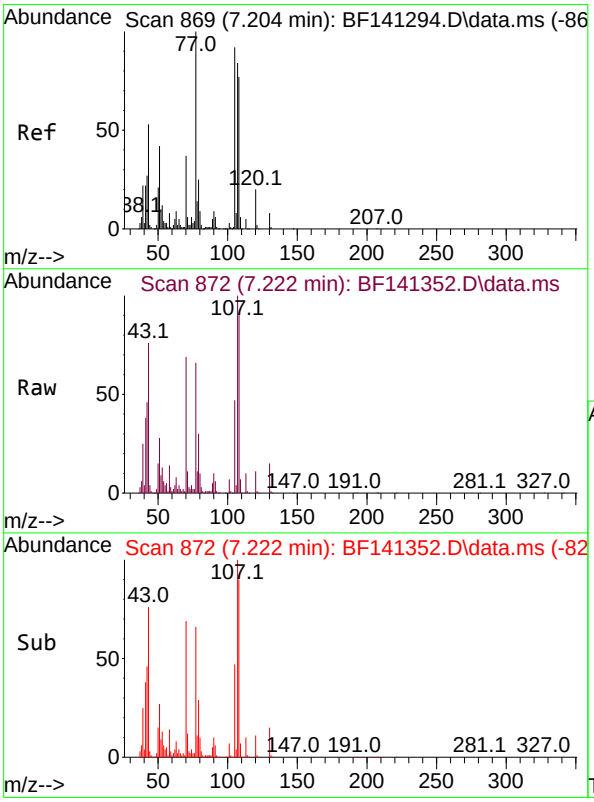
Ion	Ratio	Lower	Upper
70	100		
42	68.5	56.8	85.2
101	9.5	7.7	11.5
130	20.9	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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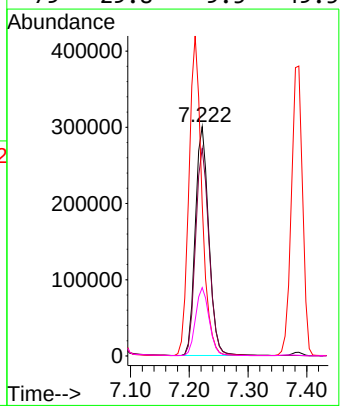
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

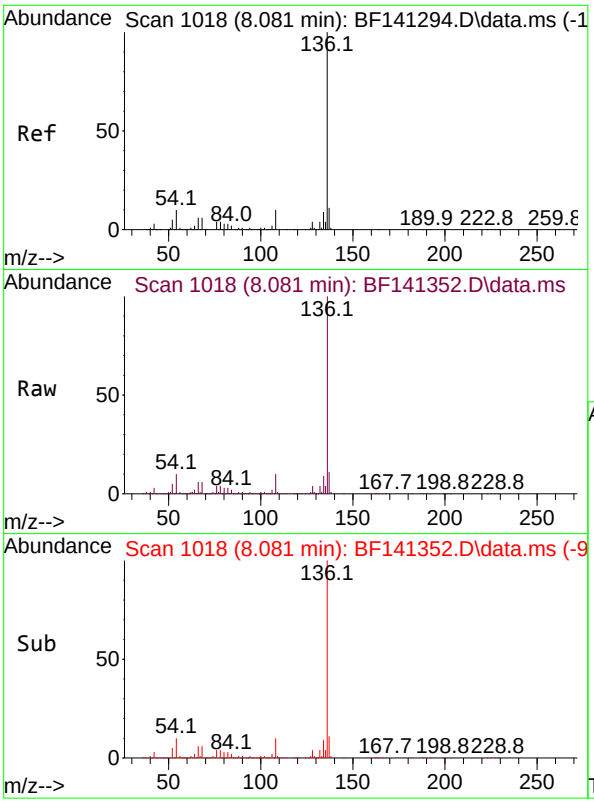


#20
3+4-Methylphenols
Concen: 42.911 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:107 Resp: 478463

Ion	Ratio	Lower	Upper
107	100		
108	90.5	70.9	110.9
77	66.3	98.5	138.5#
79	29.8	9.5	49.5

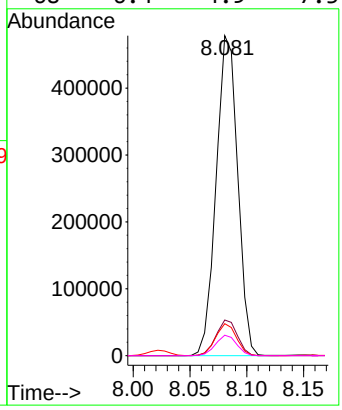




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:136 Resp: 63208

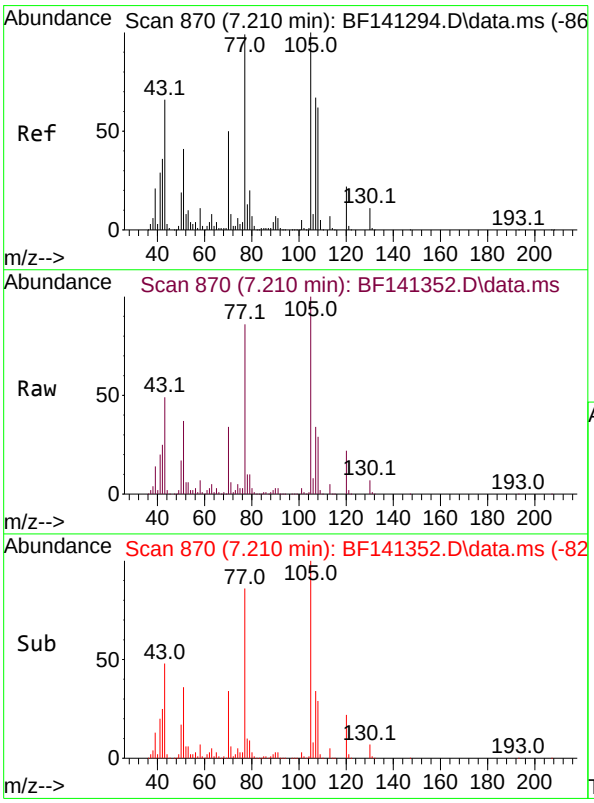
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	10.0	7.8	11.8
68	6.4	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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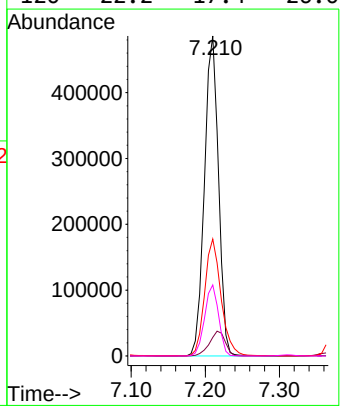
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

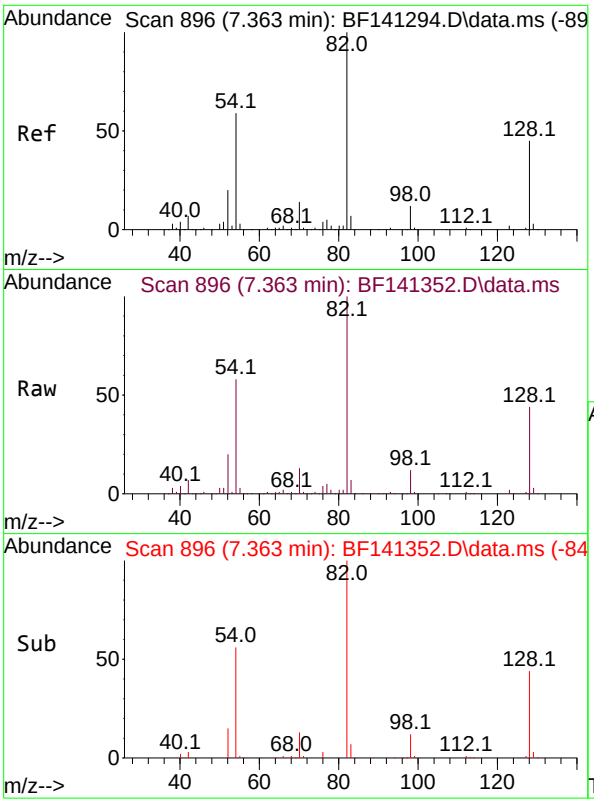


#22
Acetophenone
Concen: 42.694 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:105 Resp: 641459

Ion	Ratio	Lower	Upper
105	100		
71	5.8	6.8	10.2#
51	36.6	32.6	49.0
120	22.2	17.4	26.0





#23
Nitrobenzene-d5
Concen: 65.213 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

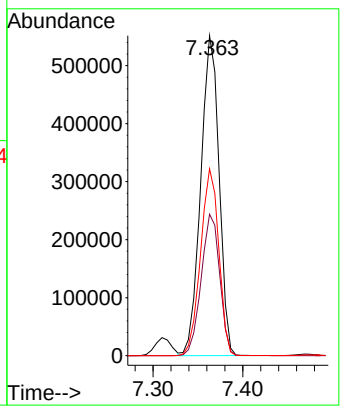
Tgt Ion: 82 Resp: 78191

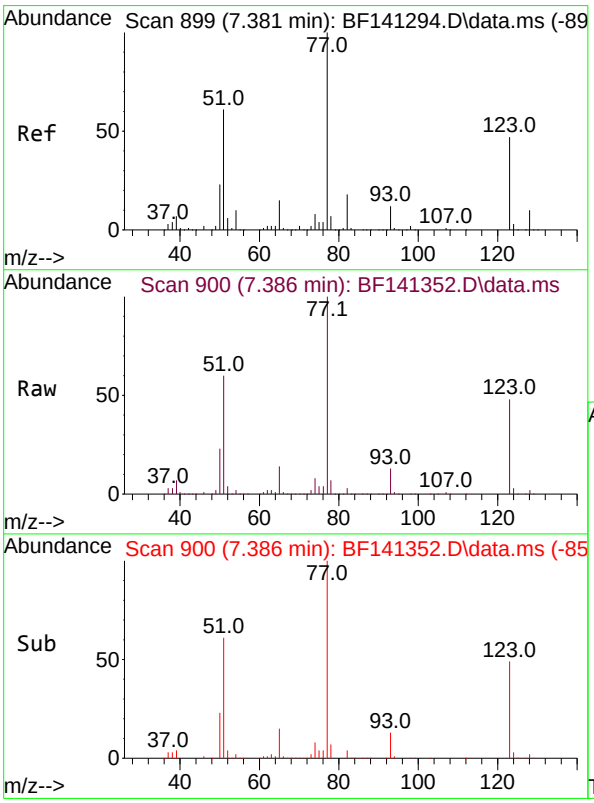
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.4	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

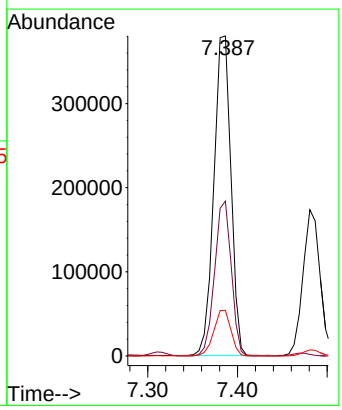


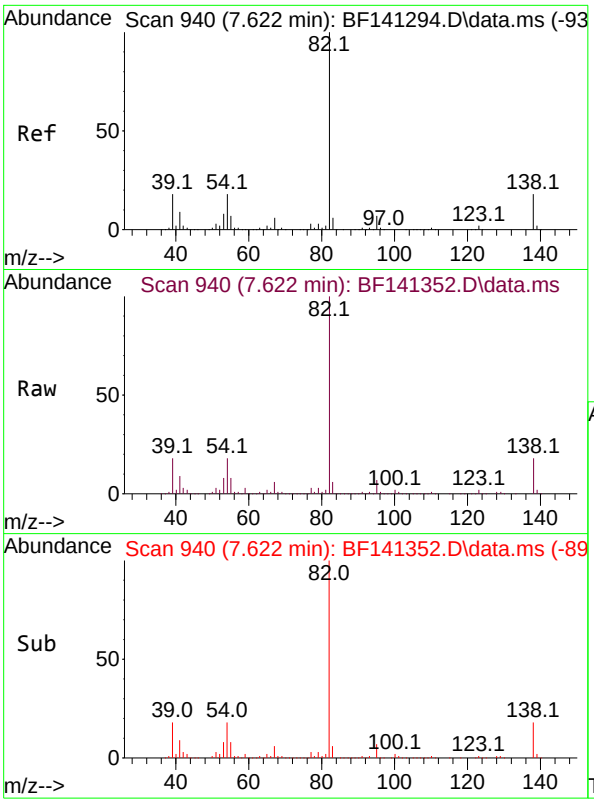


#24
Nitrobenzene
Concen: 40.443 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 77 Resp: 502528

Ion	Ratio	Lower	Upper
77	100		
123	48.4	37.3	55.9
65	14.2	11.8	17.6





#25
Isophorone
Concen: 43.053 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

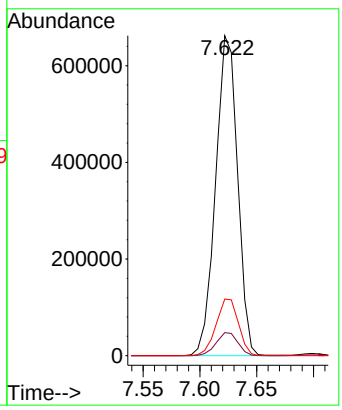
Tgt Ion: 82 Resp: 89232

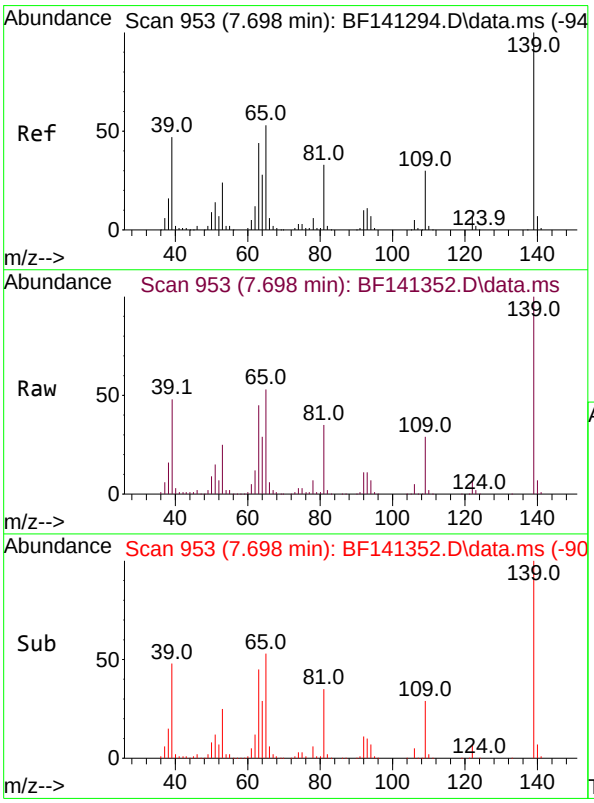
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	17.7	14.7	22.1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

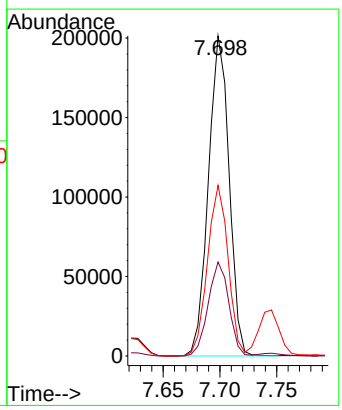


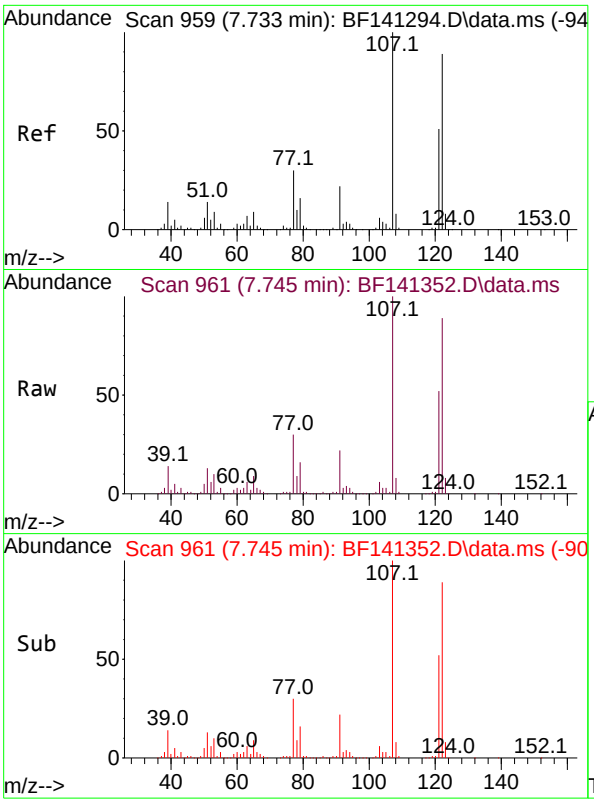


#26
2-Nitrophenol
Concen: 43.531 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:139 Resp: 255094

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.8	35.6
65	53.3	42.2	63.4

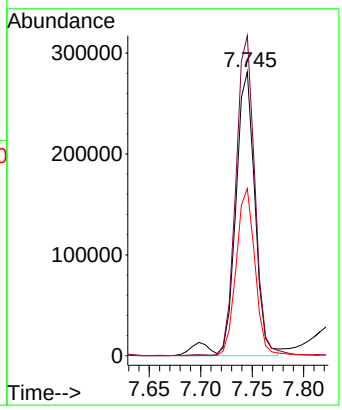




#27
2,4-Dimethylphenol
Concen: 50.107 ng m
RT: 7.745 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:122 Resp: 37374

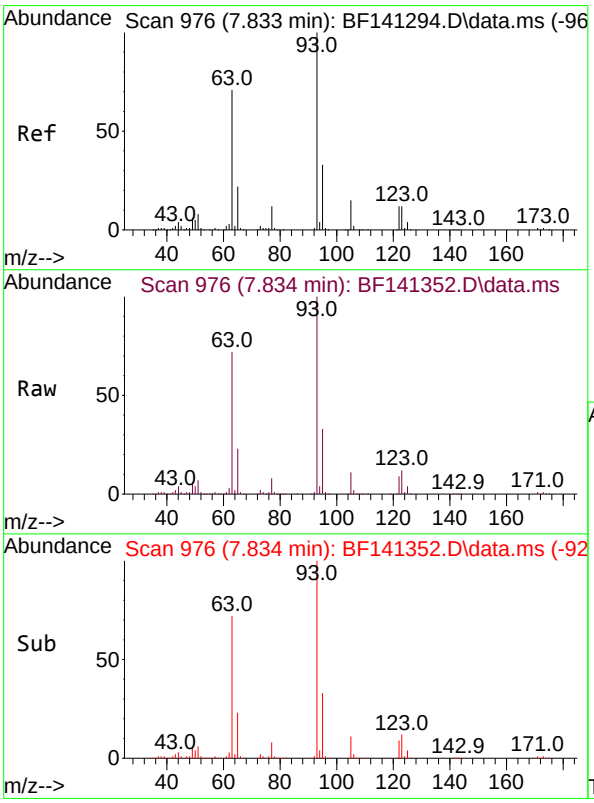
Ion	Ratio	Lower	Upper
122	100		
107	112.7	89.9	134.9
121	58.9	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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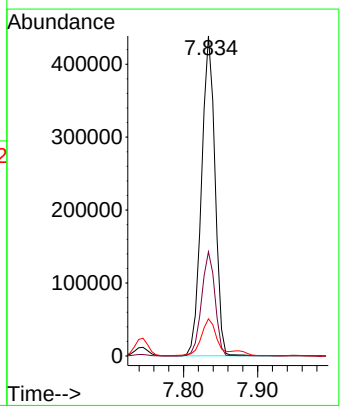
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

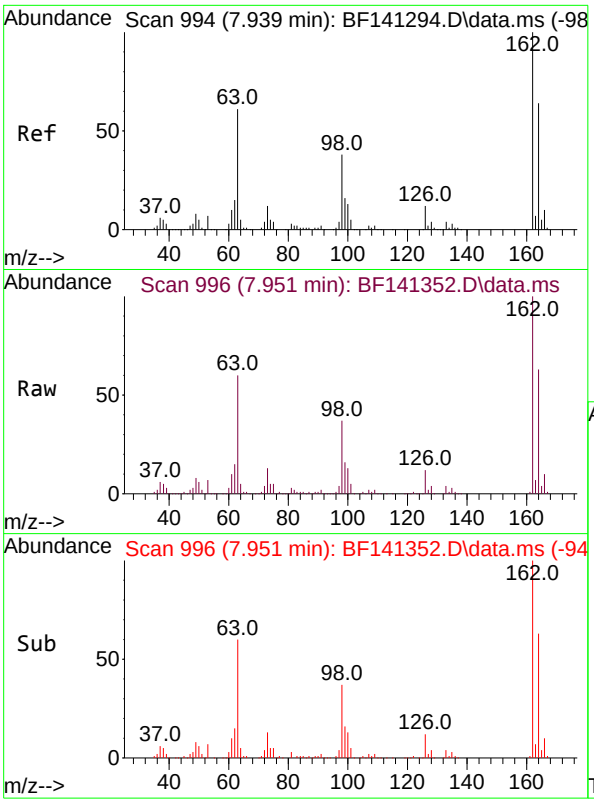


#28
bis(2-Chloroethoxy)methane
Concen: 42.009 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 93 Resp: 555377

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	11.6	10.2	15.4

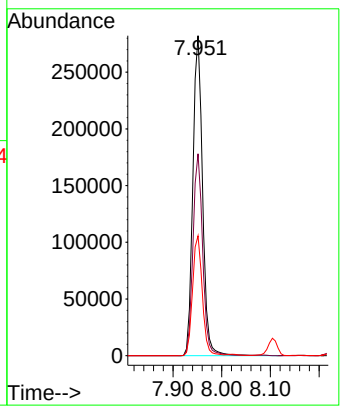




#29
2,4-Dichlorophenol
Concen: 42.827 ng
RT: 7.951 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:162 Resp: 39106

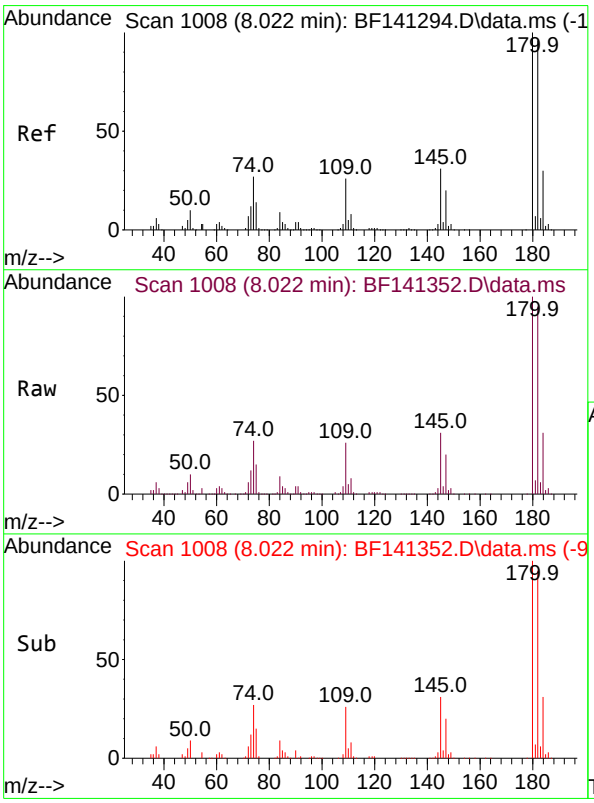
Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.2	84.2
98	37.5	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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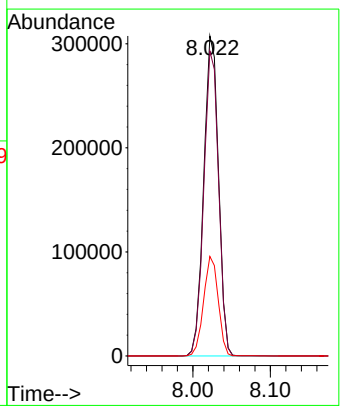
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

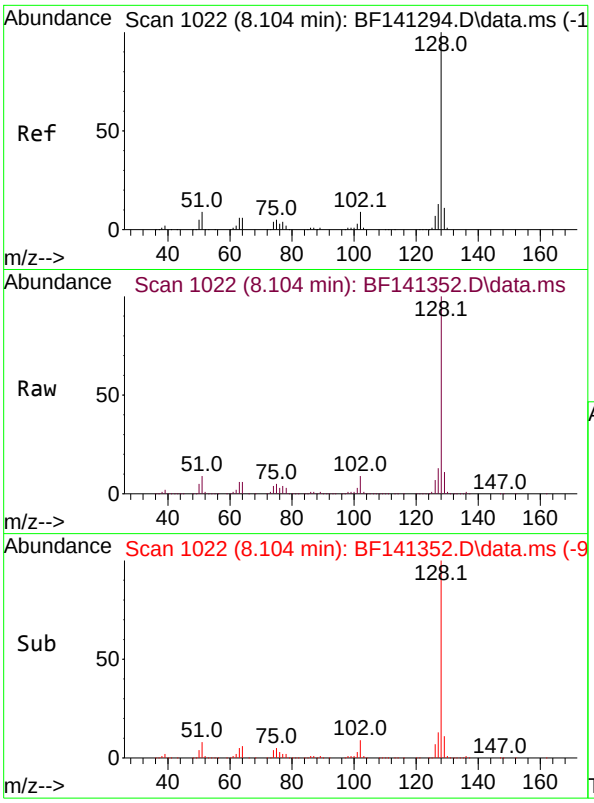


#30
1,2,4-Trichlorobenzene
Concen: 39.069 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:180 Resp: 407421

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.1	24.9	37.3





#31
Naphthalene
Concen: 40.119 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

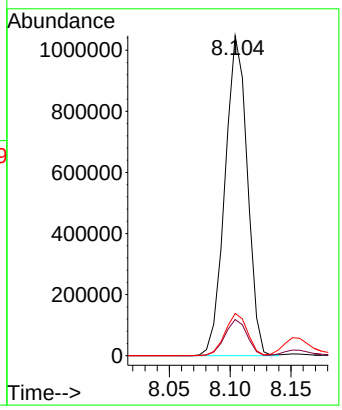
Tgt Ion:128 Resp: 133961

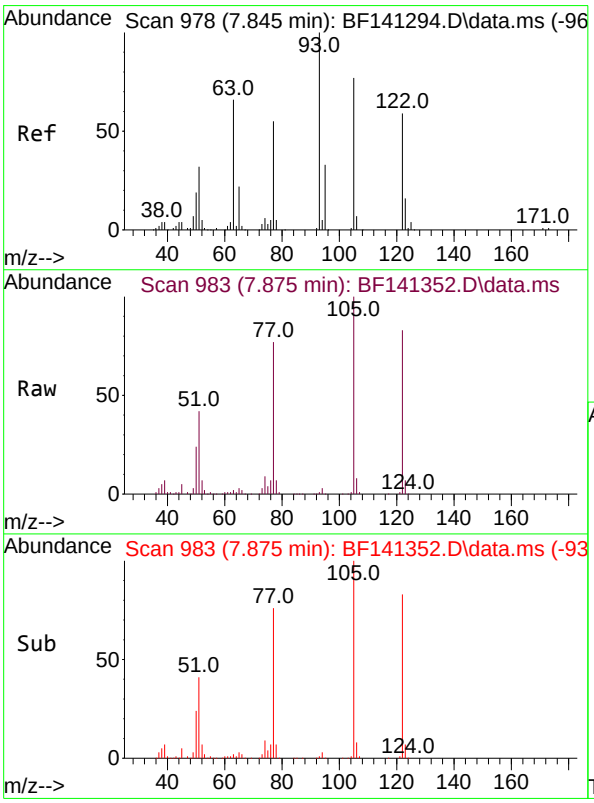
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.2	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

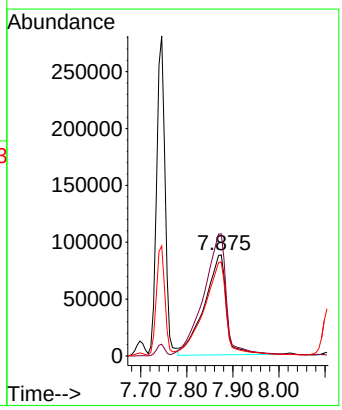


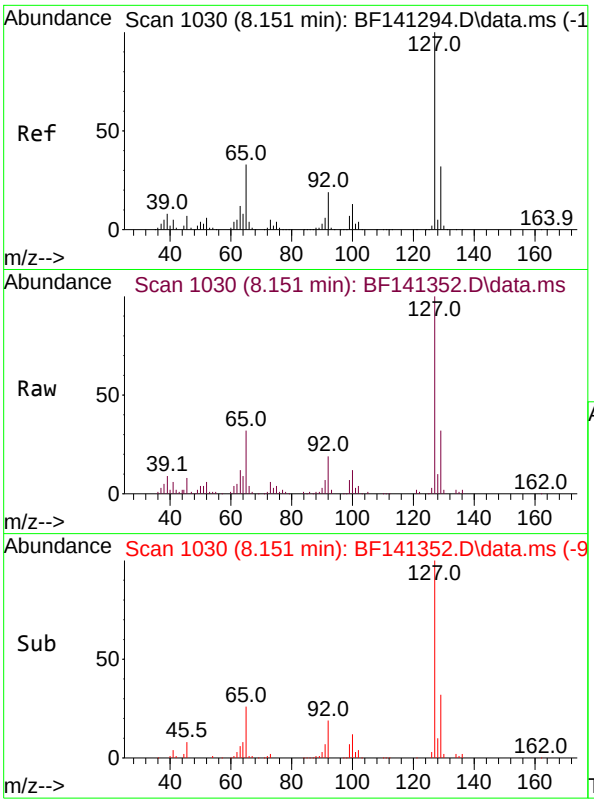


#32
Benzoic acid
Concen: 42.771 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:122 Resp: 293276

Ion	Ratio	Lower	Upper
122	100		
105	121.0	103.4	143.4
77	93.1	70.9	110.9

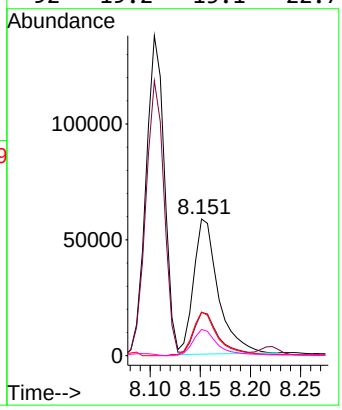




#33
4-Chloroaniline
Concen: 8.796 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:127 Resp: 9959

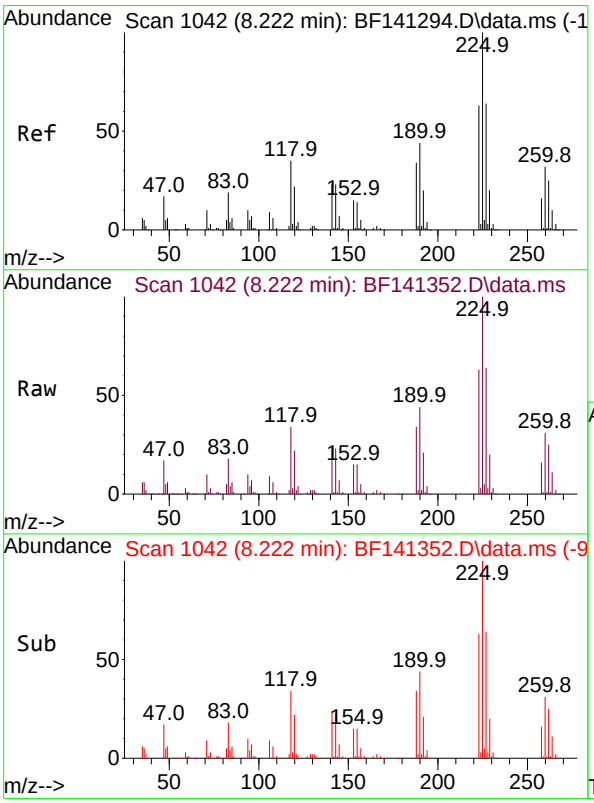
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.7	38.5
65	32.0	26.4	39.6
92	19.2	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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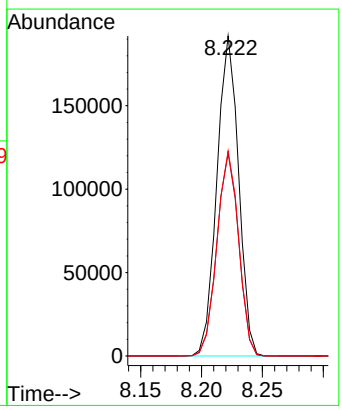
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

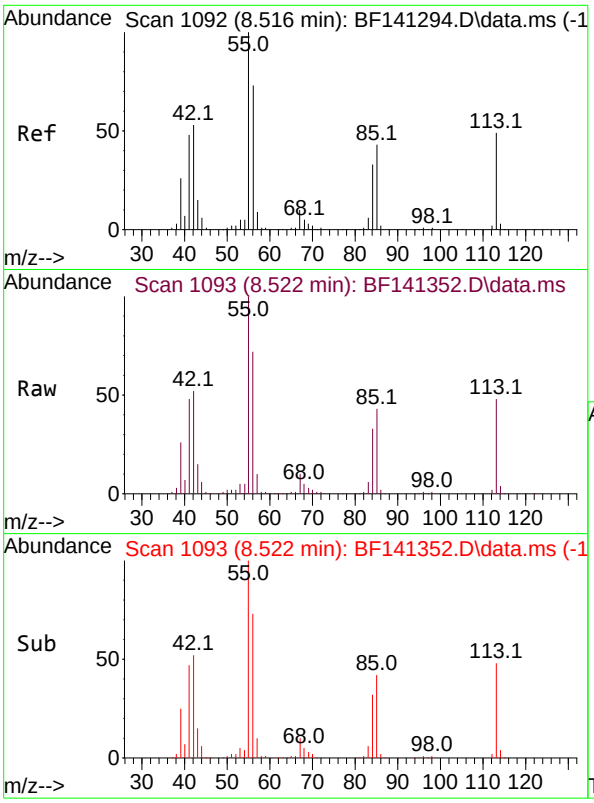


#34
Hexachlorobutadiene
Concen: 38.821 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:225 Resp: 237412

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.4	75.6
227	64.1	51.3	76.9





#35
Caprolactam
Concen: 43.427 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

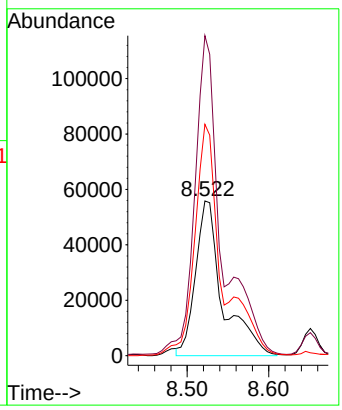
Tgt Ion:113 Resp: 12950

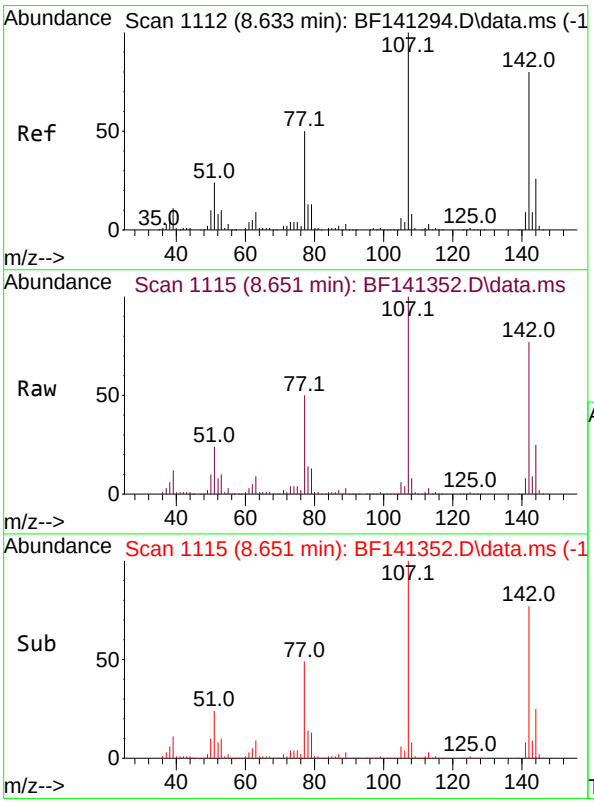
Ion	Ratio	Lower	Upper
113	100		
55	206.9	182.9	222.9
56	149.6	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

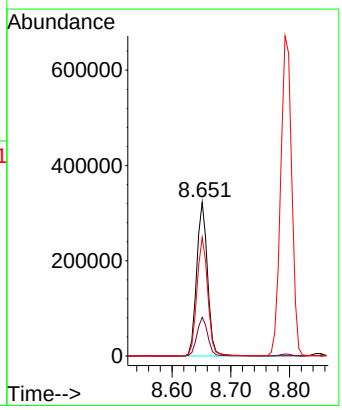


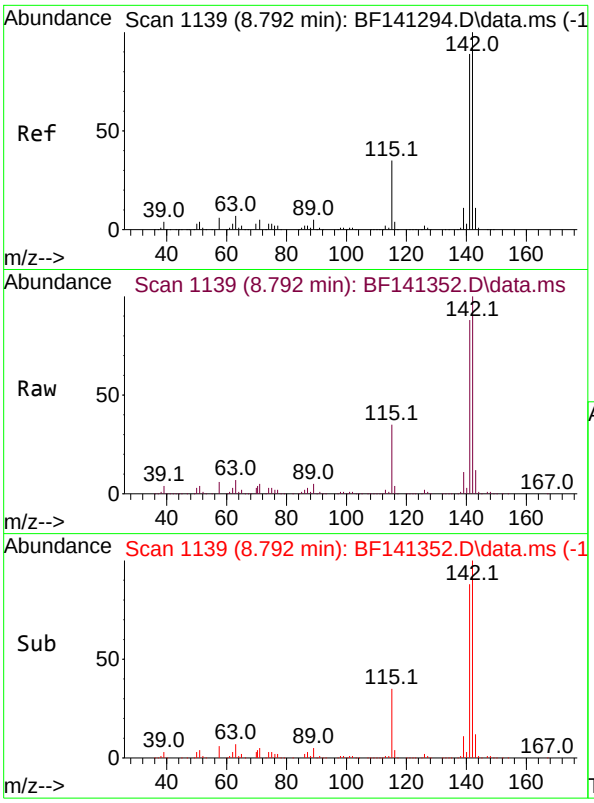


#36
4-Chloro-3-methylphenol
Concen: 42.094 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.012 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:107 Resp: 412298

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	77.0	63.8	95.8





#37
2-Methylnaphthalene
Concen: 41.263 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

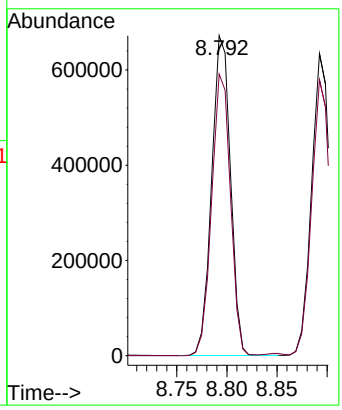
Tgt Ion:142 Resp: 87572

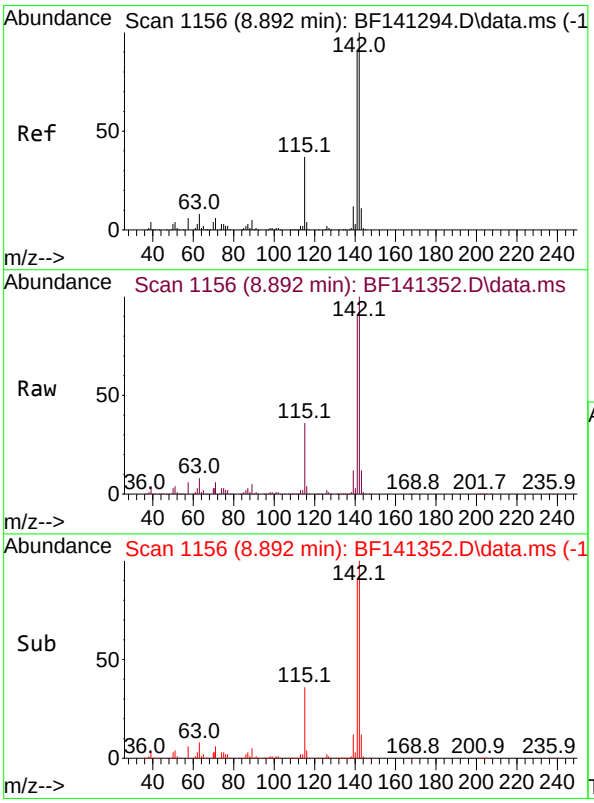
Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

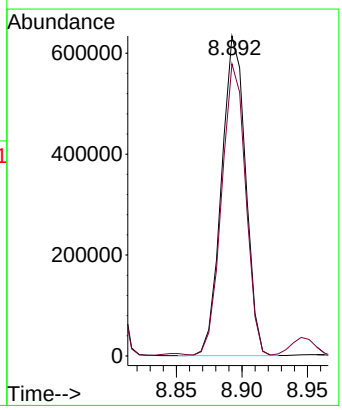


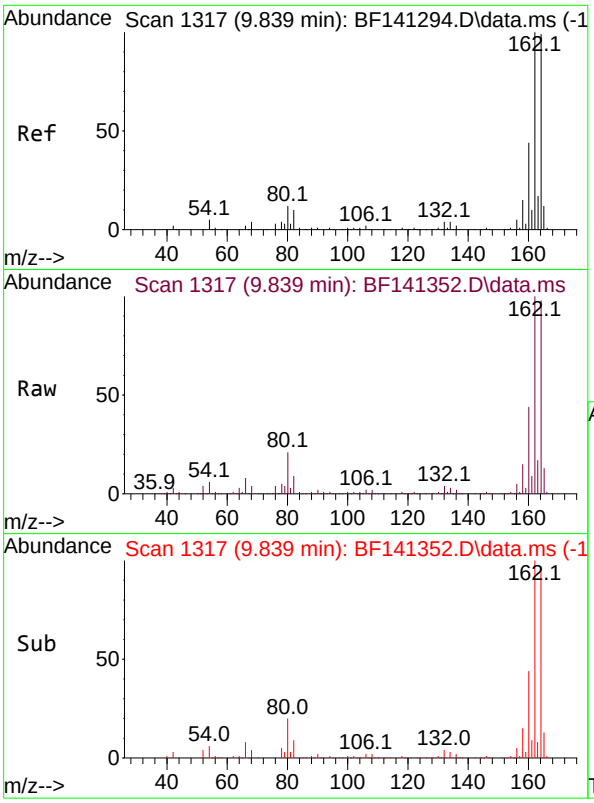


#38
1-Methylnaphthalene
Concen: 38.739 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:142 Resp: 807610

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8

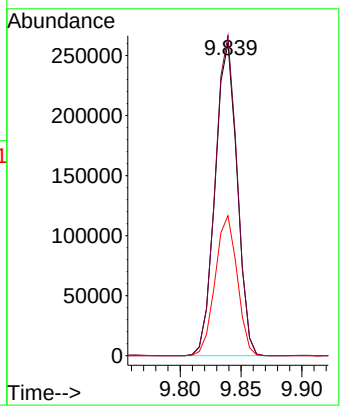




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:164 Resp: 32738

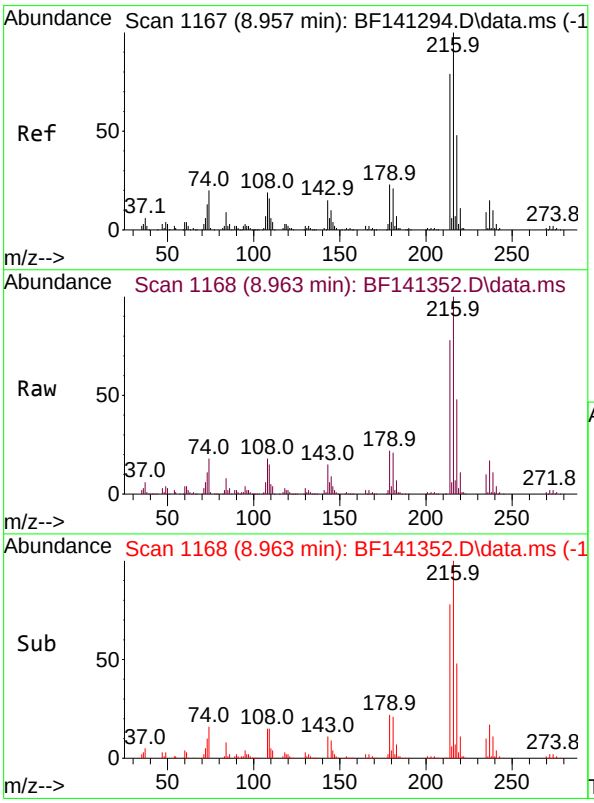
Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	121.0
160	44.8	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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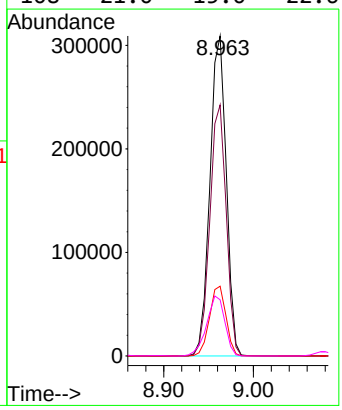
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

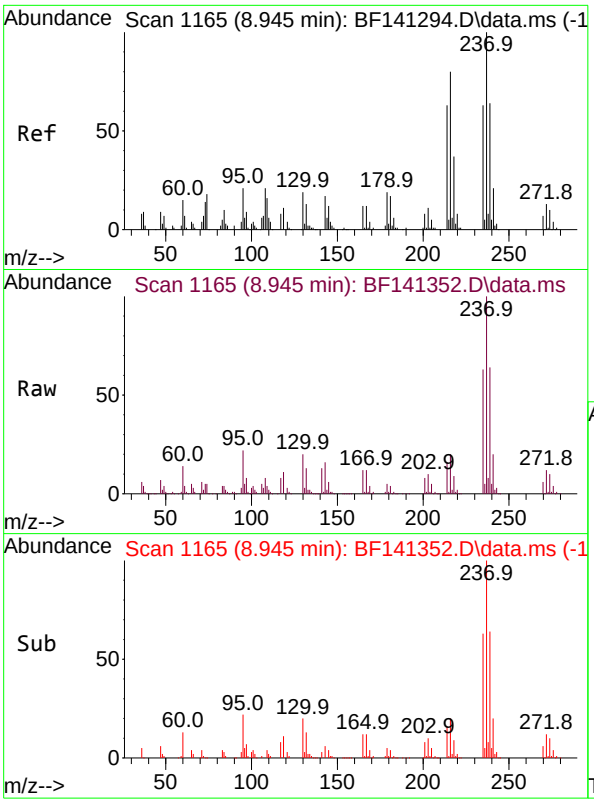


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.976 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:216 Resp: 390961

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.2	94.8
179	22.0	17.8	26.8
108	21.0	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 133.935 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

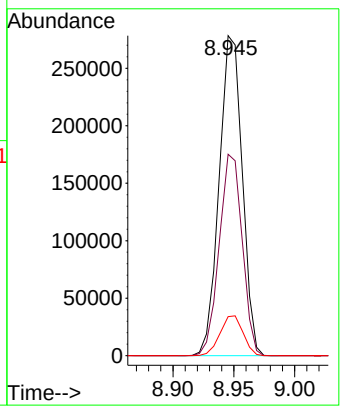
Tgt Ion:237 Resp: 36840

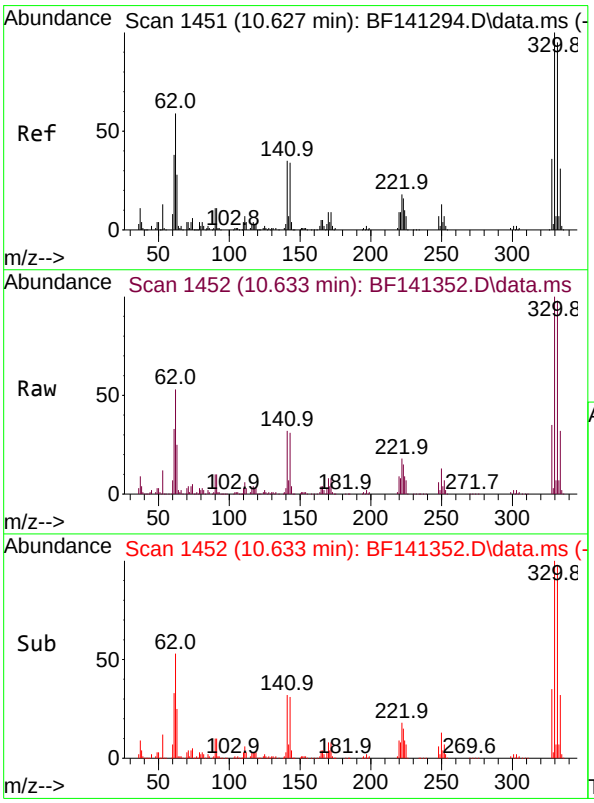
Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.2	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

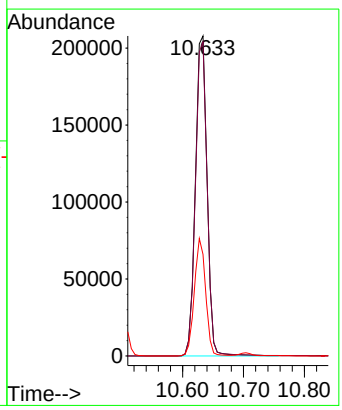


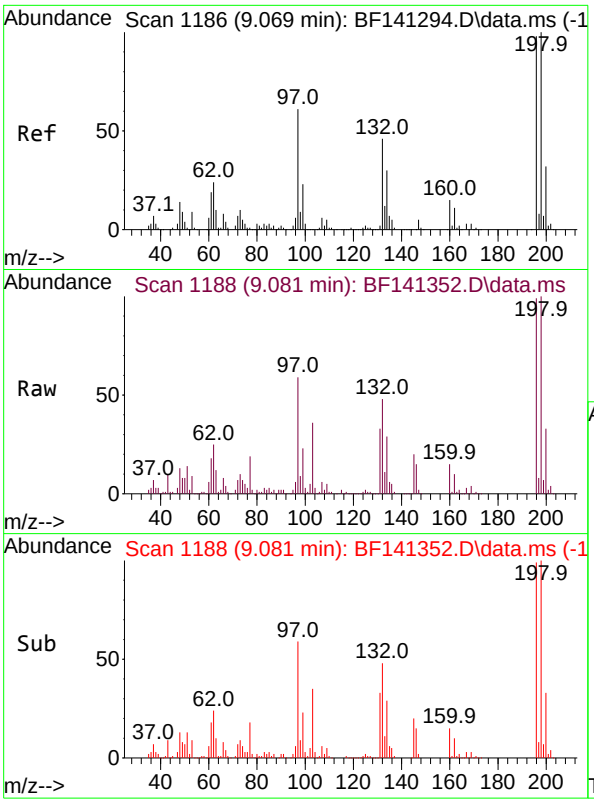


#42
2,4,6-Tribromophenol
Concen: 92.213 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:330 Resp: 276769

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.1	114.1
141	35.7	28.8	43.2

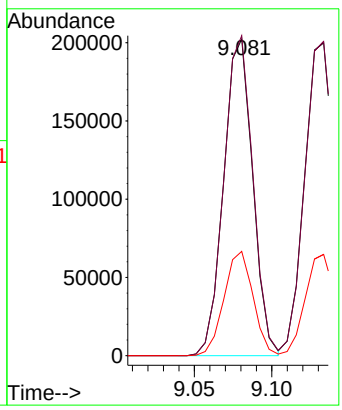




#43
2,4,6-Trichlorophenol
Concen: 43.328 ng
RT: 9.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:196 Resp: 26414

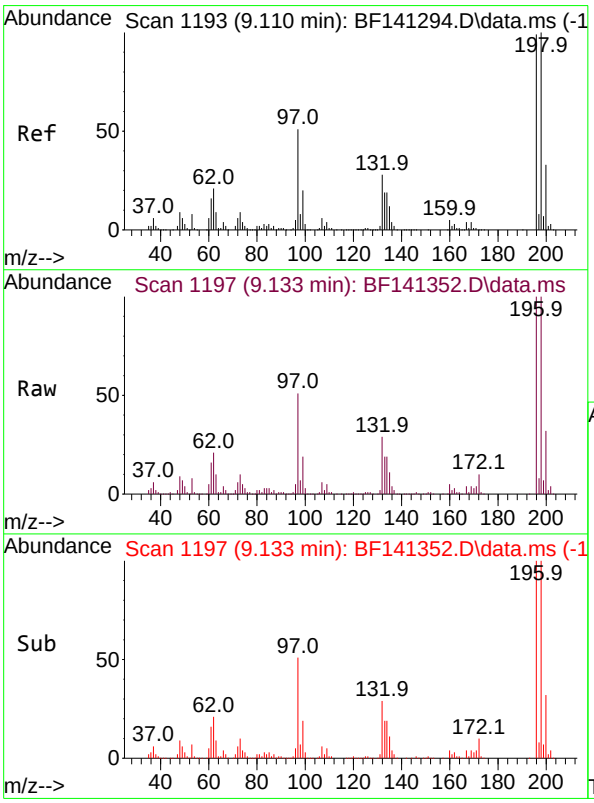
Ion	Ratio	Lower	Upper
196	100		
198	101.1	81.8	122.6
200	32.9	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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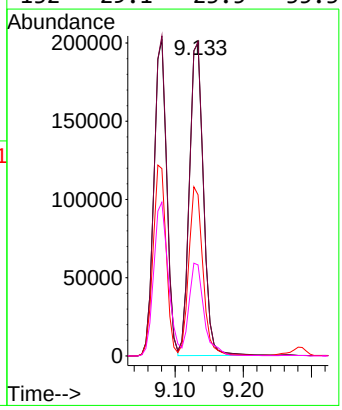
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

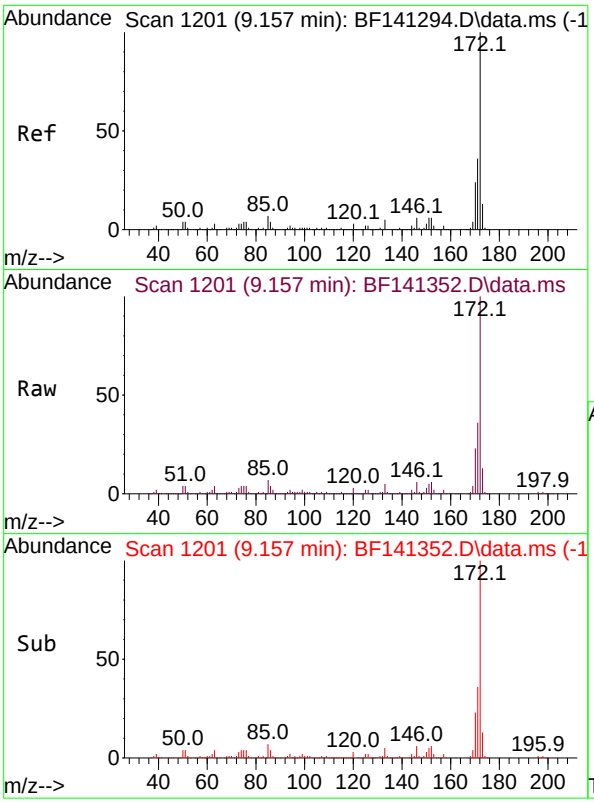


#44
2,4,5-Trichlorophenol
Concen: 42.861 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.017 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:196 Resp: 284388

Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.5	120.7
97	51.5	42.8	64.2
132	29.1	23.5	35.3

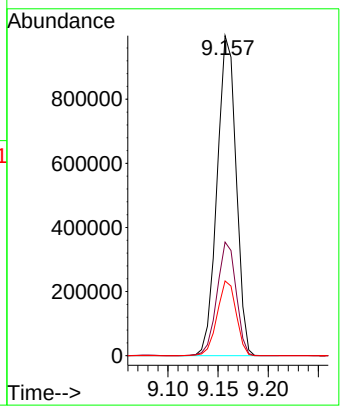




#45
2-Fluorobiphenyl
Concen: 61.779 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:172 Resp: 131406

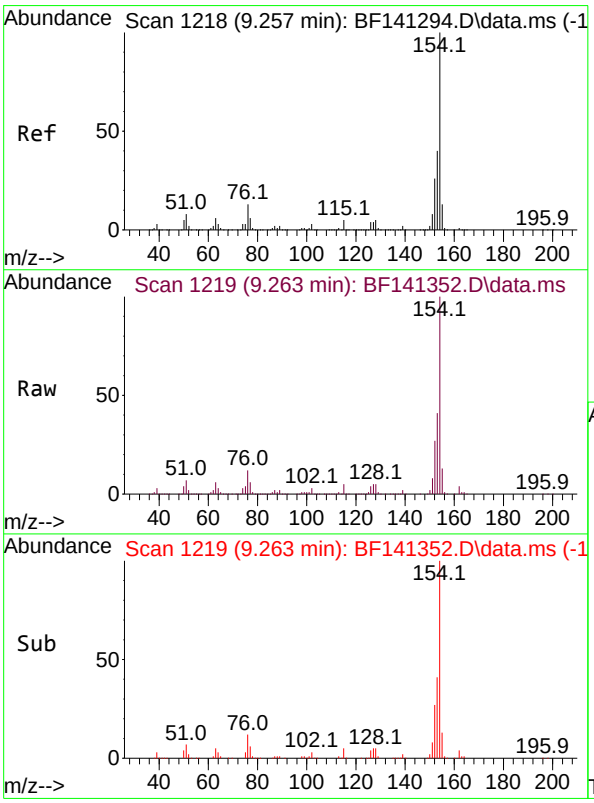
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.3	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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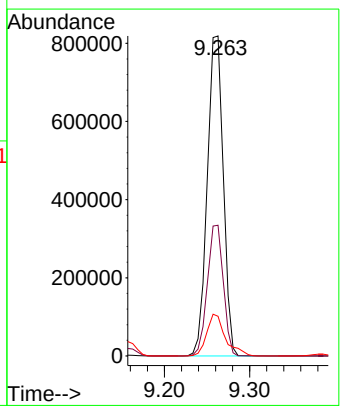
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

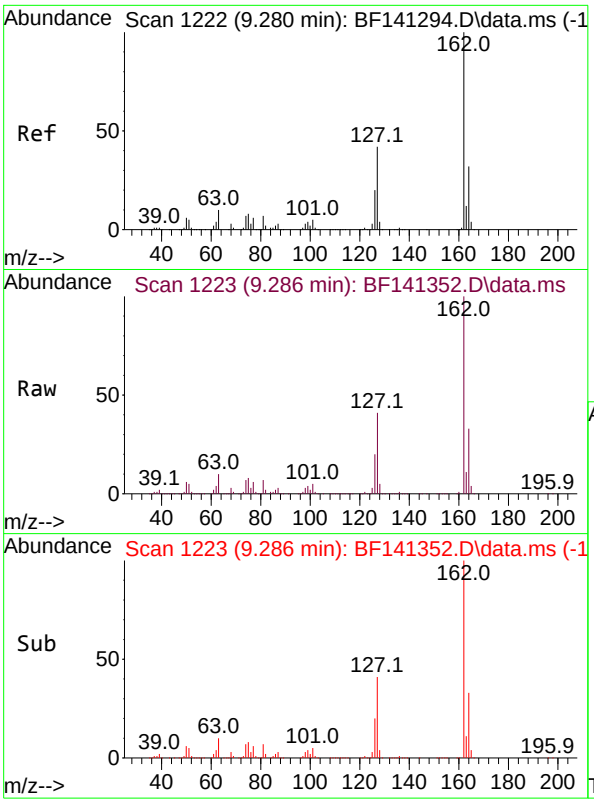


#46
1,1'-Biphenyl
Concen: 41.919 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:154 Resp: 1070294

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.0	60.0
76	12.4	0.0	32.8

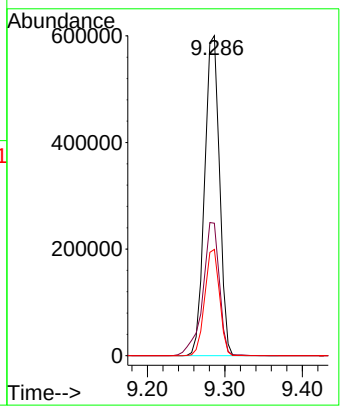




#47
2-Chloronaphthalene
Concen: 40.168 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:162 Resp: 79938

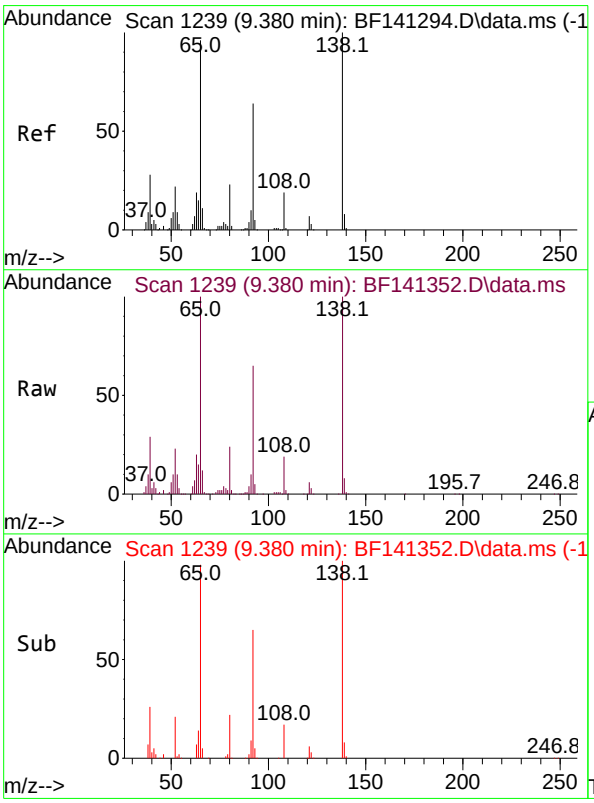
Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.7	50.5
164	33.2	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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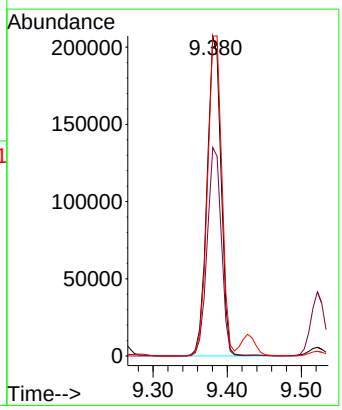
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

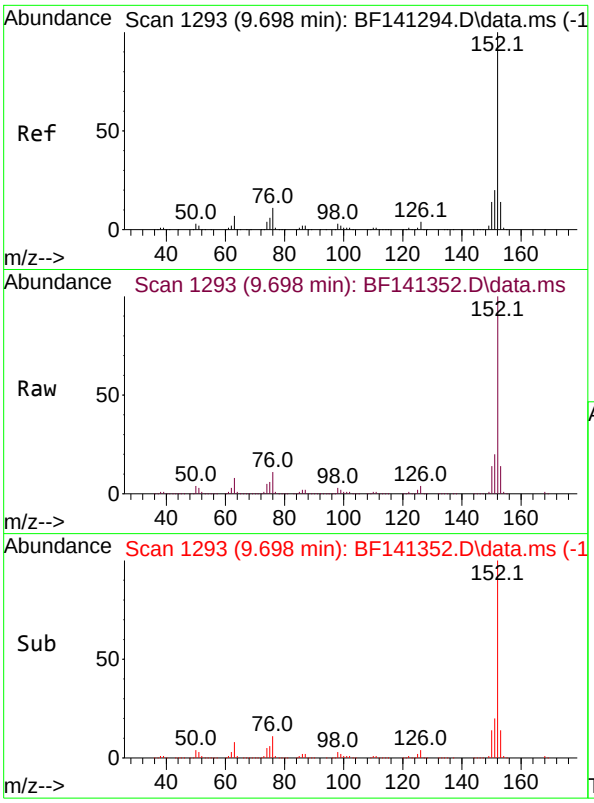


#48
2-Nitroaniline
Concen: 43.530 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 65 Resp: 272485

Ion	Ratio	Lower	Upper
65	100		
92	65.1	53.3	79.9
138	100.0	83.6	125.4

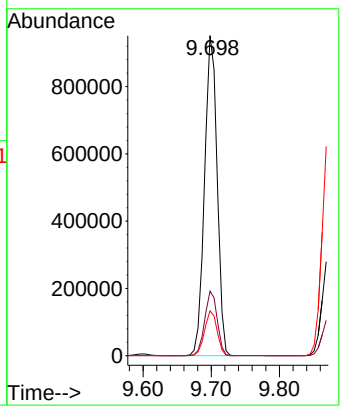




#49
Acenaphthylene
Concen: 43.870 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:152 Resp: 122212

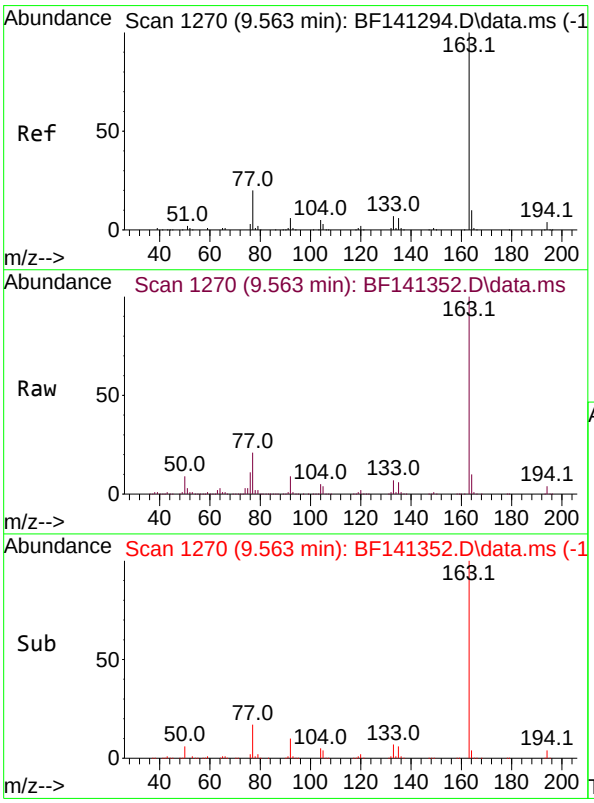
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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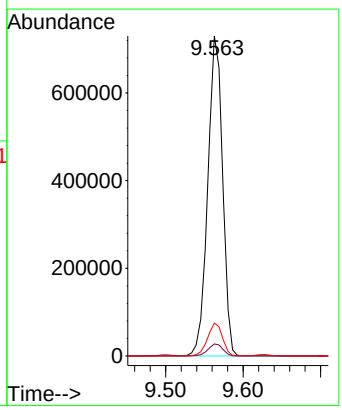
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

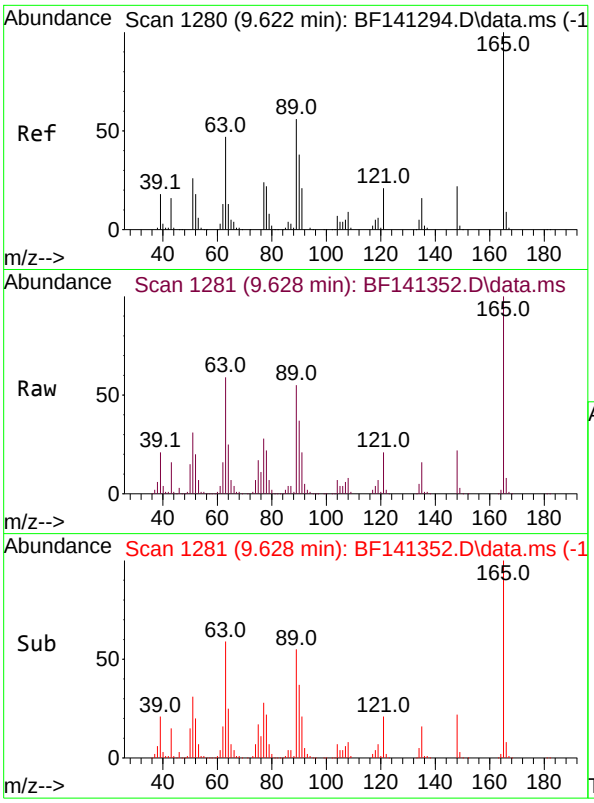


#50
Dimethylphthalate
Concen: 43.857 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:163 Resp: 969748

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 41.273 ng
RT: 9.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

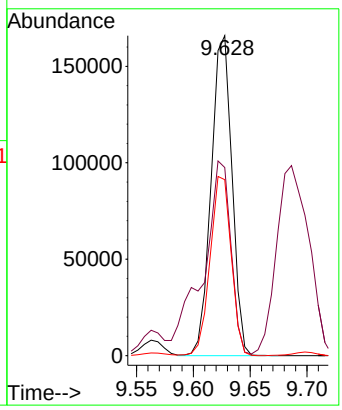
Tgt Ion:165 Resp: 21189

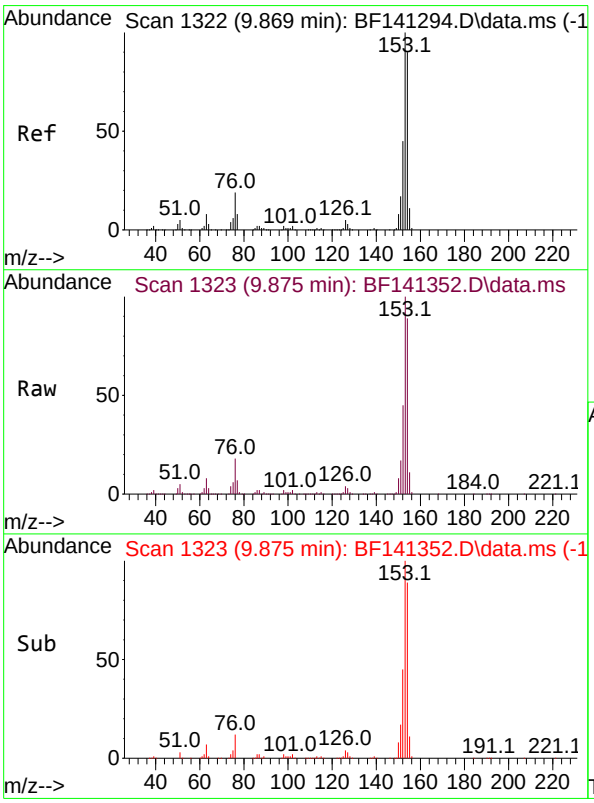
Ion	Ratio	Lower	Upper
165	100		
63	58.8	48.1	72.1
89	55.0	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
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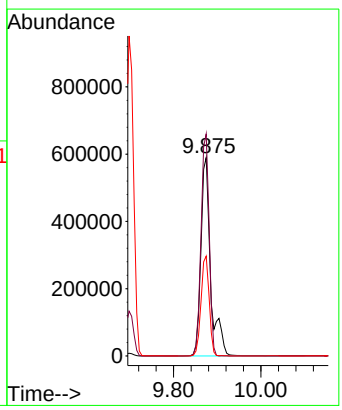


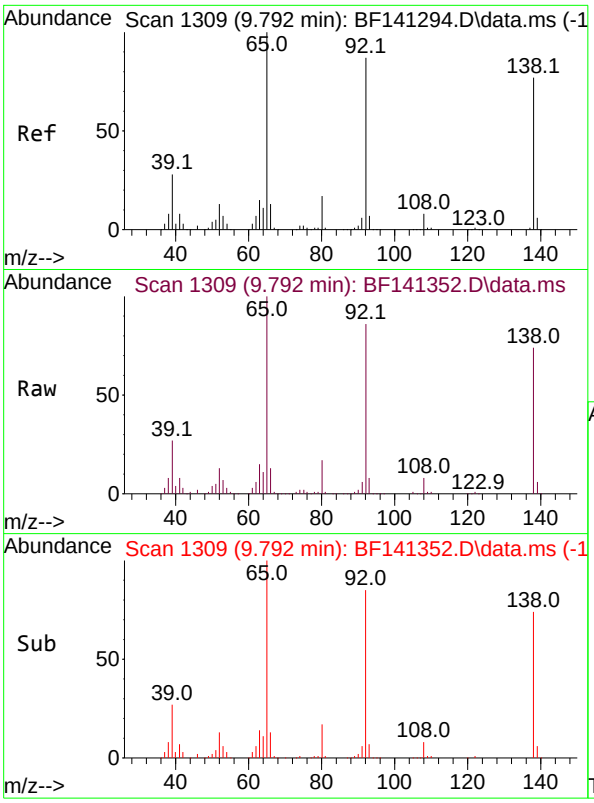


#52
Acenaphthene
Concen: 46.100 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:154 Resp: 917466

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.0	133.4
152	50.4	40.2	60.4





#53
3-Nitroaniline
Concen: 27.509 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

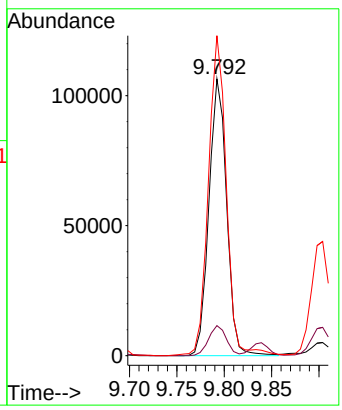
Tgt Ion:138 Resp: 13842

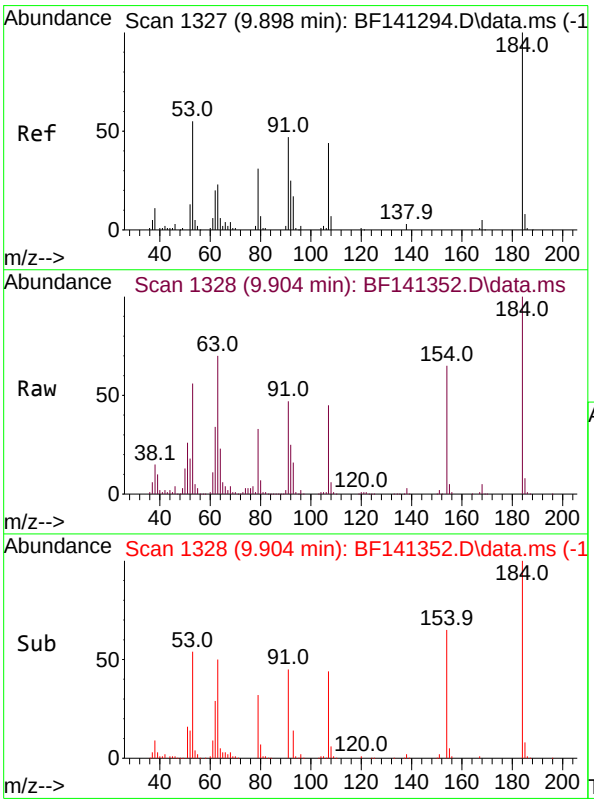
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	115.6	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

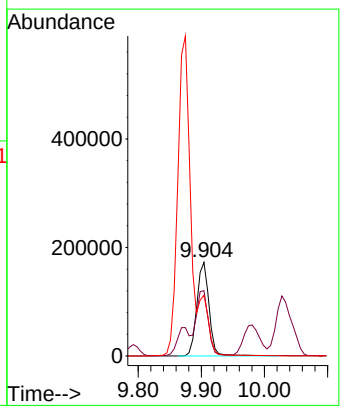


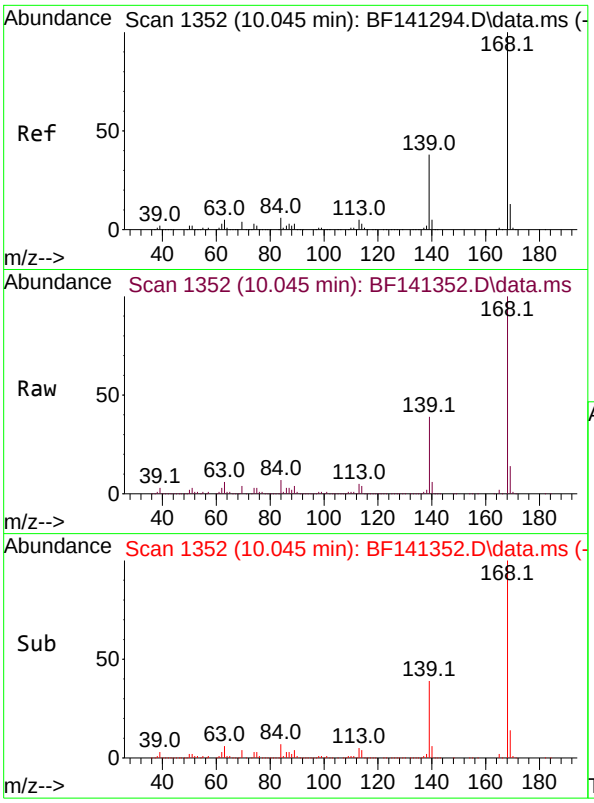


#54
2,4-Dinitrophenol
Concen: 97.163 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:184 Resp: 231891

Ion	Ratio	Lower	Upper
184	100		
63	69.7	54.1	81.1
154	64.8	50.7	76.1





#55
Dibenzofuran
Concen: 41.404 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

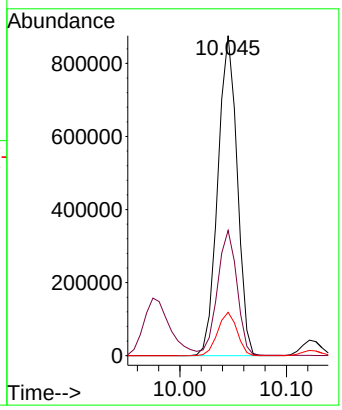
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

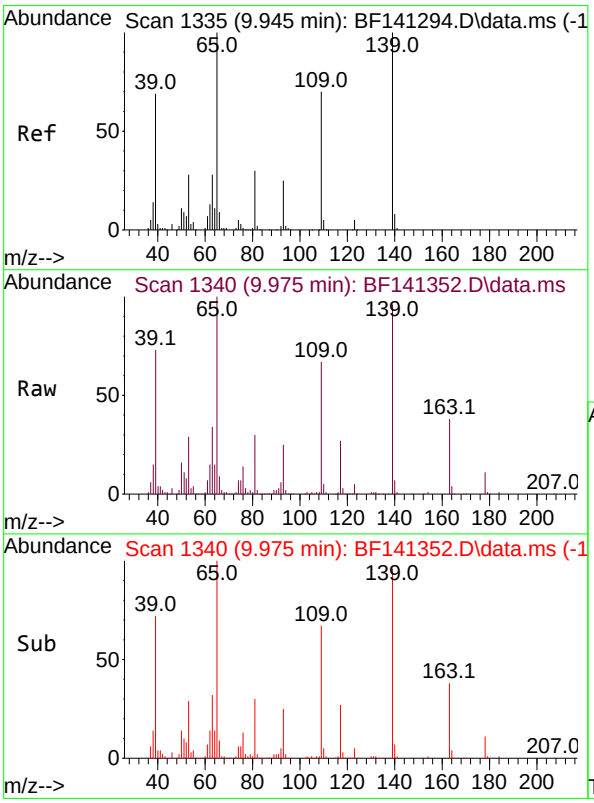
Tgt Ion:168 Resp: 110298

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.6	46.0
169	13.6	10.8	16.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

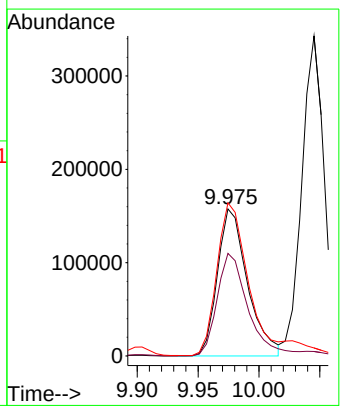


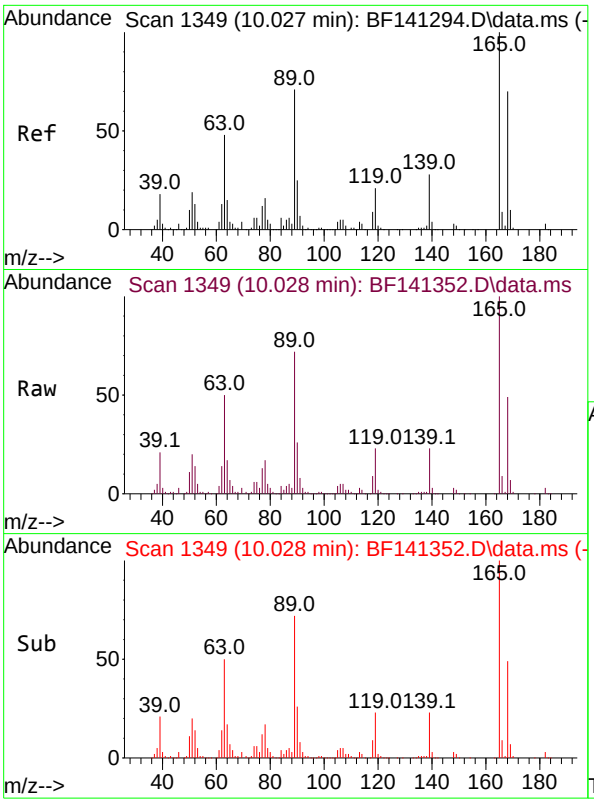


#56
4-Nitrophenol
Concen: 73.603 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:139 Resp: 270862

Ion	Ratio	Lower	Upper
139	100		
109	69.7	50.2	90.2
65	104.2	80.6	120.6

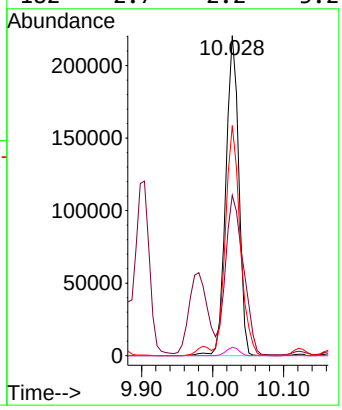




#57
2,4-Dinitrotoluene
Concen: 42.091 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:165 Resp: 27978

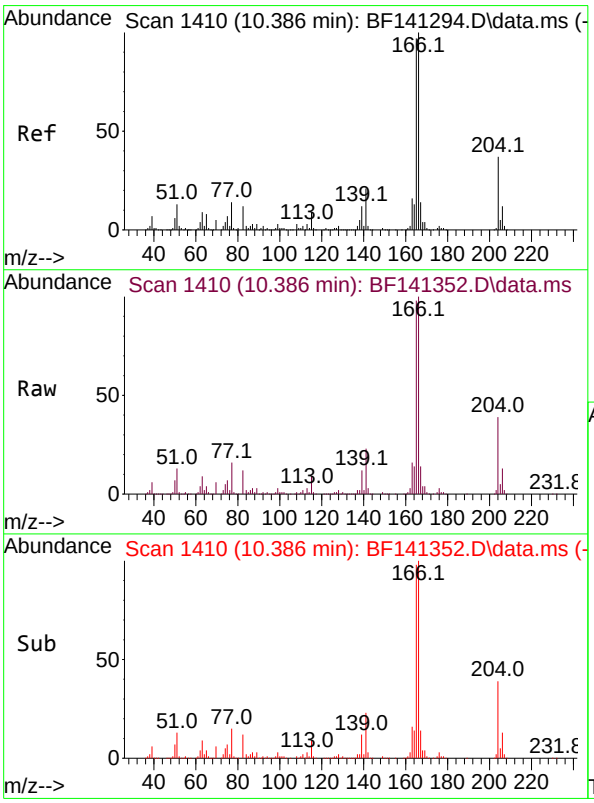
Ion	Ratio	Lower	Upper
165	100		
63	50.2	39.2	58.8
89	71.9	56.9	85.3
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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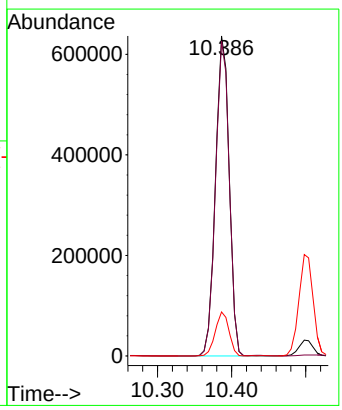
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

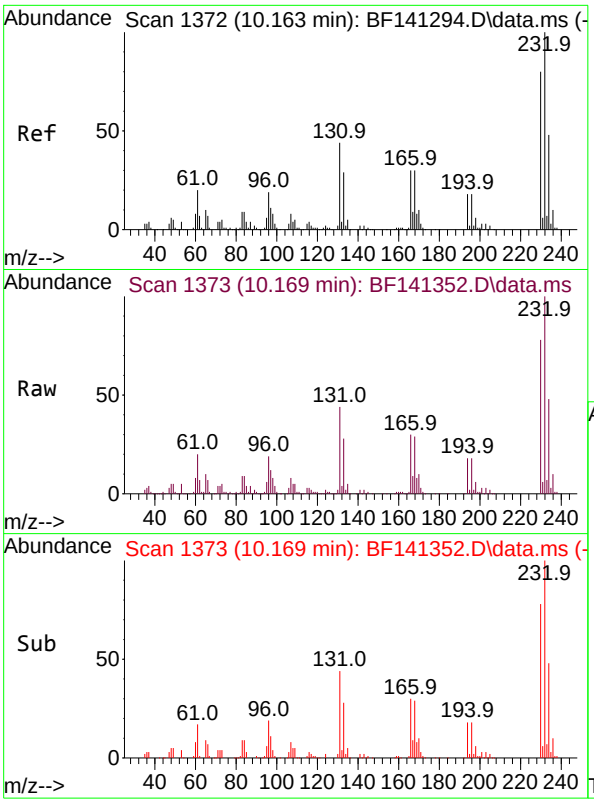


#58
Fluorene
Concen: 39.575 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:166 Resp: 817762

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.5	116.3
167	13.7	10.9	16.3

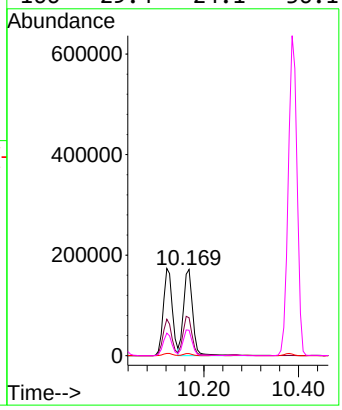




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.188 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:232 Resp: 23065

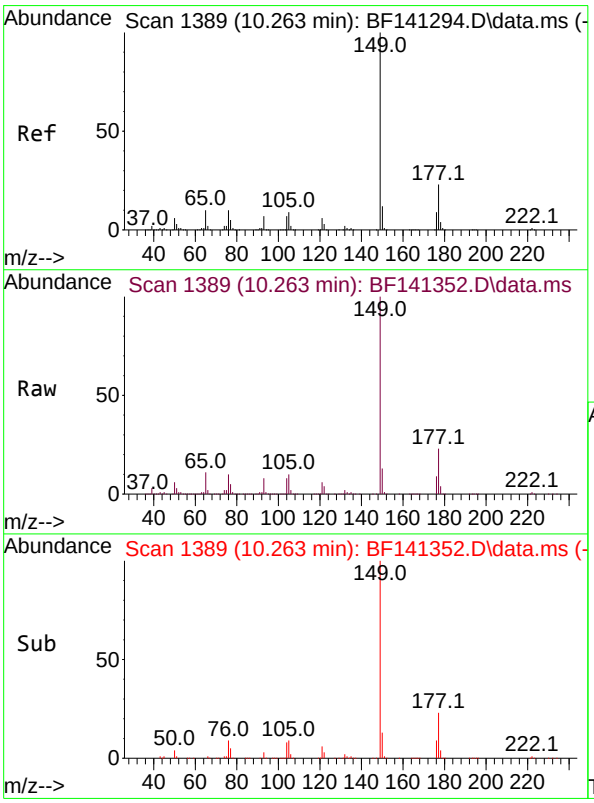
Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.4	54.6
130	2.4	1.9	2.9
166	29.4	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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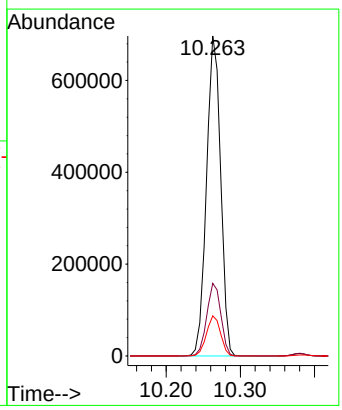
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

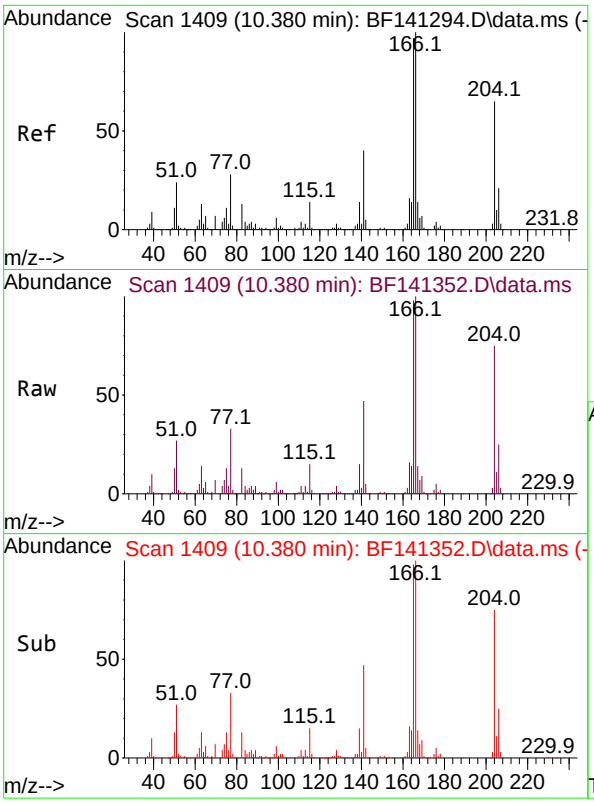


#60
Diethylphthalate
Concen: 43.075 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:149 Resp: 923514

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.5	27.7
150	12.6	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 40.273 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

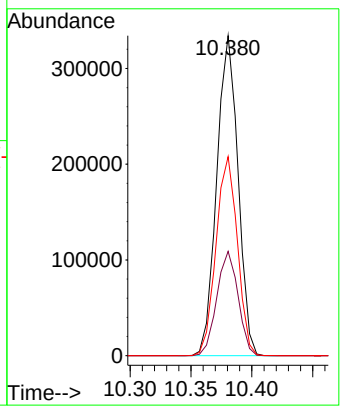
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

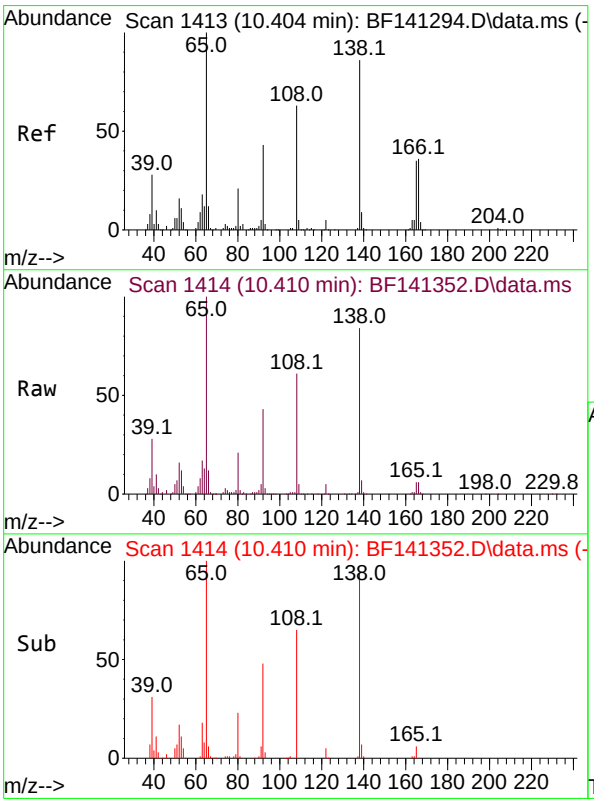
Tgt Ion:204 Resp: 40650

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	62.2	49.5	74.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

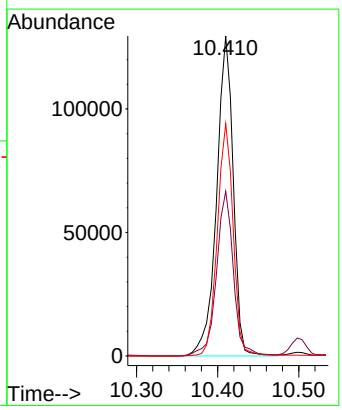


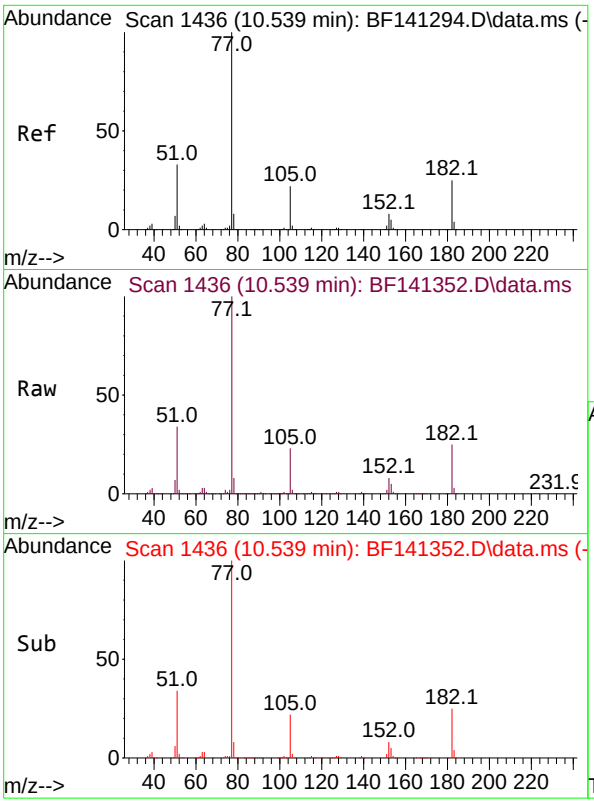


#62
4-Nitroaniline
Concen: 37.489 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:138 Resp: 185463

Ion	Ratio	Lower	Upper
138	100		
92	51.5	30.1	70.1
108	72.6	53.1	93.1

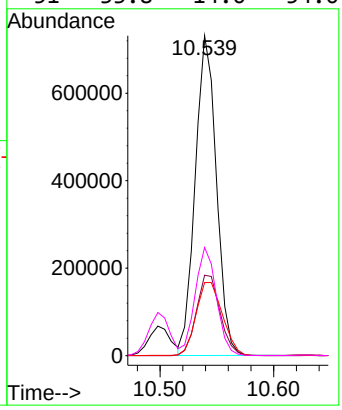




#63
Azobenzene
Concen: 44.113 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion: 77 Resp: 94670

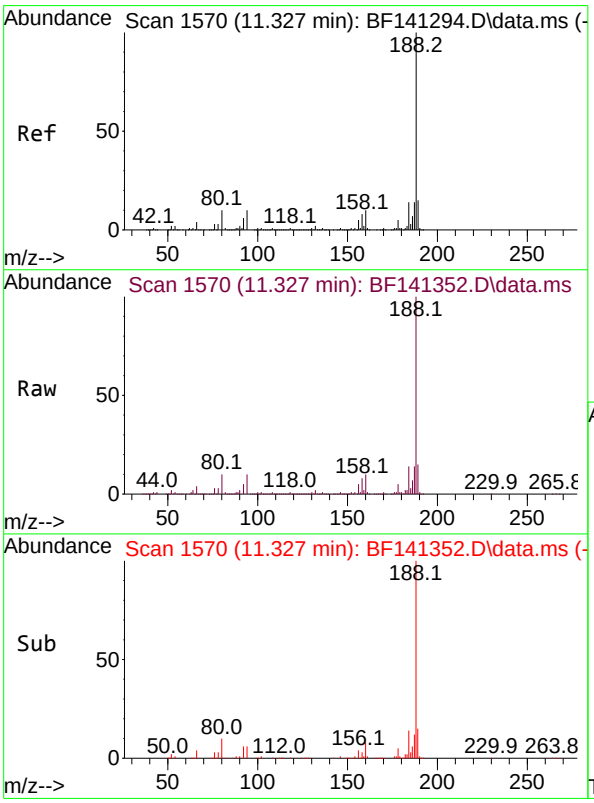
Ion	Ratio	Lower	Upper
77	100		
182	25.2	5.1	45.1
105	22.8	1.8	41.8
51	33.8	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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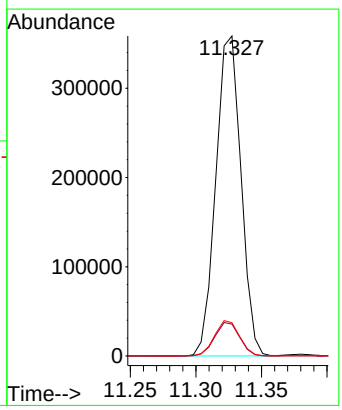
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

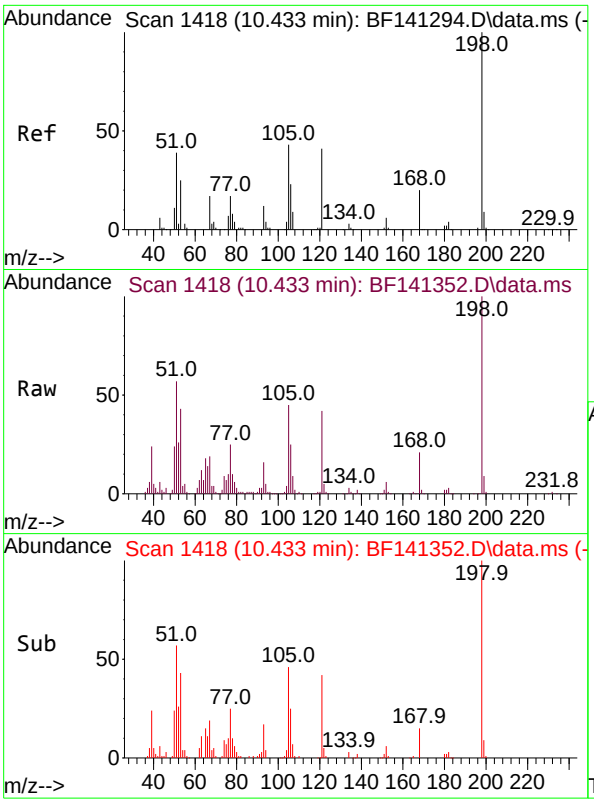


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:188 Resp: 478396

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.4	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.706 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

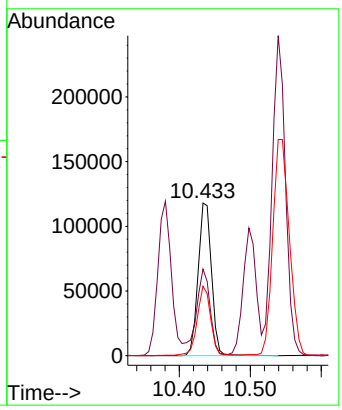
Tgt Ion:198 Resp: 15480

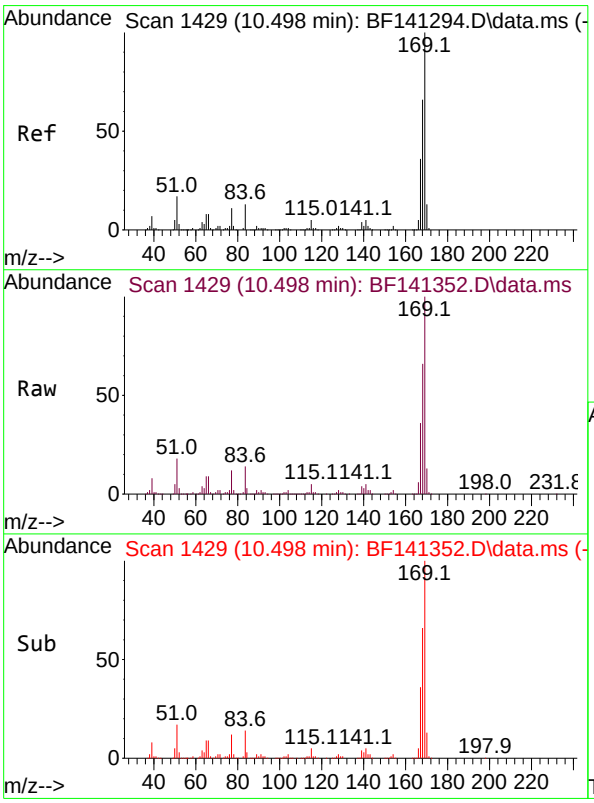
Ion	Ratio	Lower	Upper
198	100		
51	56.8	33.4	73.4
105	45.5	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

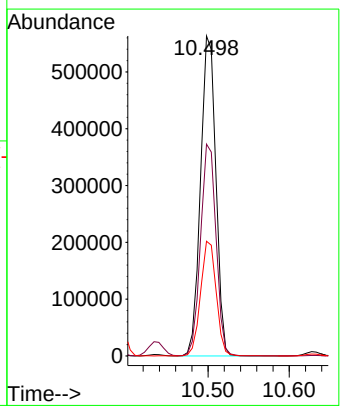


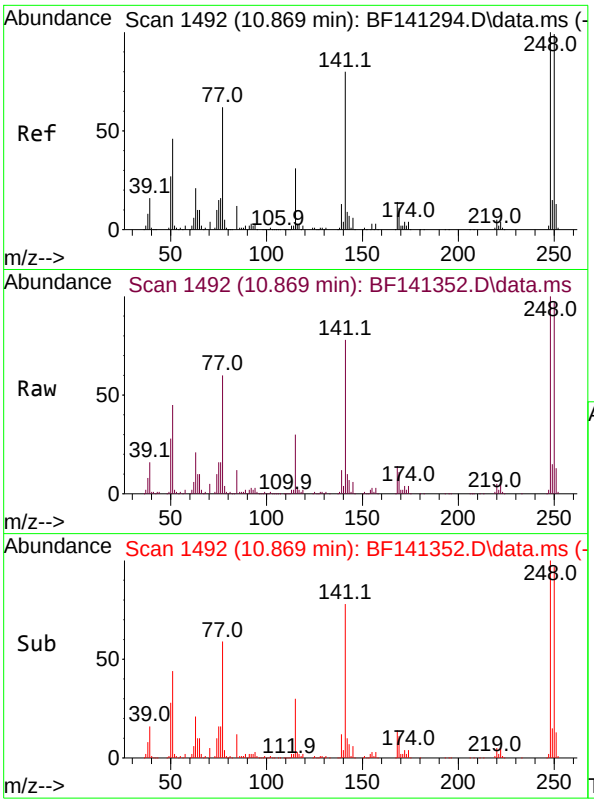


#66
n-Nitrosodiphenylamine
Concen: 47.710 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:169 Resp: 738221

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.8	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 47.237 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

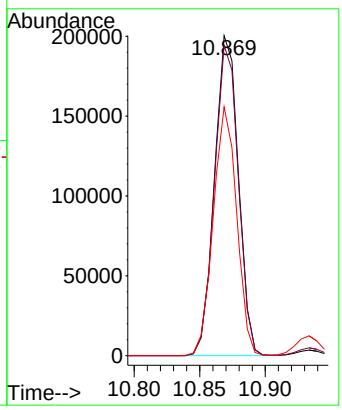
Tgt Ion:248 Resp: 25299

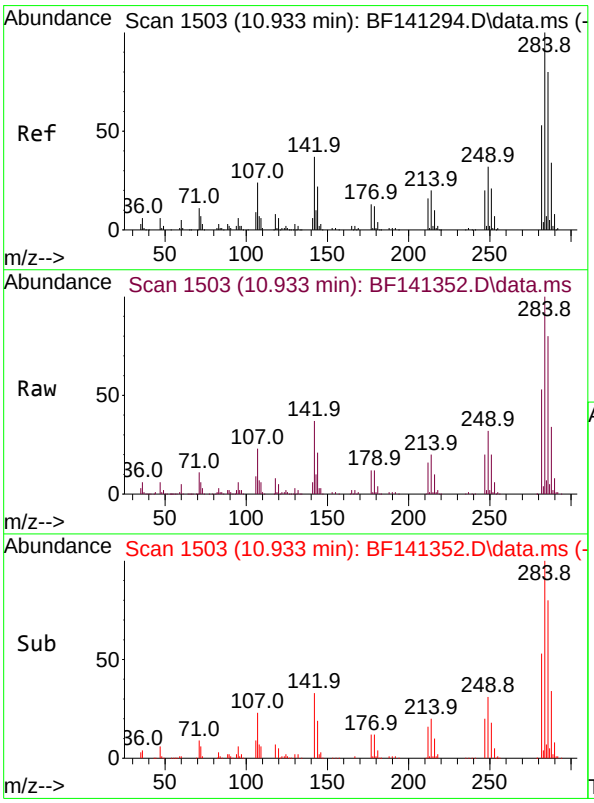
Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	77.7	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

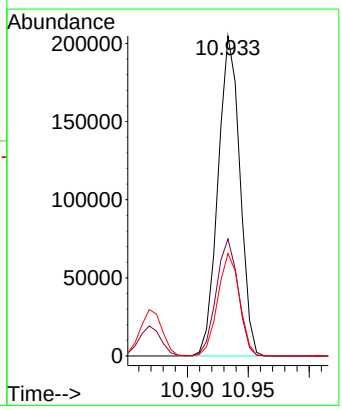


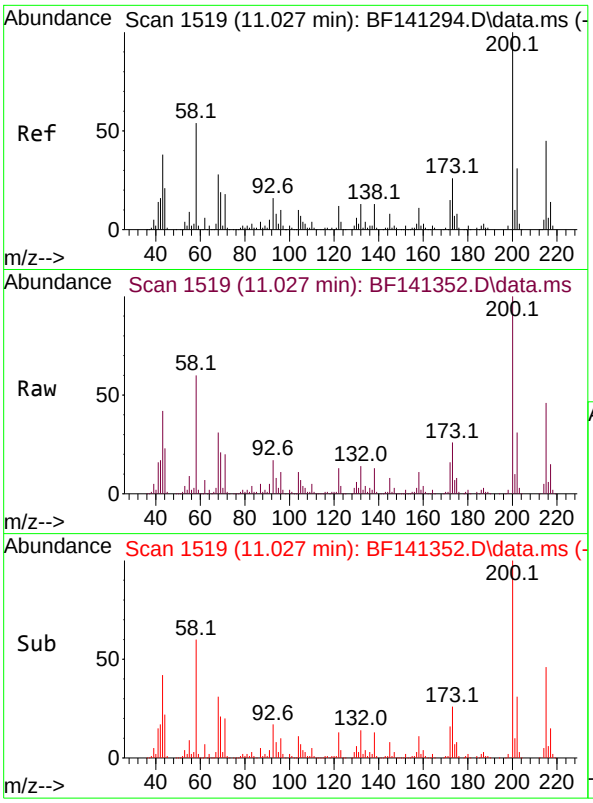


#68
Hexachlorobenzene
Concen: 45.031 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:284 Resp: 255828

Ion	Ratio	Lower	Upper
284	100		
142	36.5	29.5	44.3
249	32.0	25.4	38.2

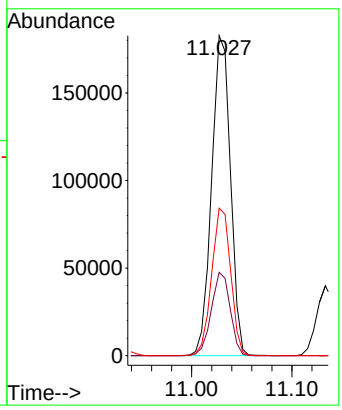




#69
Atrazine
Concen: 46.011 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:200 Resp: 23803

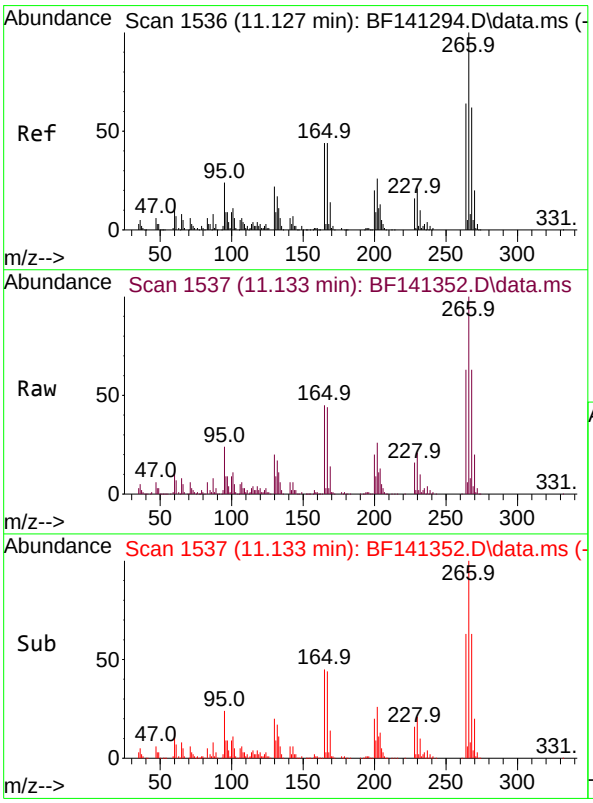
Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.9	45.9
215	46.1	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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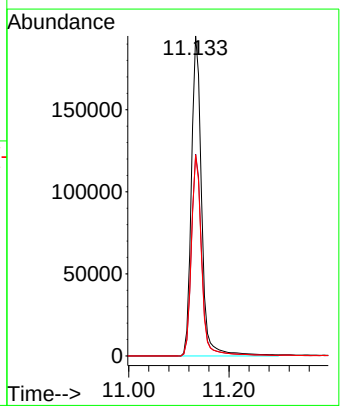
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

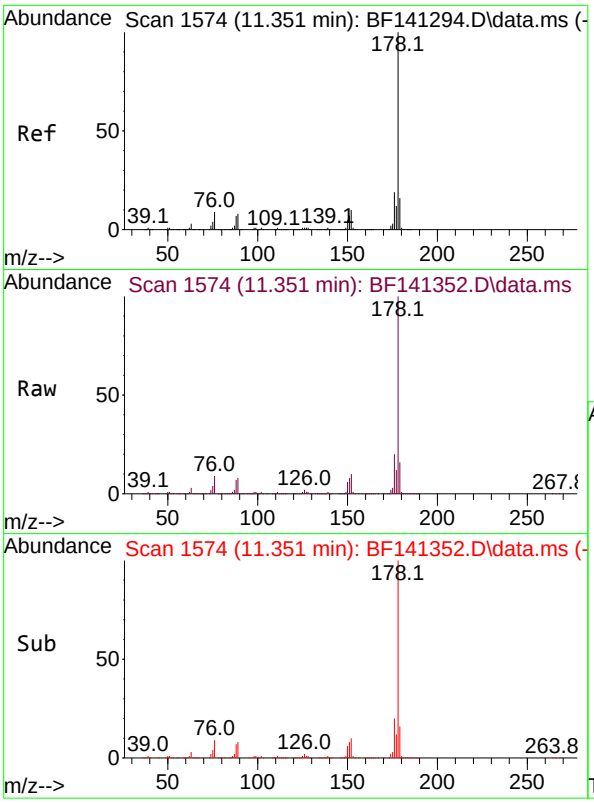


#70
Pentachlorophenol
Concen: 82.968 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:266 Resp: 276016

Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.9	74.9
264	62.8	51.0	76.4





#71
Phenanthrene
Concen: 43.554 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

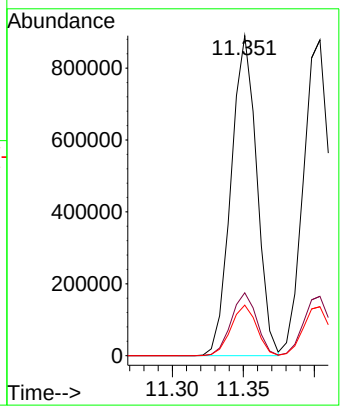
Tgt Ion:178 Resp: 112003

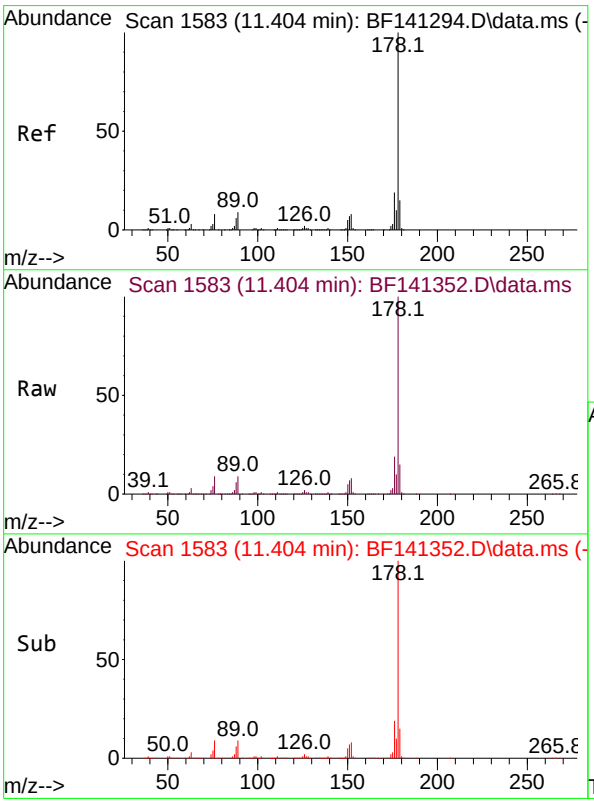
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.8	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

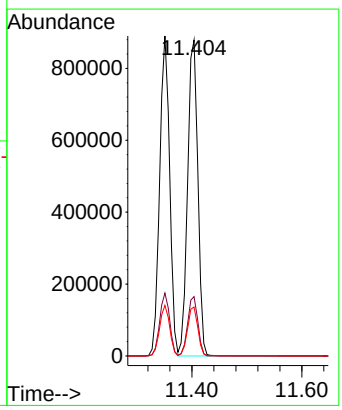


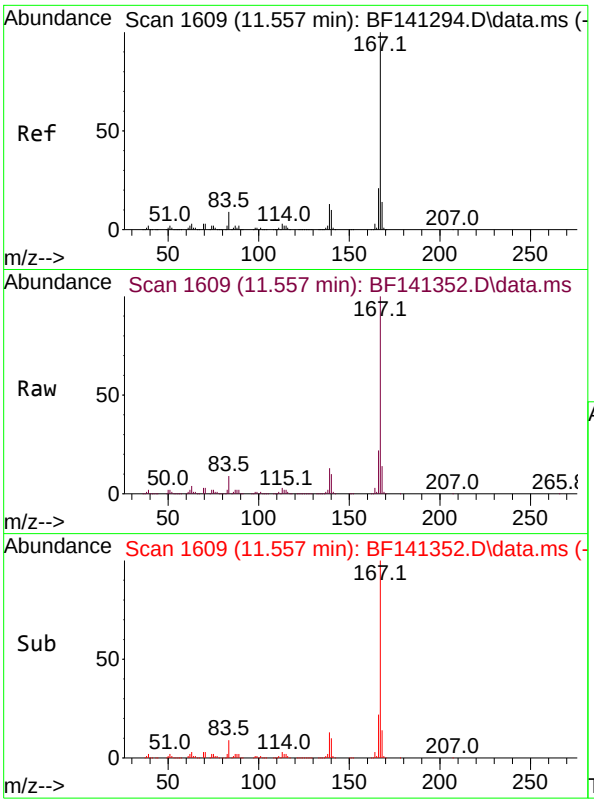


#72
Anthracene
Concen: 45.015 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:178 Resp: 1134234

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.5	12.3	18.5





#73
Carbazole
Concen: 40.751 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

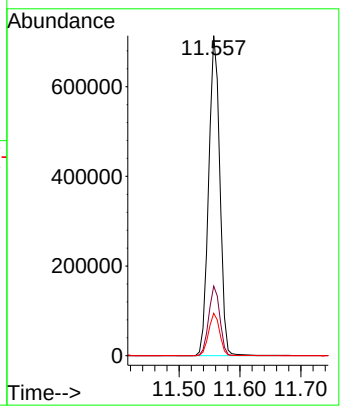
Tgt Ion:167 Resp: 91048

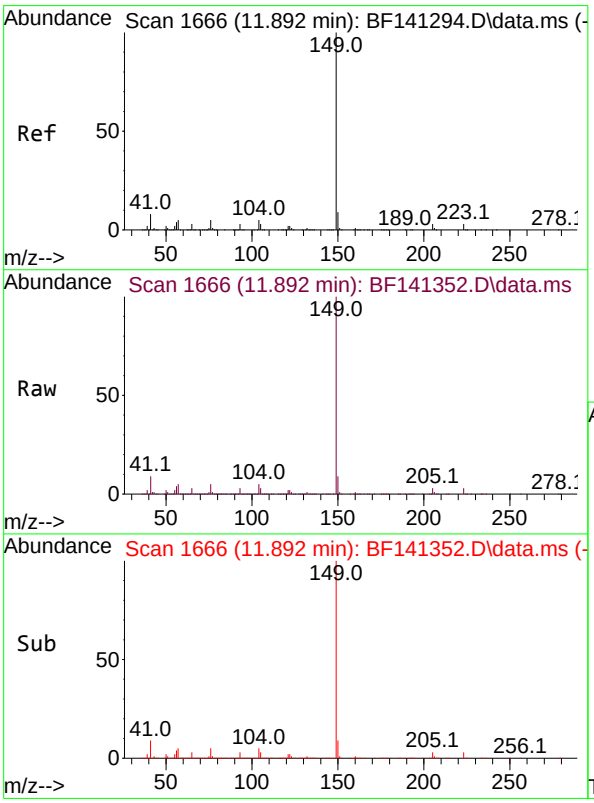
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

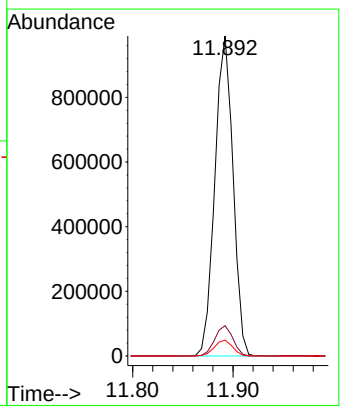


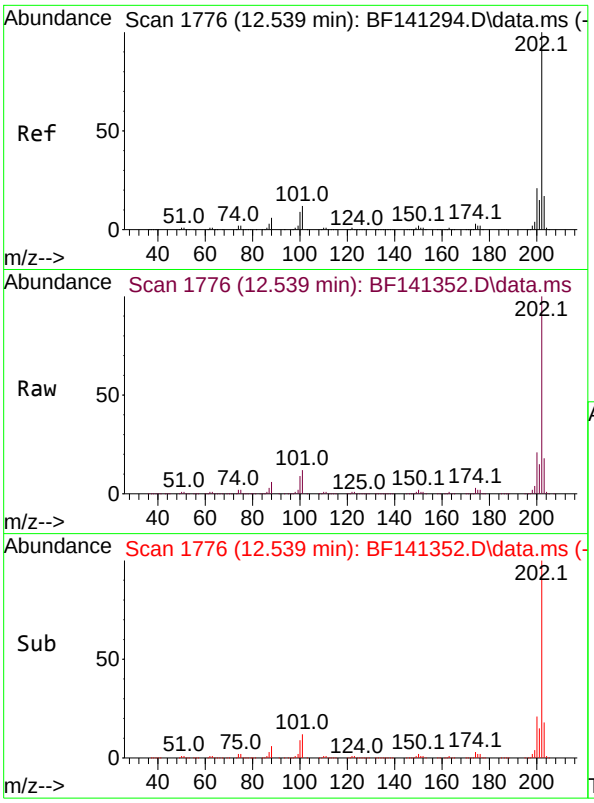


#74
Di-n-butylphthalate
Concen: 45.813 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:149 Resp: 1240476

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 39.170 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

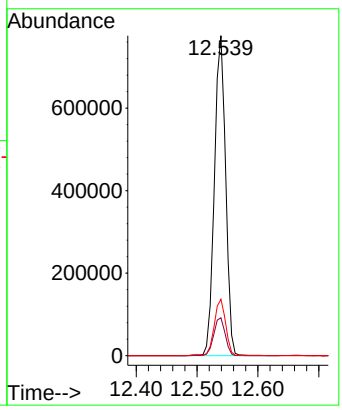
Tgt Ion:202 Resp: 99457

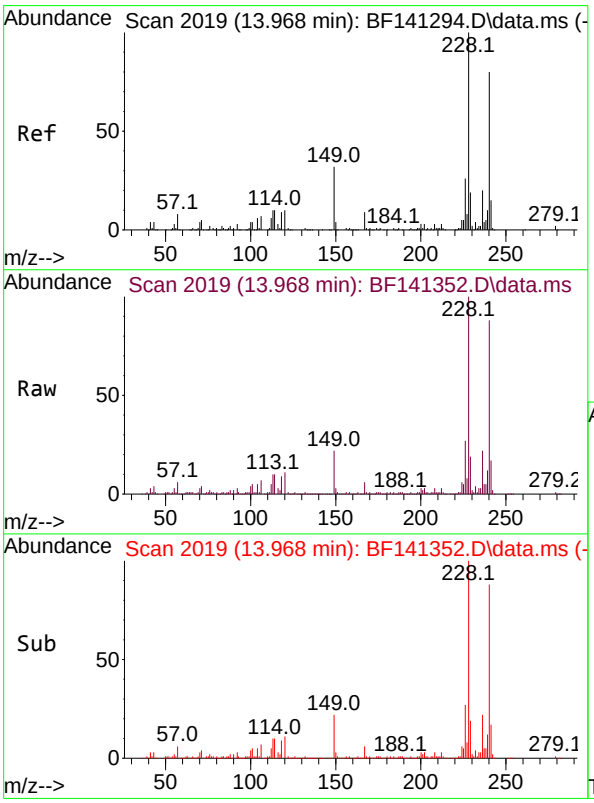
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.7	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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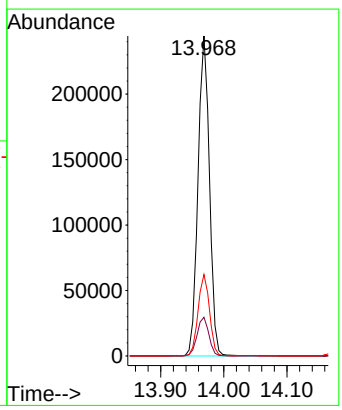


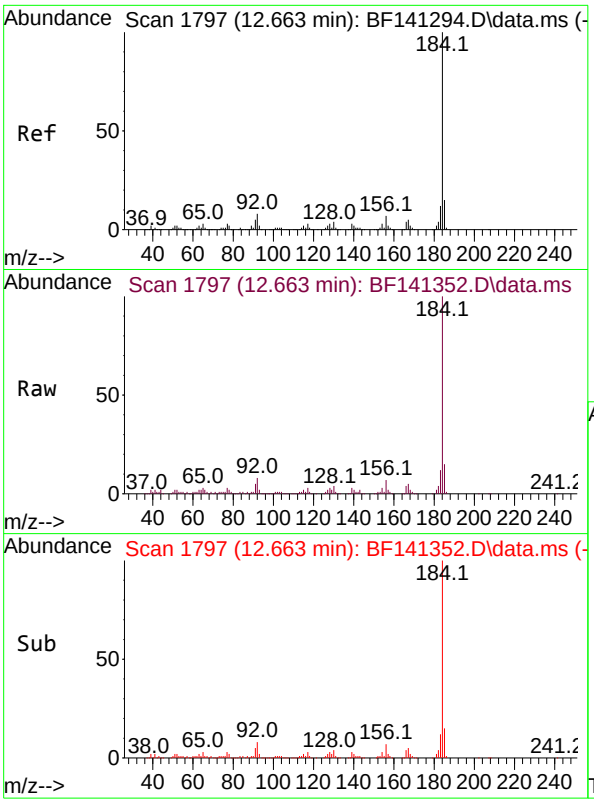


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:240 Resp: 306959

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.0	15.0
236	25.4	19.7	29.5





#77
Benzidine
Concen: 20.474 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

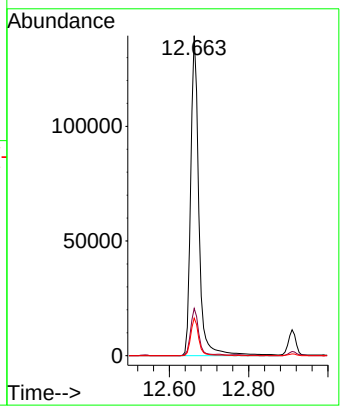
Tgt Ion:184 Resp: 20147

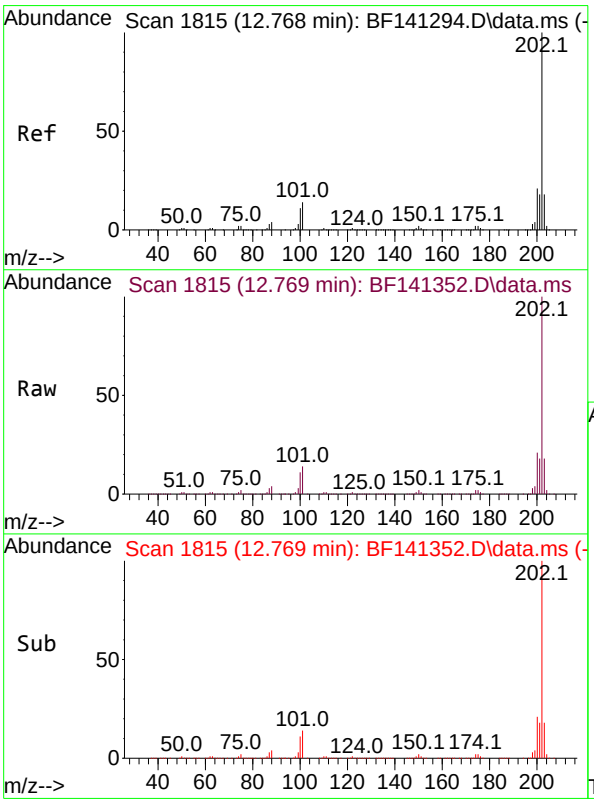
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.8	9.5	14.3

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

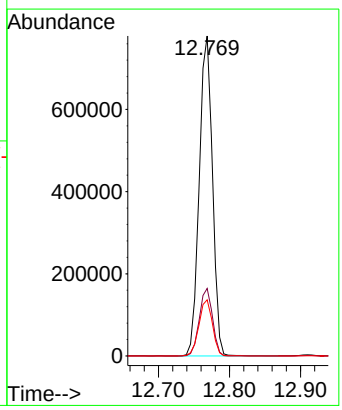


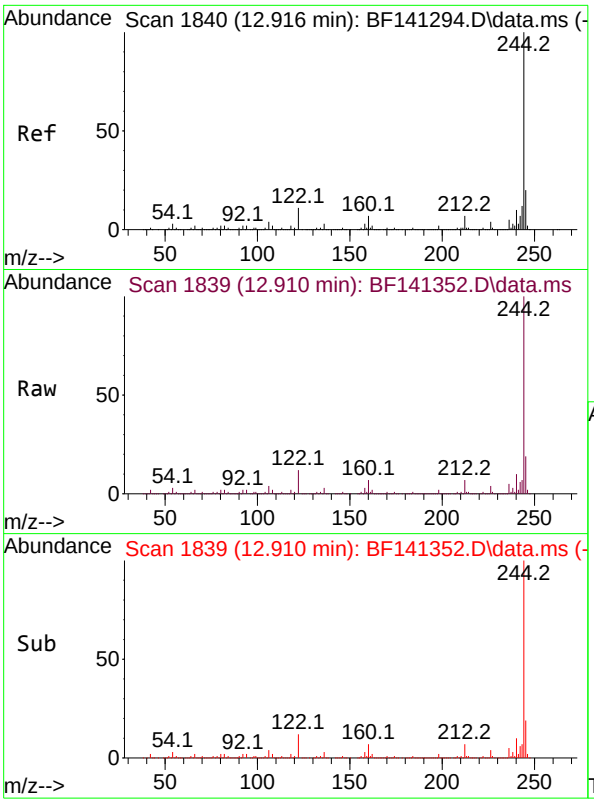


#78
Pyrene
Concen: 34.311 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:202 Resp: 1010968

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.6	14.3	21.5

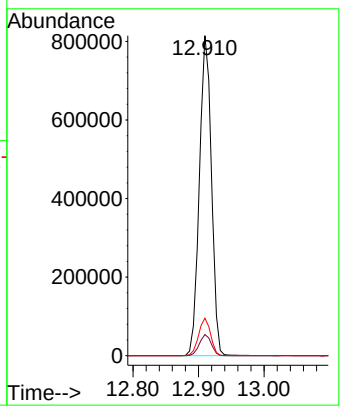




#79
Terphenyl-d14
Concen: 52.545 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:244 Resp: 104587

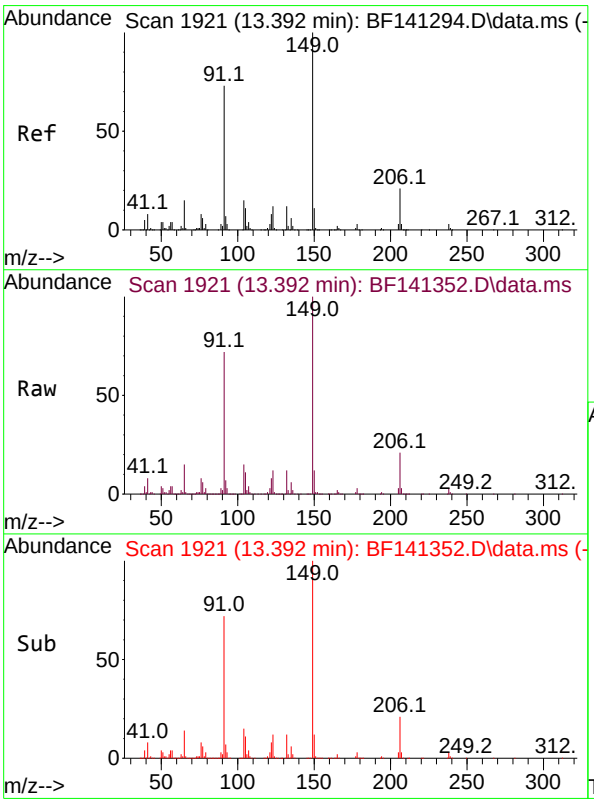
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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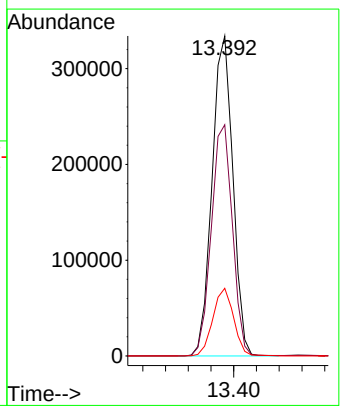
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

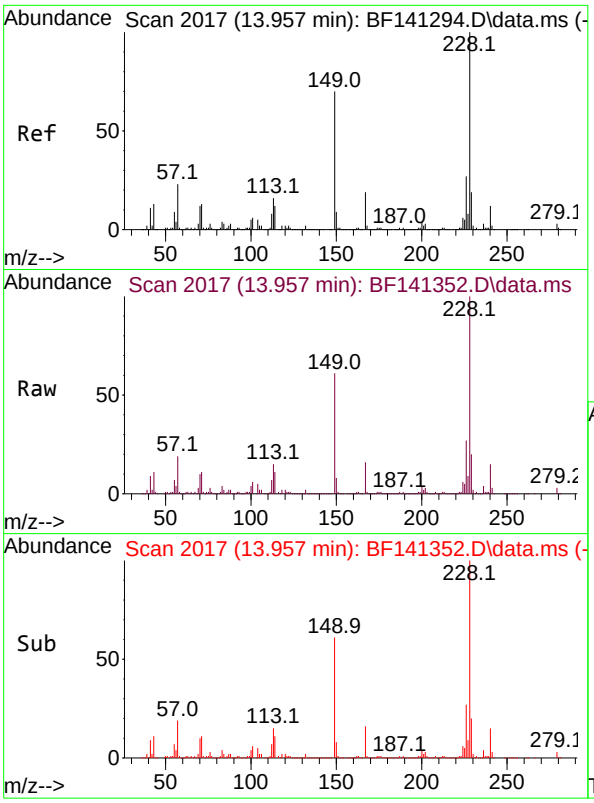


#80
Butylbenzylphthalate
Concen: 41.258 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:149 Resp: 424703

Ion	Ratio	Lower	Upper
149	100		
91	72.3	58.6	87.8
206	21.2	16.7	25.1





#81
Benzo(a)anthracene
Concen: 40.571 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

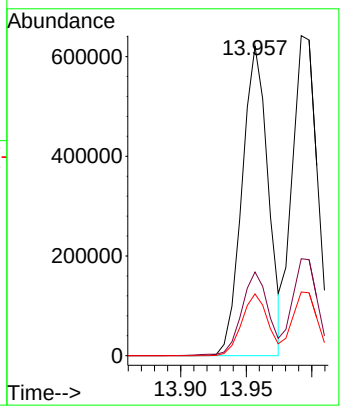
Tgt Ion:228 Resp: 85936

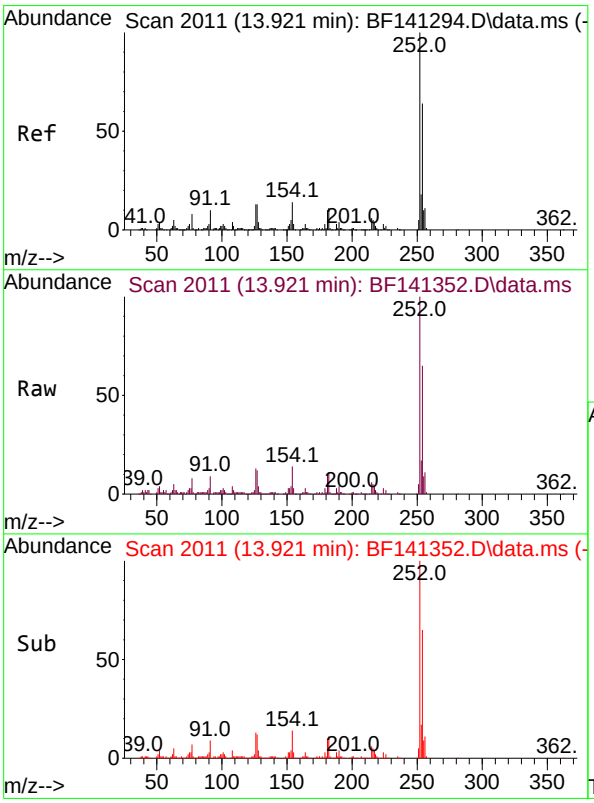
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.9	15.5	23.3

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

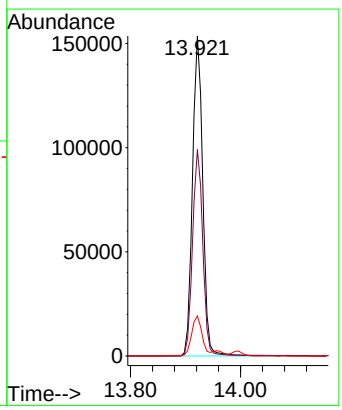


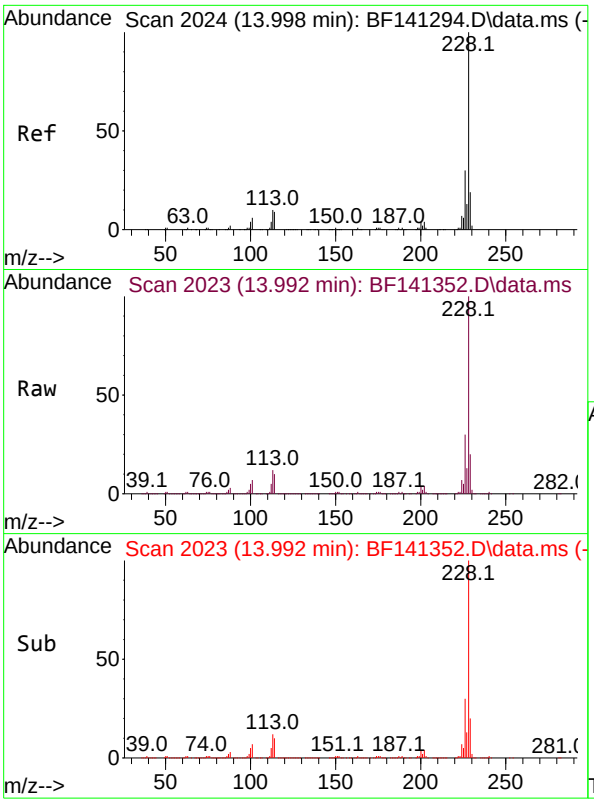


#82
3,3'-Dichlorobenzidine
Concen: 29.508 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:252 Resp: 198790

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.3	76.9
126	12.5	10.0	15.0

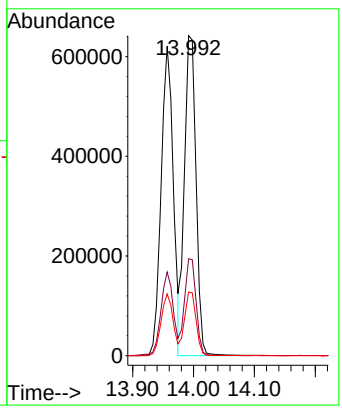




#83
Chrysene
Concen: 44.017 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:228 Resp: 85449

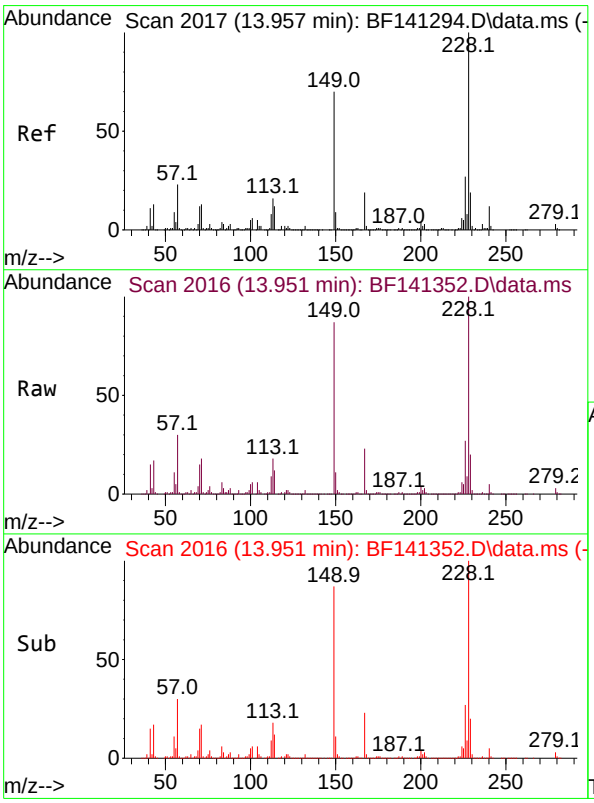
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.9	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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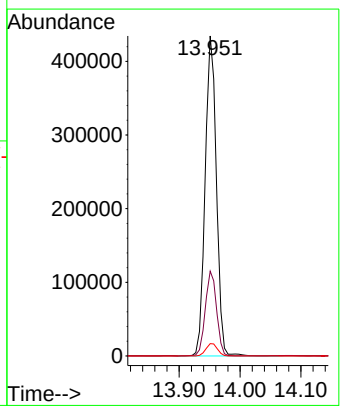
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

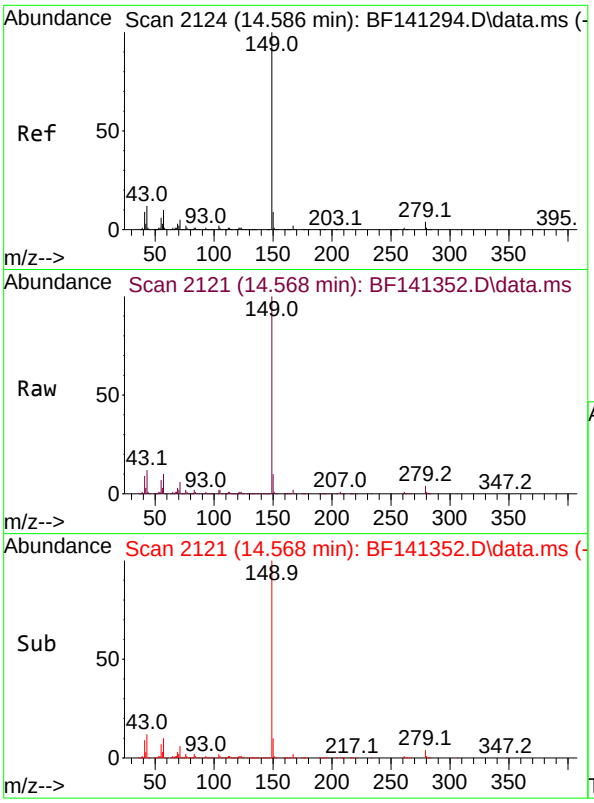


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.722 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:149 Resp: 557866

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 50.177 ng
RT: 14.568 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

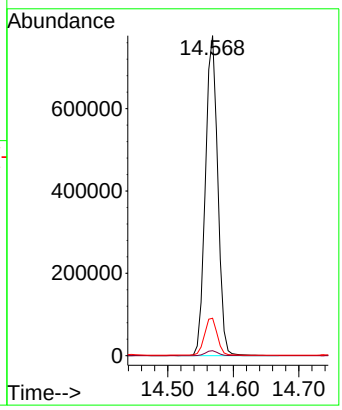
Tgt Ion:149 Resp: 101767

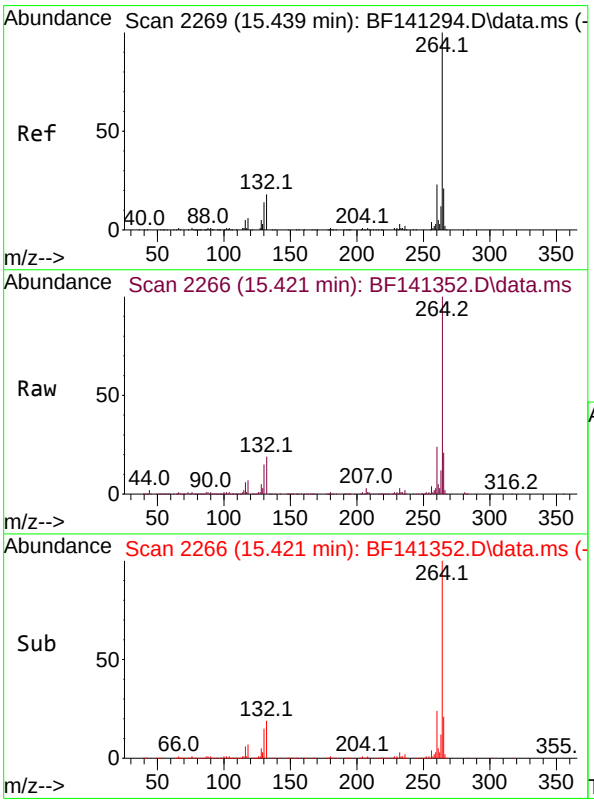
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.2	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

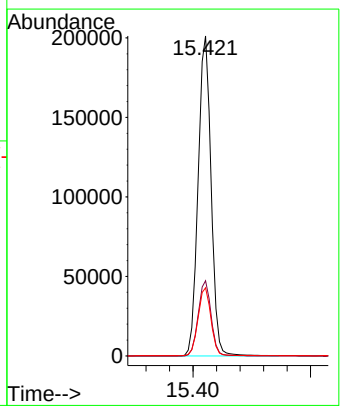


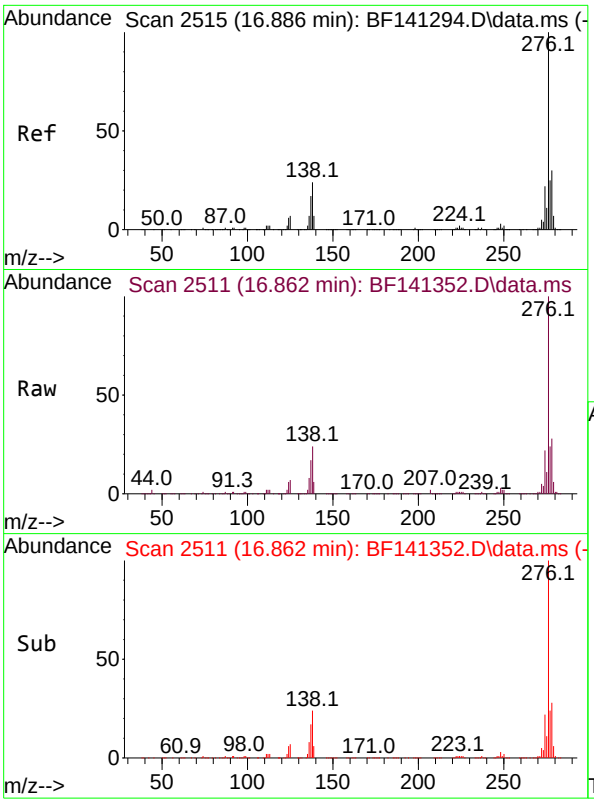


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:264 Resp: 307907

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.3	16.7	25.1

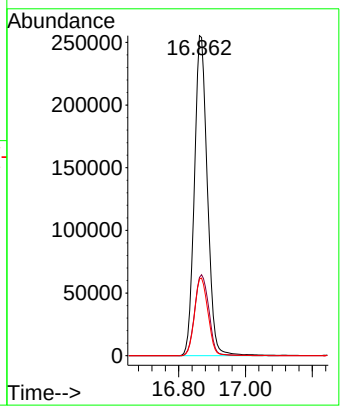




#87
Indeno(1,2,3-cd)pyrene
Concen: 34.650 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:276 Resp: 68861

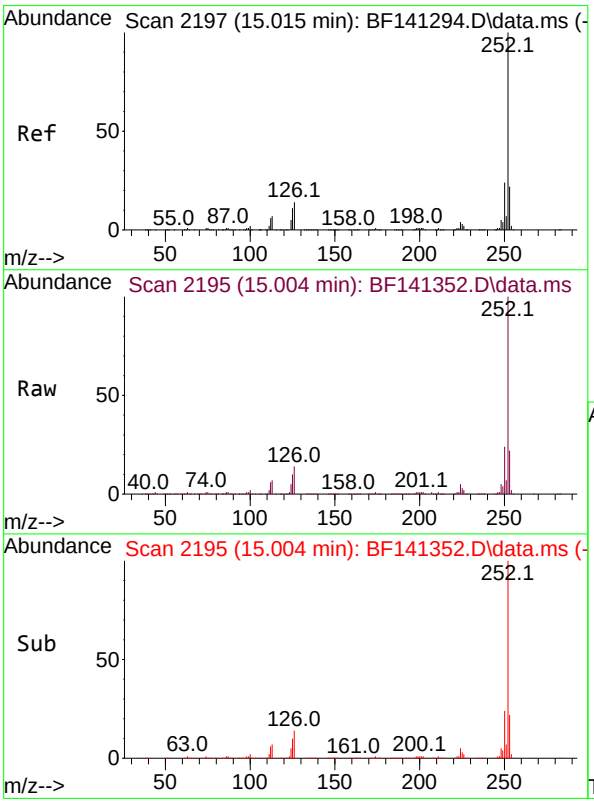
Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.7	32.5
277	25.2	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

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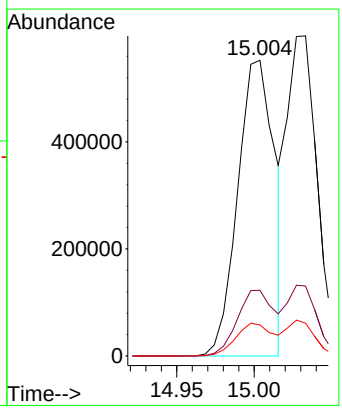
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

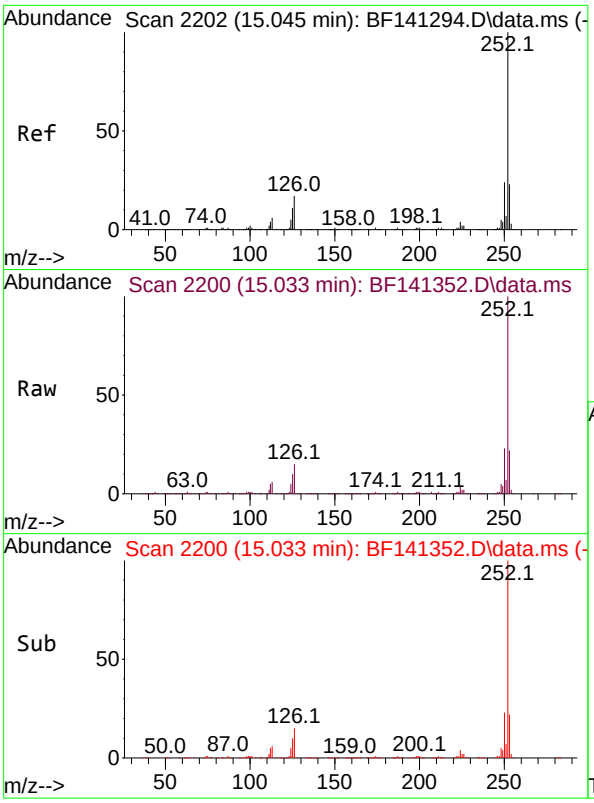


#88
Benzo(b)fluoranthene
Concen: 47.147 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:252 Resp: 913150

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	10.5	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 47.270 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

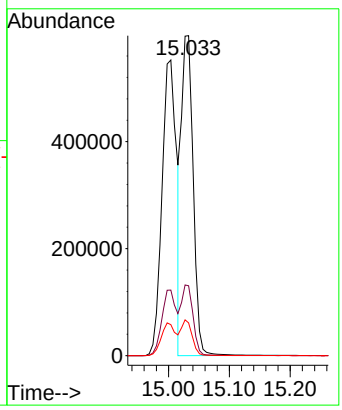
Tgt Ion:252 Resp: 81104

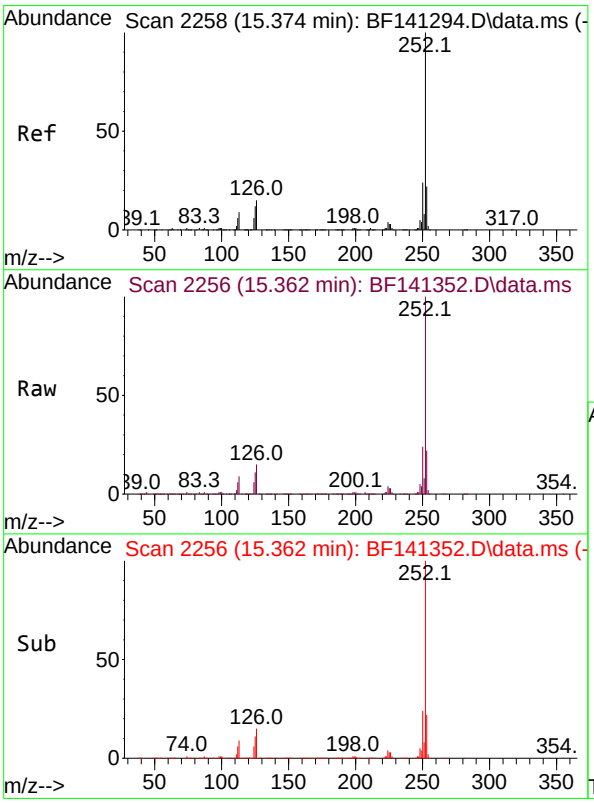
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.2	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

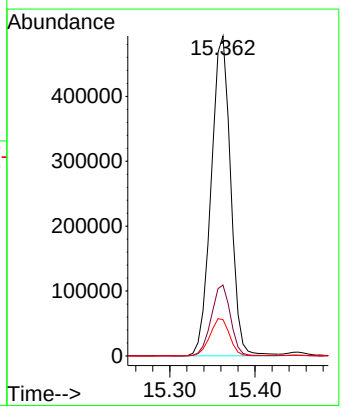


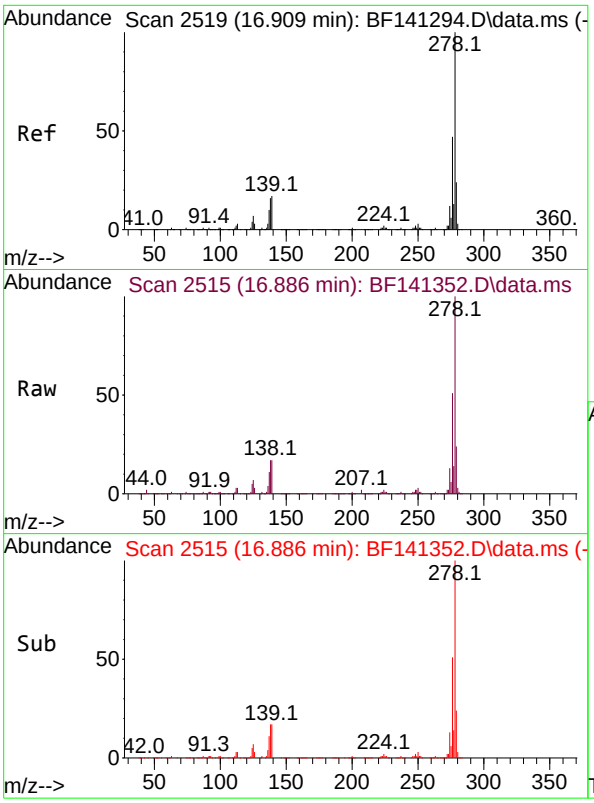


#90
Benzo(a)pyrene
Concen: 47.750 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:252 Resp: 781518

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.4	9.4	14.2

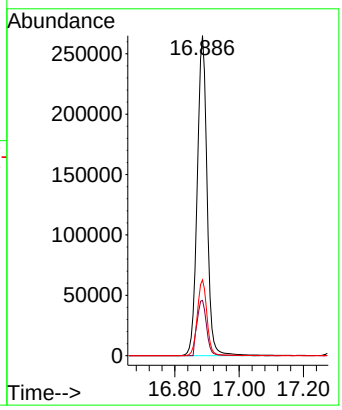




#91
Dibenzo(a,h)anthracene
Concen: 35.104 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:278 Resp: 56127

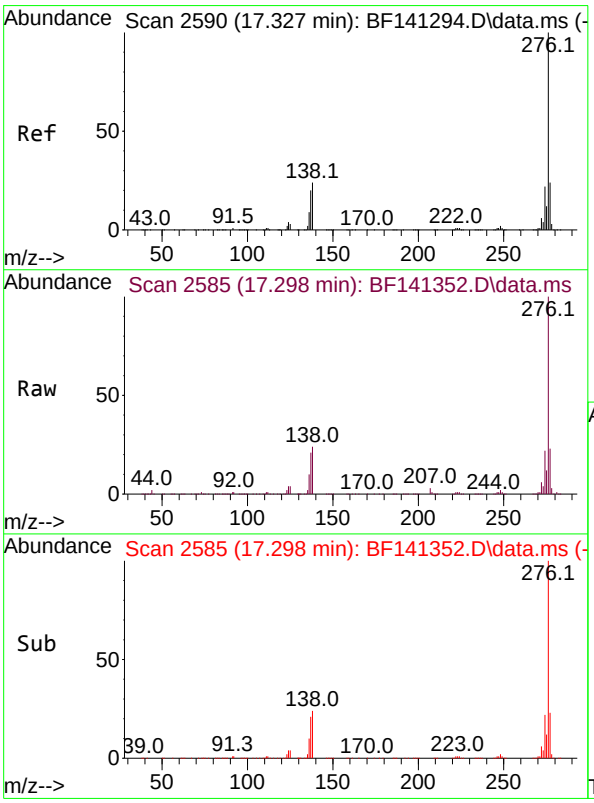
Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations
APPROVED

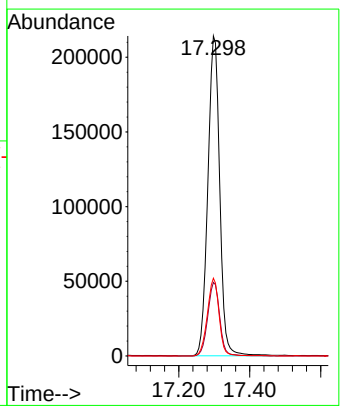
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 29.910 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141352.D
Acq: 01 Feb 2025 00:30

Tgt Ion:276 Resp: 497253

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	24.3	19.0	28.4



Raw Data: **BF141353.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2000		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2100		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2000		130	260	ug/Kg
106-47-8	4-Chloroaniline	600		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2100		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2100		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2000		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2200		130	260	ug/Kg

Raw Data: **BF141353.D**

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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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2200		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2300		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	4800	E	370	510	ug/Kg
100-02-7	4-Nitrophenol	3600		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2700		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2400		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2300		140	260	ug/Kg
87-86-5	Pentachlorophenol	4100		120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2000		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2300		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1700		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2000		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2000		120	260	ug/Kg
218-01-9	Chrysene	2200		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		130	260	ug/Kg

Raw Data: **BF141353.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2600		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2400		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.8		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	89.2		30 (15) - 130 (107)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.3		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		30 (20) - 130 (109)	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.9		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	49.9		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	305000	9.839			
1517-22-2	Phenanthrene-d10	447000	11.327			
1719-03-5	Chrysene-d12	290000	13.968			
1520-96-3	Perylene-d12	292000	15.415			

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: **BF141353.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	149676	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	589897	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	304724	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	446574	20.000	ng		0.00
76) Chrysene-d12	13.968	240	289652	20.000	ng		0.00
86) Perylene-d12	15.415	264	291978	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	904843	92.808	ng		0.01
7) Phenol-d6	6.445	99	1106069	89.179	ng		0.00
23) Nitrobenzene-d5	7.363	82	719805	64.326	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	248253	88.864	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1206163	60.924	ng		0.00
79) Terphenyl-d14	12.910	244	937270	49.903	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	156245	36.439	ng		99
3) Pyridine	3.287	79	402004	38.912	ng		99
4) n-Nitrosodimethylamine	3.240	42	247827	41.992	ng		96
6) Aniline	6.463	93	360976	34.383	ng	#	32
8) 2-Chlorophenol	6.592	128	444161	42.504	ng		96
9) Benzaldehyde	6.345	77	45965	6.398	ng		99
10) Phenol	6.457	94	539453	41.031	ng		76
11) bis(2-Chloroethyl)ether	6.534	93	427879	42.445	ng		99
12) 1,3-Dichlorobenzene	6.739	146	454158	39.416	ng		99
13) 1,4-Dichlorobenzene	6.816	146	459392	39.688	ng		100
14) 1,2-Dichlorobenzene	6.969	146	436553	40.277	ng		99
15) Benzyl Alcohol	6.945	79	372341	43.929	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	710017	40.504	ng		57
17) 2-Methylphenol	7.069	107	337228	39.707	ng	#	88
18) Hexachloroethane	7.310	117	170674	39.969	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	306652	41.610	ng		97
20) 3+4-Methylphenols	7.222	107	440708	42.262	ng	#	75
22) Acetophenone	7.210	105	585685	41.770	ng	#	95
24) Nitrobenzene	7.381	77	463958	40.009	ng		100
25) Isophorone	7.622	82	813421	42.053	ng		99
26) 2-Nitrophenol	7.698	139	232740	42.556	ng		100
27) 2,4-Dimethylphenol	7.745	122	346152m	49.727	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	514821	41.726	ng		99
29) 2,4-Dichlorophenol	7.951	162	357247	41.921	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	371686	38.191	ng		99
31) Naphthalene	8.104	128	1241727	39.847	ng		100
32) Benzoic acid	7.869	122	263841	41.230	ng		99
33) 4-Chloroaniline	8.151	127	123735	11.709	ng		98
34) Hexachlorobutadiene	8.222	225	223107	39.091	ng		99
35) Caprolactam	8.522	113	116283	41.781	ng		97
36) 4-Chloro-3-methylphenol	8.651	107	375991	41.132	ng		98
37) 2-Methylnaphthalene	8.792	142	797516	40.265	ng		99
38) 1-Methylnaphthalene	8.892	142	745385	38.311	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	358360	41.338	ng		98
41) Hexachlorocyclopentadiene	8.945	237	330649	129.149	ng		99
43) 2,4,6-Trichlorophenol	9.075	196	241755	42.606	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	253156	40.992	ng	99
46) 1,1'-Biphenyl	9.263	154	982186	41.329	ng	100
47) 2-Chloronaphthalene	9.286	162	729439	39.379	ng	99
48) 2-Nitroaniline	9.380	65	249777	42.870	ng	97
49) Acenaphthylene	9.698	152	1110295	42.820	ng	99
50) Dimethylphthalate	9.563	163	889602	43.224	ng	99
51) 2,6-Dinitrotoluene	9.628	165	193485	40.489	ng	96
52) Acenaphthene	9.875	154	835010	45.077	ng	99
53) 3-Nitroaniline	9.792	138	129295	27.606	ng	100
54) 2,4-Dinitrophenol	9.904	184	209369	94.252	ng	99
55) Dibenzofuran	10.045	168	996364	40.184	ng	99
56) 4-Nitrophenol	9.975	139	241925	70.629	ng	97
57) 2,4-Dinitrotoluene	10.028	165	250886	40.550	ng	99
58) Fluorene	10.386	166	754067	39.206	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	207765	42.763	ng	100
60) Diethylphthalate	10.263	149	853771	42.784	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	372656	39.666	ng	99
62) 4-Nitroaniline	10.410	138	169626	36.838	ng	99
63) Azobenzene	10.539	77	861766	43.142	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	138958	52.606	ng	97
66) n-Nitrosodiphenylamine	10.498	169	682753	47.270	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	231795	46.363	ng	98
68) Hexachlorobenzene	10.933	284	234812	44.277	ng	99
69) Atrazine	11.027	200	217252	44.986	ng	99
70) Pentachlorophenol	11.133	266	247008	79.539	ng	100
71) Phenanthrene	11.351	178	1024548	42.680	ng	100
72) Anthracene	11.404	178	1046790	44.505	ng	99
73) Carbazole	11.557	167	823751	39.496	ng	99
74) Di-n-butylphthalate	11.892	149	1147366	45.394	ng	100
75) Fluoranthene	12.539	202	900749	38.002	ng	100
77) Benzidine	12.663	184	210212	22.638	ng	99
78) Pyrene	12.769	202	916947	32.979	ng	99
80) Butylbenzylphthalate	13.392	149	384203	39.554	ng	98
81) Benzo(a)anthracene	13.957	228	792710	39.660	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198260	31.187	ng	99
83) Chrysene	13.992	228	786189	42.919	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	510215	41.407	ng	99
85) Di-n-octyl phthalate	14.568	149	922363	48.195	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	647446	34.356	ng	99
88) Benzo(b)fluoranthene	14.998	252	782728	42.618	ng	99
89) Benzo(k)fluoranthene	15.027	252	810825m	49.835	ng	
90) Benzo(a)pyrene	15.357	252	732096	47.170	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	524247	34.578	ng	99
92) Benzo(g,h,i)perylene	17.298	276	466835	29.613	ng	99

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

Sample Results: **BF141353.D**

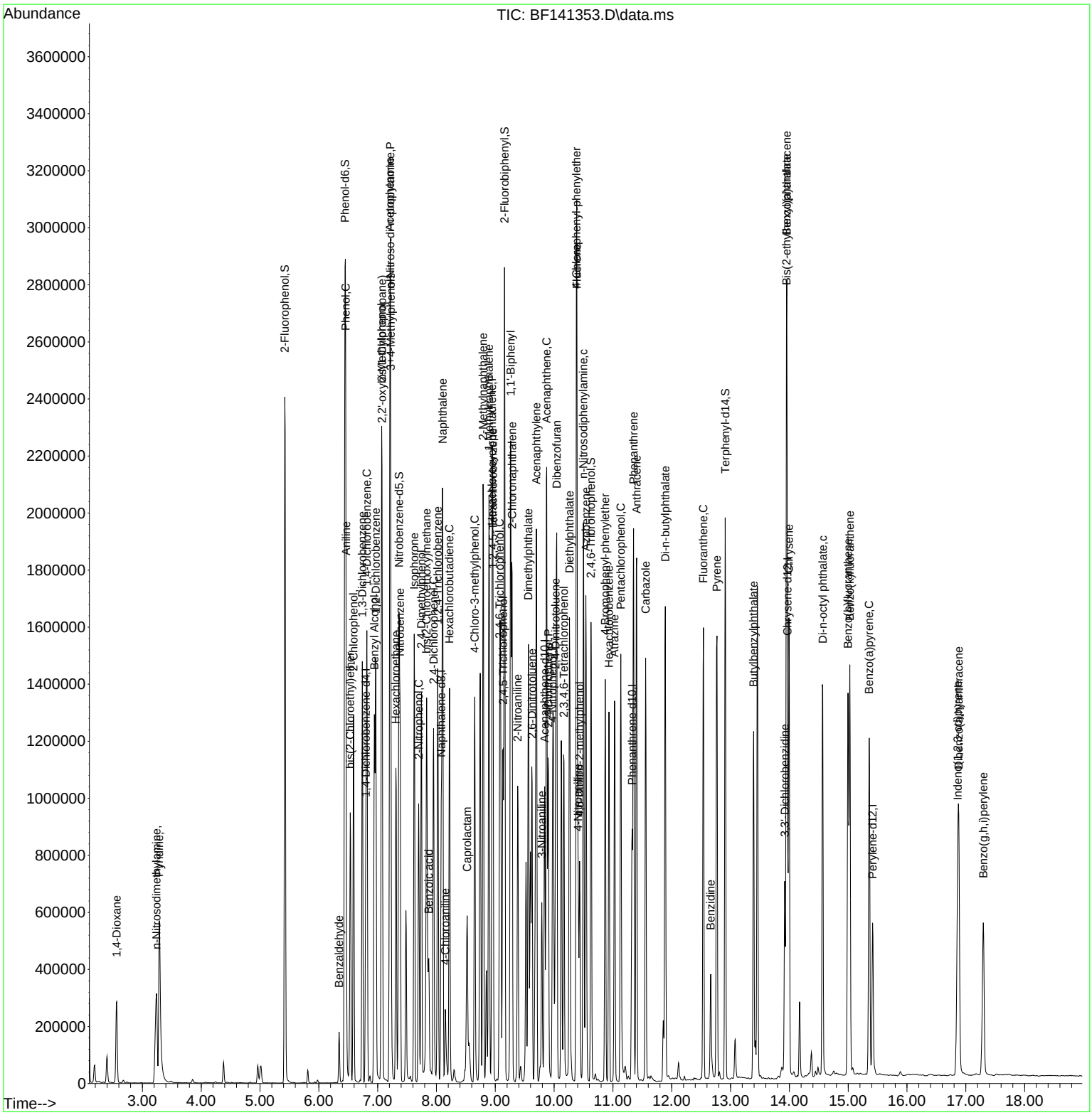
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

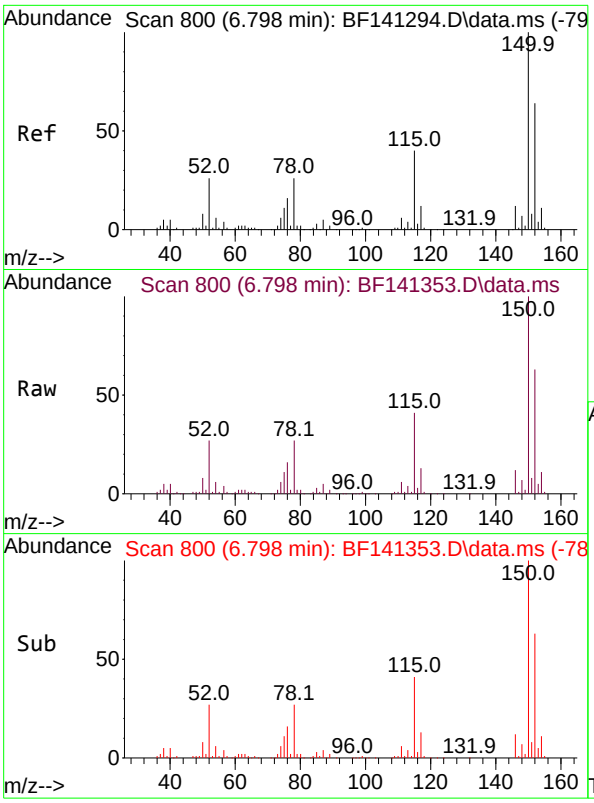
Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

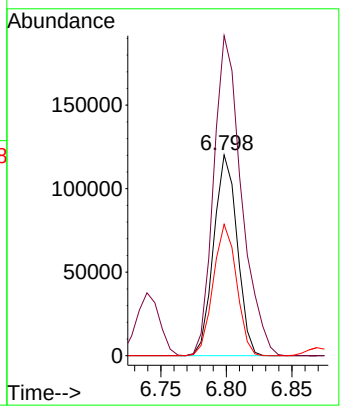




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:152 Resp: 14967(

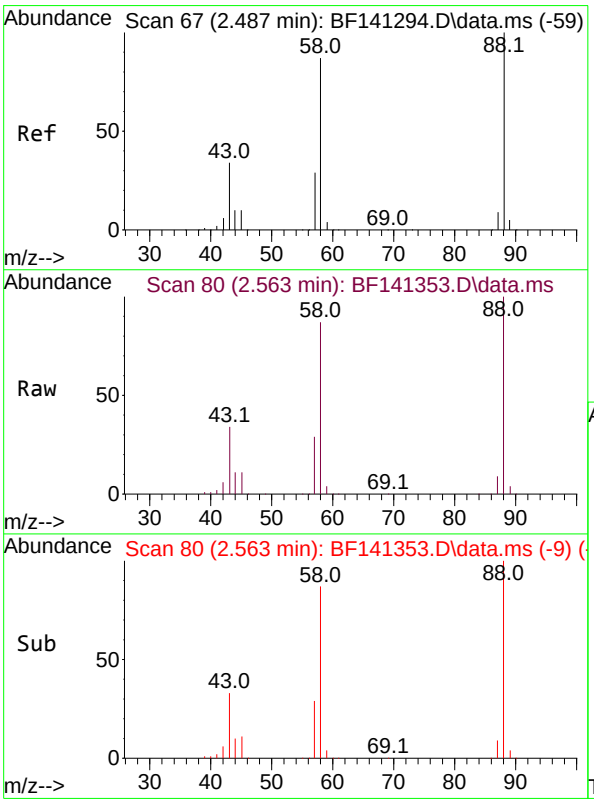
Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.9	188.9
115	65.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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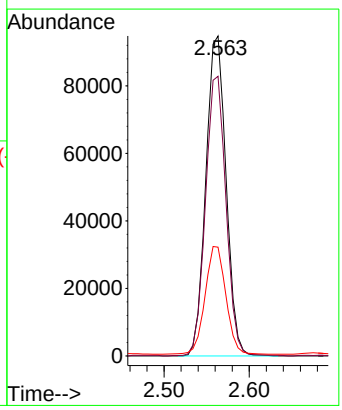
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

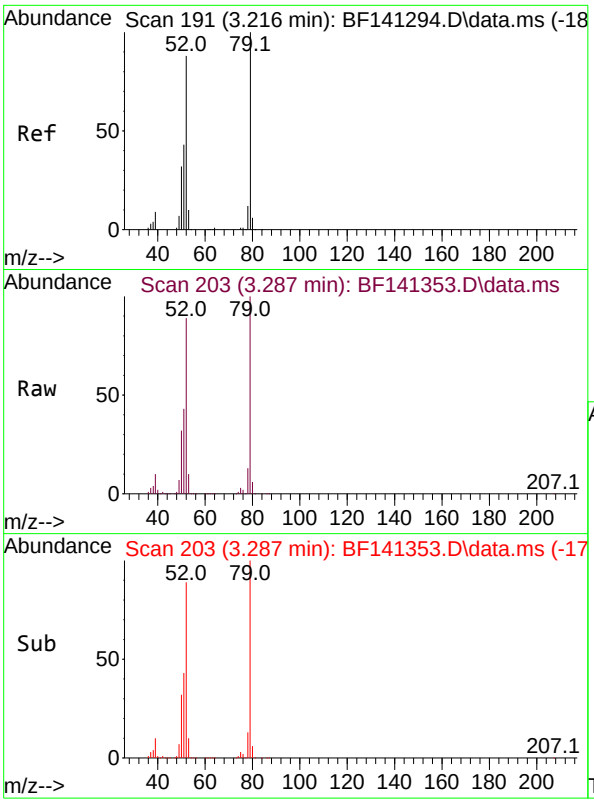


#2
1,4-Dioxane
Concen: 36.439 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.070 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 88 Resp: 156245

Ion	Ratio	Lower	Upper
88	100		
58	88.8	70.2	105.4
43	34.8	27.6	41.4





#3
Pyridine
Concen: 38.912 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.059 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

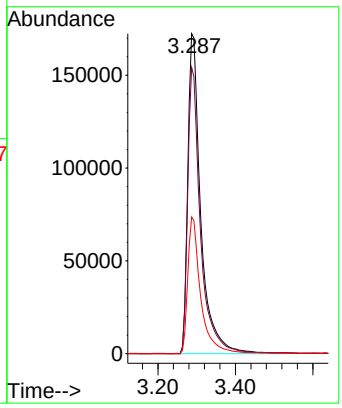
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

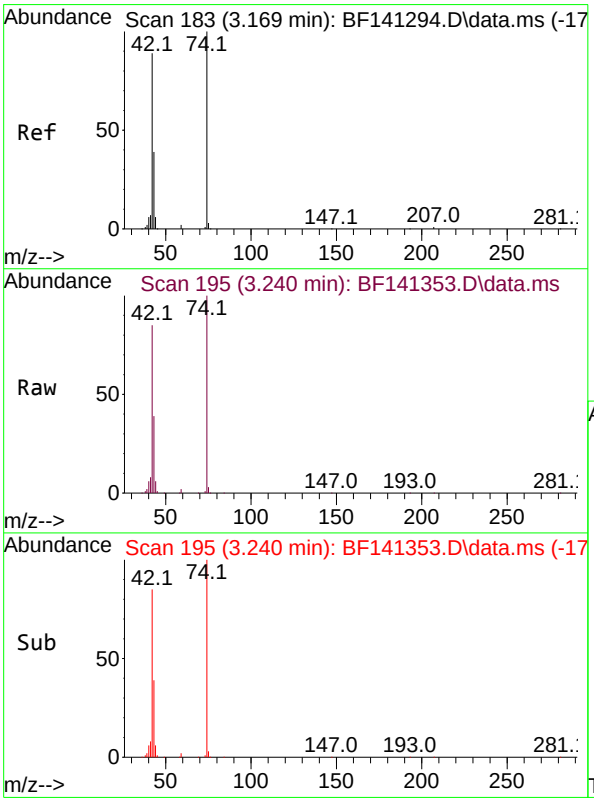
Tgt Ion: 79 Resp: 40200

Ion	Ratio	Lower	Upper
79	100		
52	89.4	70.3	105.5
51	42.7	34.3	51.5

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

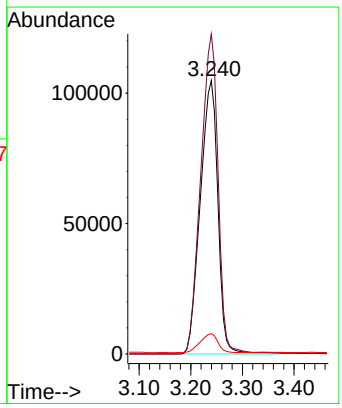


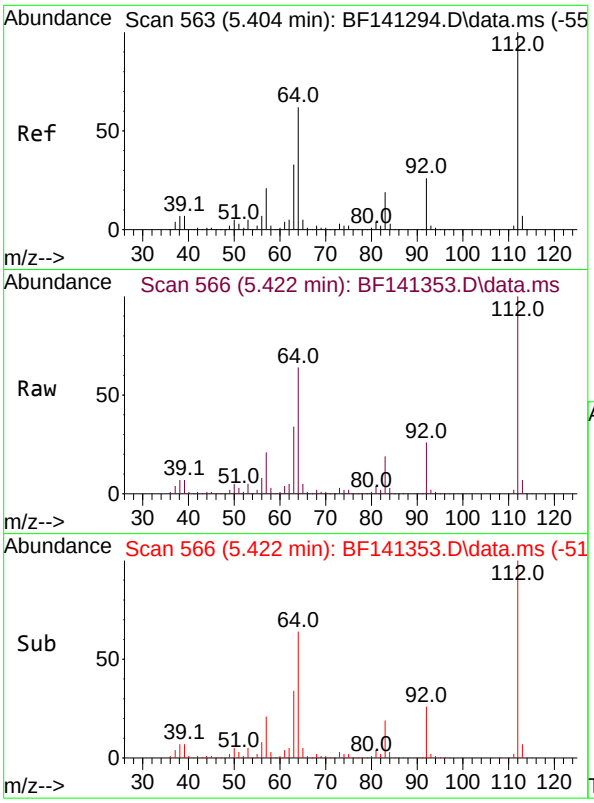


#4
n-Nitrosodimethylamine
Concen: 41.992 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.041 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 42 Resp: 247827

Ion	Ratio	Lower	Upper
42	100		
74	117.0	90.3	135.5
44	7.5	5.7	8.5

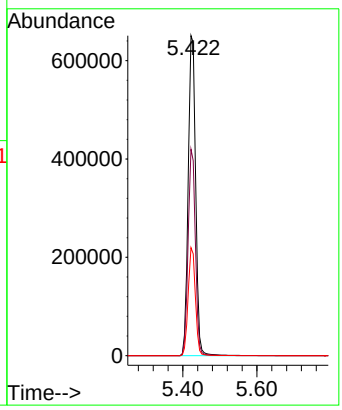




#5
2-Fluorophenol
Concen: 92.808 ng
RT: 5.422 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:112 Resp: 90484

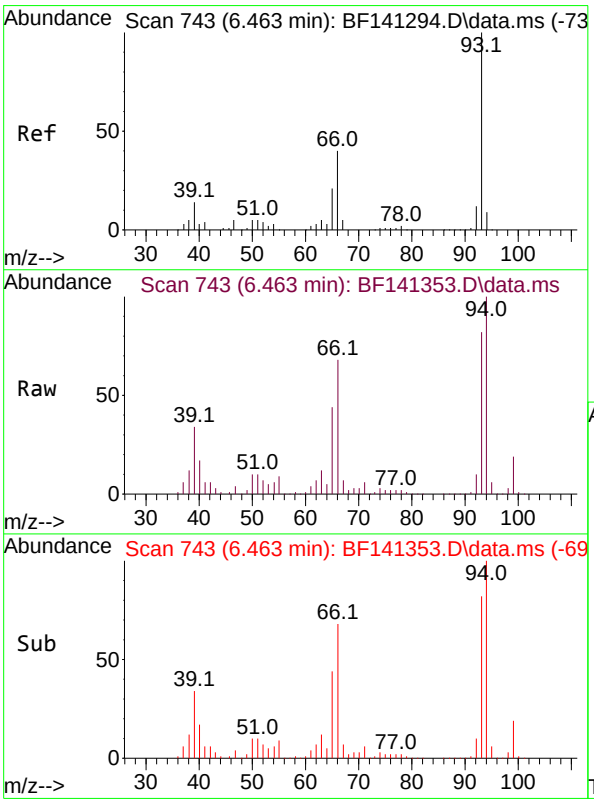
Ion	Ratio	Lower	Upper
112	100		
64	64.5	49.8	74.8
63	33.7	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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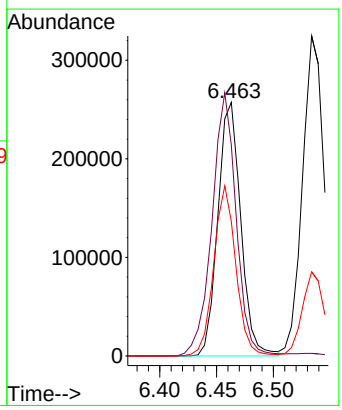
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

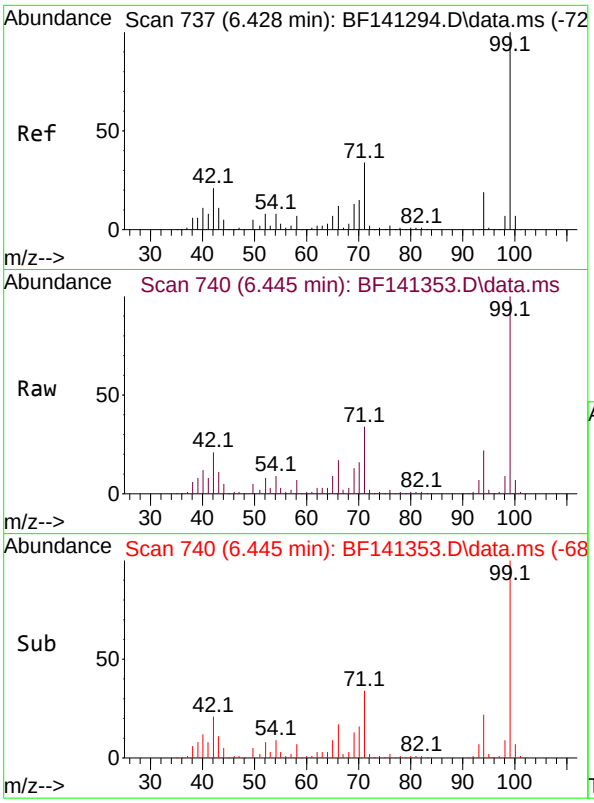


#6
Aniline
Concen: 34.383 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 93 Resp: 360976

Ion	Ratio	Lower	Upper
93	100		
66	83.2	32.5	48.7#
65	53.1	17.0	25.6#

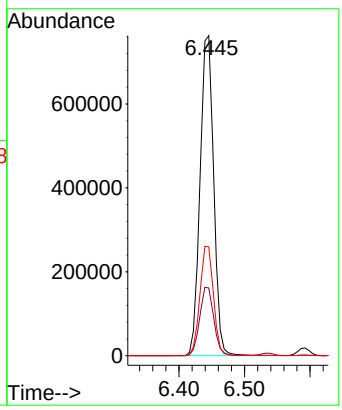




#7
Phenol-d6
Concen: 89.179 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 99 Resp: 110606

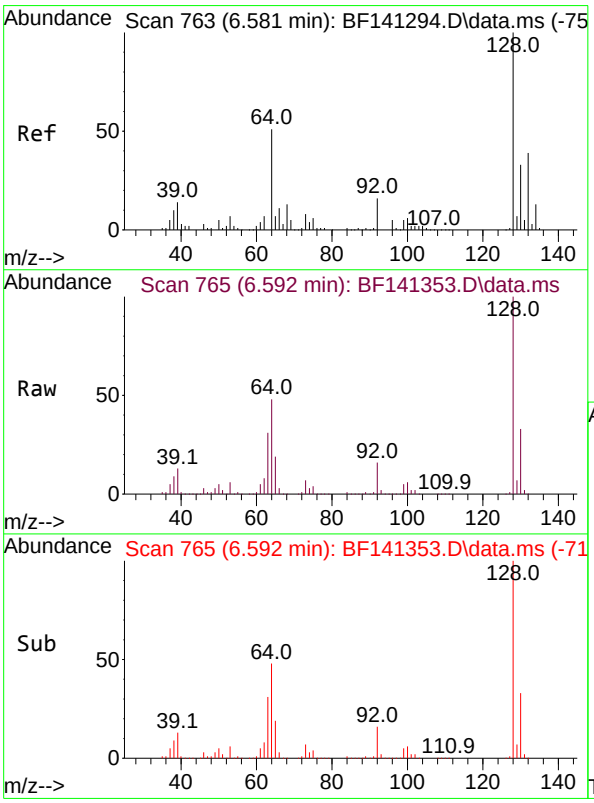
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.1	25.7
71	34.0	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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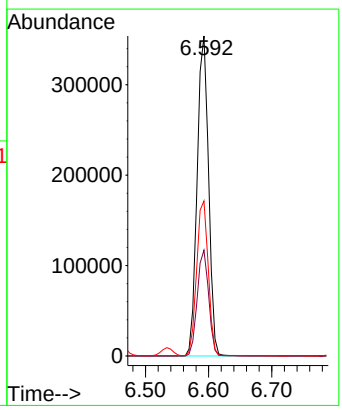
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

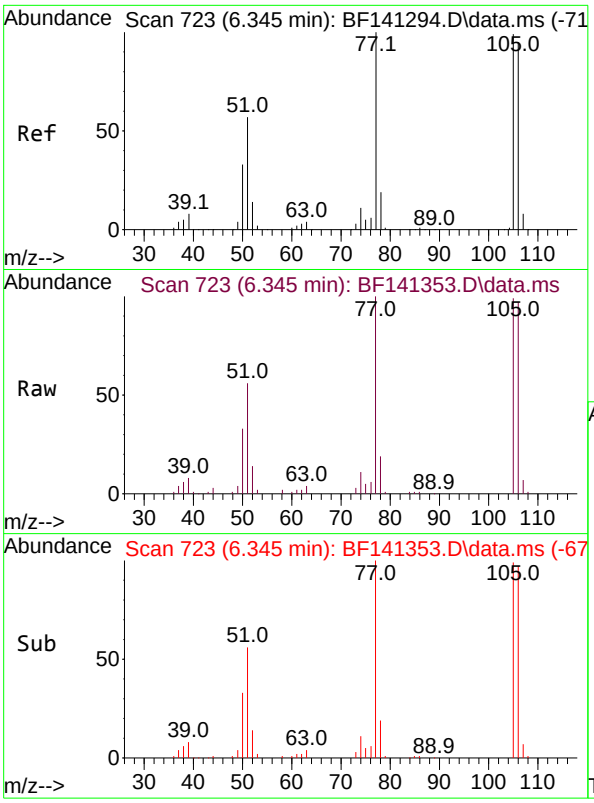


#8
2-Chlorophenol
Concen: 42.504 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:128 Resp: 444161

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.5	52.5
64	48.4	32.9	72.9





#9
Benzaldehyde
Concen: 6.398 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

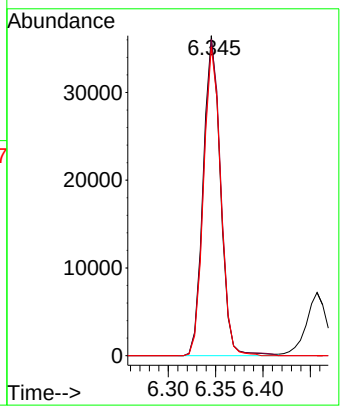
Tgt Ion: 77 Resp: 4596

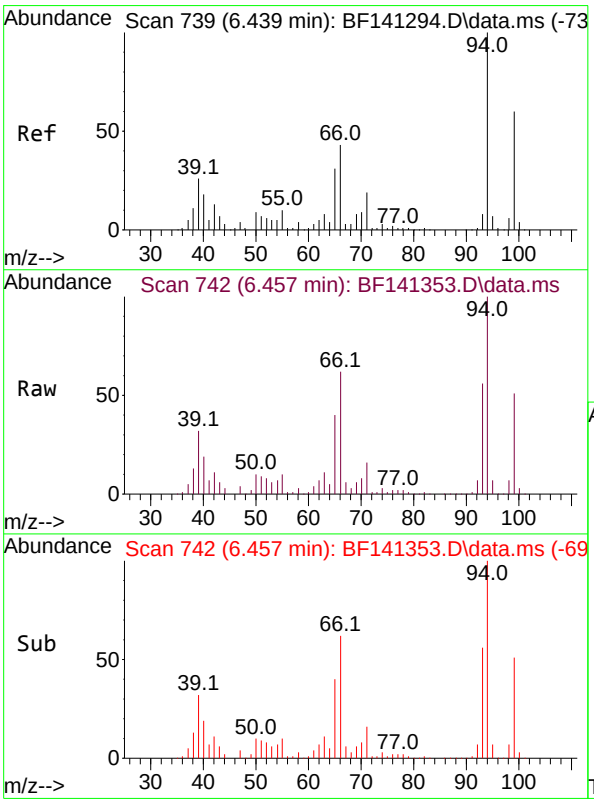
Ion	Ratio	Lower	Upper
77	100		
105	98.8	79.4	119.4
106	96.5	74.6	114.6

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

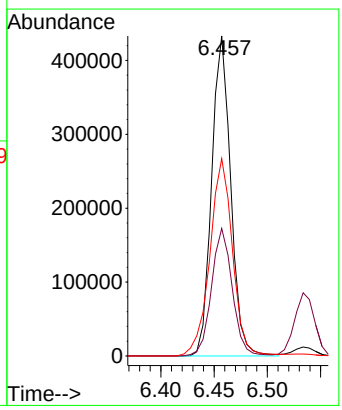


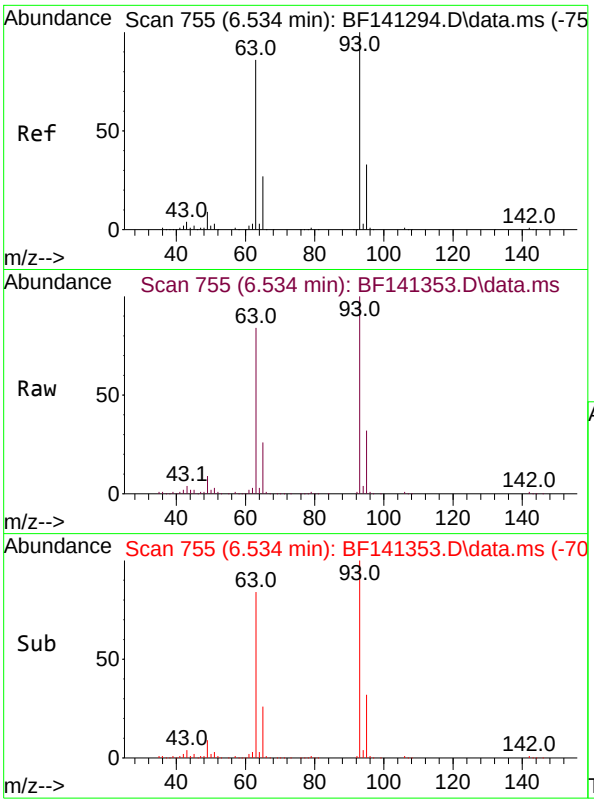


#10
Phenol
Concen: 41.031 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 94 Resp: 539453

Ion	Ratio	Lower	Upper
94	100		
65	39.9	10.8	50.8
66	61.7	23.3	63.3





#11
bis(2-Chloroethyl)ether
Concen: 42.445 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

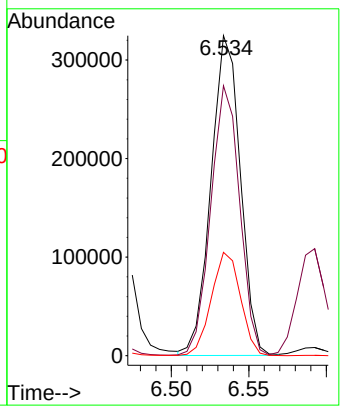
Tgt Ion: 93 Resp: 42787

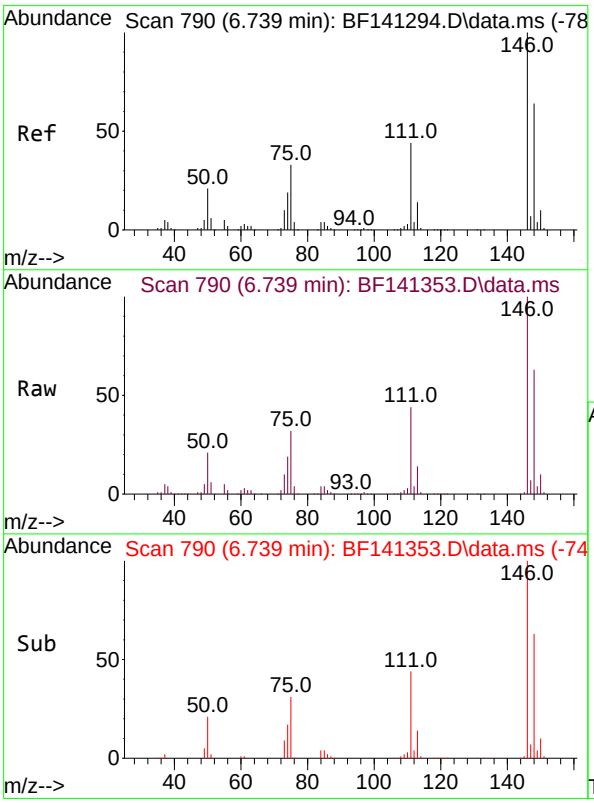
Ion	Ratio	Lower	Upper
93	100		
63	84.4	65.0	105.0
95	32.3	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

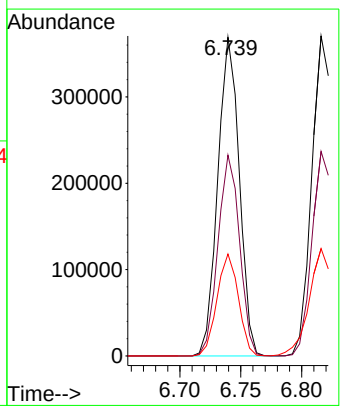


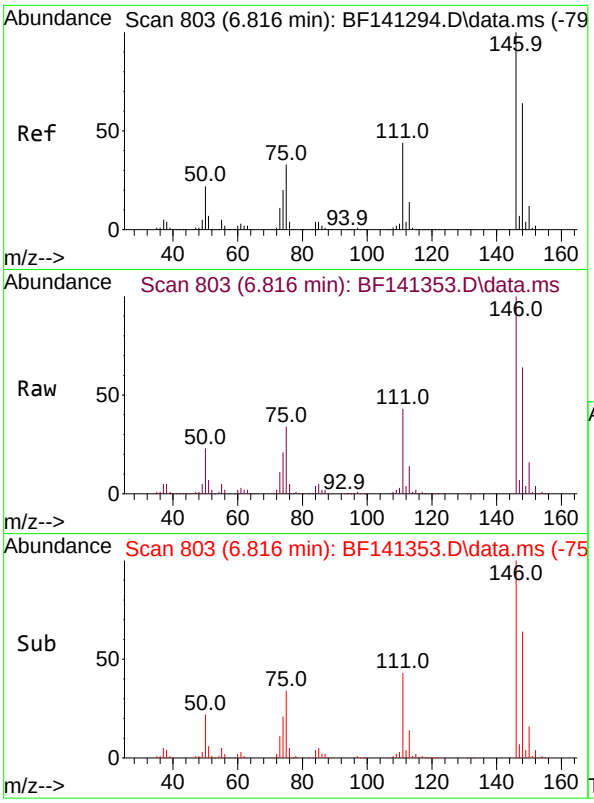


#12
1,3-Dichlorobenzene
Concen: 39.416 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:146 Resp: 454158

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.2	76.8
75	32.0	26.2	39.4





#13
1,4-Dichlorobenzene
Concen: 39.688 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

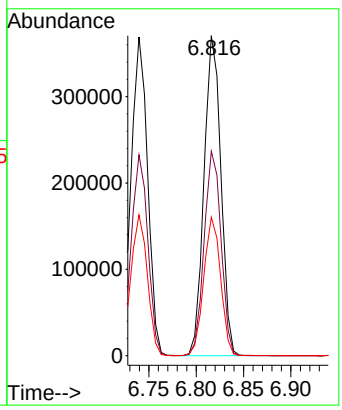
Tgt Ion:146 Resp: 45939

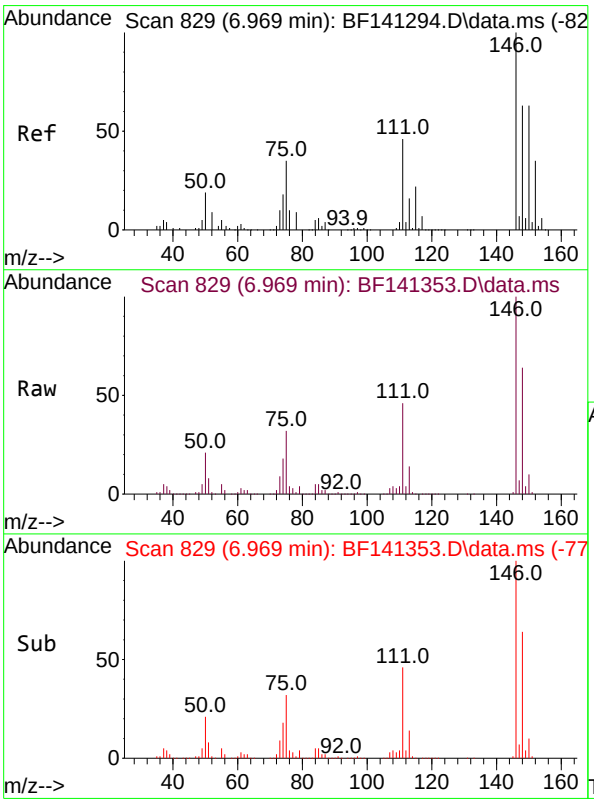
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	43.3	35.0	52.4

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

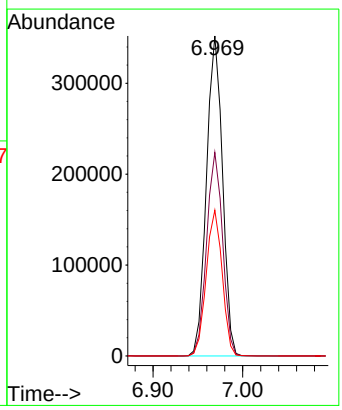


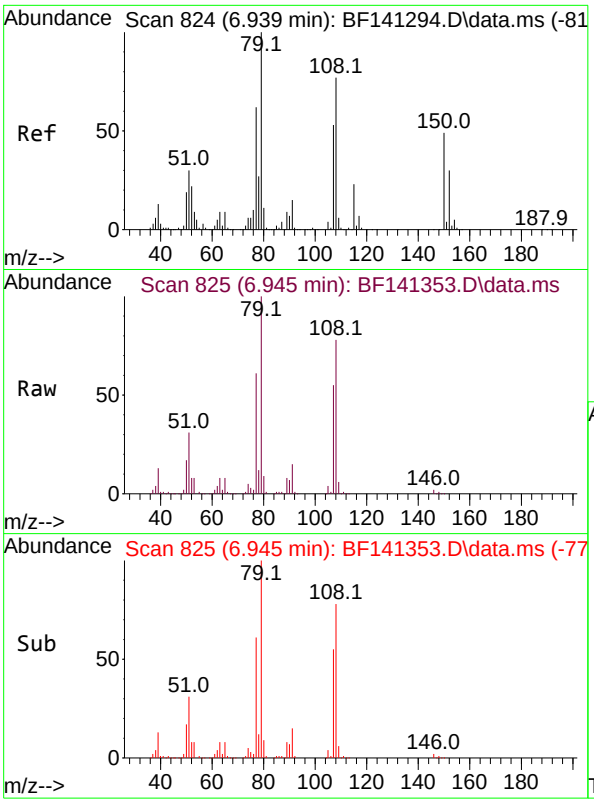


#14
1,2-Dichlorobenzene
Concen: 40.277 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:146 Resp: 436553

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	45.6	36.6	55.0





#15
Benzyl Alcohol
Concen: 43.929 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

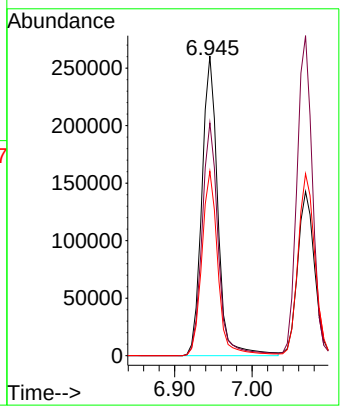
Tgt Ion: 79 Resp: 37234

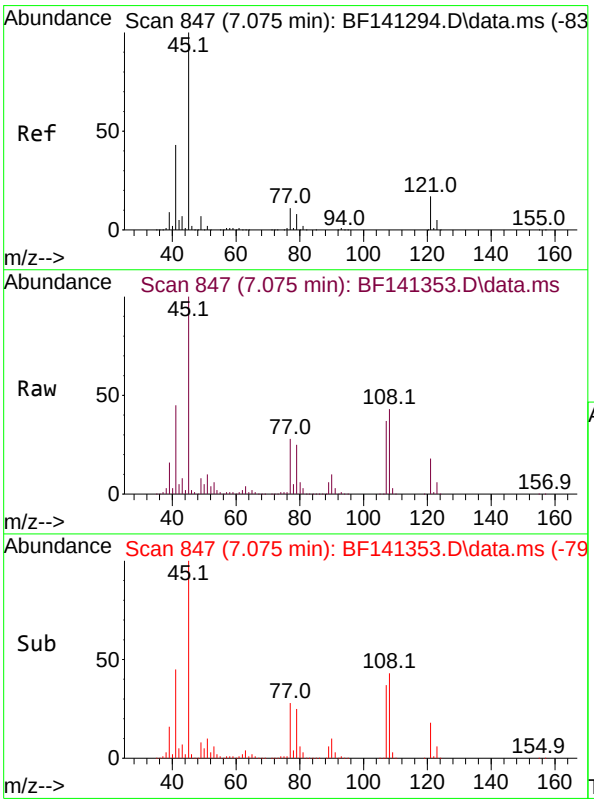
Ion	Ratio	Lower	Upper
79	100		
108	77.7	61.4	92.0
77	61.5	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

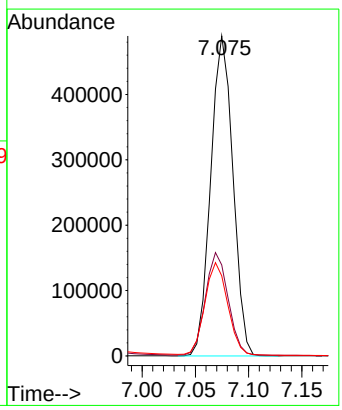


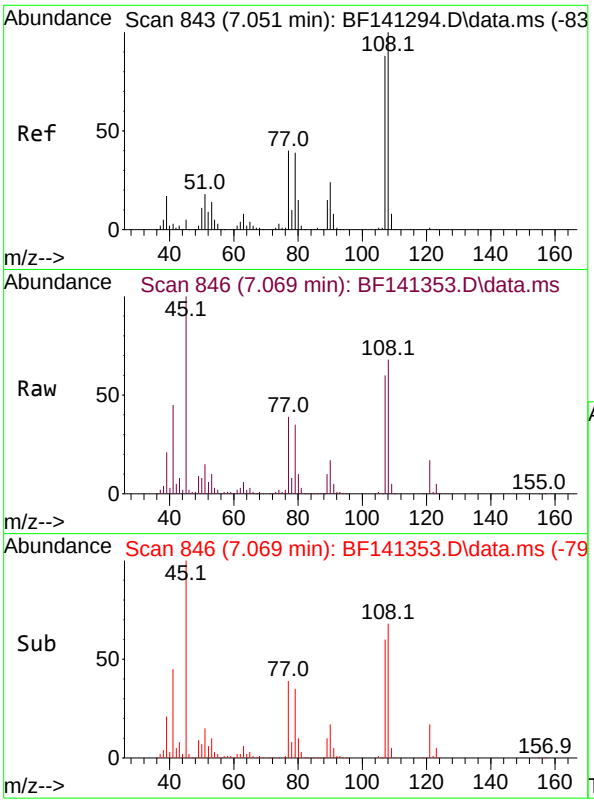


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.504 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 45 Resp: 710017

Ion	Ratio	Lower	Upper
45	100		
77	28.4	0.0	31.8
79	25.0	0.0	29.1

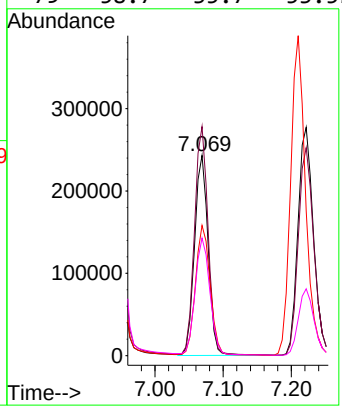




#17
2-Methylphenol
Concen: 39.707 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:107 Resp: 33722

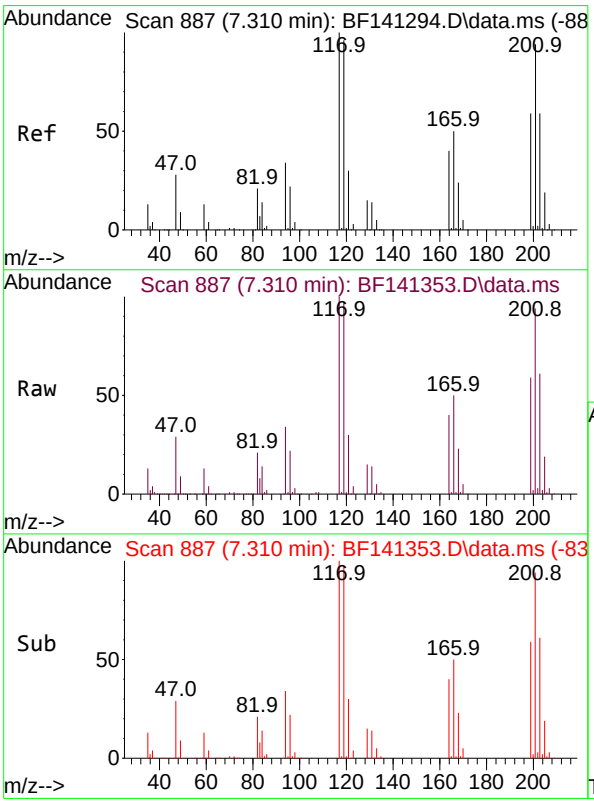
Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.8	136.2
77	65.0	36.2	54.4#
79	58.7	35.7	53.5#



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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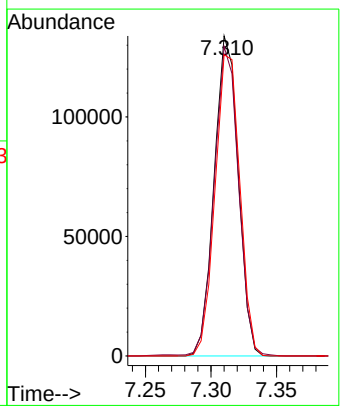
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

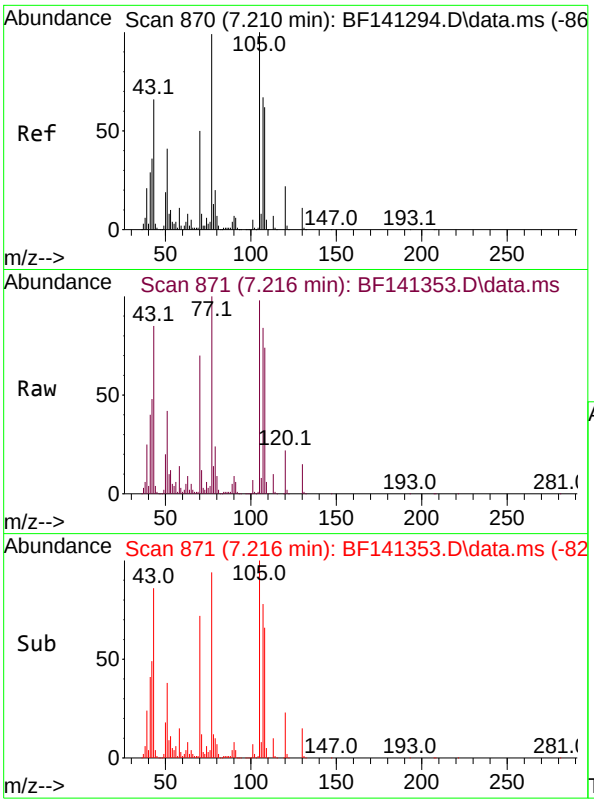


#18
Hexachloroethane
Concen: 39.969 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:117 Resp: 170674

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	114.8
201	94.1	74.8	112.2

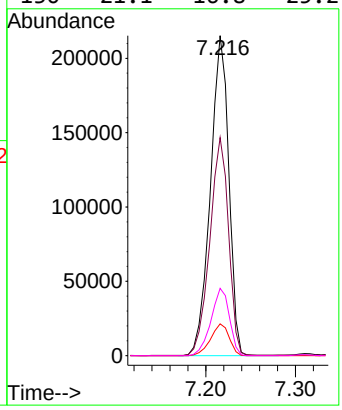




#19
n-Nitroso-di-n-propylamine
Concen: 41.610 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 70 Resp: 30665

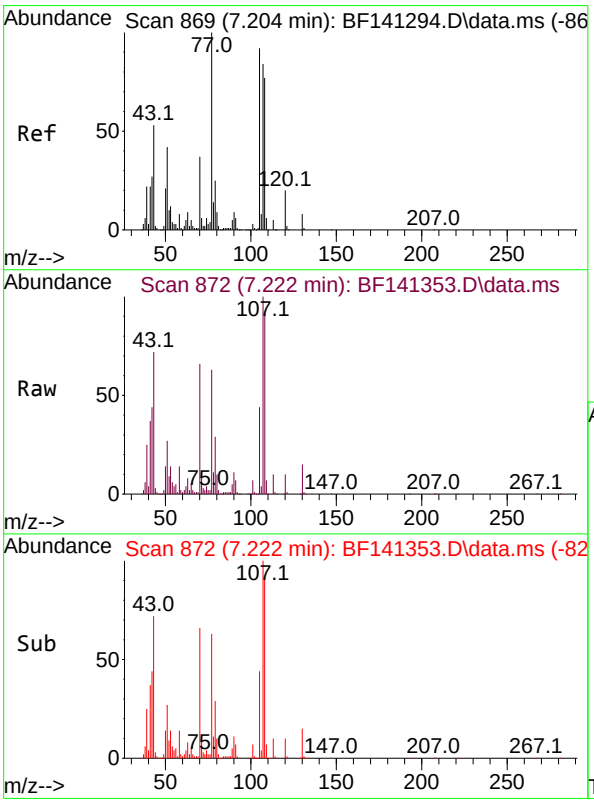
Ion	Ratio	Lower	Upper
70	100		
42	68.2	56.8	85.2
101	10.0	7.7	11.5
130	21.1	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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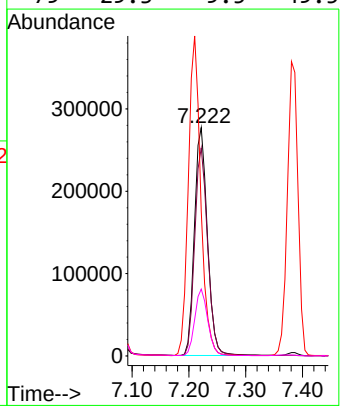
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

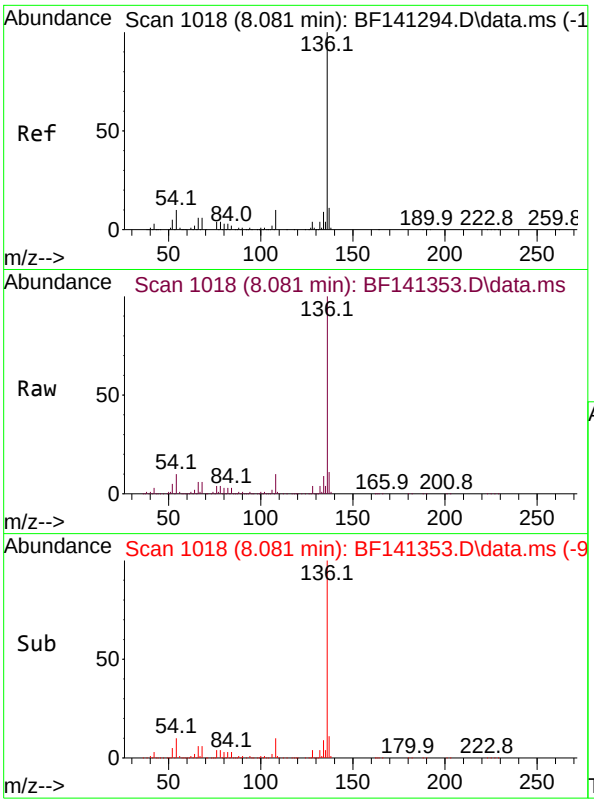


#20
3+4-Methylphenols
Concen: 42.262 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:107 Resp: 440708

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.9	110.9
77	63.4	98.5	138.5#
79	29.3	9.5	49.5

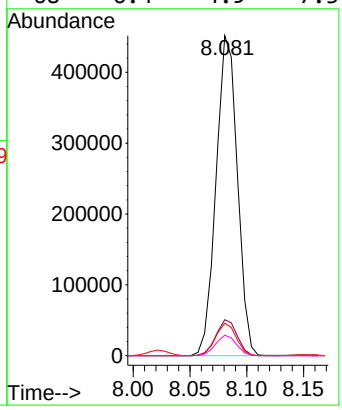




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:136 Resp: 58989

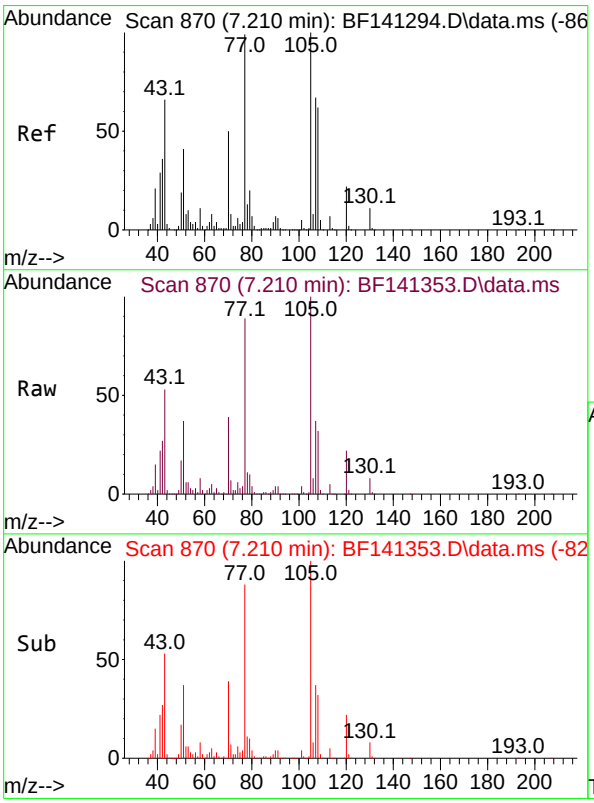
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	10.2	7.8	11.8
68	6.4	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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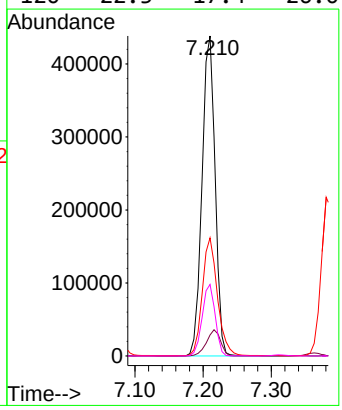
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

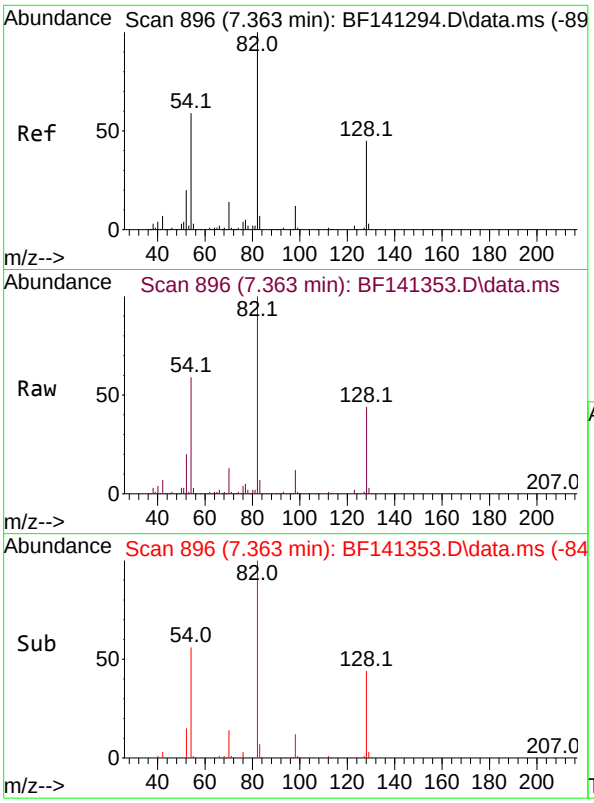


#22
Acetophenone
Concen: 41.770 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:105 Resp: 585685

Ion	Ratio	Lower	Upper
105	100		
71	6.6	6.8	10.2#
51	36.9	32.6	49.0
120	22.3	17.4	26.0

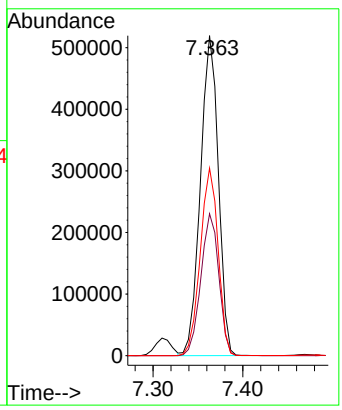




#23
Nitrobenzene-d5
Concen: 64.326 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 82 Resp: 71980

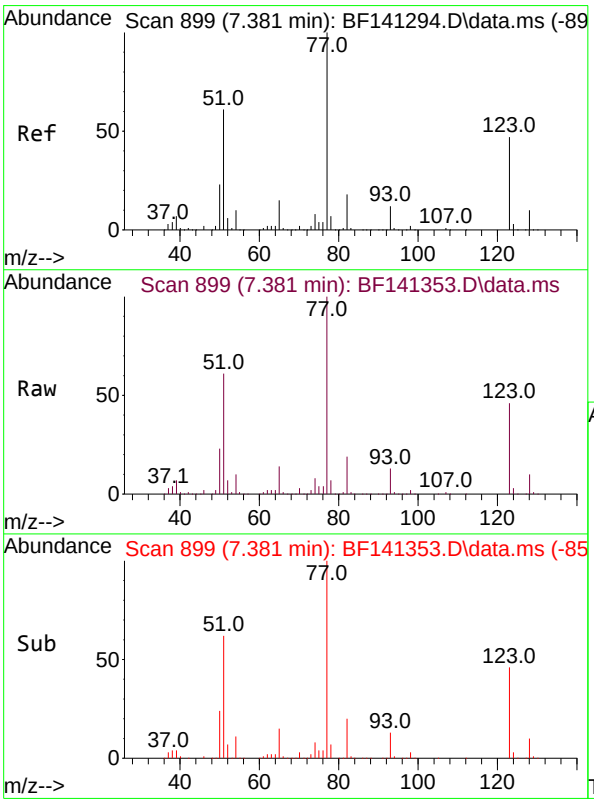
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.7	53.5
54	58.6	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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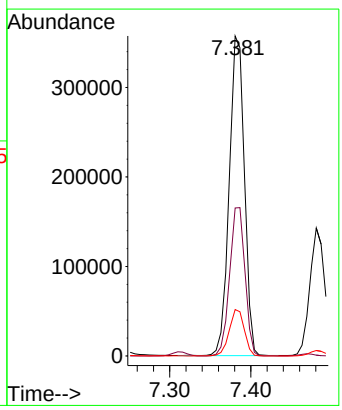
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

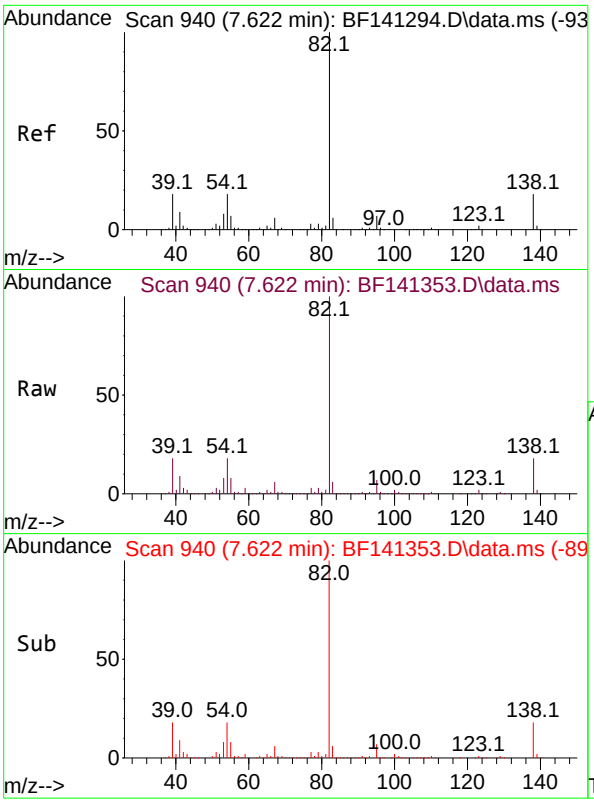


#24
Nitrobenzene
Concen: 40.009 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 77 Resp: 463958

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.3	55.9
65	14.5	11.8	17.6

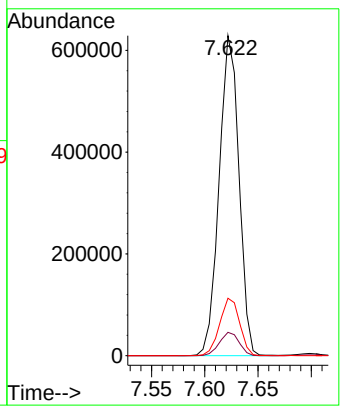




#25
Isophorone
Concen: 42.053 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 82 Resp: 81342

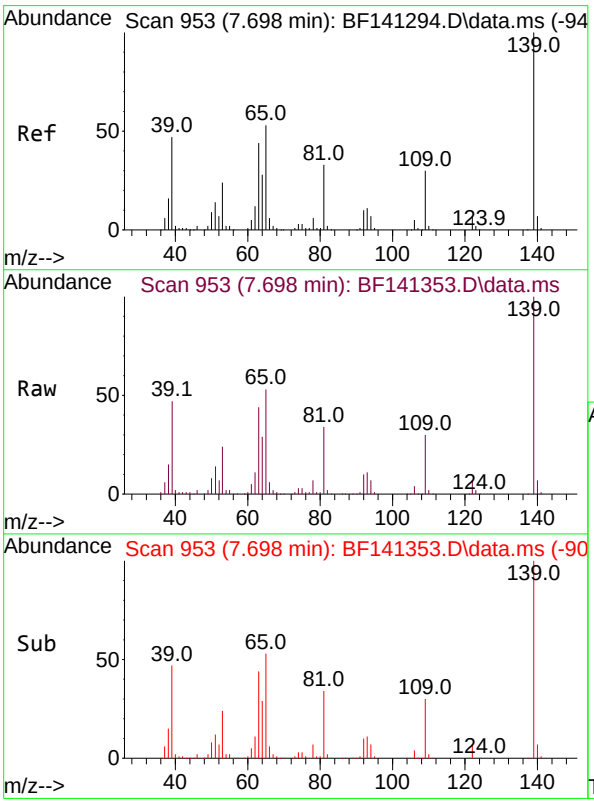
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	17.9	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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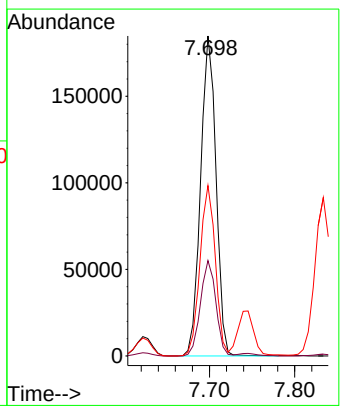
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

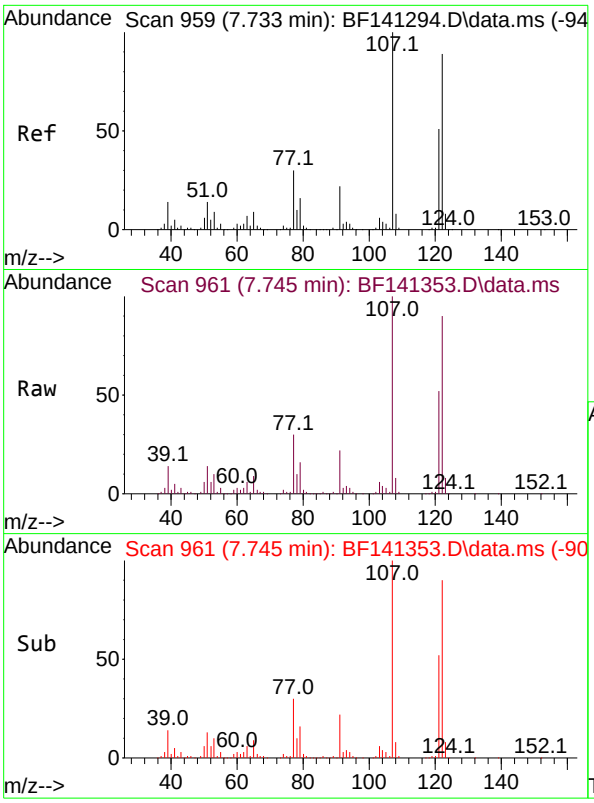


#26
2-Nitrophenol
Concen: 42.556 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:139 Resp: 232740

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.8	35.6
65	53.3	42.2	63.4

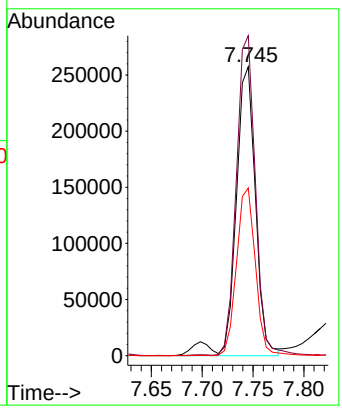




#27
2,4-Dimethylphenol
Concen: 49.727 ng m
RT: 7.745 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:122 Resp: 34615

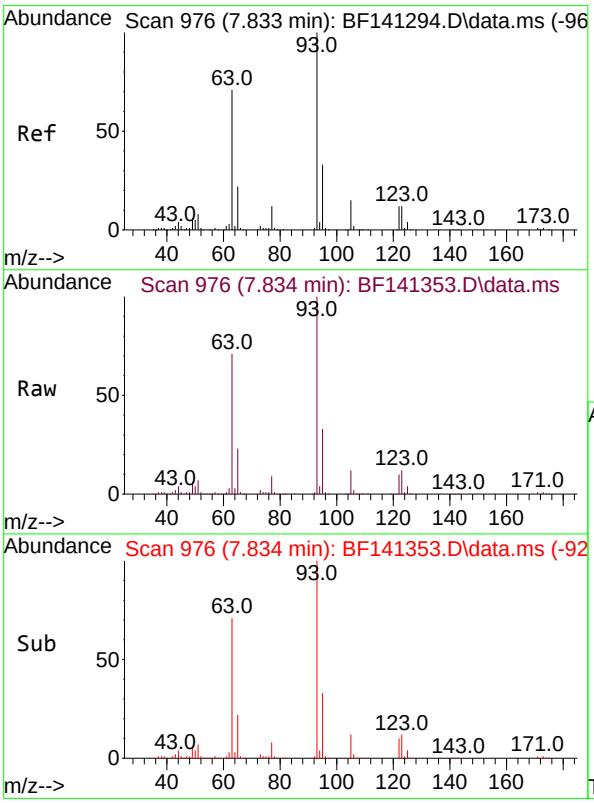
Ion	Ratio	Lower	Upper
122	100		
107	110.7	89.9	134.9
121	58.0	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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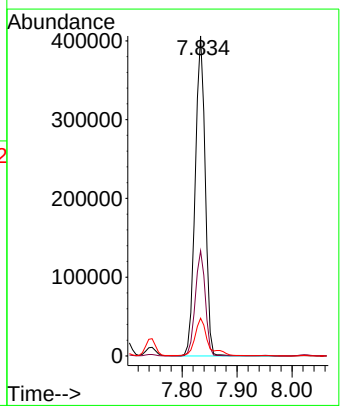
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

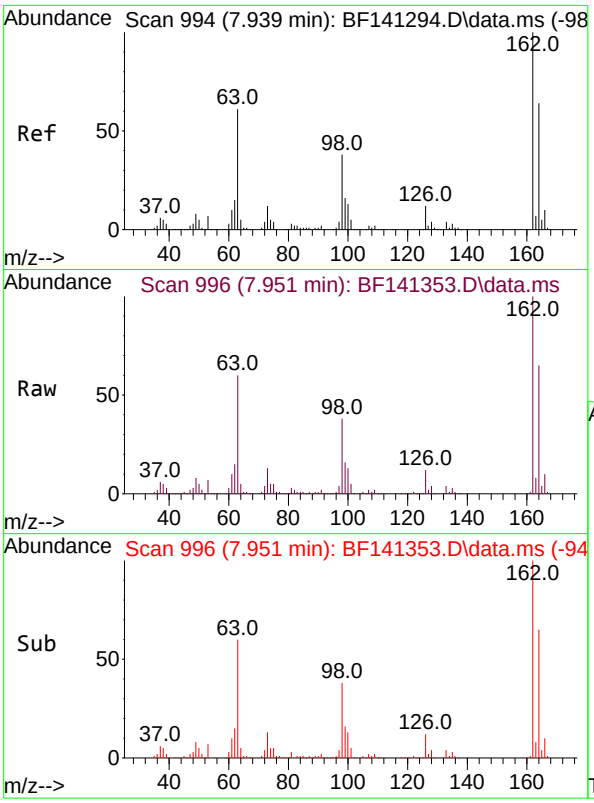


#28
bis(2-Chloroethoxy)methane
Concen: 41.726 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 93 Resp: 514821

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	11.8	10.2	15.4

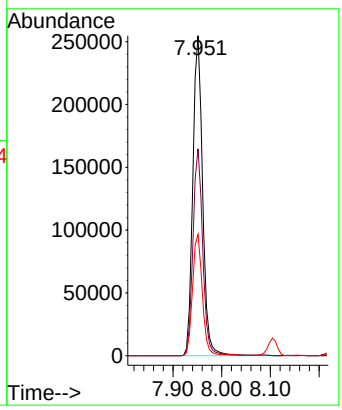




#29
2,4-Dichlorophenol
Concen: 41.921 ng
RT: 7.951 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:162 Resp: 35724

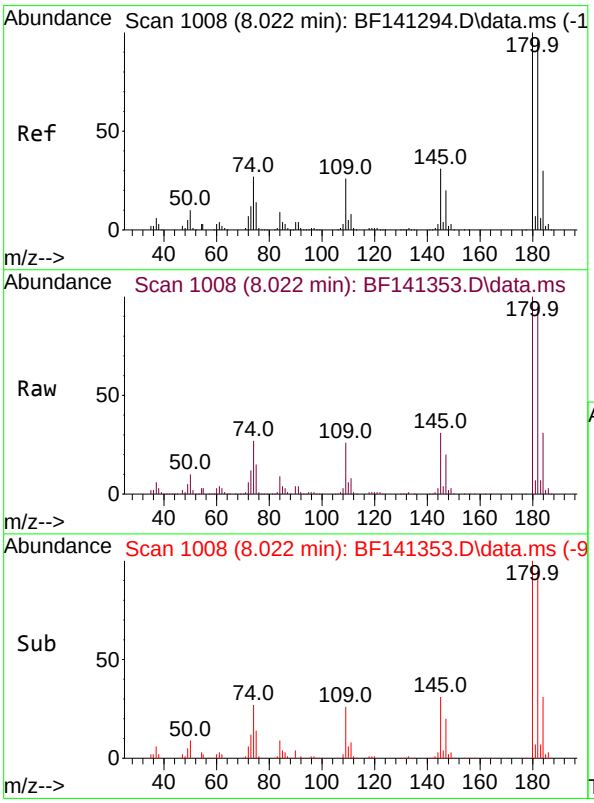
Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.2	84.2
98	37.9	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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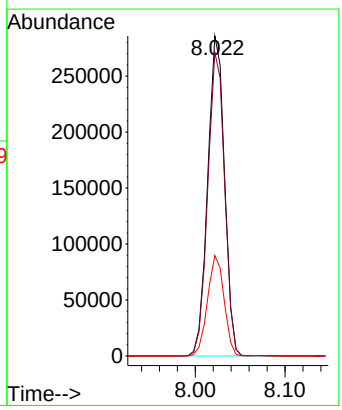
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

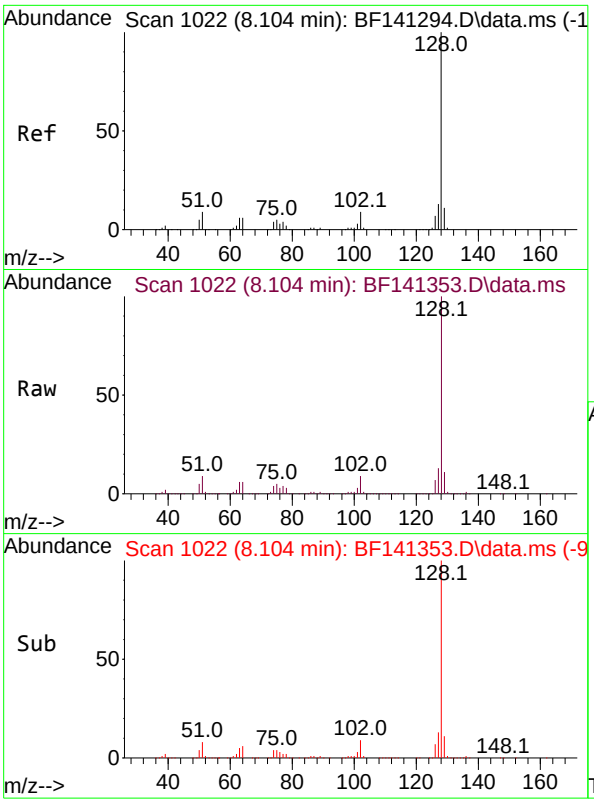


#30
1,2,4-Trichlorobenzene
Concen: 38.191 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:180 Resp: 371686

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
145	31.3	24.9	37.3





#31
Naphthalene
Concen: 39.847 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

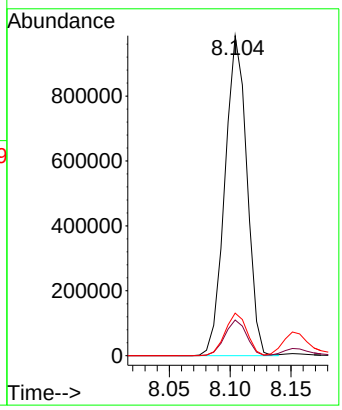
Tgt Ion:128 Resp: 124172

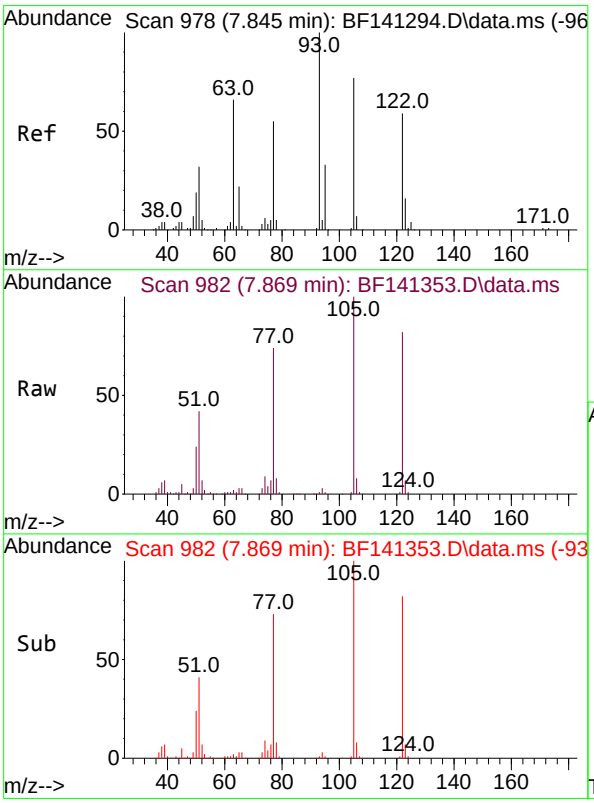
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

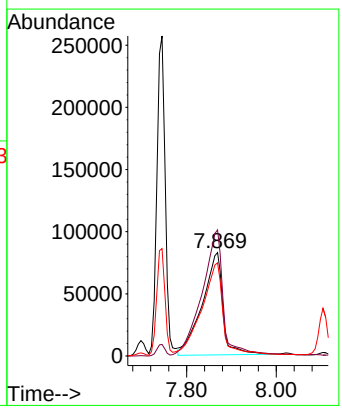


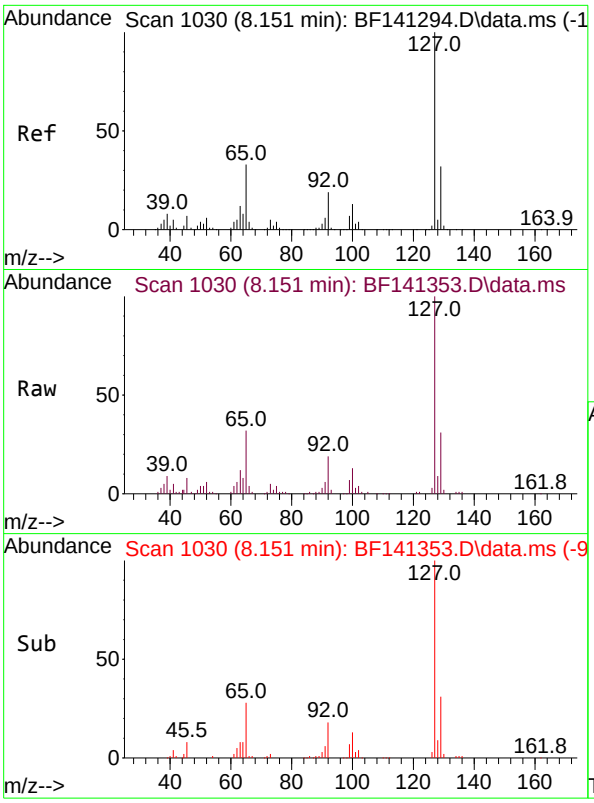


#32
Benzoic acid
Concen: 41.230 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:122 Resp: 263841

Ion	Ratio	Lower	Upper
122	100		
105	121.9	103.4	143.4
77	90.1	70.9	110.9

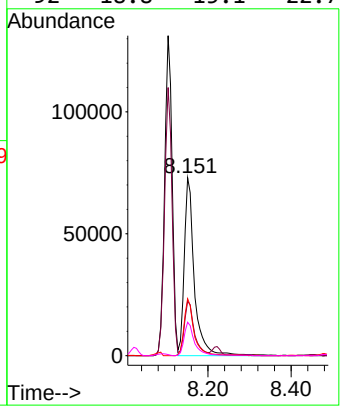




#33
4-Chloroaniline
Concen: 11.709 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:127 Resp: 12373

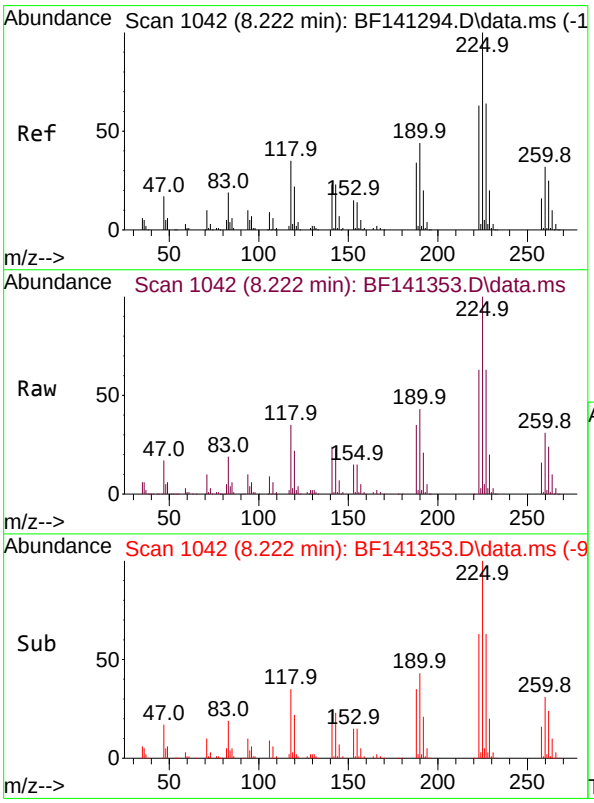
Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.7	38.5
65	32.0	26.4	39.6
92	18.8	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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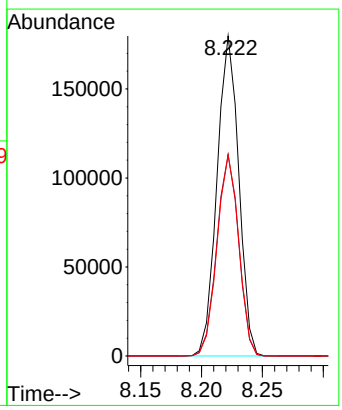
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

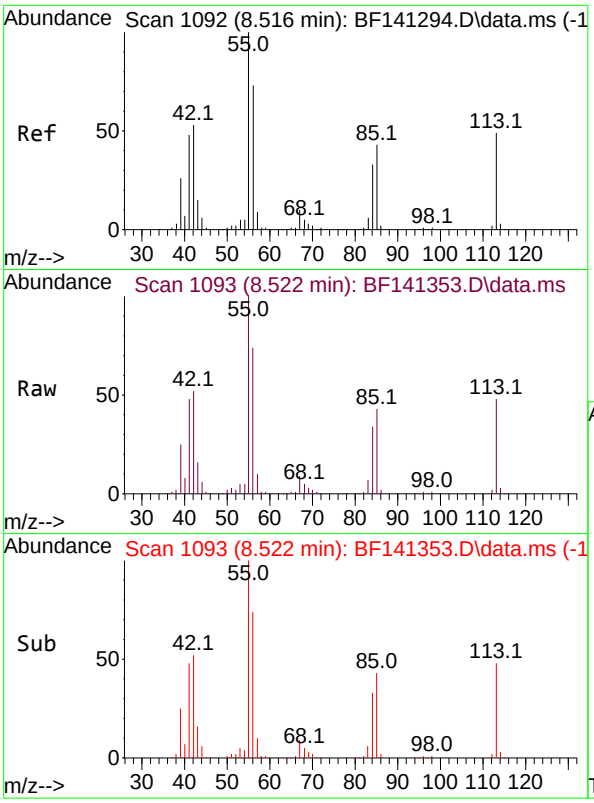


#34
Hexachlorobutadiene
Concen: 39.091 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:225 Resp: 223107

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	62.8	51.3	76.9





#35
Caprolactam
Concen: 41.781 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

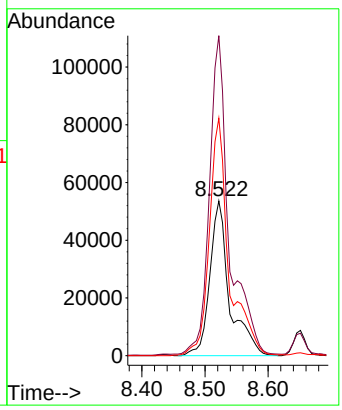
Tgt Ion:113 Resp: 11628

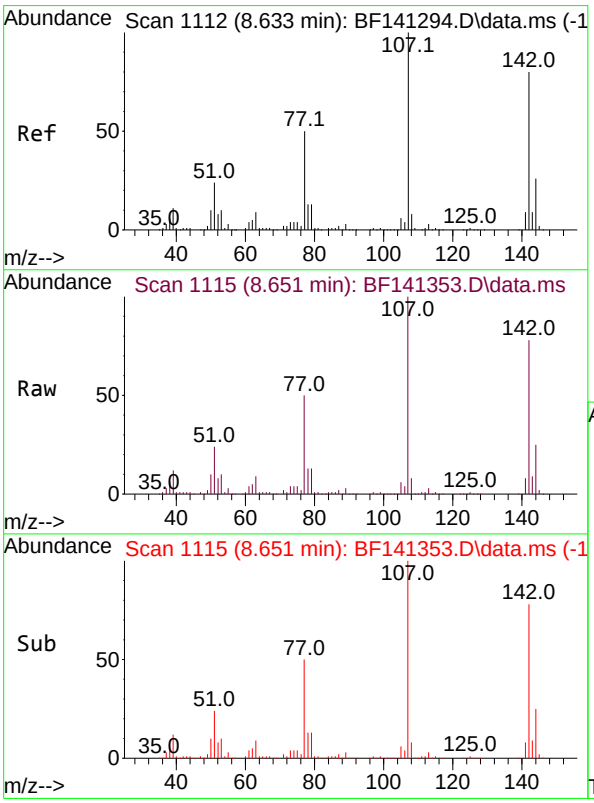
Ion	Ratio	Lower	Upper
113	100		
55	206.8	182.9	222.9
56	153.4	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

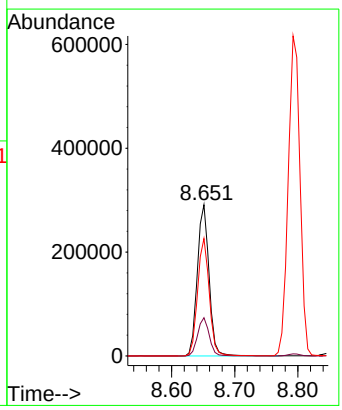


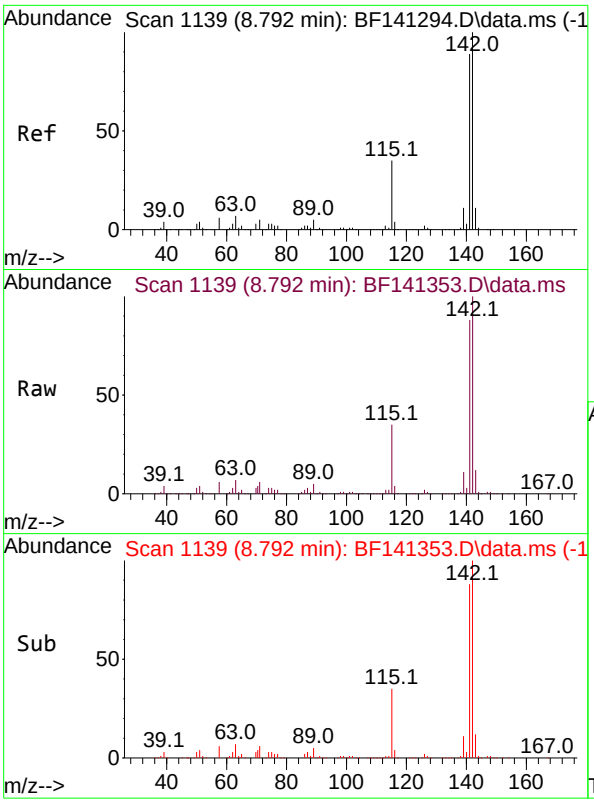


#36
4-Chloro-3-methylphenol
Concen: 41.132 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.012 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:107 Resp: 375991

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.7	31.1
142	77.7	63.8	95.8

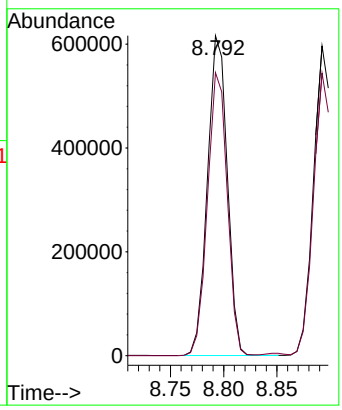




#37
2-Methylnaphthalene
Concen: 40.265 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:142 Resp: 79751

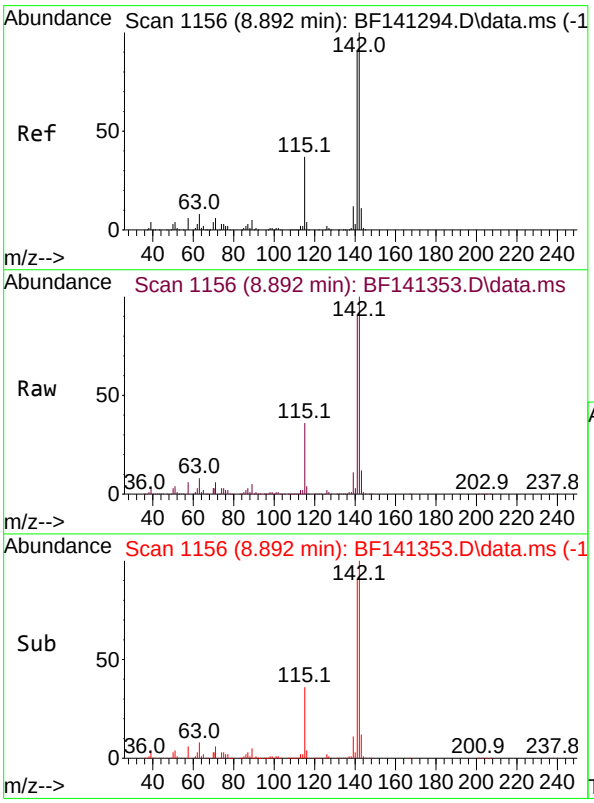
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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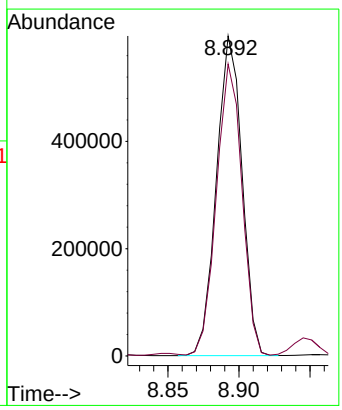
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

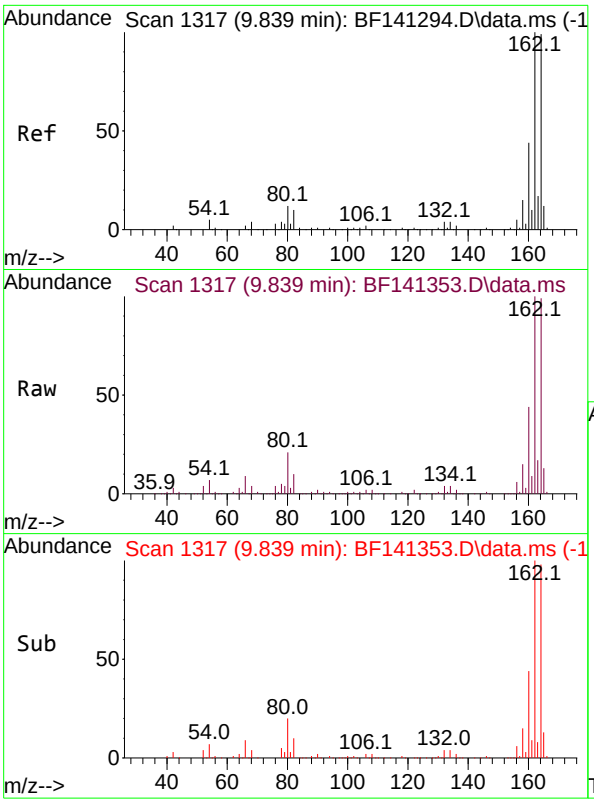


#38
1-Methylnaphthalene
Concen: 38.311 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:142 Resp: 745385

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.2	109.8

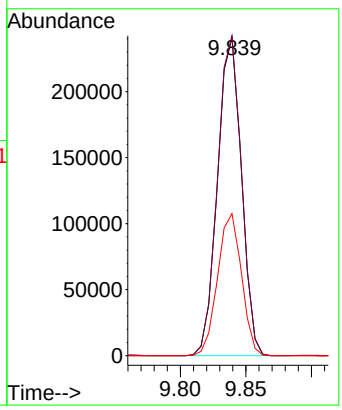




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:164 Resp: 30472

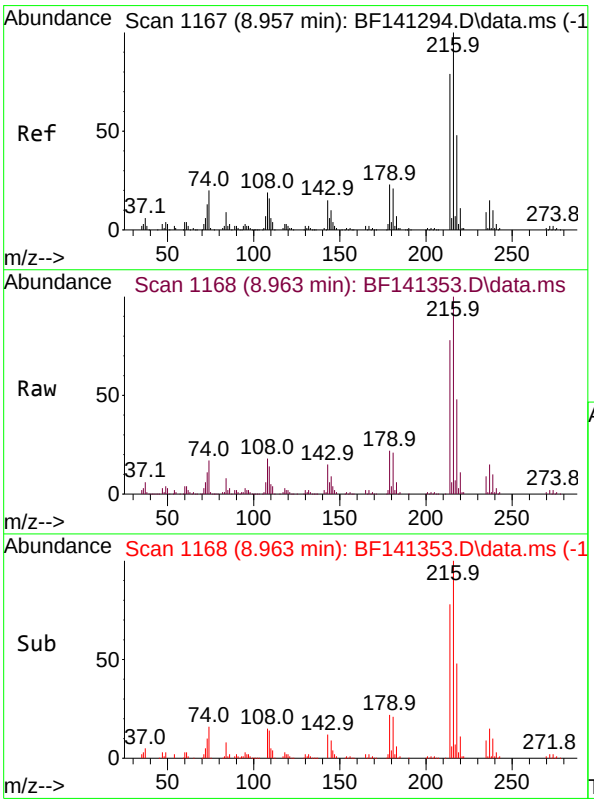
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	121.0
160	44.7	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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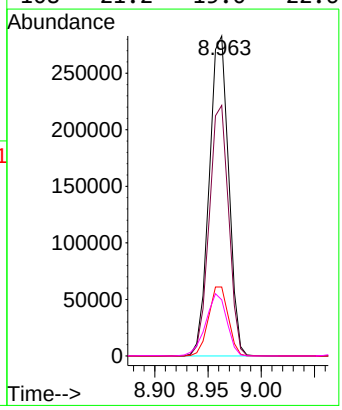
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

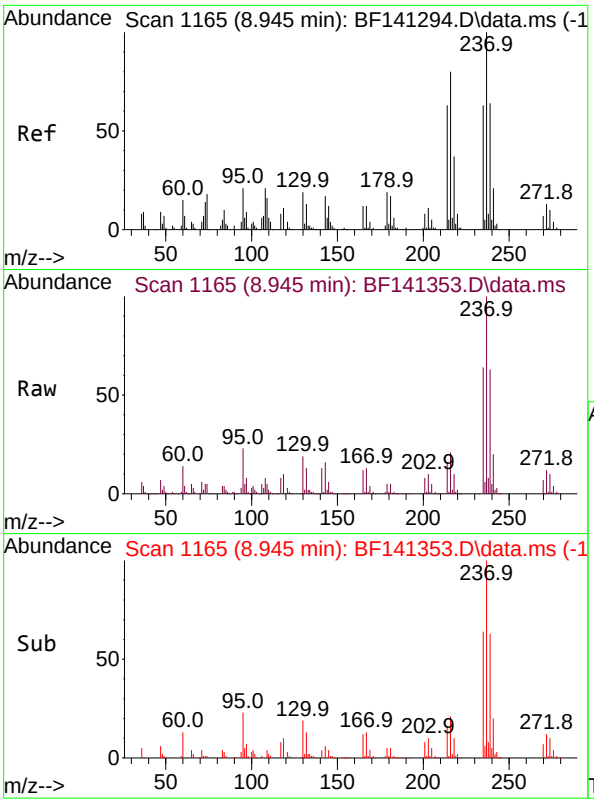


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.338 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:216 Resp: 358360

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.2	94.8
179	22.0	17.8	26.8
108	21.2	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 129.149 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

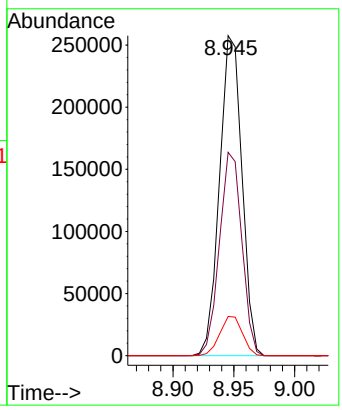
Tgt Ion:237 Resp: 33064

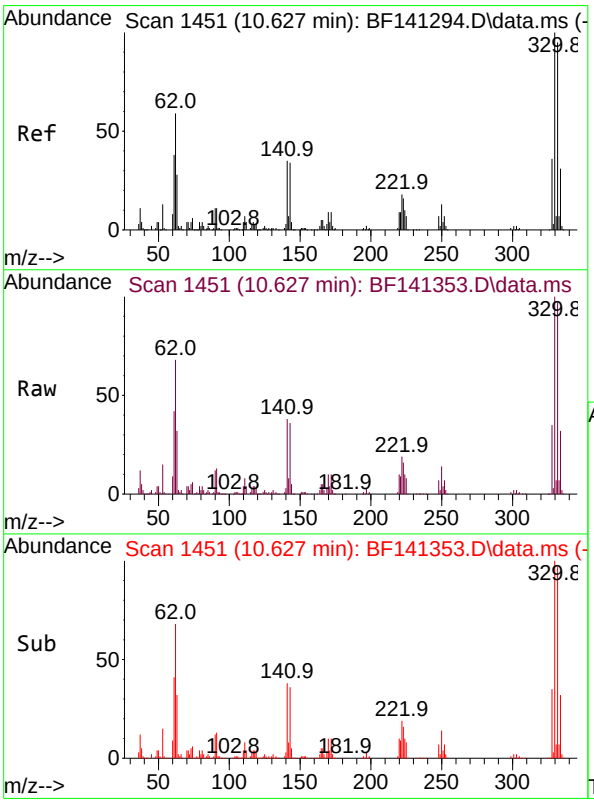
Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.9	82.9
272	12.3	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

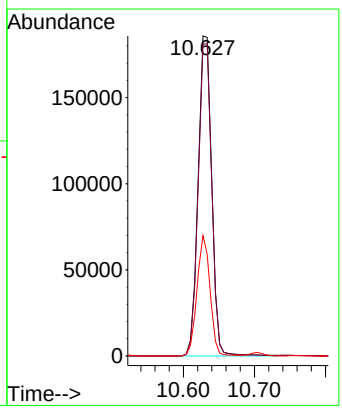


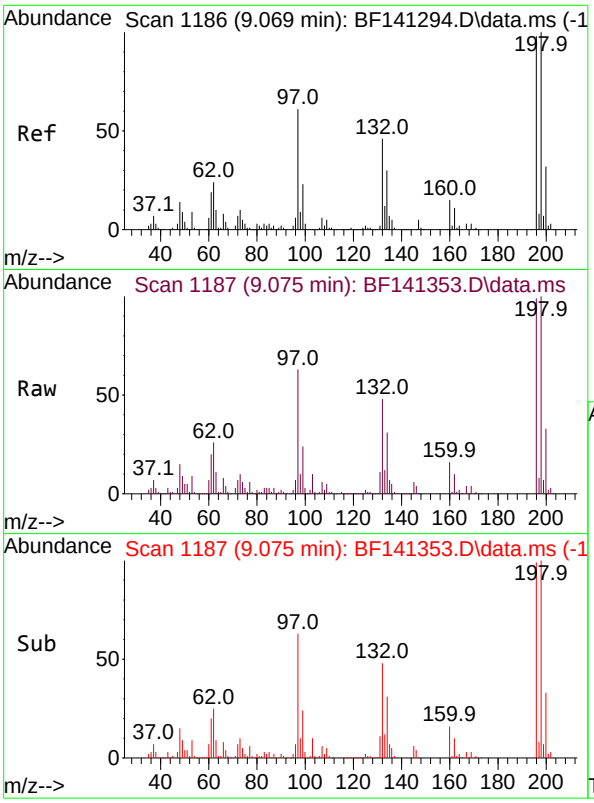


#42
2,4,6-Tribromophenol
Concen: 88.864 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:330 Resp: 248253

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.1	114.1
141	36.1	28.8	43.2

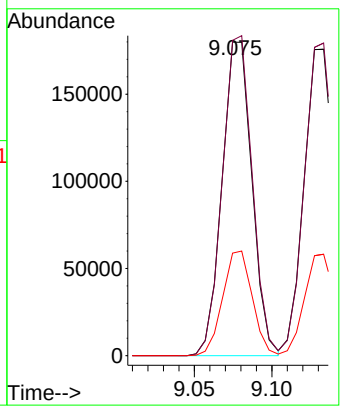




#43
2,4,6-Trichlorophenol
Concen: 42.606 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:196 Resp: 24175

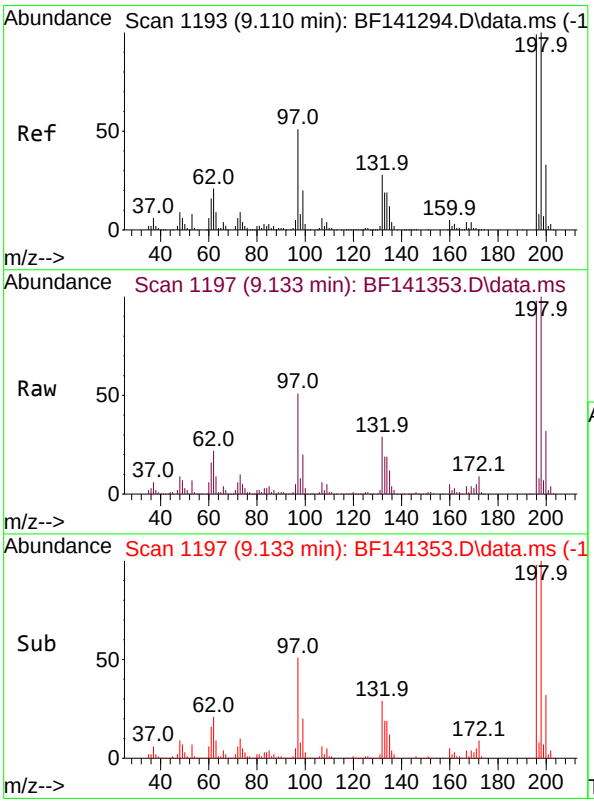
Ion	Ratio	Lower	Upper
196	100		
198	100.6	81.8	122.6
200	32.7	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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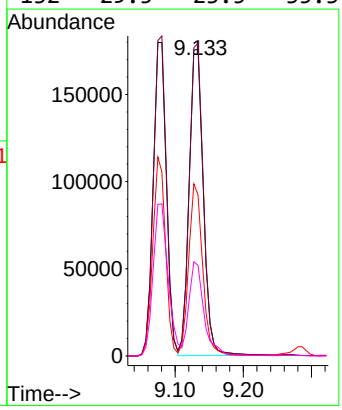
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

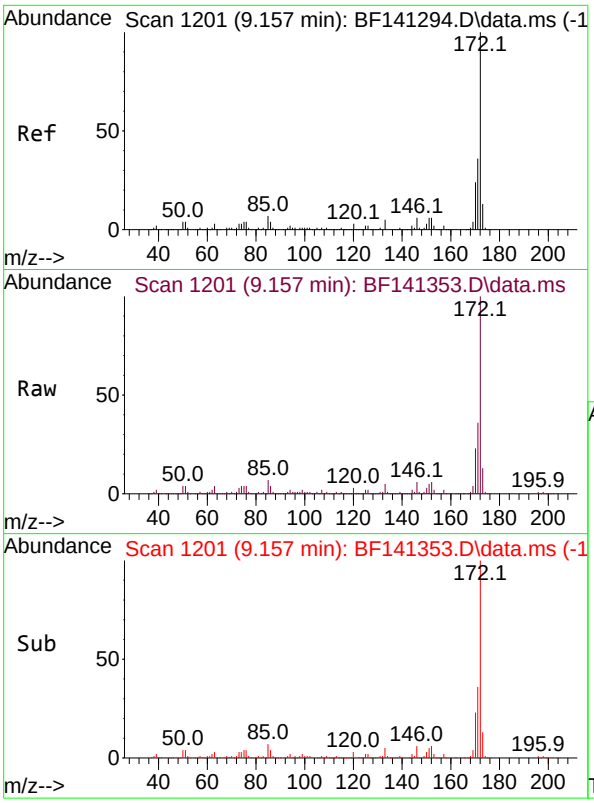


#44
2,4,5-Trichlorophenol
Concen: 40.992 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.017 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:196 Resp: 253156

Ion	Ratio	Lower	Upper
196	100		
198	102.0	80.5	120.7
97	52.5	42.8	64.2
132	29.5	23.5	35.3

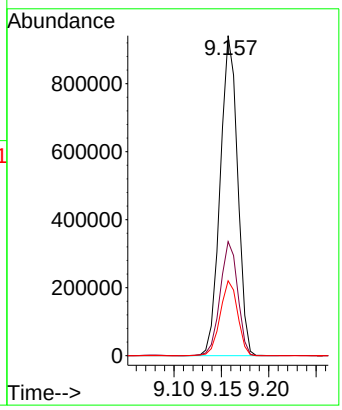




#45
2-Fluorobiphenyl
Concen: 60.924 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:172 Resp: 120616

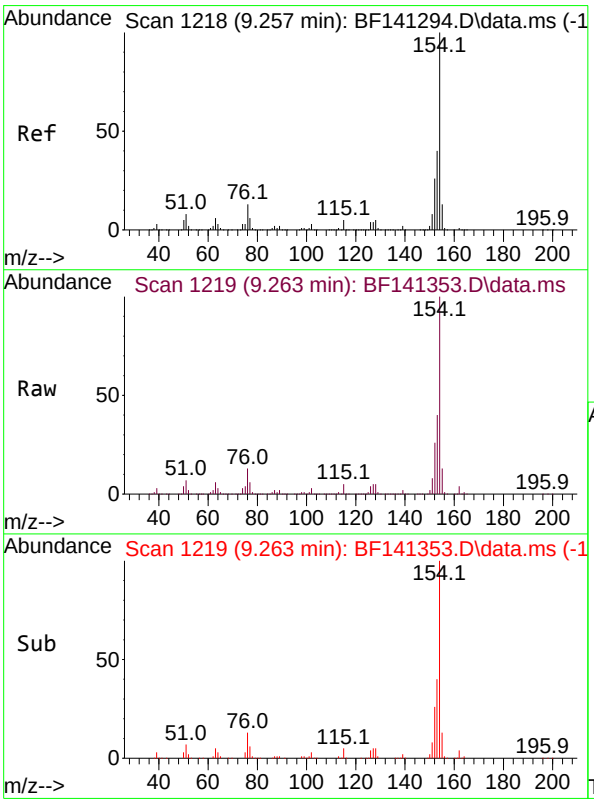
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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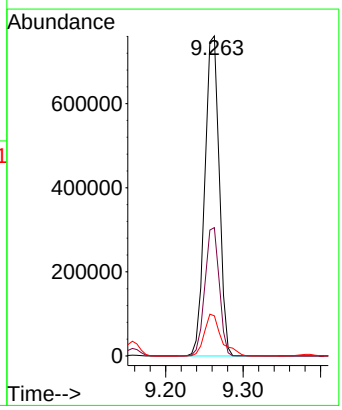
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

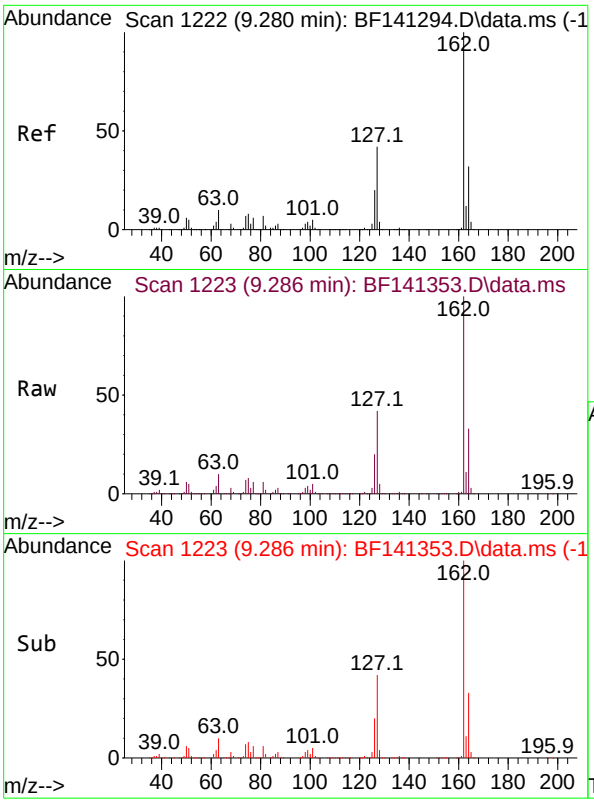


#46
1,1'-Biphenyl
Concen: 41.329 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:154 Resp: 982186

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.5	0.0	32.8

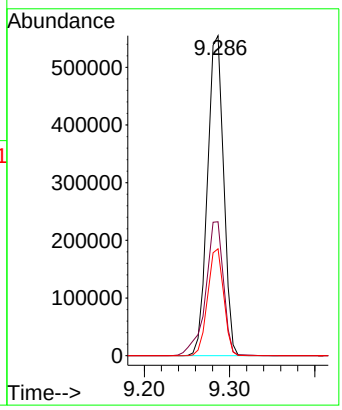




#47
2-Chloronaphthalene
Concen: 39.379 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:162 Resp: 72943

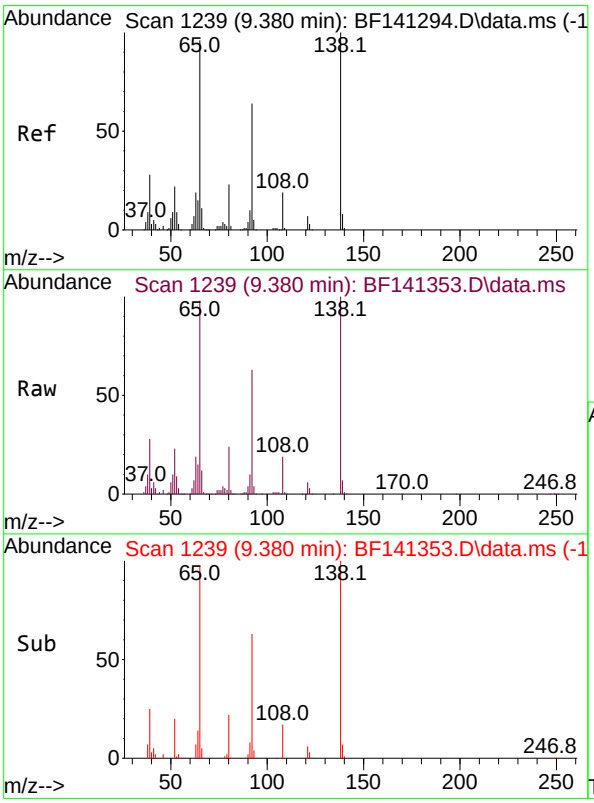
Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.7	50.5
164	33.4	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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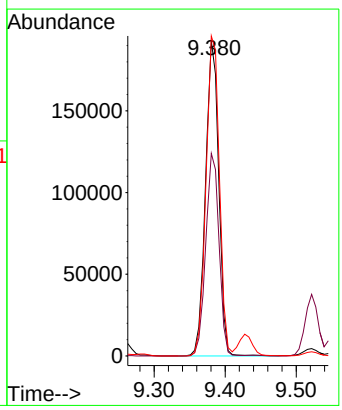
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

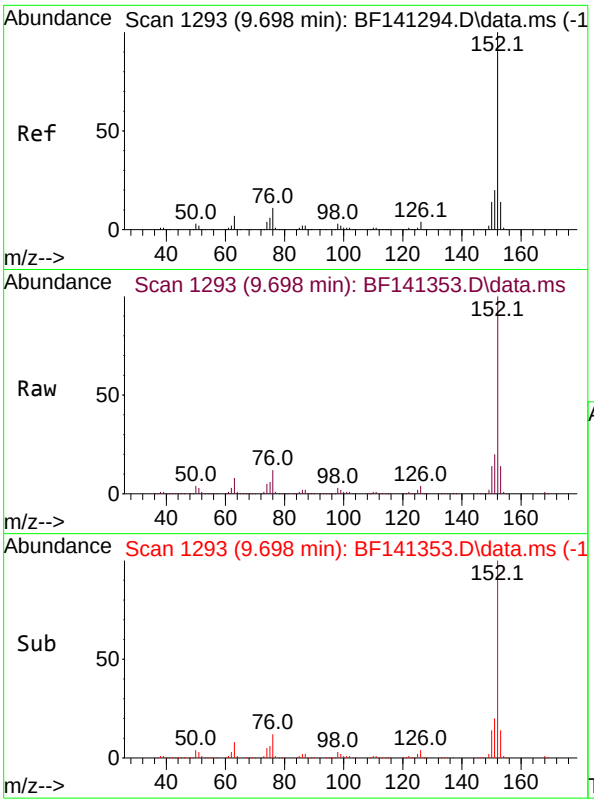


#48
2-Nitroaniline
Concen: 42.870 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 65 Resp: 249777

Ion	Ratio	Lower	Upper
65	100		
92	64.3	53.3	79.9
138	101.6	83.6	125.4





#49
Acenaphthylene
Concen: 42.820 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

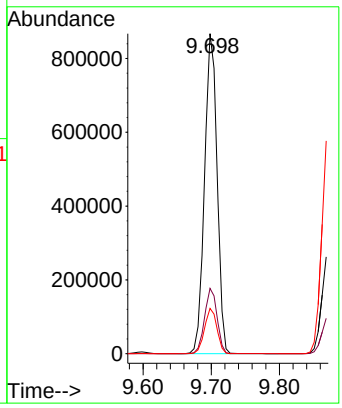
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

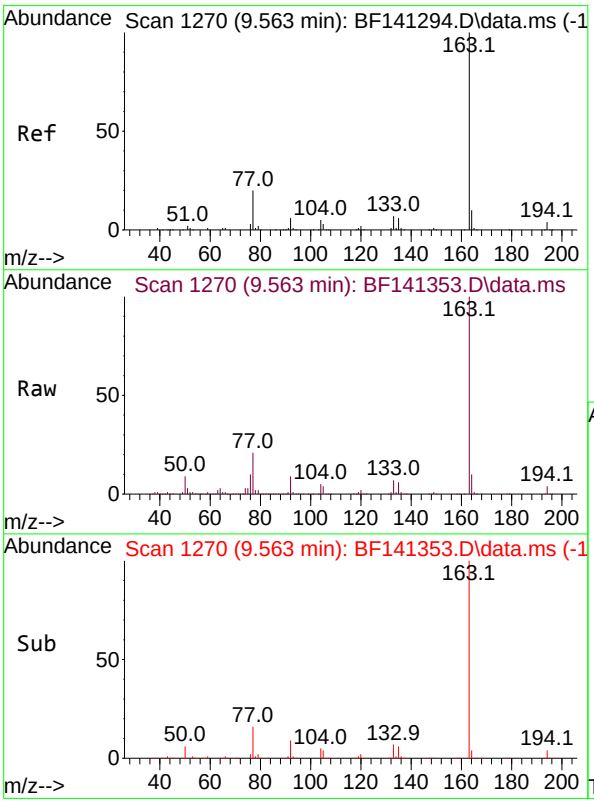
Tgt Ion:152 Resp: 111029

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	14.1	11.0	16.6

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

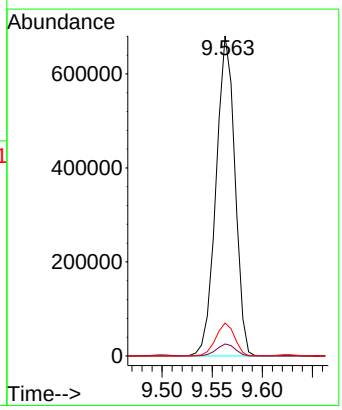


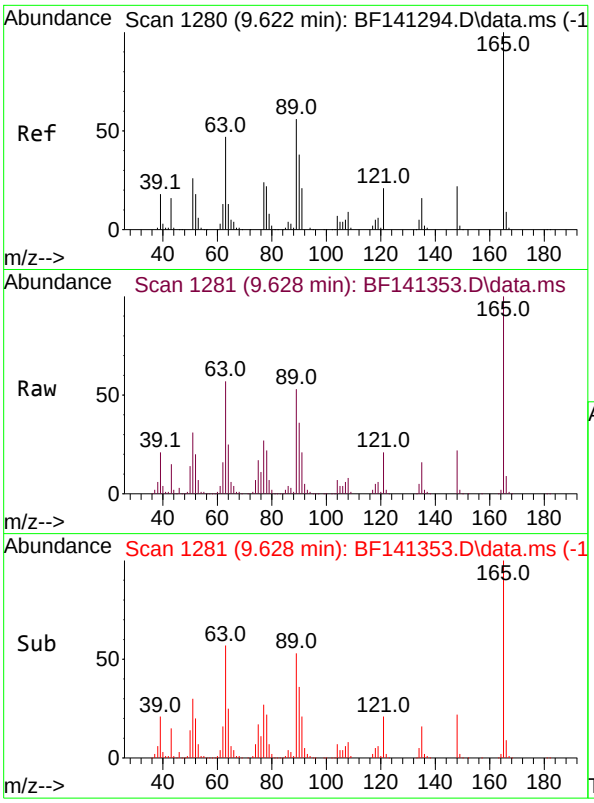


#50
Dimethylphthalate
Concen: 43.224 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:163 Resp: 889602

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.3	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 40.489 ng
RT: 9.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

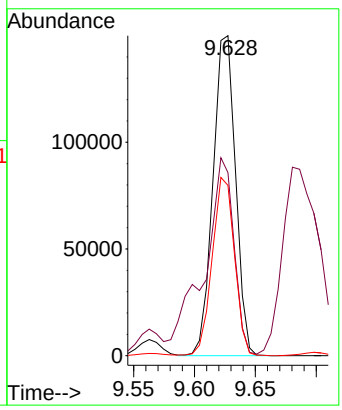
Tgt Ion:165 Resp: 19348

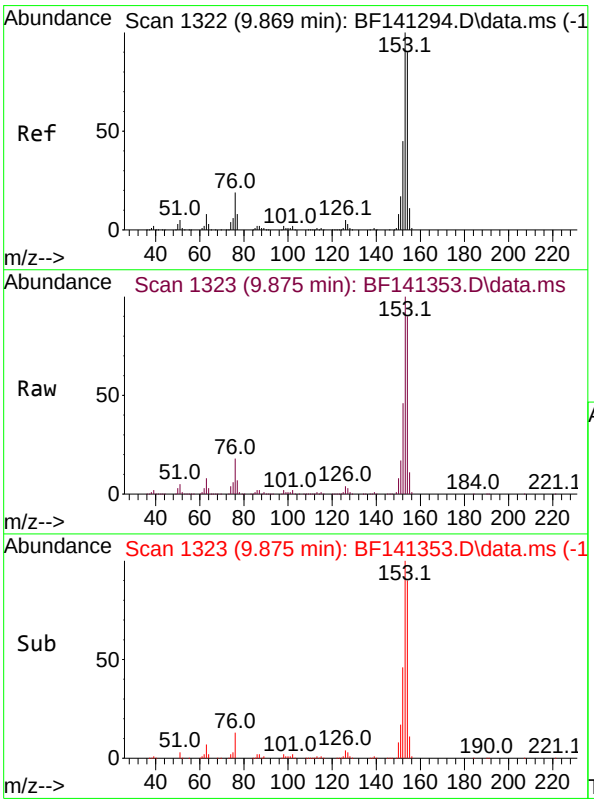
Ion	Ratio	Lower	Upper
165	100		
63	57.2	48.1	72.1
89	53.2	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
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Supervised By :mohammad ahmed 02/04/2025

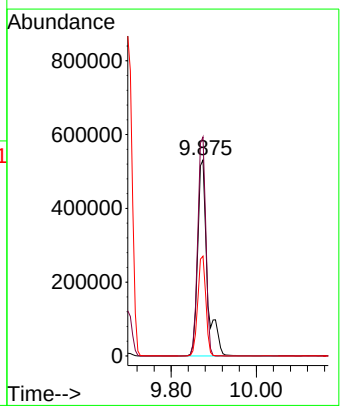


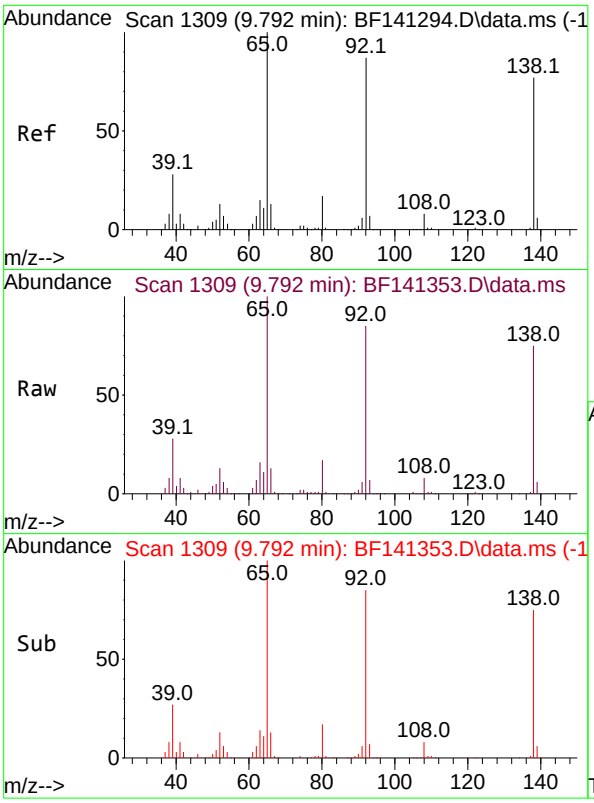


#52
Acenaphthene
Concen: 45.077 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:154 Resp: 835010

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.0	133.4
152	50.9	40.2	60.4





#53
3-Nitroaniline
Concen: 27.606 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

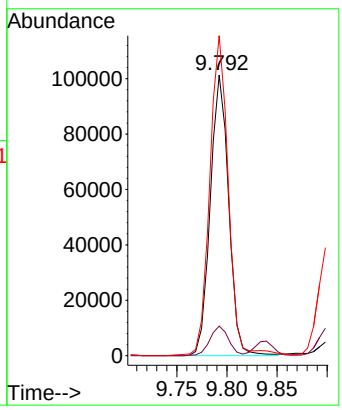
Tgt Ion:138 Resp: 12929

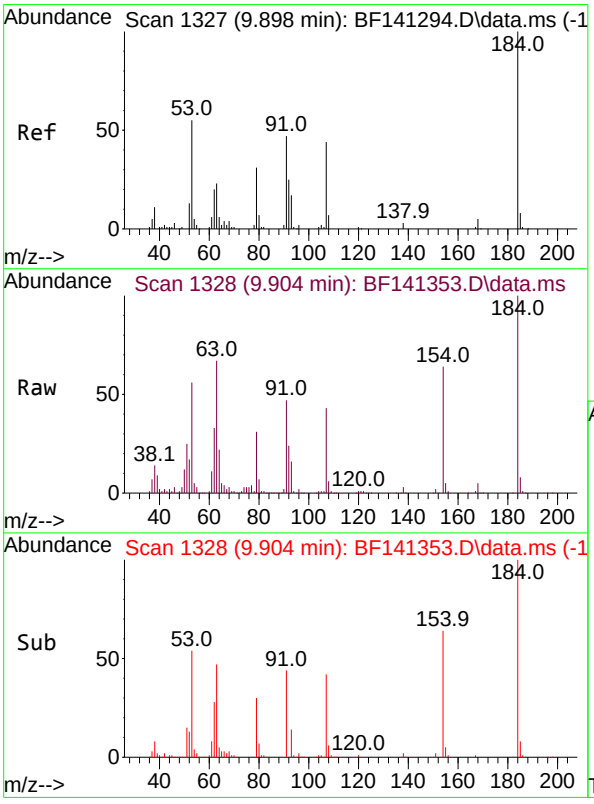
Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	114.0	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

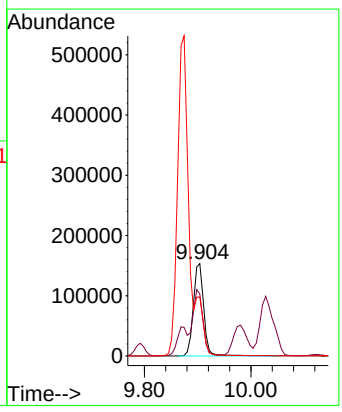


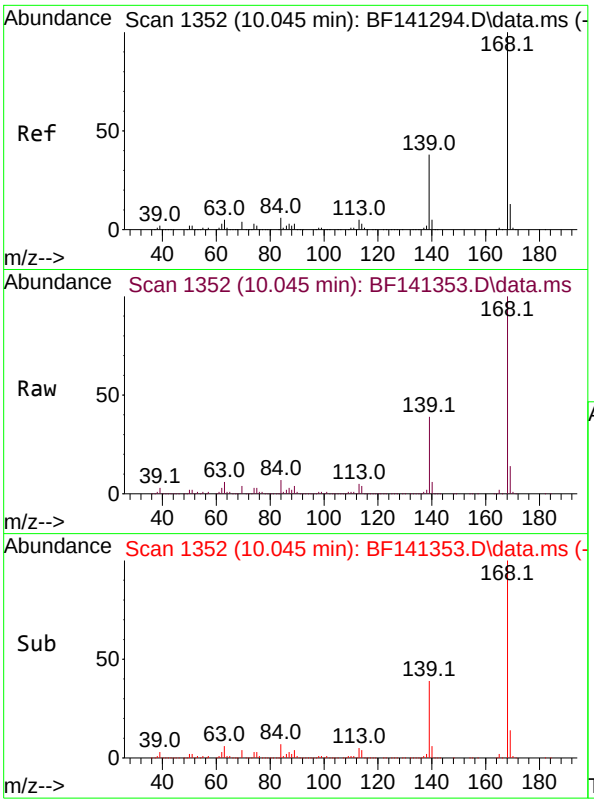


#54
2,4-Dinitrophenol
Concen: 94.252 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:184 Resp: 209369

Ion	Ratio	Lower	Upper
184	100		
63	67.3	54.1	81.1
154	64.0	50.7	76.1

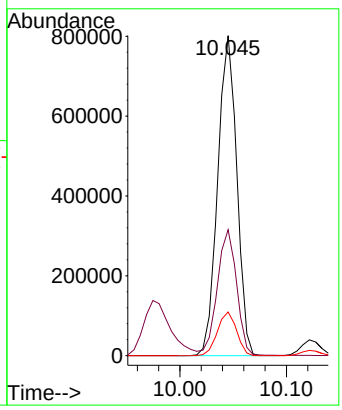




#55
Dibenzofuran
Concen: 40.184 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:168 Resp: 99636

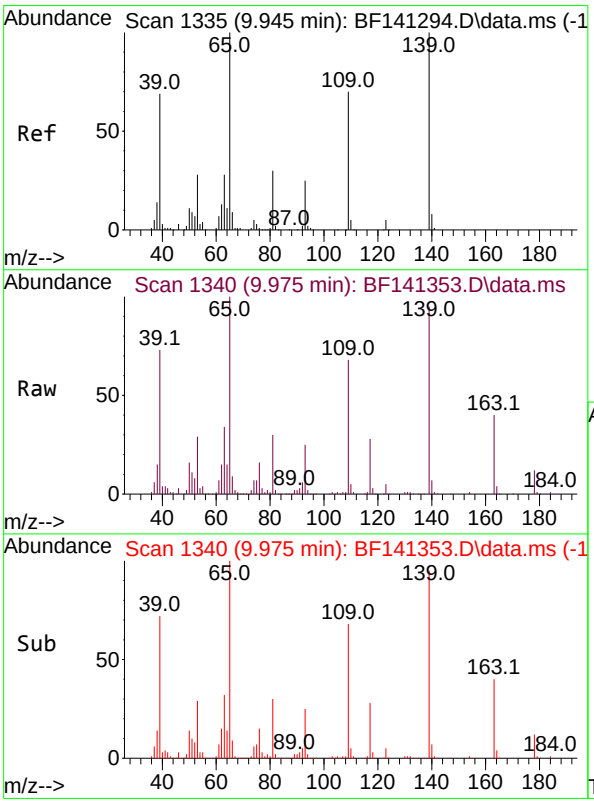
Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.6	46.0
169	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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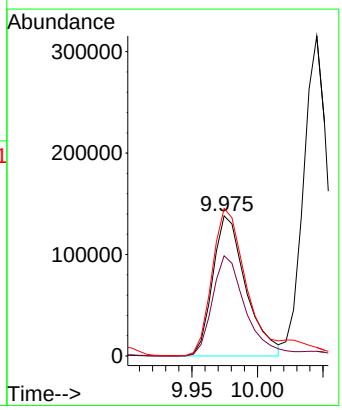
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

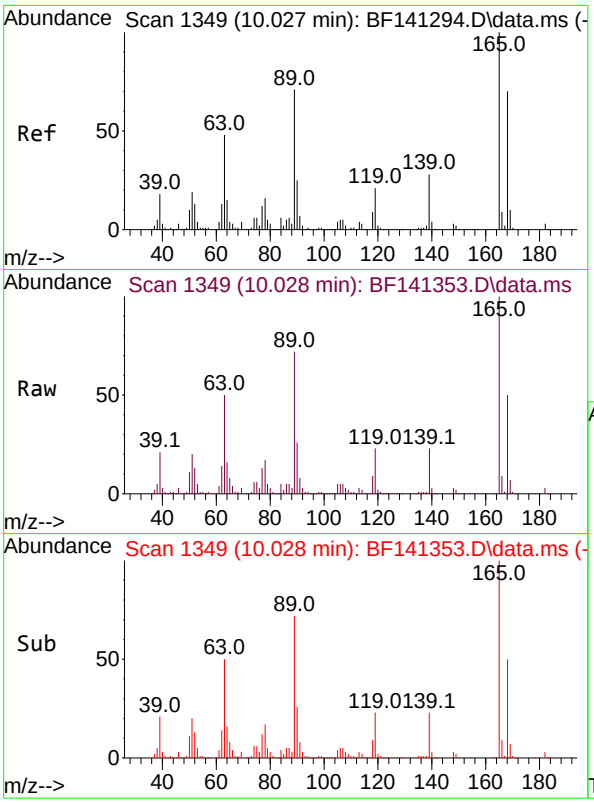


#56
4-Nitrophenol
Concen: 70.629 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:139 Resp: 241925

Ion	Ratio	Lower	Upper
139	100		
109	71.4	50.2	90.2
65	105.2	80.6	120.6

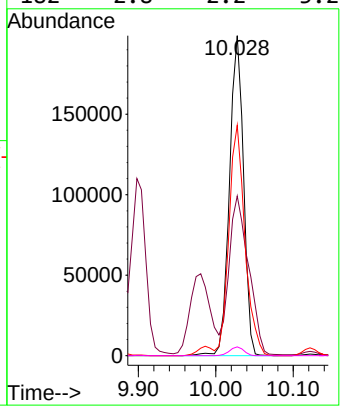




#57
2,4-Dinitrotoluene
Concen: 40.550 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:165 Resp: 25088

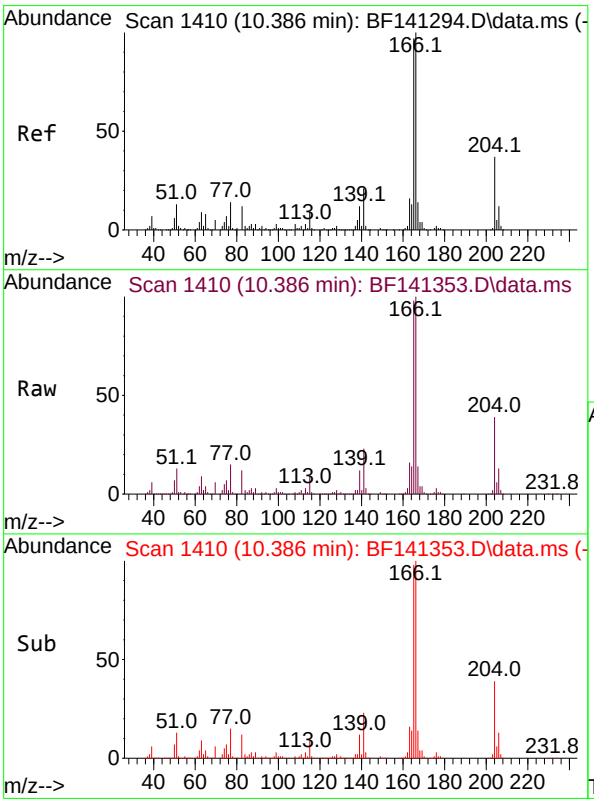
Ion	Ratio	Lower	Upper
165	100		
63	49.9	39.2	58.8
89	72.0	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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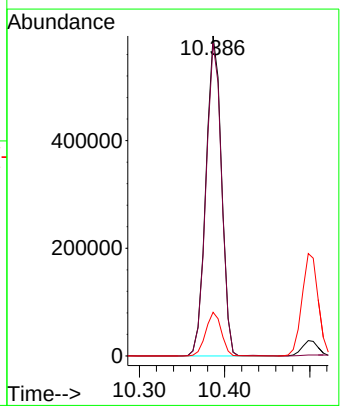
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

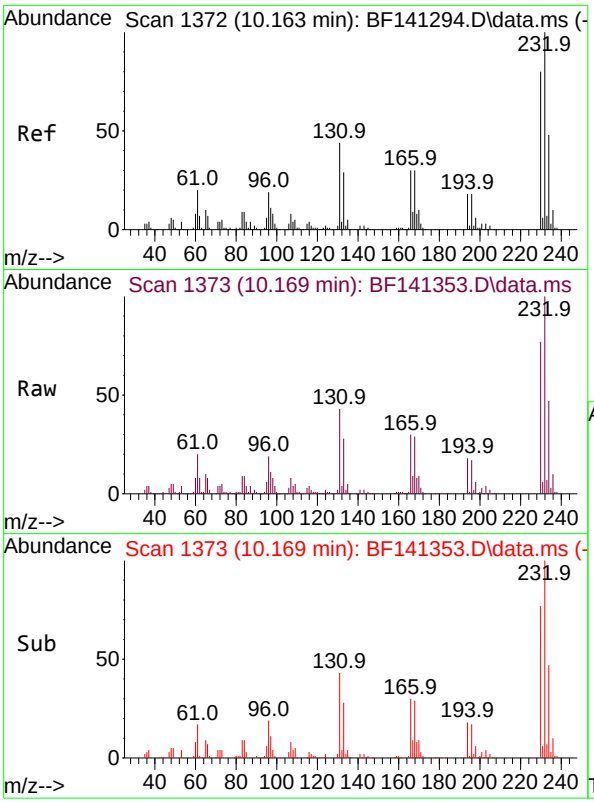


#58
Fluorene
Concen: 39.206 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:166 Resp: 754067

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.5	116.3
167	13.7	10.9	16.3

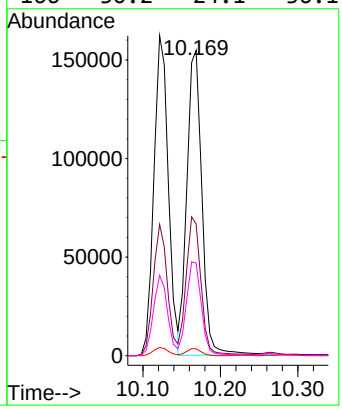




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.763 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:232 Resp: 20776

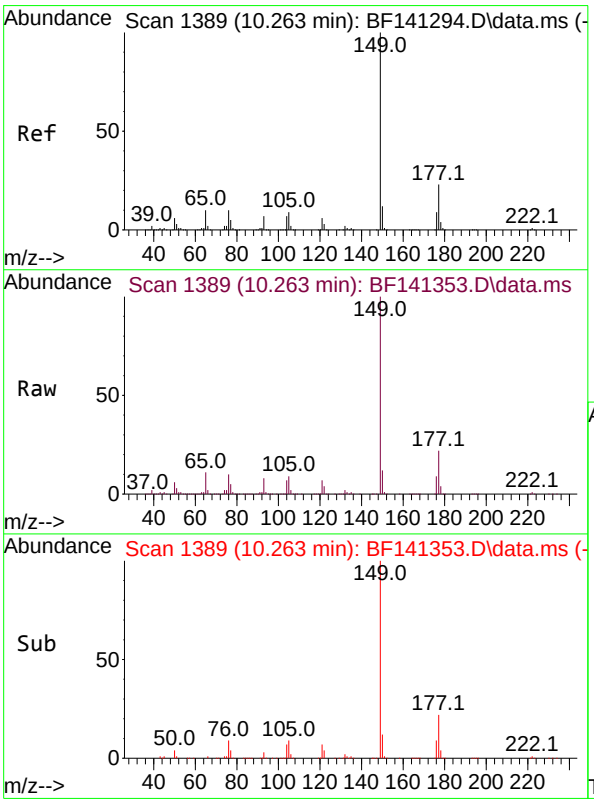
Ion	Ratio	Lower	Upper
232	100		
131	45.1	36.4	54.6
130	2.3	1.9	2.9
166	30.2	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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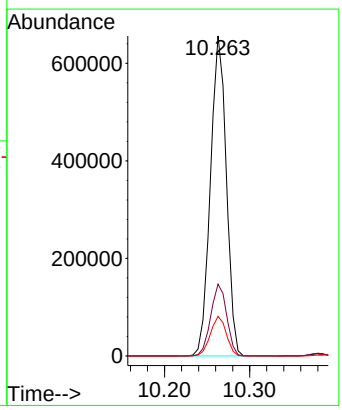
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

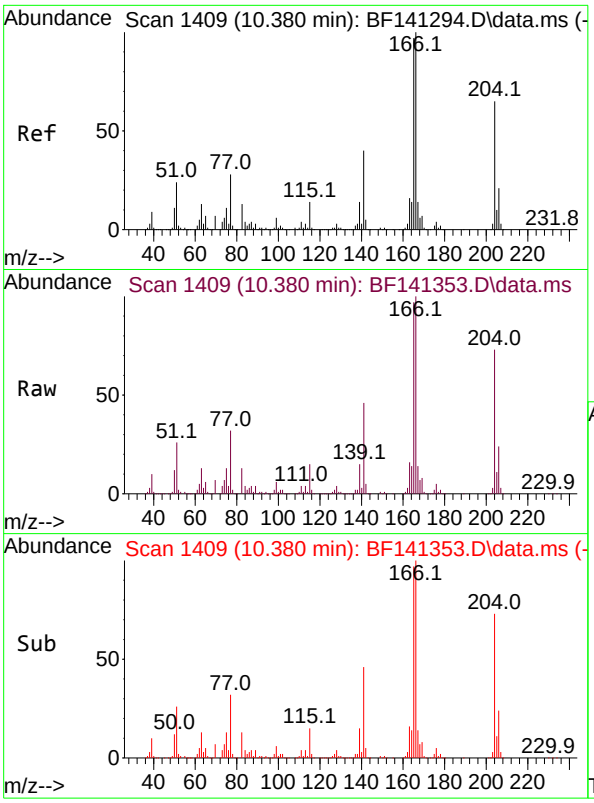


#60
Diethylphthalate
Concen: 42.784 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:149 Resp: 853771

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.5	27.7
150	12.3	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 39.666 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

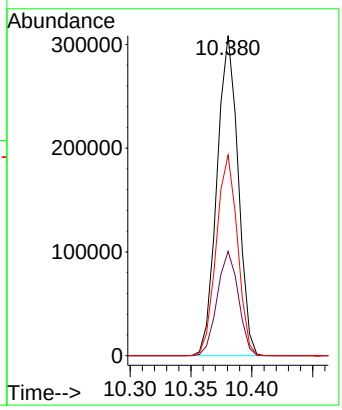
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

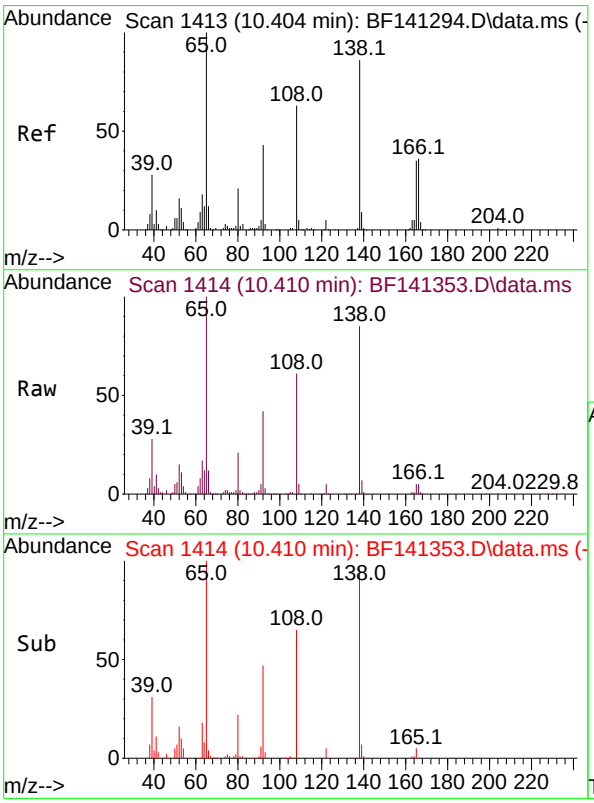
Tgt Ion:204 Resp: 37265

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	62.7	49.5	74.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

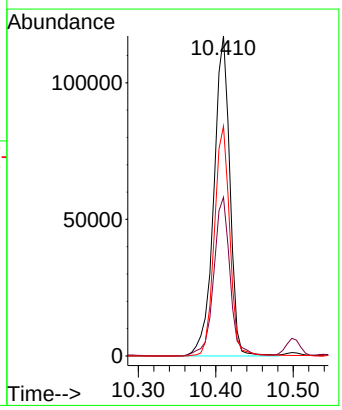


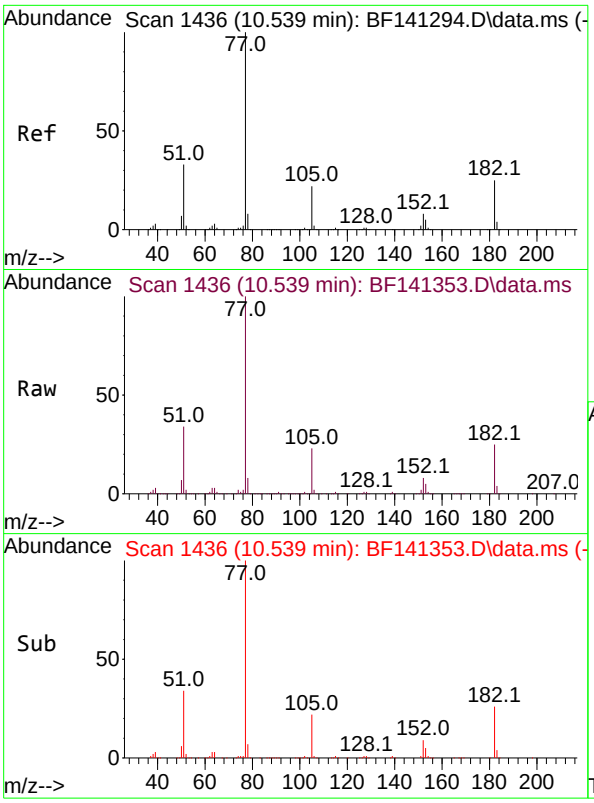


#62
4-Nitroaniline
Concen: 36.838 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:138 Resp: 169626

Ion	Ratio	Lower	Upper
138	100		
92	49.6	30.1	70.1
108	71.8	53.1	93.1

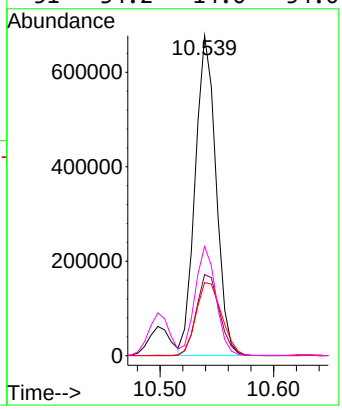




#63
Azobenzene
Concen: 43.142 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion: 77 Resp: 86176

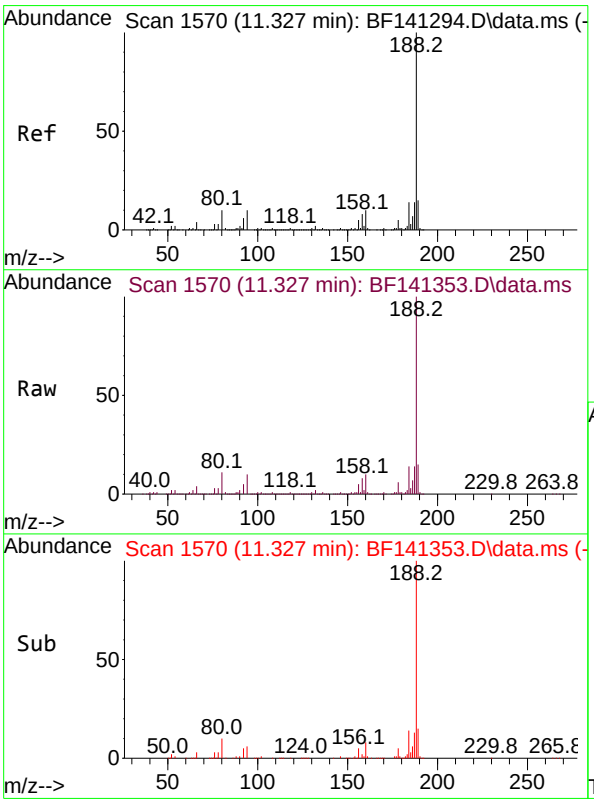
Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.1	45.1
105	22.9	1.8	41.8
51	34.2	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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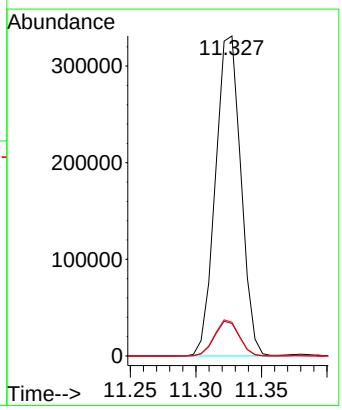
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

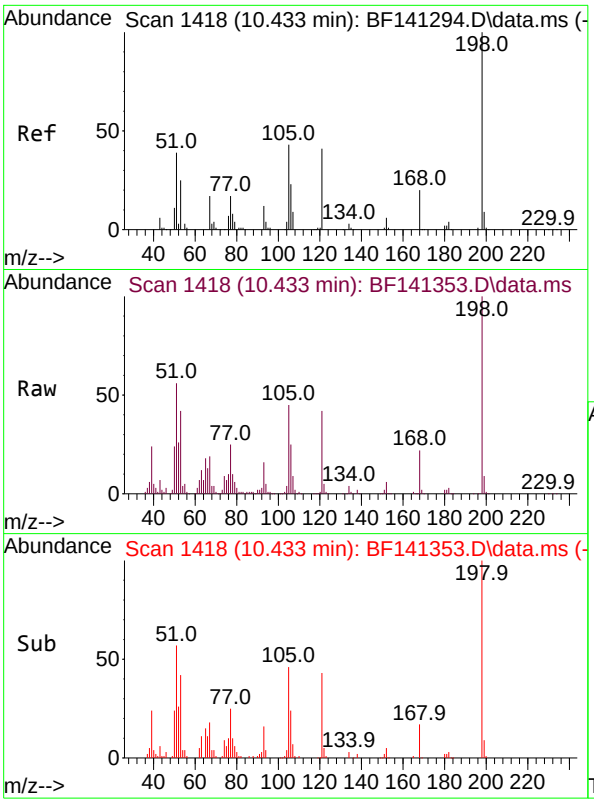


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:188 Resp: 446574

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	10.6	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 52.606 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

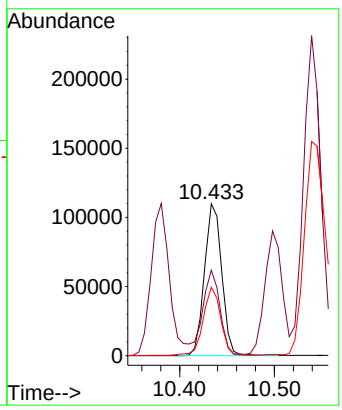
Tgt Ion:198 Resp: 13895

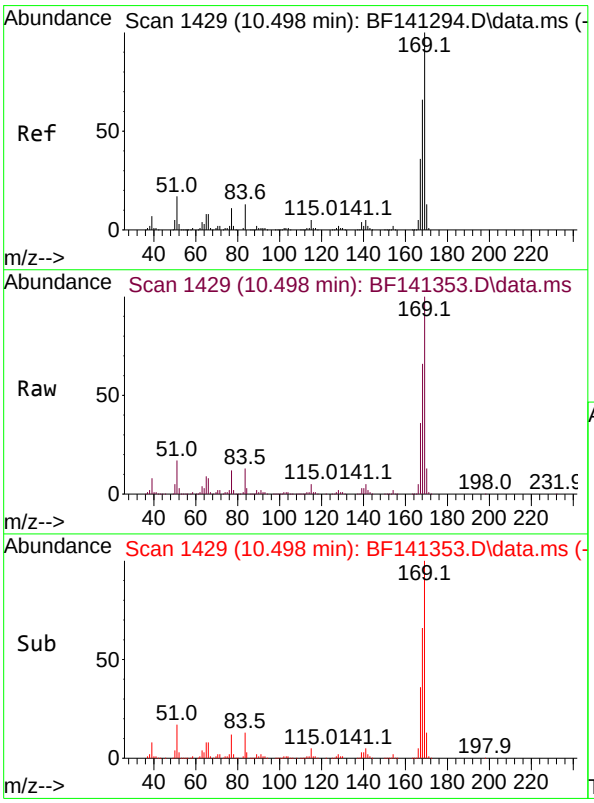
Ion	Ratio	Lower	Upper
198	100		
51	56.3	33.4	73.4
105	45.1	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

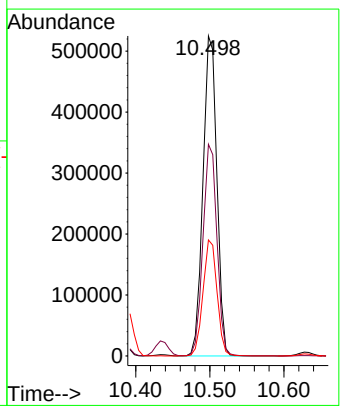


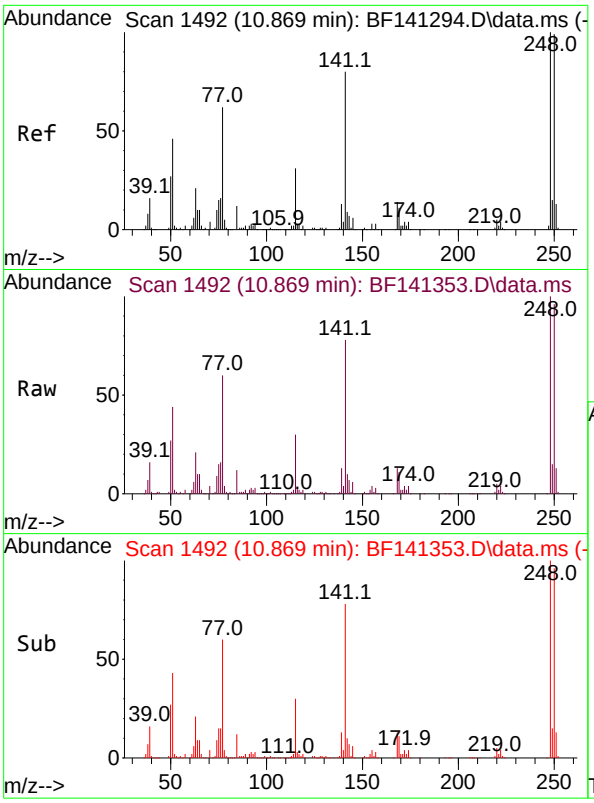


#66
n-Nitrosodiphenylamine
Concen: 47.270 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:169 Resp: 682753

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 46.363 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

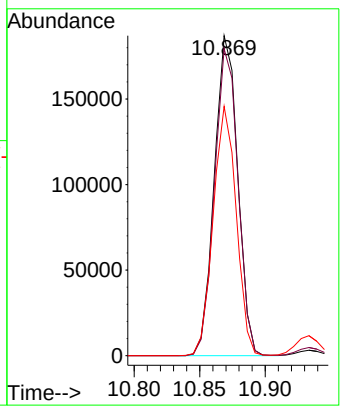
Tgt Ion:248 Resp: 23179

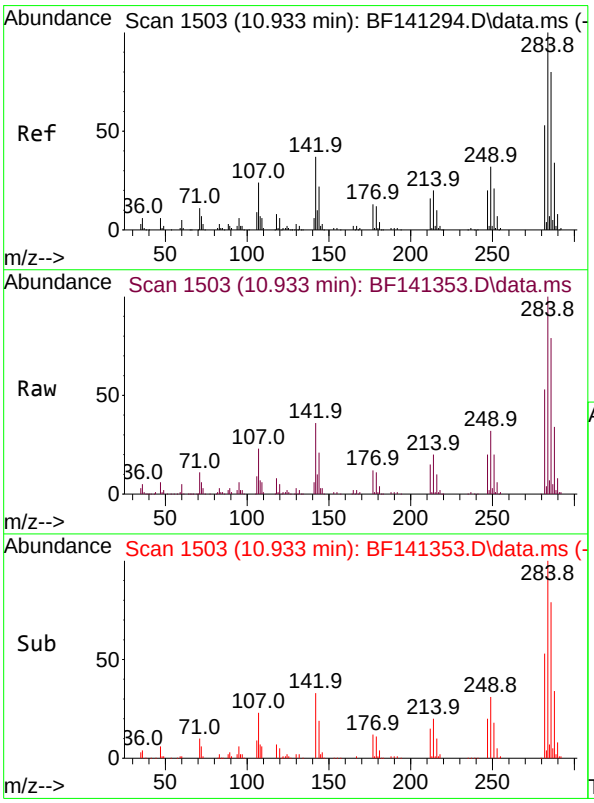
Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.0	118.4
141	77.9	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

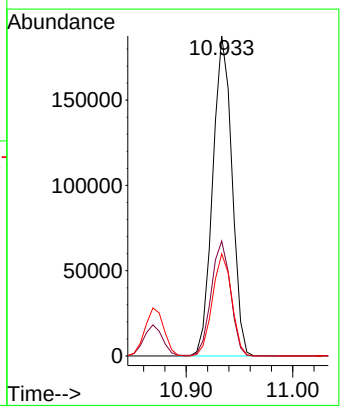


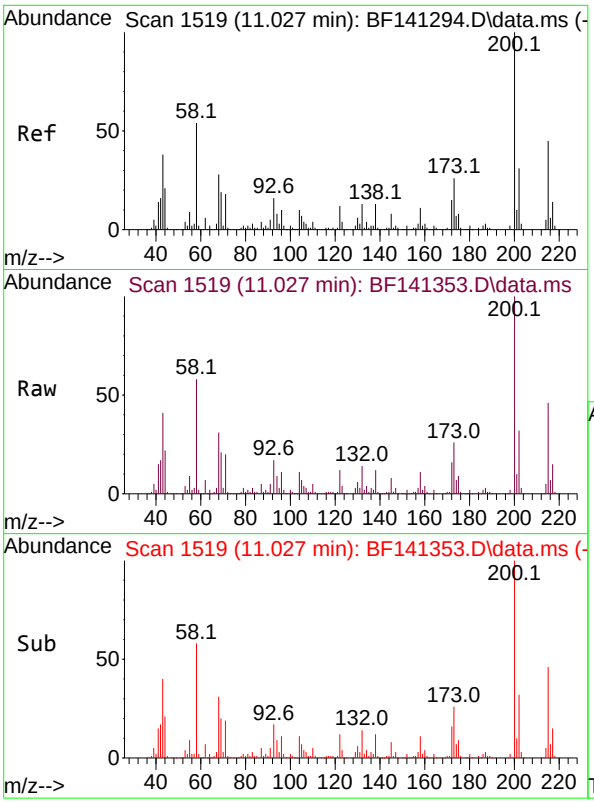


#68
Hexachlorobenzene
Concen: 44.277 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:284 Resp: 234812

Ion	Ratio	Lower	Upper
284	100		
142	35.9	29.5	44.3
249	31.9	25.4	38.2





#69
Atrazine
Concen: 44.986 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

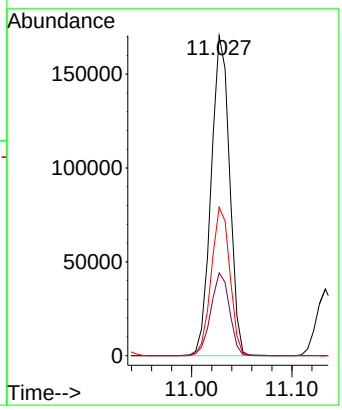
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

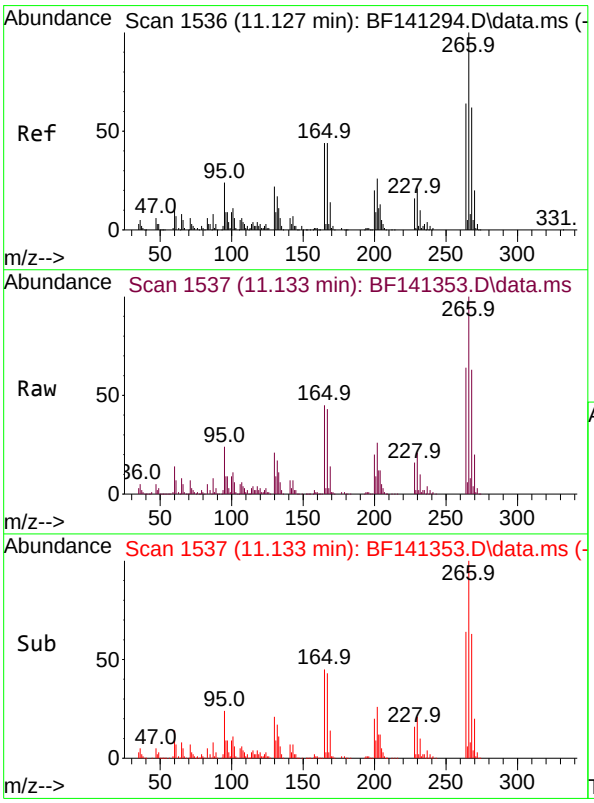
Tgt Ion:200 Resp: 21725

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	46.4	25.2	65.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

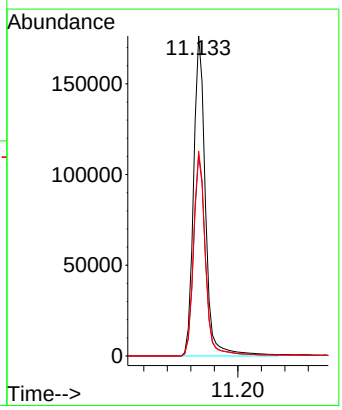


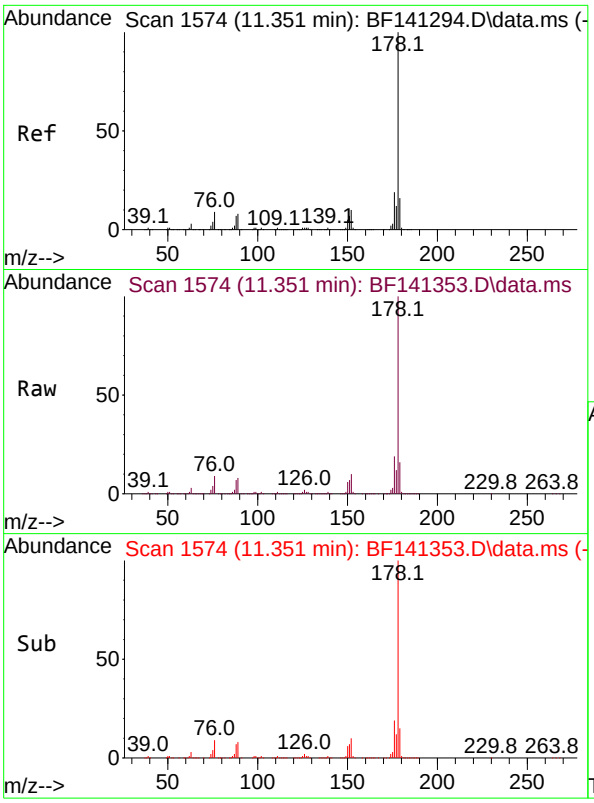


#70
Pentachlorophenol
Concen: 79.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:266 Resp: 247008

Ion	Ratio	Lower	Upper
266	100		
268	62.7	49.9	74.9
264	64.0	51.0	76.4

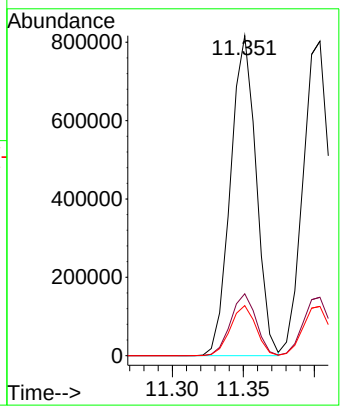




#71
Phenanthrene
Concen: 42.680 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:178 Resp: 102454

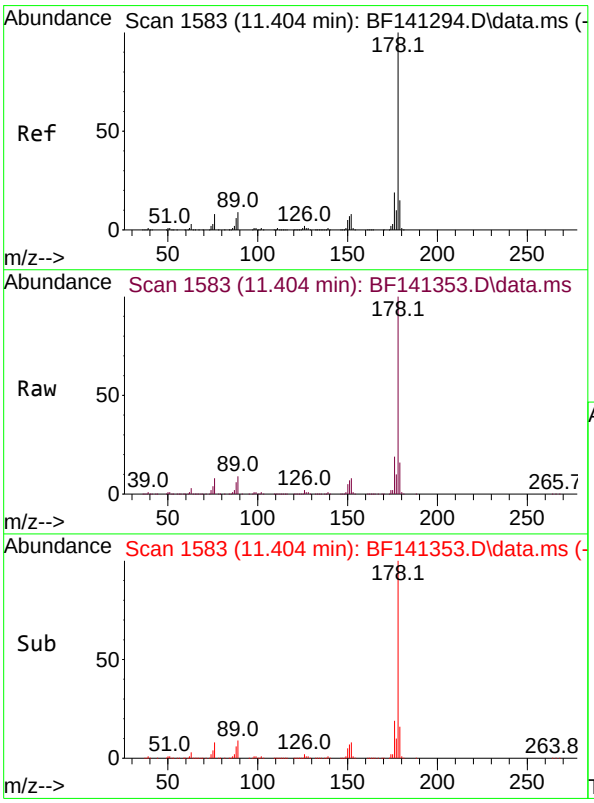
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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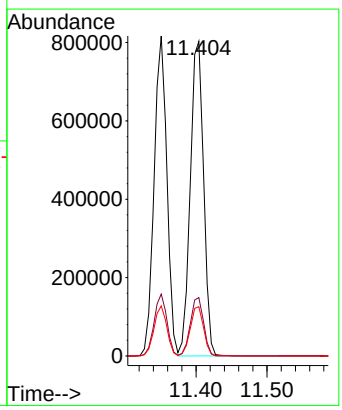
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

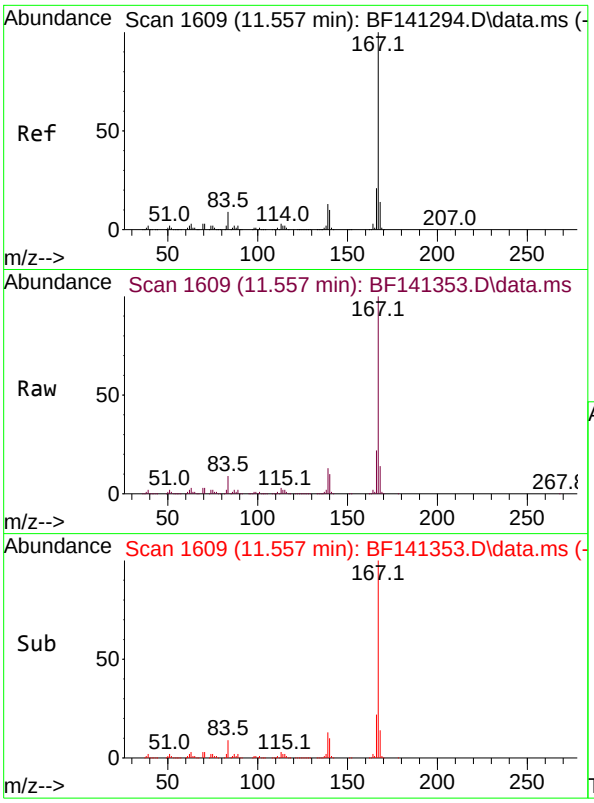


#72
Anthracene
Concen: 44.505 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:178 Resp: 1046790

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.7	12.3	18.5





#73
Carbazole
Concen: 39.496 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

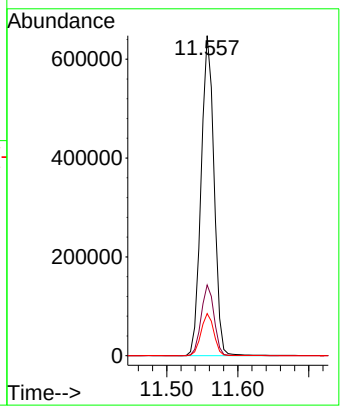
Tgt Ion:167 Resp: 82375

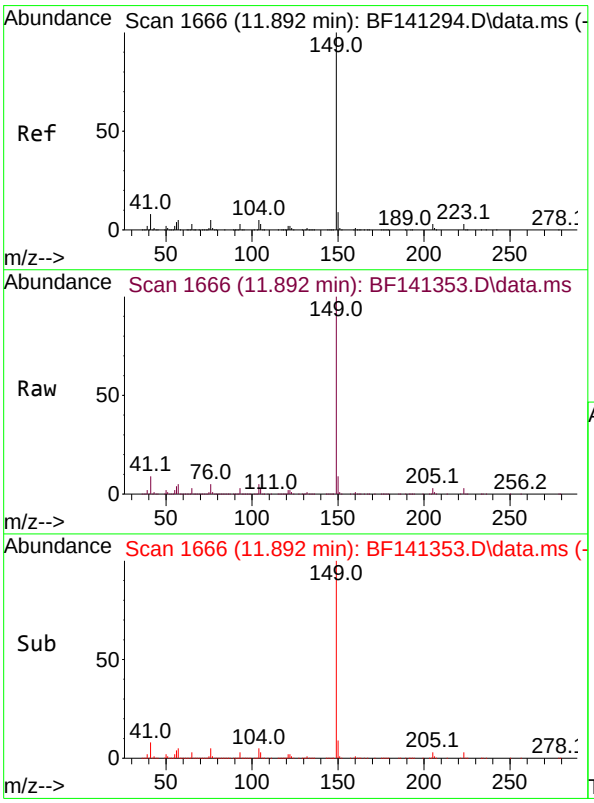
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	13.2	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

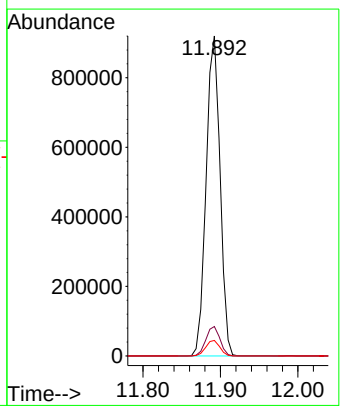


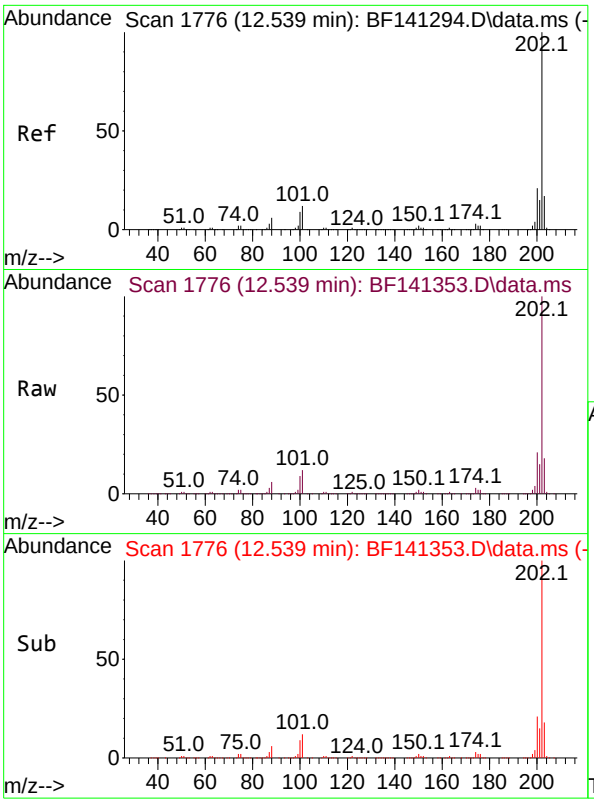


#74
Di-n-butylphthalate
Concen: 45.394 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:149 Resp: 1147366

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 38.002 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

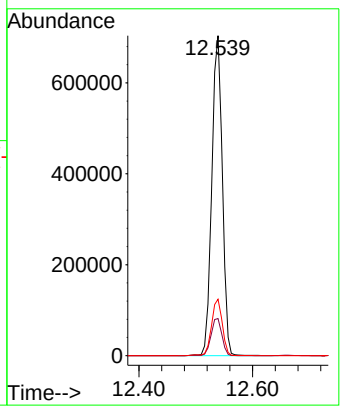
Tgt Ion:202 Resp: 90074

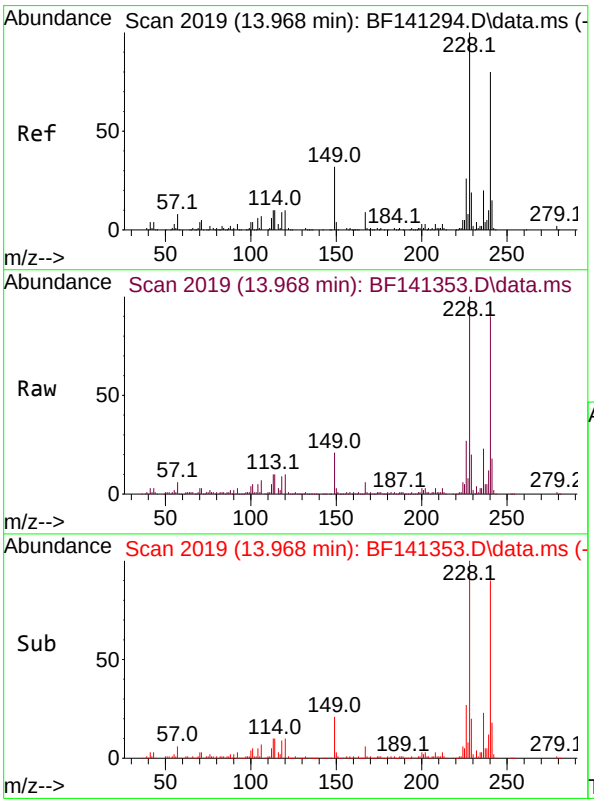
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.7	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

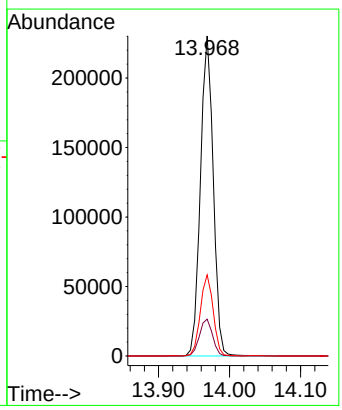


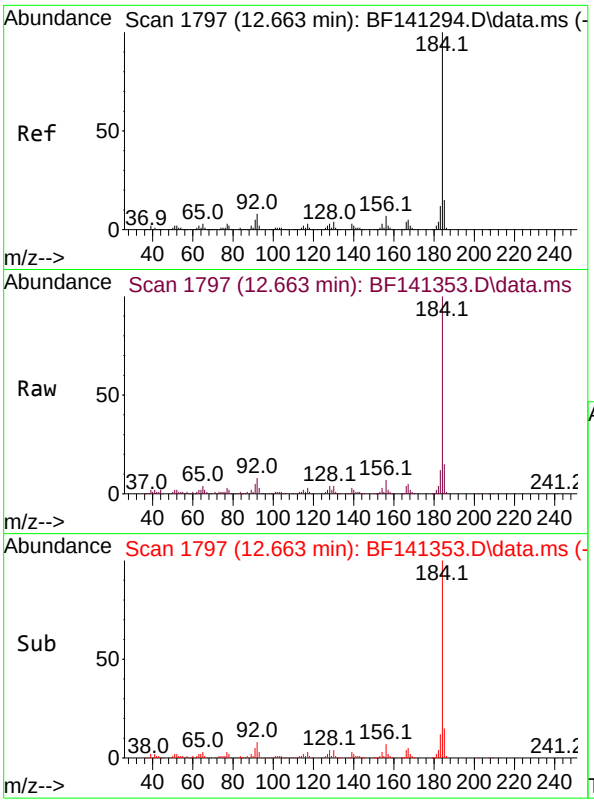


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:240 Resp: 289652

Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.0	15.0
236	25.3	19.7	29.5

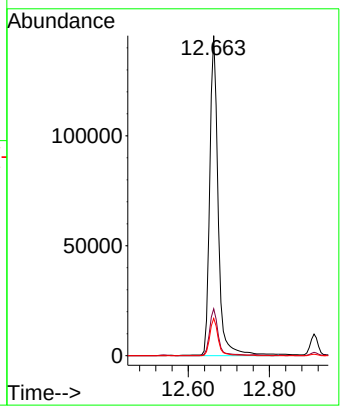




#77
Benzidine
Concen: 22.638 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:184 Resp: 21021

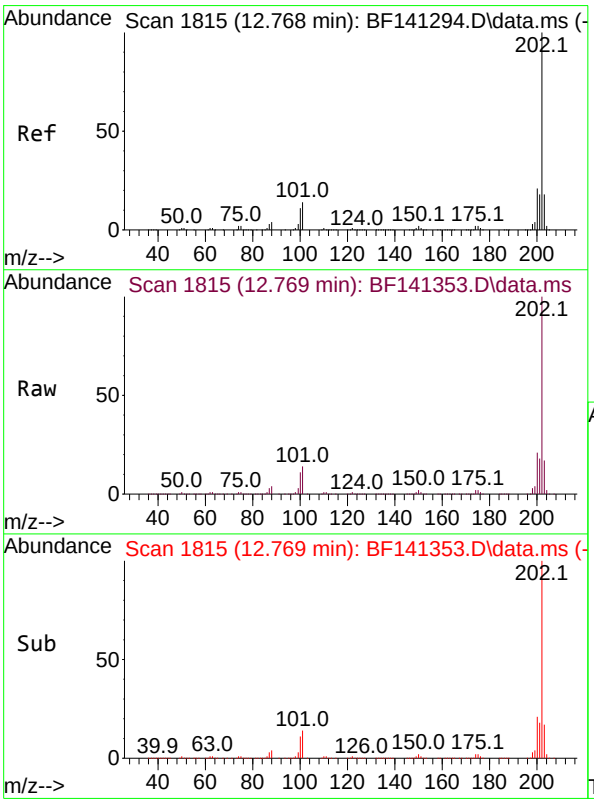
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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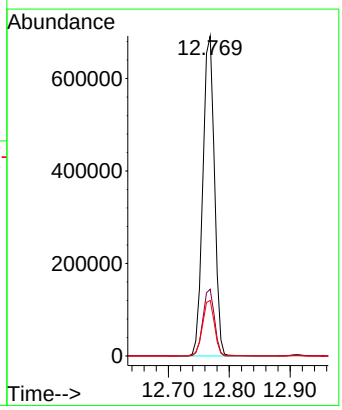
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

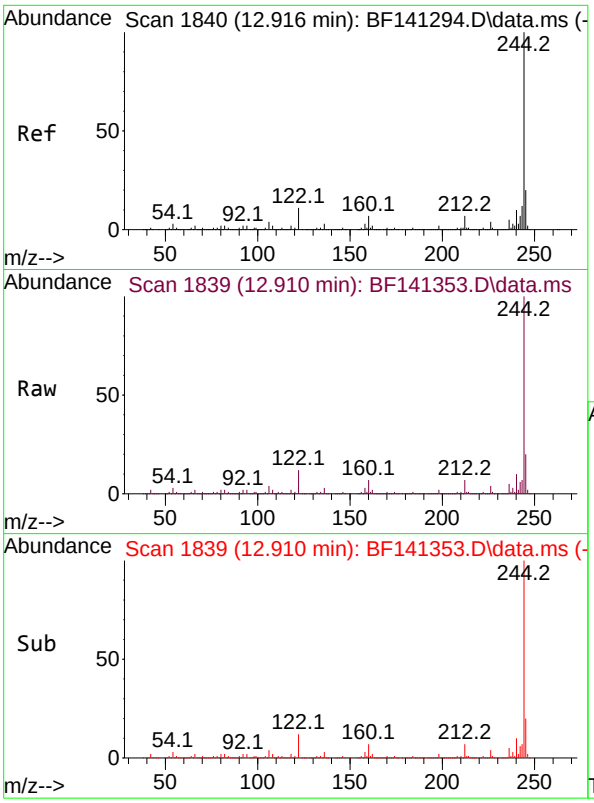


#78
Pyrene
Concen: 32.979 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:202 Resp: 916947

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	14.3	21.5

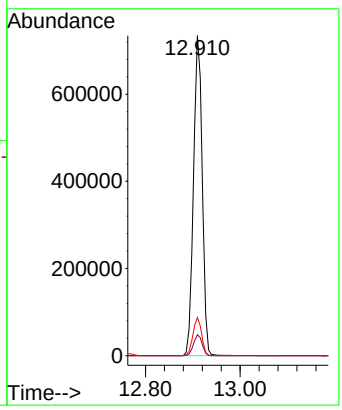




#79
Terphenyl-d14
Concen: 49.903 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:244 Resp: 93727

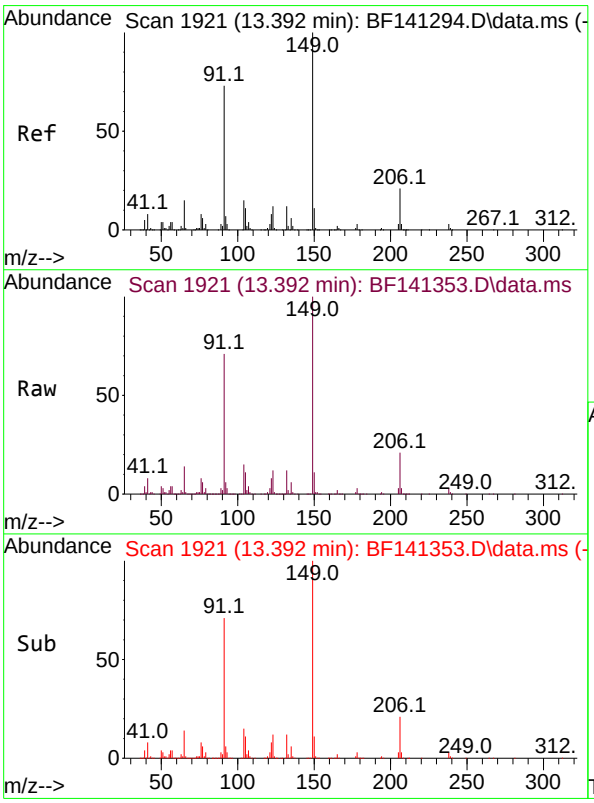
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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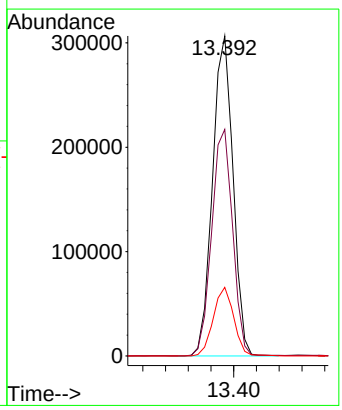
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

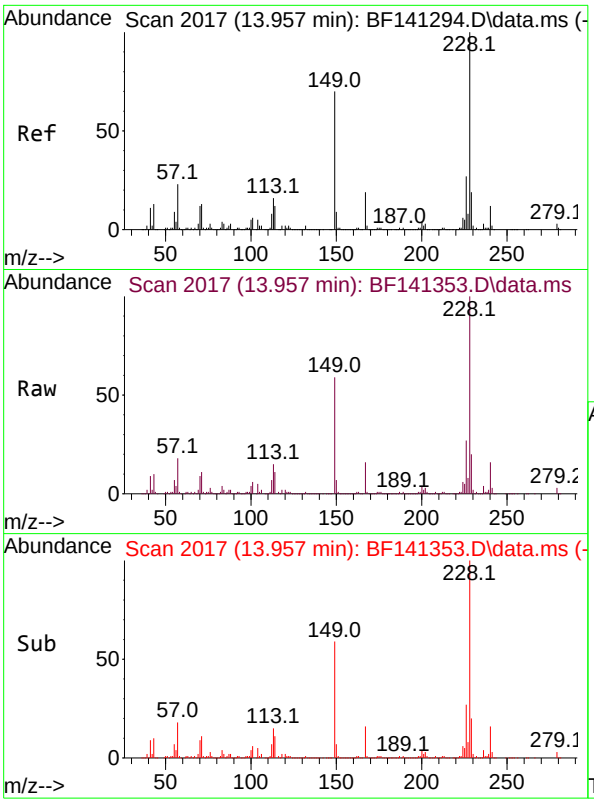


#80
Butylbenzylphthalate
Concen: 39.554 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:149 Resp: 384203

Ion	Ratio	Lower	Upper
149	100		
91	70.8	58.6	87.8
206	21.4	16.7	25.1





#81
Benzo(a)anthracene
Concen: 39.660 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

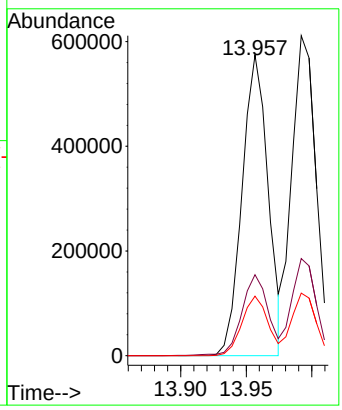
Tgt Ion:228 Resp: 79271

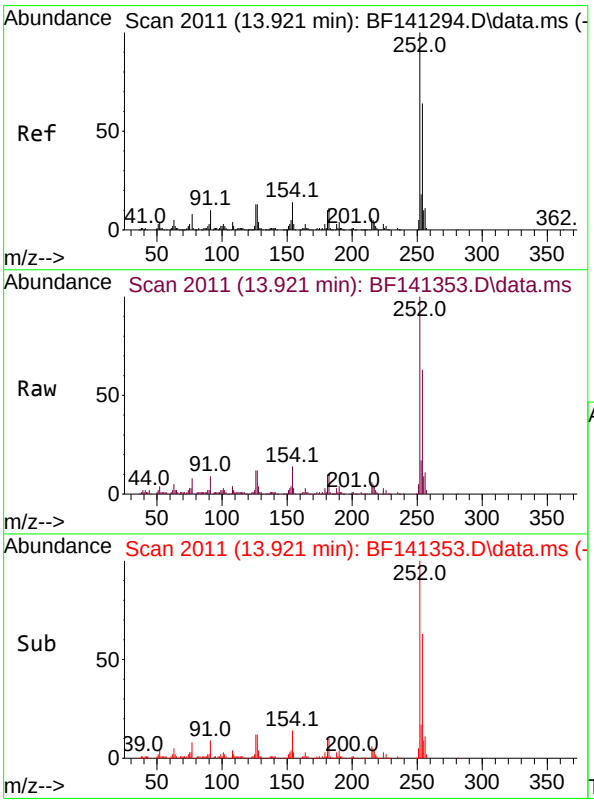
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	19.8	15.5	23.3

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

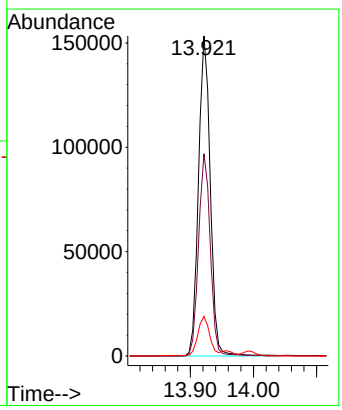


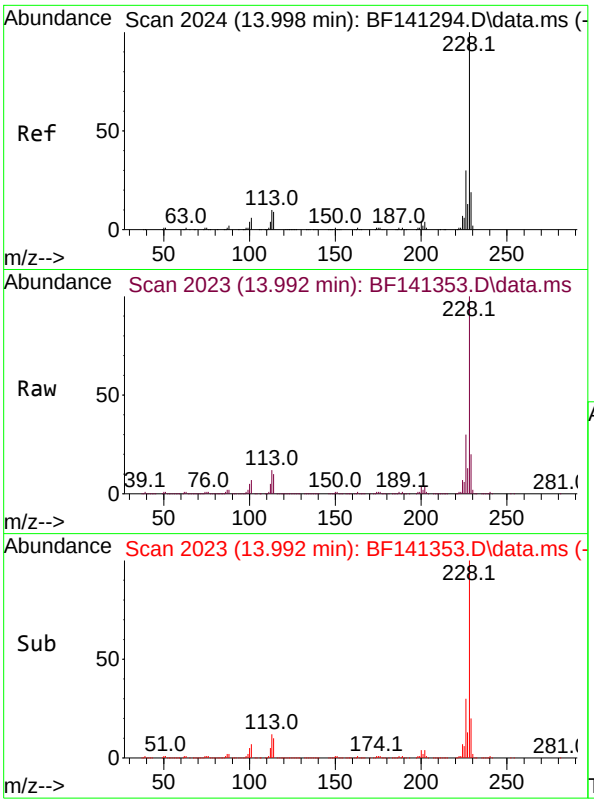


#82
3,3'-Dichlorobenzidine
Concen: 31.187 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:252 Resp: 198260

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.3	76.9
126	12.3	10.0	15.0





#83
Chrysene
Concen: 42.919 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

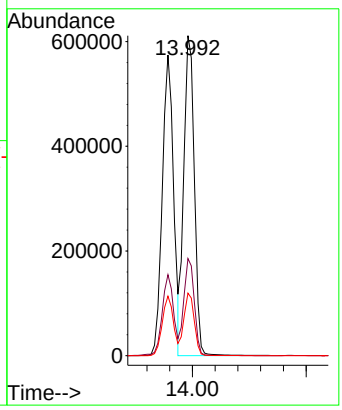
Tgt Ion:228 Resp: 78618

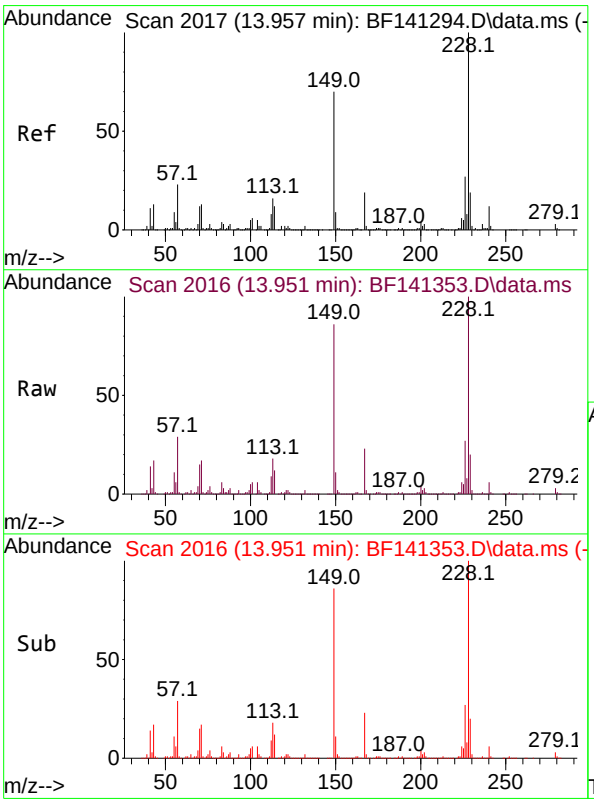
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.5	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
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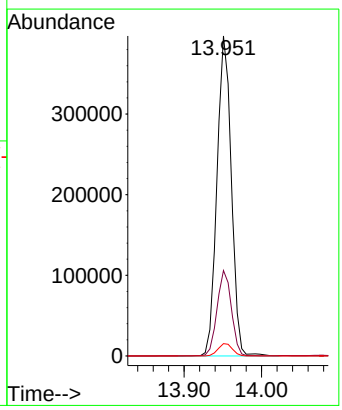


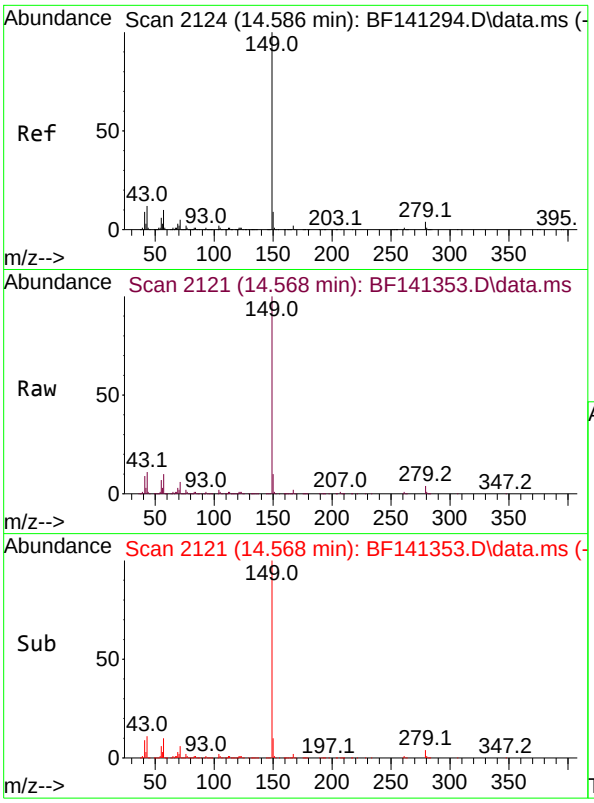


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.407 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:149 Resp: 510215

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.8	32.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 48.195 ng
RT: 14.568 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

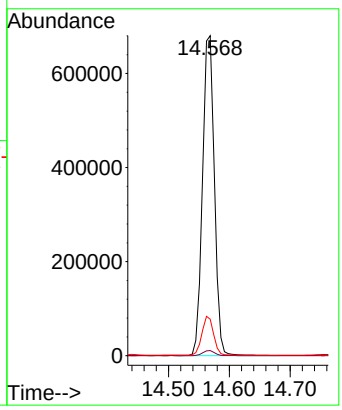
Tgt Ion:149 Resp: 92236

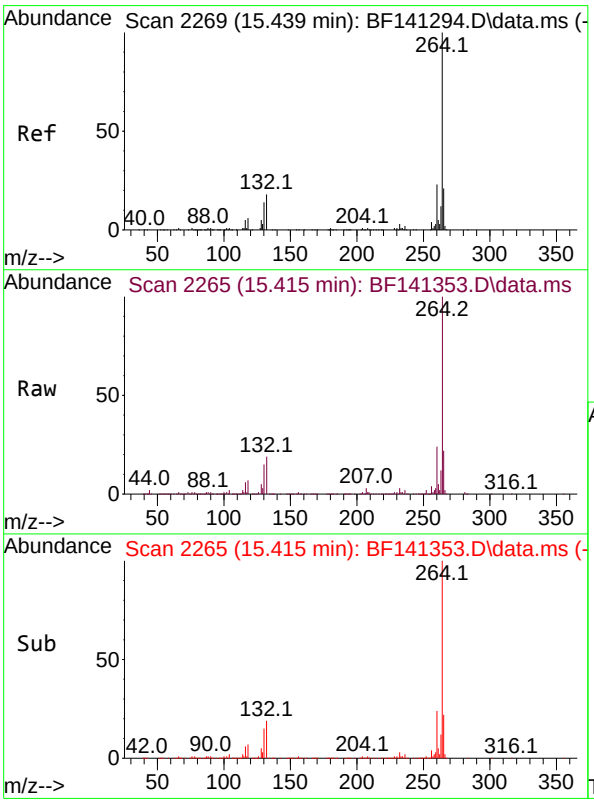
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.8	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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Reviewed By :Jagrut Upadhyay 02/03/2025
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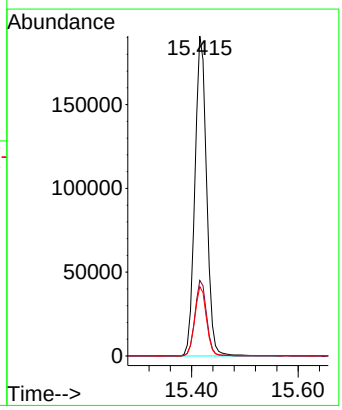


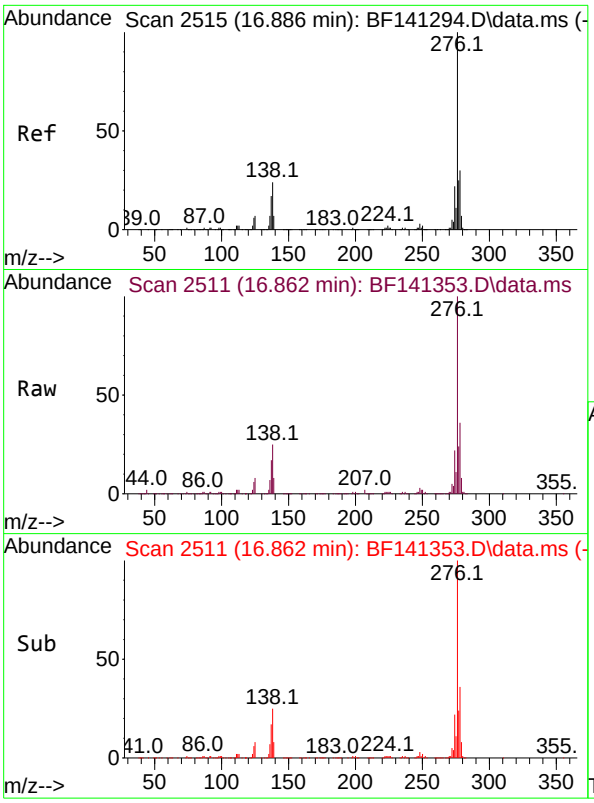


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:264 Resp: 291978

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.7	16.7	25.1

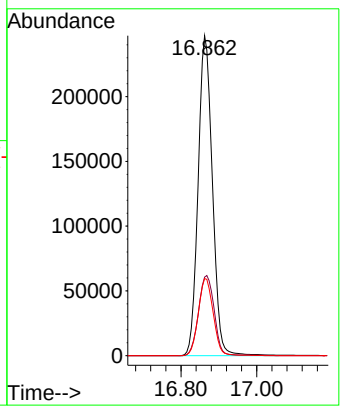




#87
Indeno(1,2,3-cd)pyrene
Concen: 34.356 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:276 Resp: 64744

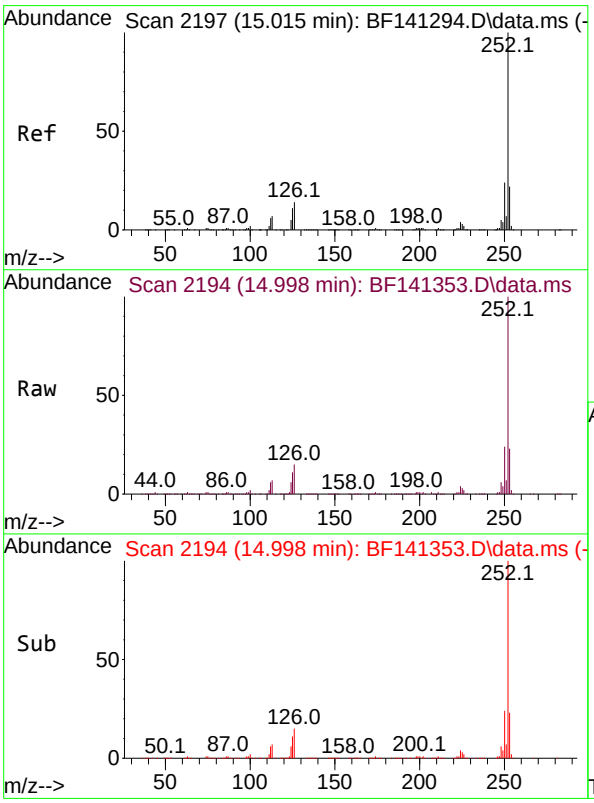
Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.7	32.5
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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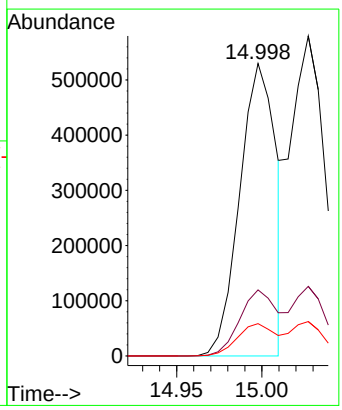
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

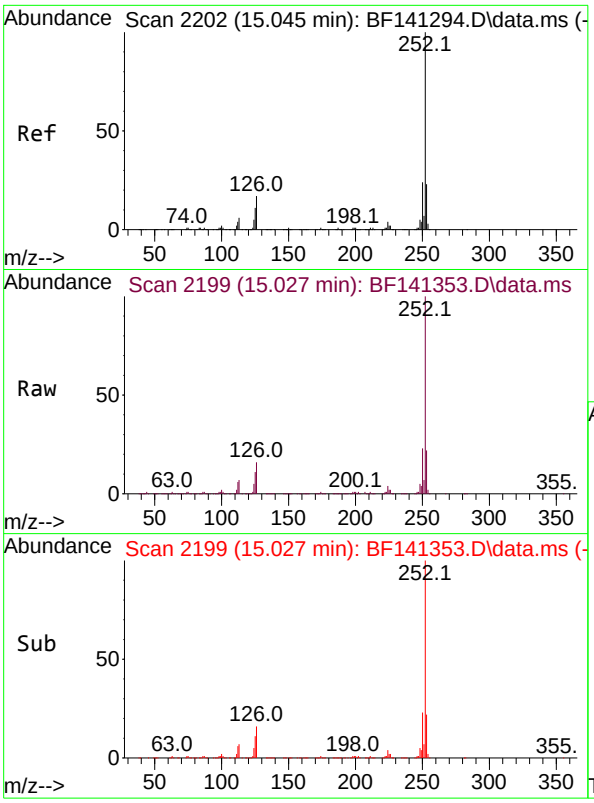


#88
Benzo(b)fluoranthene
Concen: 42.618 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:252 Resp: 782728

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	11.1	8.6	12.8

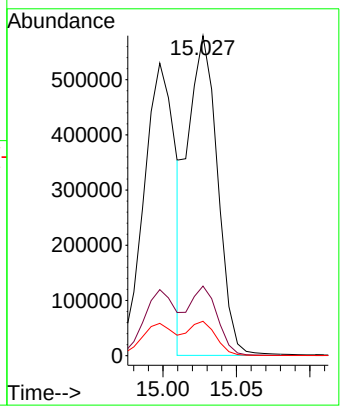




#89
Benzo(k)fluoranthene
Concen: 49.835 ng m
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:252 Resp: 81082

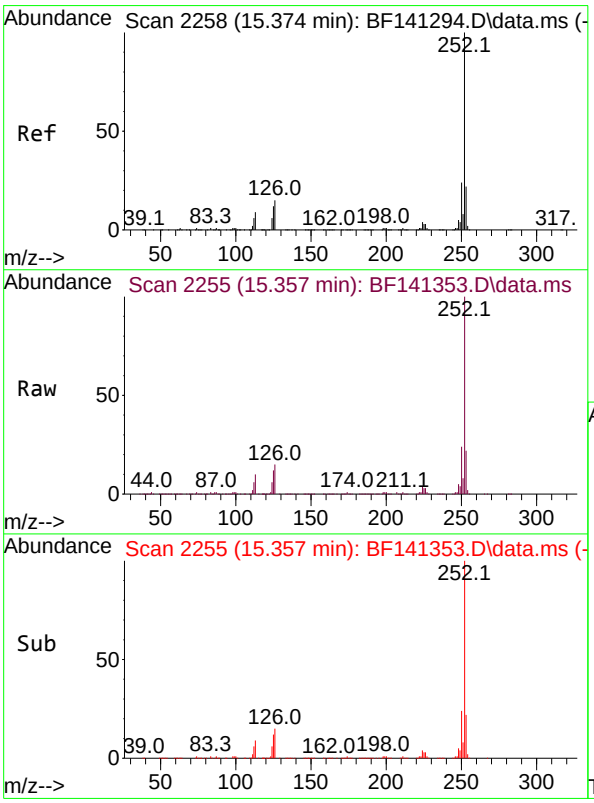
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

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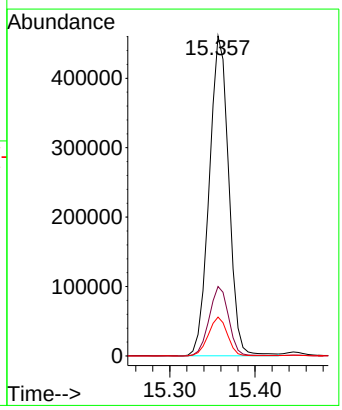
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

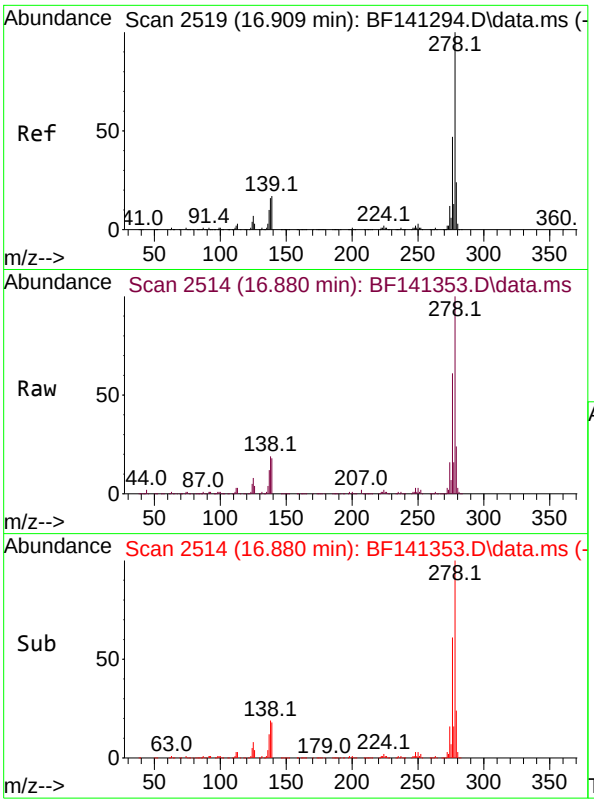


#90
Benzo(a)pyrene
Concen: 47.170 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:252 Resp: 732096

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	12.1	9.4	14.2





#91
Dibenzo(a,h)anthracene
Concen: 34.578 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

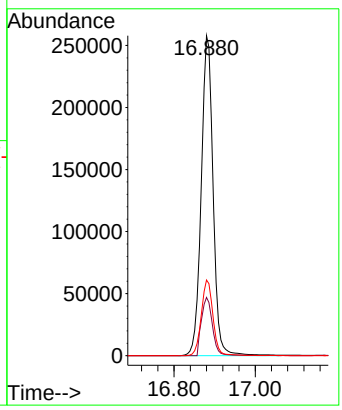
Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

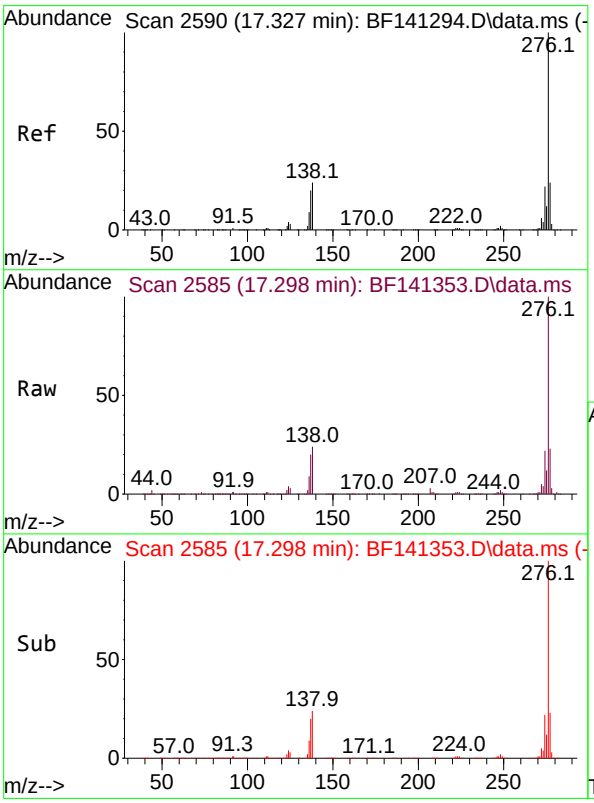
Tgt Ion:278 Resp: 52424

Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.9	20.9
279	23.6	18.8	28.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

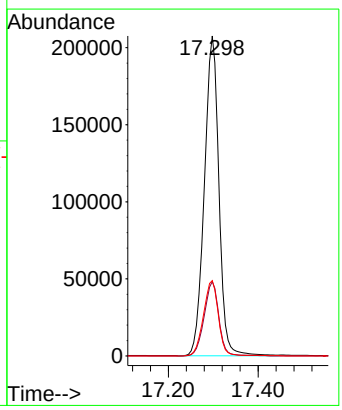




#92
Benzo(g,h,i)perylene
Concen: 29.613 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141353.D
Acq: 01 Feb 2025 00:57

Tgt Ion:276 Resp: 466835

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	23.6	19.0	28.4



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Manual Integration Report

Sequence:	BF012925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf013025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141317.D	2,4-Dimethylphenol	yogesh	1/31/2025 6:32:18 AM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF013125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	Caprolactam	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	Benzo(k)fluoranthene	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1194-03	BF141424.D	Benzo(b)fluoranthene	yogesh	2/5/2025 9:09:26 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,3,4,6-Tetrachlorophenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Acenaphthene	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Caprolactam	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Acenaphthene	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Caprolactam	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Acenaphthene	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Caprolactam	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM				
SubDirectory	BF012925	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM				
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM				
SubDirectory	BF013025	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141300.D	30 Jan 2025 08:28	RC/JU	Ok
2	SSTDCCC040	BF141301.D	30 Jan 2025 08:54	RC/JU	Ok
3	PB166216BL	BF141302.D	30 Jan 2025 09:20	RC/JU	Ok
4	PB166335BS	BF141303.D	30 Jan 2025 09:57	RC/JU	Ok,M
5	Q1168-02	BF141304.D	30 Jan 2025 10:23	RC/JU	Ok,M
6	Q1168-08	BF141305.D	30 Jan 2025 10:53	RC/JU	Ok,M
7	Q1168-02	BF141306.D	30 Jan 2025 11:55	RC/JU	Ok,M
8	Q1168-08	BF141307.D	30 Jan 2025 12:21	RC/JU	Ok,M
9	Q1168-01	BF141308.D	30 Jan 2025 12:47	RC/JU	Ok,M
10	Q1168-07	BF141309.D	30 Jan 2025 13:13	RC/JU	Ok,M
11	Q1168-01	BF141310.D	30 Jan 2025 13:39	RC/JU	Ok,M
12	Q1168-07	BF141311.D	30 Jan 2025 14:05	RC/JU	Ok,M
13	PB166339BL	BF141312.D	30 Jan 2025 14:32	RC/JU	Ok
14	Q1209-01	BF141313.D	30 Jan 2025 15:11	RC/JU	Ok,M
15	Q1209-05	BF141314.D	30 Jan 2025 15:37	RC/JU	Ok
16	Q1209-05MS	BF141315.D	30 Jan 2025 16:03	RC/JU	Ok,M
17	Q1209-05MSD	BF141316.D	30 Jan 2025 16:30	RC/JU	Ok,M
18	SSTDCCC040	BF141317.D	30 Jan 2025 17:04	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM				
SubDirectory	BF013125	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM				
SubDirectory	BF013125	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM				
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM				
SubDirectory	BF020425	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141300.D	30 Jan 2025 08:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141301.D	30 Jan 2025 08:54		RC/JU	Ok
3	PB166216BL	PB166216BL	BF141302.D	30 Jan 2025 09:20		RC/JU	Ok
4	PB166335BS	PB166335BS	BF141303.D	30 Jan 2025 09:57		RC/JU	Ok,M
5	Q1168-02	LOQ-SOIL-02-QT1-202	BF141304.D	30 Jan 2025 10:23	LOQ-SOIL-5 PPM	RC/JU	Ok,M
6	Q1168-08	LOQ-WATER-02-QT1-2	BF141305.D	30 Jan 2025 10:53	LOQ-WATER-5 PPM	RC/JU	Ok,M
7	Q1168-02	LOQ-SOIL-02-QT1-202	BF141306.D	30 Jan 2025 11:55	LOQ-SOIL-10 PPM	RC/JU	Ok,M
8	Q1168-08	LOQ-WATER-02-QT1-2	BF141307.D	30 Jan 2025 12:21	LOQ-WATER-10 PPM	RC/JU	Ok,M
9	Q1168-01	LOD-MDL-SOIL-01-QT	BF141308.D	30 Jan 2025 12:47	LOD-MDL-SOIL-4PPM	RC/JU	Ok,M
10	Q1168-07	LOD-MDL-WATER-01-(	BF141309.D	30 Jan 2025 13:13	LOD-MDL-WATER-4PPM	RC/JU	Ok,M
11	Q1168-01	LOD-MDL-SOIL-01-QT	BF141310.D	30 Jan 2025 13:39	LOD-MDL-SOIL-8PPM	RC/JU	Ok,M
12	Q1168-07	LOD-MDL-WATER-01-(	BF141311.D	30 Jan 2025 14:05	LOD-MDL-WATER-8PPM	RC/JU	Ok,M
13	PB166339BL	PB166339BL	BF141312.D	30 Jan 2025 14:32		RC/JU	Ok
14	Q1209-01	WC-4	BF141313.D	30 Jan 2025 15:11		RC/JU	Ok,M
15	Q1209-05	WC-5	BF141314.D	30 Jan 2025 15:37		RC/JU	Ok
16	Q1209-05MS	WC-5MS	BF141315.D	30 Jan 2025 16:03		RC/JU	Ok,M
17	Q1209-05MSD	WC-5MSD	BF141316.D	30 Jan 2025 16:30		RC/JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF141317.D	30 Jan 2025 17:04		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925		

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS/	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-51.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 01/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134424

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
Q1194-01	B-110-SB01	1	1.15	8.82	9.97	8.94	88.3	
Q1194-02	B-110-SB02	2	1.19	8.59	9.78	6.09	57.0	
Q1194-03	B-113-SB01	3	1.17	8.41	9.58	8.48	86.9	
Q1194-04	B-113-SB02	4	1.15	8.84	9.99	6.87	64.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB 134424

WorkList Name : %1-012725 **WorkList ID :** 187156 **Department :** Wet-Chemistry **Date :** 01-27-2025 07:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO
Q1194-02	B-110-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO
Q1194-03	B-113-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO
Q1194-04	B-113-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	N41	01/25/2025	Chemtech -SO

Date/Time 01/27/25 15:00
Raw Sample Received by: TB WDC
Raw Sample Relinquished by: CFSM

Date/Time 01/27/25 17:00
Raw Sample Received by: CFSM
Raw Sample Relinquished by: TB WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166294

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/28/2025
Matrix :	Solid			**Extraction Start Time :**	09:56
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/28/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:55
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	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
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	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3871
Sand	N/A	E2865
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:

1.5 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
01/28/25	RP (Ext Labs)	Rdsvoc
13:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166294

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 01/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166294BL	SBLK294	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB166294BS	SLCS294	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1194-01	B-110-SB01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q1194-02	B-110-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q1194-03	B-113-SB01	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		5
Q1194-04	B-113-SB02	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q1194-04MS	B-113-SB02MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U4-1
Q1194-04MSD	B-113-SB02MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2

* **Extracts relinguished on the same date as received.**

1/29/25

166294
9:56

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194S **WorkList ID :** 187201 **Department :** Extraction **Date :** 01-28-2025 08:32:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-02	B-110-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-03	B-113-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-04	B-113-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

Date/Time 01/28/25 9:50
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD(SM)

Date/Time 01/28/25 10:15
Raw Sample Received by: JD(SM)
Raw Sample Relinquished by: RJ (Ext Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166339

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/29/2025
Matrix :	Water			**Extraction Start Time :**	08:40
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	01/29/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**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	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
LOD	1.0ML	N/A	SP6706
LOD	1.0ML	N/A	SP6708
LOQ	1.0ML	N/A	SP6707/6709

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2580
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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:

1.5 ML Vial lot# 2210673. p H Adjusted<2 with 1:1 H2SO4 &>11 with 10N NaOH. Q1194-08 Limited volume recd.

KD Bath ID:	Water bath -01,02	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25	RP (Ext Tech)	AC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166339

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 01/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166339BL	SBLK339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-01
PB166339BS	SLCS339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			2
PB166339BSD	SLCSD339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			3
Q1168-07	LOD-MDL-WATER-01-QT1-2025 APPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			4
Q1168-08	LOQ-WATER-02-QT1-2025	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			5
Q1194-08	EB	SVOC-TCL BNA -20	500	6	RUPESH	rajesh	0.5	D		6

* **Extracts relinquished on the same date as received.**

1/29/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1168E **WorkList ID :** 187244 **Department :** Extraction **Date :** 01-29-2025 08:28:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-03	MDL-SOIL-03-QT1-2025	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	01/23/2025	NJEPH
Q1168-07	LOD-MDL-WATER-01-QT1-202	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-08	LOQ-WATER-02-QT1-2025	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-09	MDL-WATER-03-QT1-2025	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	01/23/2025	NJEPH

Date/Time 01/29/25 8:40

Raw Sample Received by: RJ CSA Lab

Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 9:05

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RJ CSA Lab

0833 9
1/31

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q1194sv **WorkList ID :** 187251 **Department :** Extraction **Date :** 01-29-2025 08:40:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-08	EB	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

Date/Time 01/29/25 8:40

Raw Sample Received by: RS (Eol 1/29)

Raw Sample Relinquished by: AP Sm

Date/Time 01/29/25 8:55

Raw Sample Received by: AP Sm

Raw Sample Relinquished by: RS (EOL 1/29)



SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. Q1194
COC Number 2041522

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannet Fleming
ADDRESS: 1010 Abrams Ave
CITY Audubon STATE: PA ZIP: 19403
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of SB
PROJECT NO.: 50000878 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@bemsys.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasley 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 VOCs + 10
2 TCL PAH
3 TAL Metals
4 EDH
5 Cr(III)
6 Cr(VI)
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-110-SB01	S		X	1/25/25	11:33	7		X	X	X	X	X	Y				
2.	B-110-SB02	S		X	1/25/25	13:58	7		X	X	X	X	X	Y				
3.	B-113-SB01	S		X	1/25/25	11:52	7		X	X	X	X	X	Y				
4.	B-113-SB02	S		X	1/25/25	14:44	7		X	X	X	X	X	Y				
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

PRESERVATIVES
COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Dylan C	1-25-25 16:22	1. 1-27-25 0700
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1-C °C
Comments:

Page ____ of ____
CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
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 : Q1194 PORT06
Client Name : Portal Partners Tri-Venture
Client-Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 1/27/2025 9:35:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 1/27/2025 7:00:00 AM
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
Q1194-01	B-110-SB01	Solid	01/25/2025	11:33					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-02	B-110-SB02	Solid	01/25/2025	13:58					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-03	B-113-SB01	Solid	01/25/2025	11:52					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-04	B-113-SB02	Solid	01/25/2025	14:44					
					VOC-TCLVOA-10		8260D		10 Bus. Days
~~Q1194-08~~	EB	~~Water~~	~~01/25/2025~~	~~00:00~~					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1194-09	FB	Water	01/25/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1194-10	TB	Water	01/25/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

1/27/25

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1194 PORT06	**Order Date :**	1/27/2025 9:35:00 AM	**Project Mgr :**	
Client Name :	Portal Partners Tri-Venture	**Project Name :**	Amtrak Sawtooth Bridges 2	**Report Type :**	NJ Reduced
Client Contact :	Joseph Krupansky	**Receive DateTime :**	1/27/2025 7:00:00 AM	**EDD Type :**	EXCEL NJCLEANUP
Invoice Name :	Portal Partners Tri-Venture	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Joseph Krupansky			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____

Date / Time : 1/27/25 1120

Received By : _____

Date / Time : 01/27/25 11:20

Storage Area : VOA Refridgerator Room

Rgt 6
R22
Rgt 5